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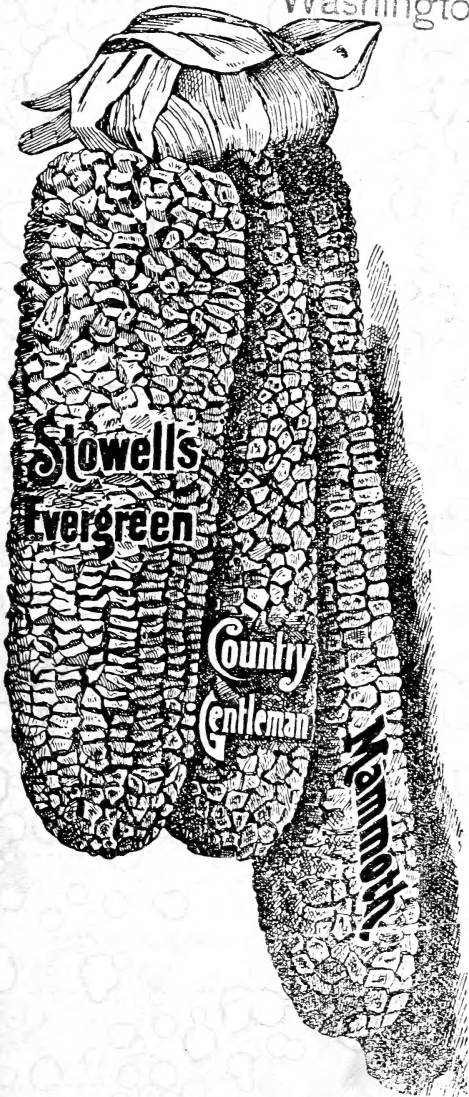
1882

Adams'

1907

# Annual Catalogue

Washington, D. C.



FIELD  
FLOWER  
AND  
GARDEN  
SEEDS

## T. LEE ADAMS

417 Walnut St.

Kansas City, Mo.

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## To Our Customers



Gentlemen:

In issuing this catalogue, I wish to thank my friends and patrons for their constant loyalty to me for the twenty-eight years that I have been in business at this stand, and assure you that your constant patronage convinces me that you appreciate high grade Seeds, and my effort in the future will be as in the past, to supply only seeds of the highest merit, as these only give satisfaction to the careful buyer.

In Garden Seeds I shall confine myself mostly to the D. Landreth Seed Co., as in the past, but shall buy from some growers of known high standing certain specialties that will be sought after, aiming to offer nothing but seeds of merit, but in addition to those catalogued I shall carry in stock most of the standard seeds, so if you do not find in the catalogue the seed wanted, ask for it and you will likely get it.

In Flower Seeds I shall import, buying from well known growers, and shall put them up under my own name, and you can rely on their being New Crop and of selected stocks.

My stock of Field Seeds will be selected with the greatest care and cleaned by the most modern machinery and my aim shall be to supply only those that are of choice quality and high germination.

### INSTRUCTIONS TO PURCHASERS.

At the prices named in this list postage, express or freight charges are at expense of purchaser.

**If By Mail, Postage Is Extra, As Follows:** On peas and beans, 16c per quart; corn, 15c per quart; small seeds, pounds, quarter pounds, ounces and packets, free of postage.

Kindly send me the names and addresses of your market gardener friends and I will mail them a copy of my Catalogue free.

All plants are shipped at risk of purchaser.

All prices quoted in this list are subject to market fluctuations or to goods unsold.

**Peas, Beans, Sugar Corn, Potatoes,** field seeds, onion sets, net—no discount.

**DISCOUNTS**—On large orders of vegetable seeds I offer the following rates of discount for cash:

**\$10.00 and under \$20.00..... 5 per cent.**  
**\$20.00 and over..... 10 per cent.**

Bags, barrels and boxes will be charged at cost.

### GUARANTEE.

I buy and sell THE BEST SEEDS THAT GROW. But it is impractical to guarantee seeds, as the best of seeds will fail under improper treatment. Some may be sown in too dry ground, or too wet, too deep or too shallow. Some hardy seeds stand cool weather and will grow when the soil is too cold for others and would cause them to decay. Insects may attack and destroy them. For these reasons I do not give any warranty in any respect.

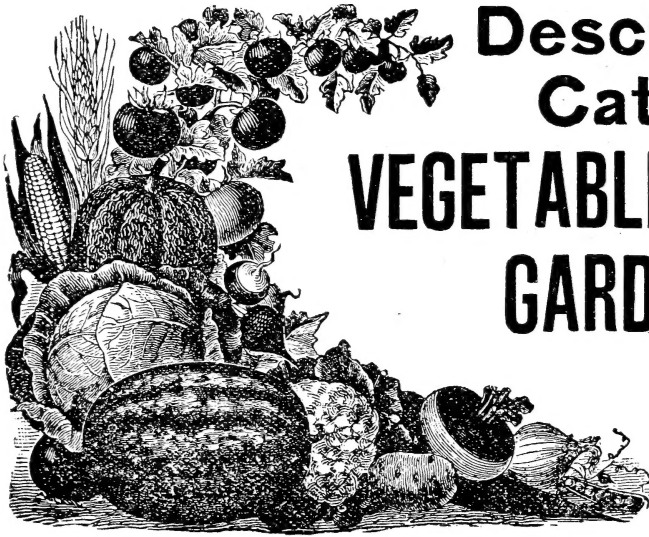
A pleased customer brings me two new ones.

I thank you for your liberal patronage and kind expressions and will always strive to merit your continued favors.

Wishing you a prosperous year, I remain

Yours very truly,

**T. LEE ADAMS.**



# Descriptive Catalogue of VEGETABLE and GARDEN SEEDS

## GARDEN SEEDS BY MAIL.

We will furnish Garden Seeds, at the prices on the following list, post paid, except heavy seeds, such as Beans, Peas, Corn and Onion Sets and Field seeds. For these it will be necessary to add to the remittance 15c. per quart and 8c. per pound to cover postage. Half pounds sold at pound rate.

## DISCOUNTS.

Purchasers of seeds in Packets and Ounces sending \$1.00 or over may order seeds to the value of \$1.25 for each dollar sent.

German, Spargel.

## *ASPARAGUS*

French, Asperge.

ONE OUNCE FOR SIXTY FEET OF DRILL.

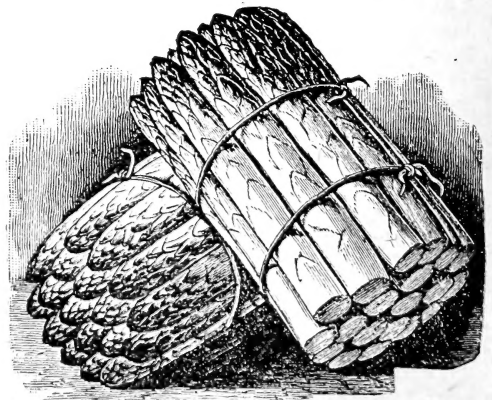
1 LB. PER ACRE.

**COLUMBIAN MAMMOTH WHITE**—A new variety with white shoots, stays white without earthing up or blanching. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

**THE PALMETTO**—A new production; is not only very early, but is also a good yielder, and is even and regular in its growth. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 50c.

**CONOVER'S COLOSSAL**—Has long been a standard variety. The shoots are of large size, very productive and of good quality. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c.

**BARR'S MAMMOTH**—The stalks are very large, frequently an inch in diameter, and have close round heads. They are quick growing, tender and succulent, entirely free from woody fibre. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c.



Conover's Colossal.

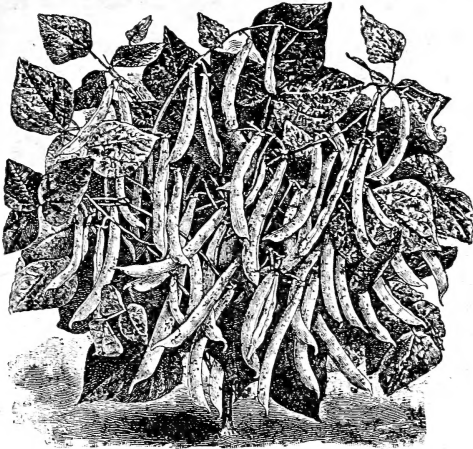
**ASPARAGUS ROOTS**—Can supply Roots of above varieties at \$1.00 per 100, \$3.00 per 1,000 at express office here.

German, Bohnen.

**BEANS—Dwarf or Bush**

French, Haricots.

One quart for 100 feet in drills; two bushels for an acre in drills;  $\frac{3}{8}$  ft. apart,  $\frac{1}{2}$ -1 ft. thinned in the row. If by mail, postage 15c per quart extra.

**GREEN POD VARIETIES.**

Stringless Green Pod.

**EXTRA EARLY ROUND-PODDED VALENTINE**—This is one of the very best Snap Beans, being very early and of first-class quality. The pods are round, fleshy, crisp and tender. Very productive. The best Early Green Bean for the market gardener or private grower. Pkt. 10c; pint 15c; quart 25c; peck \$1.35.

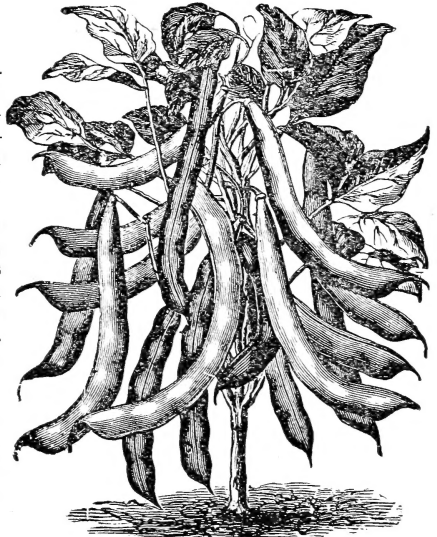
**GIANT STRINGLESS VALENTINE**—The improved Valentine has for a long time been a very popular bean among market gardeners as well as those growing for their own table. In this new variety we have all the good points of the parent with some marked improvements. The pods, produced abundantly, are considerably larger, are round, full, fleshy and brittle. Pkt. 5c; qt. 25c;  $\frac{1}{4}$  bu. \$1.50.

**LONG YELLOW SIX WEEKS**—In many sections a popular market sort. When young, pods are of good quality. Very productive and hardy. Pods are long, straight and quite thick. Qt. 20c; pk. \$1.25.

**STRINGLESS GREEN POD BUSH**—Is the first stringless green-pod dwarf bean in cultivation. It surpasses all others in crisp, tender flavor, and is also very prolific. The pods are ready to market two weeks earlier than Red Valentine. Price, pkt. 5c; qt. 25c;  $\frac{1}{4}$  bu. \$1.50.

**REFUGEE OR BROWN SPECKLED VALENTINE**—Hardy abundant bearer, one of the best for pickling. Pkt. 5c; qt. 20c;  $\frac{1}{4}$  bu. \$1.25.

**EARLY MOHAWK**—Very early, productive and extremely hardy and one of the best beans we know of for poor land. Handsome, long, straight and narrow pods; beans kidney shaped, purple and brown in color. Pkt. 5c; qt. 20c;  $\frac{1}{4}$  bu. \$1.25.



Extra Early Round-Podded Valentine.

**BURPEE'S BUSH LIMA**—A bush form of the true Large Lima. Plants uniformly dwarf, bearing very abundantly, single plants under favorable circumstances yielding from 150 to 350 pods, containing 4 to 6 beans; grows only 20 inches high, branching freely, immense bearer. Pkt. 5c; qt. 30c;  $\frac{1}{4}$  bu. \$1.75.

**HENDERSON'S BUSH LIMA**—A dwarf form of the Small Lima and valuable because of its extreme earliness. Vines without runners, but continuing to grow and set pods until stopped by frost. Pods short, fat and containing from 2 to 4 beans; superior in quality to the Large Lima. Pkt. 5c; qt. 30c;  $\frac{1}{4}$  bu. \$1.75.



**YELLOW POD OR WAX VARIETIES.****IMPROVED PROLIFIC BLACK**

**WAX**—This Bean originated from the old Black Wax, but it is much superior to its parent. It is much more productive and the pods are longer, straighter and rounder. Pkt. 5c; qt. 30c; pk. \$1.75.

**IMPROVED GOLDEN WAX**—An

improvement on the old Golden Wax. Pods larger and more prolific. Pkt. 5c; qt. 30c; pk. \$1.75.

**DAVIS WAX**—The plant is a vigor-

ous grower, carrying the pods well above the ground. The pods are long, straight and of a clear waxy color, often growing to a length of 7 or 8 inches. It is stringless, of fine flavor, and an excellent shipper; white seeded. Pkt. 5c; qt. 30c; pk. \$1.75.

**WHITE WAX**—Pods waxy yellow.

tender and stringless. Beans medium size, oval, white. Pkt. 5c; qt. 25c;  $\frac{1}{4}$  bu. \$1.75.



Wardwell's Kidney Wax.

**CRYSTAL WHITE WAX**—Very desirable for snaps or pickles. Pods greenish white, short, curved with crease in back, very fleshy and brittle. Pkt. 5c; qt. 25c;  $\frac{1}{4}$  bu. \$1.75.

**WARDWELL'S KIDNEY WAX**—

This bean merits a position among the earliest, hardiest and most productive wax beans ever produced. The pods are very large, smooth and showy, and will readily sell in preference to any other; are tender, stringless and of excellent quality. Pkt. 5c; qt. 20c;  $\frac{1}{4}$  bu. \$1.75.

**CURRIE'S RUST PROOF WAX**—

Seed black; a fine sort. Rust proof, tender thick fleshed pods, early and very productive. Pkt. 5c; qt. 30c;  $\frac{1}{4}$  bu. \$1.75.



Prolific Black Wax.

**FLAGEOLET WAX**—A large bush wax variety; seed large, purplish red; excellent as a snap bean, and in great favor as a dry shell bean. Pkt. 5c; qt. 30c;  $\frac{1}{4}$  bu. \$1.75.

**PENCIL POD BLACK WAX**—Grows a taller, stronger and more vigorous bush than the Prolific Black Wax, which is one of its parents. Pods are long, slender, straight and shaped very much like a pencil. Pkt., 5c; qt. 30c;  $\frac{1}{4}$  bu. \$1.75.

Market Gardeners using Beans in larger quantities than priced herein will do well to ask for MARKET GARDENER'S LIST.



**BEANS—POLE OR RUNNING.**

(Postage 15c per quart extra.)

Plant when the trees are well out in leaf. Set poles three to four feet apart. Plant six beans around each pole and thin to the two best plants when well started. A shovel-ful of well-rotted manure or a small quantity of fertilizer placed a few inches beneath the beans will greatly increase the size and quality of the crop.

**LIMA BEANS.** These should be planted later than all other classes of Beans. Always plant the Bean with the eye down.

**LARGE WHITE LIMA or BUTTER.** Rich and finest flavor and estimated to be the best of pole beans. Pkt. 5c., qt. 25c.,  $\frac{1}{4}$  bu. \$1.50.

**CAROLINA.** A small variety of Lima, more easy of vegetation, more vigorous in growth, earlier in season, and more prolific in pod. Pkt., 5c; pt., 25c;  $\frac{1}{4}$  bu., \$1.50.

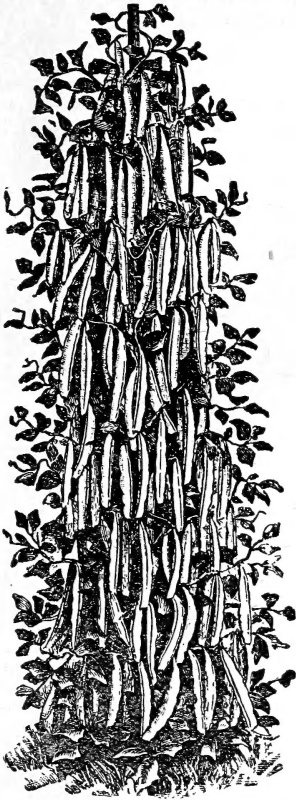
**LAZY WIFE.** This sort is popular in many localities. As its name indicates, a handful of choice, stringless pods at a single grab. The pods are broad, thick, very fleshy and entirely stringless, and possess a rich buttery flavor when cooked. The beans are white and make a very good dry bean for winter use; may be grown either on poles or on corn. Pkt., 5c; qt., 25c;  $\frac{1}{4}$  bu., \$1.50.

**DUTCH CASE KNIFE.** Pods long, green and flat; can be either snapped or shelled. Pkt., 5c; qt., 25c;  $\frac{1}{4}$  bu., \$1.50.

**HORTICULTURAL or SPECKLED CRANBERRY.** A showy bean, maturing in eighty days. Pods green, dashed with red, valued either as a snap or for shelling. Pkt., 5c; qt., 25c;  $\frac{1}{4}$  bu., \$1.50.

**CUT SHORT OR CORN HILL.** An old variety, very popular for planting among corn; pods short, round and tender; beans nearly oblong. Pkt., 5c; qt., 25c;  $\frac{1}{4}$  bu., \$1.50.

**KENTUCKY WONDER.** Vine vigorous, climbing well and very productive, bearing its pods in large clusters; pods green, very long, often reaching nine or ten inches, nearly round when young and very crisp, becoming very irregular and spongy as the beans ripen. A very prolific sort, with showy pods. Pkt., 5c; qt., 25c;  $\frac{1}{4}$  bu., \$1.75.

**BEETS.**

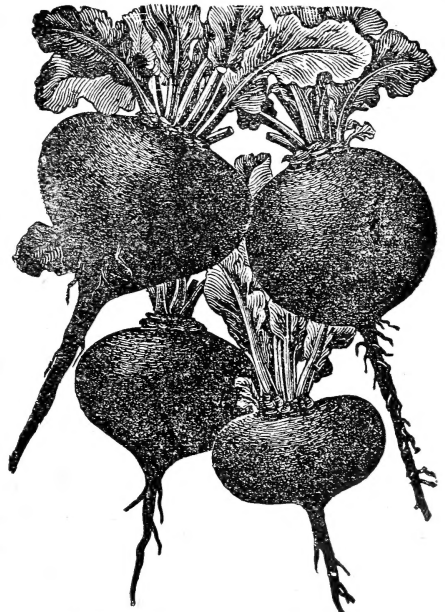
German, Rothe Ruebe. French, Bettrave.

One ounce for 100 feet of drill; five to six pounds to an acre in drills one to two feet apart, thinned to 6 inches in the row.

**EARLY BLOOD TURNIP**—A well-known standard variety; rich deep, blood-red color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**ECLIPSE**—Has become exceedingly popular for its extreme earliness, possessing all the qualities requisite in a first-class beet. The roots are bright, glossy red, fine grained and delicious. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**THE ELECTRIC**—The best second early beet. The Electric is a thoroughbred, remarkably uniform in shape and size, with smooth, dark red skin, small leaves and a small tap root. The flesh is fine grained and tender; color, rich red, ringed with dark crimson. We recommend the Electric Beet to all those wanting an extra fine early table beet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



1 Edmonds. 3 Eclipse.  
2 Early Blood. 4 Early Egyptian

**DETROIT DARK RED**—A choice strain of dark red turnip. Fine globular or oval, smooth roots, with small tops; skin blood red, flesh dark red, zoned with a lighter shade; tender and sweet. Extremely popular for market and canning. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**DEWING'S IMPROVED BLOOD TURNIP**—An excellent blood turnip variety, about a week earlier than the Blood Turnip, deep blood red color; fine form, excellent flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**THE LENTZ**—Is as early as the Egyptian, but larger and of better quality; color of dark red, flesh very tender and sweet at all times, whether old or young. Very productive, good keepers and will produce a crop in six weeks from planting the seed. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**CROSBY'S IMPROVED EGYPTIAN BEET**—The earliest beet in the market, a selection from the old market beet. Early Egyptian, retains the earliness of the parent stock, and has added thickness, giving it a more desirable shape; it is the deepest red, almost black in color and of finer quality than the Egyptian, being sweeter and even more tender and smooth. The most desirable sort of small beets for early market. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**EARLY BASSANC**—Flesh white, circled with a bright pink, of good flavor, shape resembles Early Egyptian. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**LONG SMOOTH BLOOD**—An excellent late variety. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**HALF LONG BLCOD**—The roots are about one-half as long as Long Blood, but on account of their thickness, weigh quite as much. Always smooth, very sweet, crisp, tender, never becoming woody, even portions above ground; we consider this the most valuable sort of recent introduction. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

## MANGEL AND SUGAR BEETS.

Stock Feeding Varieties. One oz. to 100 ft. drill, 2 to 3 ft. each way; 5 lbs. per acre. Special prices for large quantities.

We cannot recommend too strongly the increased use of Mangels and Sugar Beets for feeding cattle, sheep and hogs.

They make a much heavier yield than turnips and are much more nutritious. Fed to milch cows, they largely increase the quantity of milk. Try them. Plant in April or May.

The following varieties are easily grown and harvested, and their value cannot be overestimated. They keep well during the winter and furnish a great abundance of cattle food at a small cost.

**MAMMOTH RED MANGEL**—A celebrated variety, sometimes called Jumbo. A very heavy cropper, growing enormous in size, but of fine texture and quality. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 30c.

**FRENCH SUGAR**—This variety unites capacity for a large yield with an exceedingly rich flesh, making it the best for cattle feeding. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 30c.

**VILMORIN'S SUGAR**—A variety out of which much sugar has been made abroad; skin a cream color, flesh white; an average of 15 tons can be produced per acre. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 30c.

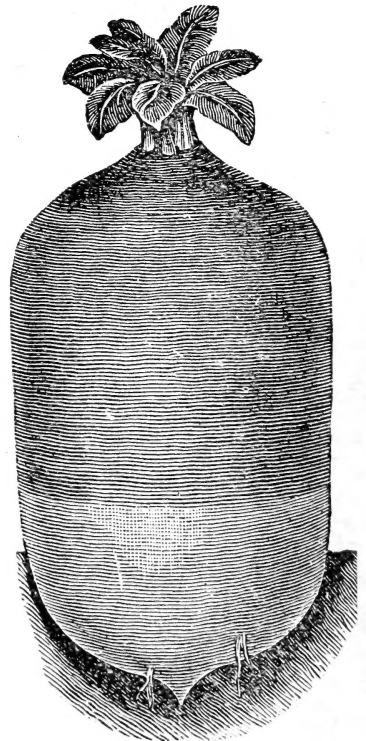
**GOLDEN TANKARD**—Very showy, oval in form, flesh white, rich golden skin. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 30c.

## BROCCOLI.

German, Spargel Kohl. French, Broccoli.

The Broccoli is similar to the Cauliflower. They will produce heads in October and November, and should any plant not be forwarded enough to use before severe frost, let it be removed to a light cellar, where it will head during the winter. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00.

**BRUSSELS SPROUTS**, pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00.

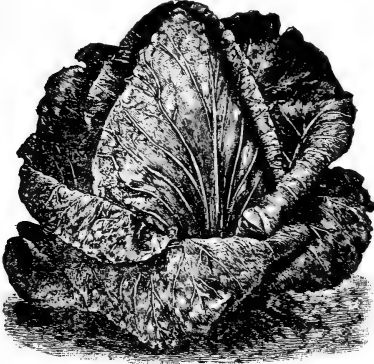


Golden Tankard.

**LONG ISLAND GROWN SELECTED CABBAGE SEED.**

Cabbage being a gross feeder requires much fertilizer.

Every experienced gardener realizes the necessity of sowing nothing but the finest Cabbage seed obtainable. There are many growers, however, who, being new to the business, have never yet had this lesson impressed upon them by painful experience, and we want to advise them against the risking of such an expensive crop for the saving of a half dollar or so per acre in cost of seed. All our cabbage seed is raised on Long Island. There is much inferior foreign grown seed on the market and it costs never more than half what the Long Island does, and the crop will be just as inferior and as cheap as the seed.



Jersey Wakefield.

**EARLY JERSEY WAKEFIELD**—The most popular very early cabbage with market gardeners all over the country. It is grown in enormous quantities for shipment to Northern markets. Unequaled for size, solidity, earliness, uniformity and trueness. Ours is a superior strain of seed. Oz., 25c;  $\frac{1}{4}$  lb., 60c.

**CHARLESTON LARGE WAKEFIELD**—Larger and later than the above variety. Valuable market sort. Oz., 25c;  $\frac{1}{4}$  lb., 60c.

**EARLY WINNIGSTADT**—A fine variety for the South. The conical heads are very solid; good quality. Oz., 20c;  $\frac{1}{4}$  lb., 50c.

Any Variety of Cabbage 5c per Packet.

**SHORT STEM DRUMHEAD LOUISVILLE**—Round, flattened at the top, uniform in shape and size. Has a very short stem, grows very compact, the leaves all turning in to form the head; we believe it to be one of the finest strains for winter use. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c.

**IMPROVED FOTTLER'S BRUNSWICK**—A very profitable sort for market. Is medium in size and largely grown for winter use. Oz., 20c;  $\frac{1}{4}$  lb., 60c.

**HENDERSON'S SUCCESSION**—A very large, flat headed, main crop variety, and excellent in every point. Good for truckers. Oz., 25c;  $\frac{1}{4}$  lb., 75c.

**BURPEE'S ALL HEAD**—An excellent variety for family or market garden. Large sized flat shaped heads. Quality very fine. Oz., 25c;  $\frac{1}{4}$  lb., 75c.

**HENDERSON'S EARLY SUMMER**—A fine, large, early variety, valuable for market. Heads keep longer without bursting than most of the early varieties. Can be planted closely together on account of having few outer leaves. Oz., 25c;  $\frac{1}{4}$  lb., 75c.

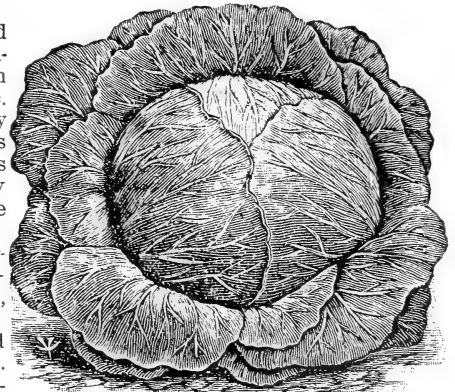
**ALL SEASONS**—This is a grand second early cabbage, of large size and A No. 1 quality. Is also valuable as a late sort. Larger in size than Early Summer. Oz., 20c;  $\frac{1}{4}$  lb., 75c.

**ST. LOUIS LATE MARKET**—This variety originated to St. Louis, where for many years it has been the variety most largely grown. Is now extensively grown for market in nearly every state. It is unquestionably the best large late sort. Oz., 25c;  $\frac{1}{4}$  lb., 75c.

**SUPERIOR LATE FLAT DUTCH**—This meritorious cabbage is so well known that a description seems unnecessary. Oz., 20c;  $\frac{1}{4}$  lb., 60c.

**LARGE LATE DRUMHEAD**—Large, solid heads. A good shipper. Oz., 20c;  $\frac{1}{4}$  lb., 60c.

**DANISH BALL HEAD**—The most solid headed and best keeper, but not of large size. Oz., 25c;  $\frac{1}{4}$  lb., 75c.



St. Louis Late Market.

**SURE HEAD**—Rightly named Sure Head, never failing to make a remarkably fine, solid head, with few outer leaves. It is a strong, vigorous grower, ripening late for main crop and uniform in size and color. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

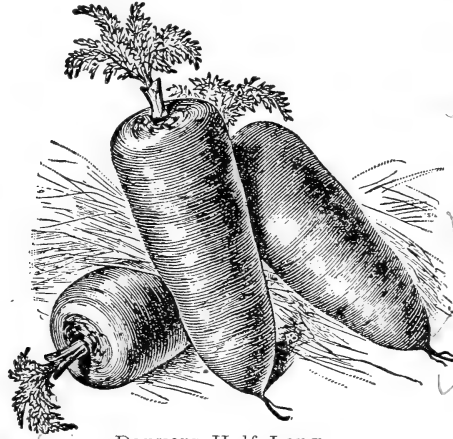
## CARROTS

German, Moshre oder Gelbe Rueben.

French, Carrote.

Culture—The carrot will do well in any good, well-worked soil. For early use, sow the seed when the apple is in bloom, in

rows fifteen inches apart, and when two inches high thin out so that the plants stand four inches apart in the row. For fall and winter use, sow the seed from the 1st to 15th of June. The roots may be stored in cellar or pit covered with dry sand, where they will keep, fresh and solid, until late in spring.



Danvers Half Long.

**OXHEART OR GUERANDE**—Roots short but very thick, smooth and handsome; flesh fine grained, tender and sweet. A fine variety for early market; color orange yellow. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**BELGIAN CARROTS**—Yellow Belgian—Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c. Used for stock feeding. Long white Belgian—Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.

**EARLY SCARLET HORN**—A small, extra early sort, suitable for forcing or first early planting out of doors. They grow to a length of about two inches and almost as thick. When young, quite tender and fine grained. Pkt., 5c; oz., 10c; lb., 25c.

**DANVER'S HALF LONG**—Very productive and will thrive on all classes of soil. Deep orange color, first-class keeper. Best quality. Pkt., 5c; oz., 10c; lb., 25c.

**LONG ORANGE**—An old standard for general use. A sure and heavy cropper. Roots long, tapering, and of a deep orange color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.

**CHANTANEY**—One of the finest of all carrots for home or market. Color deep orange red; about six inches long; stump rooted, smooth, and of excellent quality. Pkt. 5c ;oz. 10c;  $\frac{1}{4}$  lb. 25c.

German, Blumenkohl

## CAULIFLOWER

**FINEST DANISH GROWN STOCK.**

Culture—Cauliflower requires much the same treatment as early cabbage. A point to be remembered is that cauliflower requires cool, moist weather for its development; it will not head in hot weather. The sowing should be made very early in the spring or early summer, so that the plants will reach maturity before or after the hot summer weather. Sow the seed the previous autumn and protect the young plants through the winter in cold frames, or sow in hotbeds very early during January or February. Transplant into deep, rich, moist, well-worked soil as soon as frost ceases, one foot apart in rows two feet apart. Cultivate very frequently. They should be kept growing rapidly. When the flower begins to form draw the leaves over and pin or tie them together to protect the heads from the sun. For autumn use sow in June.

**EARLY SNOWBALL**—The best variety for general use. Of dwarf habit and produces fine large white heads in a very short time. Always tender and sweet. An excellent sort for either spring or fall planting. Our seed is grown in Denmark by a specialist and cannot be surpassed. Pkt., 20c; oz., \$2.50.



Snowball.

**EXTRA EARLY PARIS**—Very early and a reliable header. Large, white, solid heads of excellent flavor. A favorite with market gardeners because of its extreme earliness and large size. Pkt., 10c; oz., 75c.

**EXTRA SELECT DWARF EARLY ERFURT**—The best in general cultivation for forcing and open ground. Head close, compact and large, measuring from 7 to 10 inches in diameter. Plants are quite dwarf and seldom fail to form good size, symmetrical head of flower. Pkt., 20c; oz., \$3.50.

**CHICORY**—Large Rooted—Leaves and stems used as salad, like Endive; root edible; if dried, roasted and ground can be used like coffee. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**CHIVES**—(Schnittlauch.) The Chives are small members of the onion tribe, leaves very slender and appear very early in the spring; can be shorn several times during the season and used for flavoring soups and salads. Bulbs, 20c per bunch postpaid.

**COLLARDS**—(Georgia.) Headless variety of cabbage, the leaves used for boiling. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

Five pounds or more of one variety of Carrots, not prepaid, at 15c less per pound.

German, Sellerie. **CELERY.** French, Celeri.

**CULTURE**—Sow in drills and tread the seed firmly in; thin out to an inch apart and keep the ground well worked and free from weeds; shade the young plants for a week or ten days and do not let the soil dry out. In order to secure stocky plants, cut off the tops once or twice before transplanting, which should be done before July, after the plants have attained a height of 4 to 6 inches.

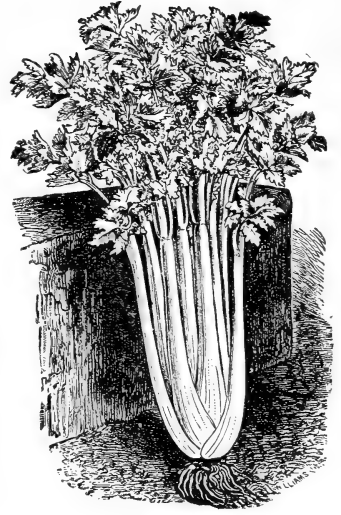
**DWARF GOLDEN HEART**—One of the best keepers through the winter. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.50.

**WHITE PLUME**—This handsome sort is valued because naturally the stalk and portions of the inner leaves and heart are white; the whiteness does not show, however, until the plants are about one-third grown; it is unsurpassed for all use and the earliest celery in the market. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; 1 lb., \$2.00.

**GOLDEN SELF-BLANCHING**—Similar to the White Plume in its self-blanching characteristics, but of a deep golden yellow color. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; 1 lb., \$3.50; postpaid.

**GIANT PASCAL**—Grows about two feet high; the stalks are very broad, thick and crisp, and of a rich nutty flavor. The heart is golden yellow, very full and attractive in appearance. It bleaches very easily and quickly. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.50; postpaid.

**CELERIAC, or TURNIP-ROOTED CELERY**—Sow seed same as Celery. Transplant in rows two feet apart, nine inches in the row. Thorough cultivation is necessary to secure good roots. Earthing-up is not necessary. Roots may be cooked or used as salad. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c.



White Plume.

## CORN SALAD.

**CULTURE**—For winter use sow shallow in rows, one foot apart, during August or September. The plants are ready for use in six or eight weeks. When winter approaches, give them a



very light covering of hay or straw. The plants are hardy and will remain green and fit for use all winter. The seed may also be sown early in spring. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

## CRESS, or PEPPER GRASS

**CULTURE**—A refreshing salad of easiest culture. As soon as the ground can be worked in the spring, sow thickly broadcast or in rows eight inches apart. Repeated sowings may be made every two weeks for a succession.



**DWARF FINE CURLED**—A small pungent salad of easiest culture. Seed should be sown early in rows about fifteen inches apart, and covered lightly; when two or three inches high it is ready for use. It is often mixed with lettuce and imparts a warm, agreeable taste to the salad. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.

**TRUE WATER CRESS**—Succeeds only where the roots and stems are submerged in water. A highly prized salad of a pleasant and agreeable flavor. Should be planted wherever a suitable place can be found for it. Pkt., 10c; oz., 30c.

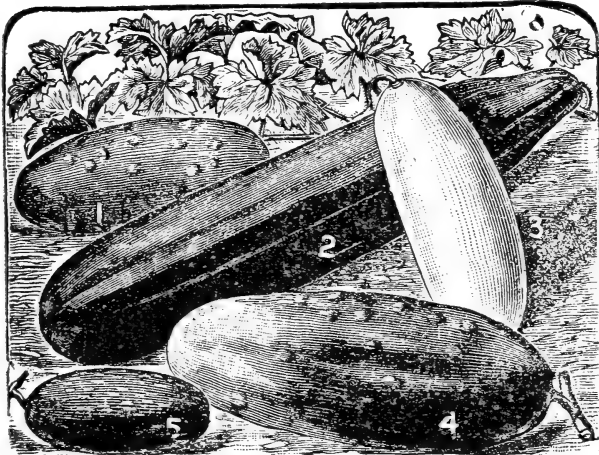
I deliver free all seeds sold by the pound, ounce or packet to any Postoffice in the United States.

## CUCUMBERS

German, Gurke.

French, Concombre.

One ounce for 50 hills; 1 to 2 lbs. in hills 5x5 ft., 3 to 4 plants each, for acre.



- No. 1 Short Green.      No. 3 White Spine.  
 No. 2 Giant Pera.      No. 4 Evergreen White Spine.  
 No. 5 Boston Pickle.

**IMPROVED ARLINGTON WHITE SPINE**—This is the strain so universally popular for growing under glass, the earliest and, by far, the best forcing strain; uniform in size; color, a rich green with light green spines. It is not only the best for forcing, but is unsurpassed for open ground. Pkt., 5c; oz., 10c; ¼ lb., 30c.

**EXTRA LONG, OR EVERGREEN WHITE SPINE**—Beautiful in shape and color. Fruit long and cylindrical, dark green; flesh white, crisp and tender; finest quality. Pkt., 5c; oz., 10c; ¼ lb., 35c.

**EARLY CLUSTER**—A very popular early Cucumber, producing its fruit in clusters near the root of the plant. Its usual length is about five inches; skin prickly; flesh white, seedy, tender and well flavored. Pkt., 5c; oz., 10c; ¼ lb., 25c.

**SHORT GREEN—Extra Selected**—A very superior stock which has been carefully selected for pickling by an extensive pickle grower for upwards of twenty years, and we believe is today the most perfect strain in existence. Pkt., 5c; oz., 10c; ¼ lb., 30c.

**KLONDIKE CUCUMBER**—This has proven in every way a valuable acquisition, producing Cucumbers for every purpose for which Cucumbers are used; averaging from 6 to 8 inches in length; uniform in size; dark green color; retaining its color and a very prolific yielder. One of the best for home gardens, and a good market garden sort. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**IMPROVED LONG GREEN**—We have a superior strain of the well-known Long Green; is the most uniform long, straight, smooth and handsome of any we have ever seen. Pkt., 5c; oz., 10c; ¼ lb., 25c.

**LONG GREEN TURKEY**—An excellent variety. Good either for pickling or slicing; dark green; flesh firm and solid. Pkt., 5c; oz., 10c; ¼ lb., 25c.

**BOSTON PICKLING**—As its name implies, it is a choice pickling variety. Quite productive. Oz., 10c; ¼ lb., 30c.

**CHICAGO PICKLE**—Pkt., 5c; oz., 10c; ¼ lb., 30c.

**NICHOLS' MEDIUM GREEN**—Pkt., 5c; oz., 10c; ¼ lb., 30c.

**JAPANESE CLIMBING**—Pkt., 5c; oz., 20c; ¼ lb., 50c.

**GHERKIN or BURR**—Pkt., 5c; oz., 15c; ¼ lb., 50c.



Klondike.

I WANT MARKET GARDENERS to have my SPECIAL MARKET GARDENER'S CATALOGUE. It gives lowest prices for Onion and other Seeds in quantity. It is intended for market gardeners only, and will be sent only to those who make a business of trucking.

German, Sueszkorn.

**SWEET CORN.**

French, Mais.

One quart for 50 hills. One peck in hills  $2\frac{1}{2} \times 3$  ft., 6 grains each, for one acre. (If by mail, postage 15c per quart, 8c per pint extra.)

**EXTRA-EARLY VARIETIES.**

**ADAMS' EXTRA-EARLY**—Not a sugar corn, but largely grown for early use. Pt., 15c; qt., 25c;  $\frac{1}{4}$  bu., \$1.00.

**EARLY MINNESOTA**—One of the standard early sorts. Ready for market two weeks later than Cory or Chicago Market. Pt., 15c; qt., 25c;  $\frac{1}{4}$  bu., \$1.00.

**SECOND-EARLY SWEET CORN.**

**CROSBY**—An old and popular variety, 12 and sometimes 14-rowed; grain thick and sweet; finest market sort. Pt., 15c; qt., 25c;  $\frac{1}{4}$  bu., \$1.00.

**ADAMS' EARLY**—Not a sugar corn, but grown extensively all over the country for market purposes. Pt., 15c; qt., 25c;  $\frac{1}{4}$  bu., \$1.00.

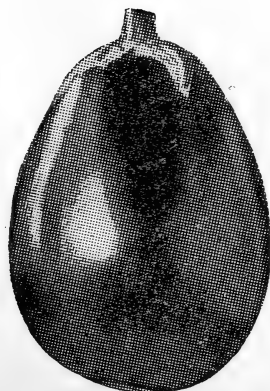
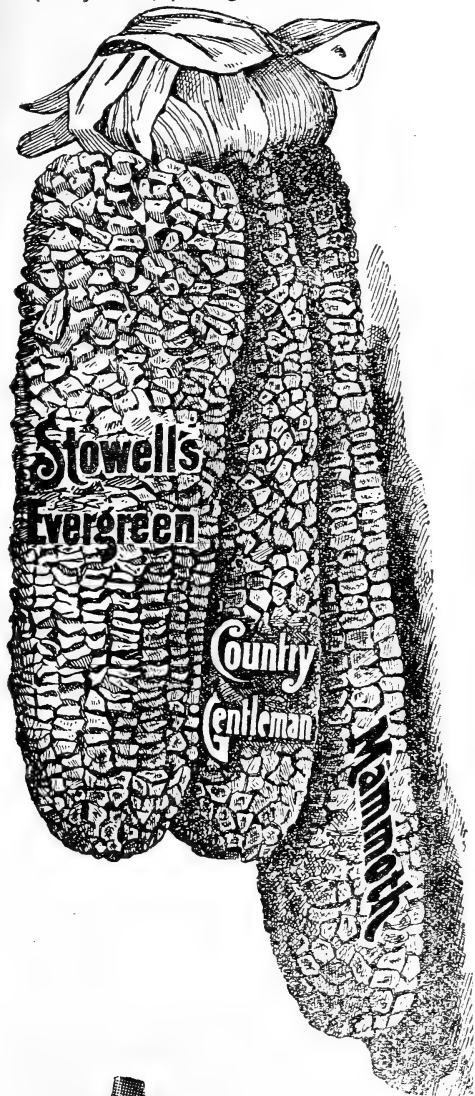
**CHAMPION**—A new and most desirable sort; ears nearly as large as Evergreen, and pure white; nearly as early as Minnesota; a splendid variety for market gardeners. Pt., 15c; qt., 25c;  $\frac{1}{4}$  bu., \$1.00.

**LATE VARIETIES.**

**OLD COLONY**—This variety is two weeks earlier than the Evergreen, and almost as large. It is considered the best and sweetest by canning factories. A fine paying variety for market. Pt., 15c; qt., 30c;  $\frac{1}{4}$  bu., \$1.25.

**STOWELL'S EVERGREEN**—The best late corn for all purposes. It has been a leader for many years as a main crop variety, and is unexcelled as a market corn. Pt., 15c; qt., 30c;  $\frac{1}{4}$  bu., \$1.00.

**LANDRETHS' SUGAR**—Many other sugar varieties are earlier than this, but we believe it is the best all-round corn and the most desirable as a main crop in the family garden. Planters will find it remarkably satisfactory and astonishingly productive, two ears on every stalk often three and sometimes four. Stalks two feet shorter than the Evergreen and very close-jointed and sturdy, never blowing over. The ears set low, large and well filled. The grain is narrow and deep, somewhat similar in shape to Evergreen, but smaller. The ear remains in an edible condition, which is a very great advantage. Pt., 15c; qt., 25c;  $\frac{1}{4}$  bu., \$1.25.



German, Eirfrucht. **EGG PLANT.** French, Aubergine.

One ounce for 200 plants,  $\frac{1}{4}$  lb. for an acre, 3 ft. each way.

**IMPROVED NEW YORK**—Best variety in cultivation, a sure cropper and of fine quality. Plants are large and vigorous; fruit very large, oval and a deep purple color; flesh white and tender. Pkt., 5c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25.

**EARLY LONG PURPLE**—Very hardy and productive, the fruit growing from six to eight inches long, dark purple in color. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**LARGE ROUND BLACK**—Twice the size of the Black Pekin, fully as large as the Large Round New York Purple, just as good and a quicker seller in market. Does not split. Color solid black. Known also as **BLACK BEAUTY.** Oz., 50c;  $\frac{1}{4}$  lb., \$1.50.

German, Endivien.

**ENDIVIE.**

French, Chicoree Endivie.

Two ounces of seed to 100 yards of Row. Three pounds to the acre.

Sow in the spring as soon as the earth is free from frost, and repeat to within sixty days of autumn frost. Drill in rows of 2 feet and thin the plants to 8 inches apart. Tie up the loose leaves or cover with pots to blanch for salad. Valuable for salads and highly decorative as a garnish to table vegetables.

**LARGE GREEN CURLED**—A desirable salad when blanched. Popular as a garnish. Oz., 15c; ¼ lb., 45c.

**WHITE CURLED**—A variety of white tint. Used for decoration. Oz., 15c; ¼ lb., 45c.

**MOSS CURLED**—Green and extra curled. Used for decoration. Oz., 20c; ¼ lb., 60c.

**BROAD LEAVED**—Called Escarolle in some districts. Foliage broad and flat. Most productive. A favorite salad. Oz., 15c; ¼ lb., 40c.

German, Blaetterkohl.

**KALE, OR BORECOLE.**

French, Chou Vert.

Sow in prepared beds, middle of April to beginning of May and transplant beginning of June, same as Cabbage. All the varieties are very hardy, and are best when touched with frost. One ounce to 1,500 plants.

**PHILADELPHIA DWARF GERMAN GREENS, 60 DAYS**—Sow in autumn for "sprouts" or "greens." Height 4 to 6 inches. Sow in permanent position. Oz., 10c; ¼ lb., 25c.

**TALL CURLED SCOTCH**—Manage as winter Cabbage. Desirable for winter use. Height 2 to 4 feet. Sow in beds and transplant. Oz., 10c; ¼ lb., 25c.

**DWARF GREEN CURLED SCOTCH**—Grows about 12 inches in height and spreads, under good cultivation, to three feet in diameter. The leaves are bright green, beautifully curled and very tender. Allow to get a slight touch of frost before using. Oz., 10c; ¼ lb., 25c.

**SIBERIAN, OR WINTER SPROUTS**—Extensively grown as winter greens. Sow in September in rows, and treat as a Spinach for use in early spring. Oz., 10c; ¼ lb., 25c.

**KOHL RABI.**

German Knollkohl.

French, Choux-raves.

A popular vegetable, intermediate between the Cabbage and the Turnip. Sow in drills from May to July.

One ounce to 3,000 plants.

**EARLIEST SHORT-LEAVED WHITE VIENNA, FORCING**—This variety is especially adapted for early work and forcing in frames, on account of its short leaf habit; flesh white and very tender. Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., \$2.50.

**EARLY WHITE VIENNA**—A favorite market sort; flesh white and tender. Pkt., 5c; oz., 25c; ¼ lb., 60c.

**EARLY PURPLE VIENNA**—Differs from the above in color only. Pkt., 5c; oz., 25c; ¼ lb., 60c.



Kohl Rabi.



Garlic.

**GARLIC.**

German, Knoblauch.

French, Ail.

The sets should be planted in well-enriched soil early in spring, the rows one foot apart, and about three inches between the plants in the row. Harvest same as Onions.

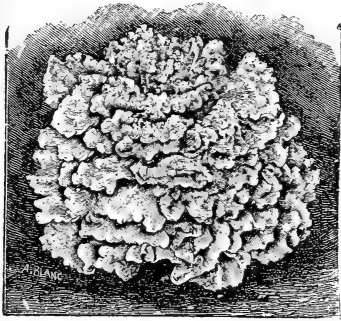
**SETS**—Lb., 15c.



**LETTUCE.**

German, Salat.

French, Laitue.

**LOOSE LEAVED VARIETIES.**

Grand Rapids.

**BLACK SEEDED SIMPSON**—We have a fine strain of this lettuce carefully selected. This is the most popular sort on the market. Forms large, loose heads. Leaves thin and exceedingly tender, of light green to golden yellow. Best sort of forcing or outdoor early planting. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

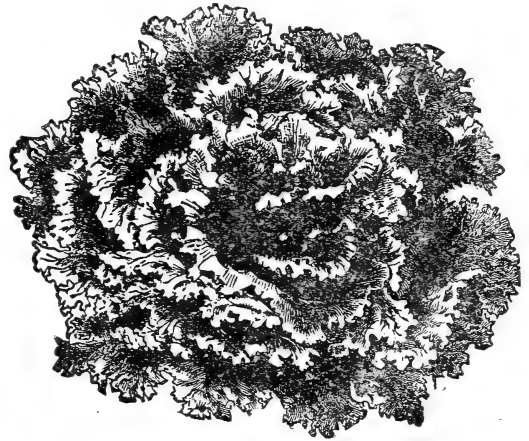
**EARLY CURLED SIMPSON WHITE SEED**—Forms a close, compact mass of curly yellowish green leaves. Earlier than the head varieties. Good for cold frames or early planting for outdoors. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

**GRAND RAPIDS FORCING**—Preferred by a great many to the Black Seeded Simpson, on account of being a tougher leaved lettuce. This makes it a fine sort for shipping, as it does not break so easily, and stands longer without wilting. Fine appearance and strong grower, and will not rot as quickly as other sorts. A quick grower. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

**HEADING VARIETIES.**

**HANSON**—Heads green outside and white inside, grows to a remarkable size, very solid and is deliciously sweet, crisp and tender, even to outer leaves. It stands the hot sun better than most other varieties. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**ADAMS' GOLDEN FORCING**—A very popular variety, originated on our market in Kansas City. Used largely by our market gardeners, either for open ground or forcing. Light in color; sometimes called Golden Forcing, and resembles the Denver Market, but not quite as near a head variety. This is used largely for forcing. Oz., 20c;  $\frac{1}{4}$  lb., 50c.

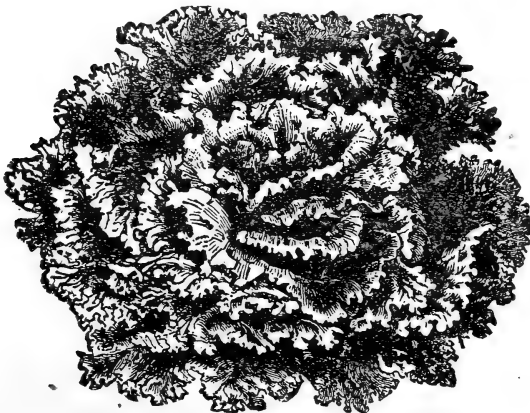


Black Seed Simpson.

**DENVER MARKET**—This is a fine crisp, crimped head variety. It has a slight tinge of red at the edges of the leaves. The ribs are a waxy white, being tender and free from bitterness. Oz., 10c;  $\frac{1}{4}$  lb., 30c.

**CALIFORNIA CREAM BUTTER**—Heads good size; leaves rich cream yellow; as a summer variety has no superior. Oz., 15c;  $\frac{1}{4}$  lb., 35c.

**WHITE PARIS COS**—Has long narrow, upright leaves; does not head, but when tied up blanches very nicely. Oz., 15c;  $\frac{1}{4}$  lb., 35c.



White Simpson.

**BIG BOSTON**—Identical in color, shape and general appearance with the famous Boston Market, but is double the size. It is about one week later, but its solidity and greater size makes it a most valuable sort. Most desirable either for forcing in cold frames or open ground planting. Popular with market gardeners and truckers because it always produces large, solid, saleable heads, which are crisp and tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.



Big Boston.

**TENNISBALL, BLACK-SEEDED**—A very popular sort for open-ground culture; forms a handsome head, and is crisp and tender. Oz., 10c;  $\frac{1}{4}$  lb., 30c.

**TENNISBALL, WHITE-SEEDED**—Extensively grown for forcing and heading under glass; heads firm and good size, very white and crisp. Oz., 10c;  $\frac{1}{4}$  lb., 30c.

**PRIZE-HEAD**—This variety has been in cultivation for many years and is well known to almost everyone. Forms loose heads; is slightly tinged with brown. Crisp and tender. Seed white. Oz., 15c; 2 oz., 25c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

## MELON, MUSK

German, Melone.

French, Melon.

**BURRELL GEM**—The latest and best Melon on the market. A combination of the Rocky Ford and Acme. Shape elongated, rind thin and tough, meat of a reddish orange very thick, fine grained and spicy; seed cavity very small and triangular and the seed held closely in place in three lobes. The popular Melon with hotels, restaurants and commission men. Sells for more money than any other melon on the market. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.25.

**ROCKY FORD**—This valuable cantaloupe has today the largest sale of any melon on the general market. They are very uniform in shape and size, weighing from  $1\frac{1}{2}$  to 2 lbs., skin green and thickly netted; flesh of light-green color and very sweet. The quality and flavor of these melons have never been equalled. It is a good keeper, hardy, and the best shipping variety ever introduced. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.



**NETTED GEM**—One of the earliest, best and most prolific small melons grown. They are globe shaped, uniform in size; flesh light-green and very fine in flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**HACKENSACK**—A large, deeply netted melon, flattened at the ends, of most delicate flavor and very productive. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

**PAUL ROSE**—A new sort, possessing several characteristics of the Osage; forms slightly oblong, distinctly ribbed, slightly netted; flesh salmon, and so thick as to show an unusually small seed cavity; flavor like Osage. A showy variety. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

color when unripe a deep green, turning a golden color when ripe. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

**OSAGE, OR MILLER'S CREAM**—A remarkably fine variety, and a very profitable sort for market gardeners, as it is fully established as a standard sort and will ever remain so. It is of medium size, oval in form, dark green in color, handsomely netted and slightly ribbed. The flesh is extremely and uniformly thick, of firm texture, rich salmon in color; highly flavored and delicious to the rind. Cavity very small. It is a remarkable keeper and a good shipping melon. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c.

**EXTRA EARLY CITRON**—A decided acquisition among cantaloupes. Earlier than any other; large, showy and of fine flavor. A variety which for its early maturity will be found profitable by all market gardeners, and desirable also in the private garden till others come into condition. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

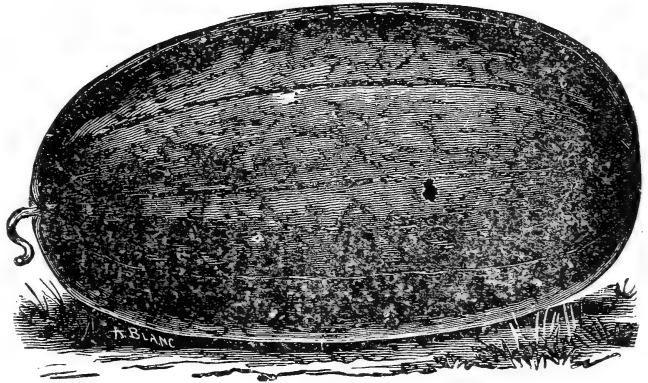
**BANANA**—An entirely distinct variety, bearing long, slender, banana-like fruit. Skin creamy white and entirely free from netting. Flesh deep salmon color, thick and of good quality. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c.

Standard Sorts.	Pkt.	oz.	$\frac{1}{4}$ lb.
Jenny Lind. . . . .	5c	10c	35c
Emerald Gem. . . . .	5c	10c	30c
Baltimore or Acme. . . . .	5c	10c	30c
Montreal Market. . . . .	5c	10c	30c
Large Green Nutmeg. . . . .	5c	10c	30c

## WATERMELON

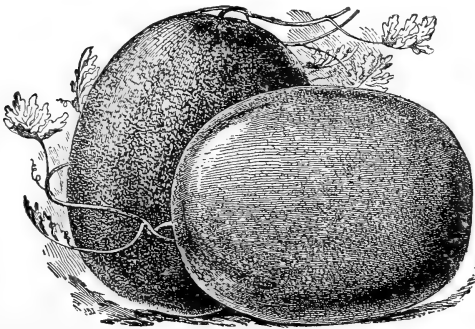
**FORDHOOK EARLY**—This is an extra early melon of oval form, small in size, handsomely striped with light and dark green, of good quality. Desirable for home use. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c; postpaid.

**KLECKLEY'S SWEET**—Large oblong melon; skin dark green; flesh bright scarlet; very sweet and sugary; one of the best melons that has been offered. If you have a home garden you can't afford to be without this. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.



Kleckley's Sweet.

**SWEET HEART**—Fruit large, oval, uniformly mottled, light and dark green; rind thin, but firm; flesh red, solid, melting and sweet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 70c.



Sweet Heart.

**KOLB'S GEM**—Attains a weight of from 25 to 50 lbs.; flesh bright red; solid, sweet and luscious, fruit round or slightly oval, marked with irregular mottled stripes of dark and very light green. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**THE DIXIE**—A cross between the Kolb's Gem and the Mountain Sweet; far superior to the former; larger, earlier and much more productive. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 60c.

**DUKE JONES**—One of the largest and most productive melons. Solid dark green skin, of firm appearance; solid red meat. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 60c.

**BLACK DIAMOND**—A cross between Kolb's Gem and Hoosier King, one of the most prolific watermelons ever planted. Color rich, dark green, almost black; symmetrical in shape, roundish to bluntly oval; uniform throughout the field; in size they are very large. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 60c.

**ALABAMA SWEET**—This is undoubtedly one of the finest shipping melons ever put on the market. It covers an unusually long season; coming in early, it continues to bear longer than most of the other varieties. It is of a large size, good in appearance and the flavor is delicious. The fact that it can be transported long distances will recommend it to all growers for market. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

Standard Sorts.	Pkt.	oz.	$\frac{1}{4}$ lb.	1 lb.
Seminole. . . . .	5c	10c	15c	50c
Florida Favorite. . . . .	5c	10c	15c	50c
Phinney's Early. . . . .	5c	10c	15c	50c
Pride of Georgia. . . . .	5c	10c	15c	50c
Mountain Sweet. . . . .	5c	10c	15c	50c
Cuban Queen. . . . .	5c	10c	15c	50c
Peerless or Ice Cream. . . . .	5c	10c	15c	50c
Triumph. . . . .	5c	10c	15c	50c

Postpaid.

My Melon Seed is saved from choice melons, not from culls or left-over stock.

## MUSHROOM SPAWN

German, Champignonbrut.

French, Blane de Champignon.

One brick will plant eight to ten square feet of bed.



**CULTURE**—Fermenting horse manure mixed with an equal amount of fresh sod loam, is made into beds, the size required eight inches deep. See to it that bed is packed very solidly and evenly. Plant the broken pieces of Spawn six inches apart, covering the whole with two inches of soil and protect from cold and rain. The Mushroom will appear in about six weeks. Water sparingly with lukewarm water.

Mushrooms are very much more easily cultivated than is generally supposed. They can be successfully grown in a cellar, under green house benches or in sheds.

**ENGLISH SPAWN**—Per brick,  $1\frac{1}{4}$  lbs., 20c.

German, Senf.

## MUSTARD

French, Moutarde.

**WHITE ENGLISH**—Most desirable for salad and culinary purposes. Oz., 5c;  $\frac{1}{4}$  lb., 10c; lb., 30c.

**BLACK OR BROWN**—Oz., 5c;  $\frac{1}{4}$  lb., 10c; lb., 30c.

**SOUTHERN GIANT CURLED**—This mustard is very highly esteemed. Our stock is the true curled leaf. The seed is brown and produces plants which often grow two feet high, and of a greater breadth, forming enormous bunches. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 70c.



## OKRA OR GUMBO

German, Hibiscus.

French, Gombo.

1 ounce sows 50 feet of drill.

This is a delicious vegetable. The young green pods make a healthful and nutritious soup, and when pickled are a fine salad.

**WHITE VELVET**—A valuable variety characterized by its round, smooth pods, free from ridges and seams. It is the most prolific Okra now offered, bearing 16 to 20 remarkably white pods per stalk; all well filled with tender, well-flavored fruit, rich in mucilaginous properties. Dried in the shade the pods can be used for soups at any time. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c.

**LONG GREEN POD**—Dwarf plant, producing pods of unusual length, often 10 inches long when mature, very slim and of intensely green color. The best of all green sorts. Canned for winter use in large quantities. No other sort can compare with this. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**DWARF GREEN**—Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



# ONIONS

German, Zwiebel.

French, Oignon.

One ounce for 100 feet of drill, four to six pounds in drills for an acre, 14 to 20 inches apart, 3 to 4 inch thinned out.

There is no crop more generally grown than of the Onion and no vegetable in which the quality of the seed exerts a greater influence on the crop. Our stock is carefully grown from choice selected bulbs and is unsurpassed in quality or vitality.

Quality first and price after is our motto and in no place is it more appreciated than in onion seed.

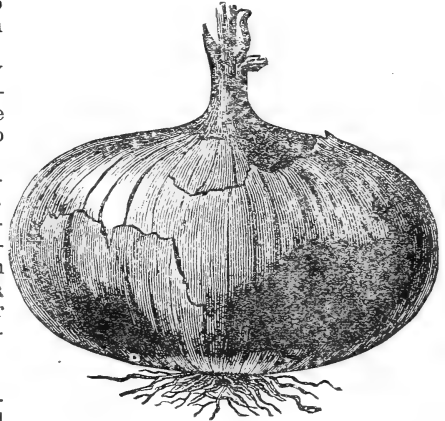
✓ **EXTRA-EARLY RED FLAT**—A very early and abundant yielder; mild flavored, of medium size, and a good keeper; bulbs same shape and color as Red Wethersfield, but two weeks earlier. Pkt., 5c; oz., 15c; lb., \$1.60.

✓ **RED WETHERSFIELD**—I confidently recommend our strain of this favorite onion as the very best ever offered. It grows with unusual regularity, and yields of over 1,000 bushels per acre have been reported to us from various sections. Onions weighing from one to two pounds are frequently grown from our selected strain in one season from seed. Extensively grown by gardeners who ship to distant markets. Pkt., 5c; oz., 15c; lb., \$1.60.

✓ **SOUTHPORT LARGE RED GLOBE, SELECTED**—All grown from selected hand-picked bulbs, none but those perfect in size and shape being set for seed. Pkt., 5c; oz., 20c; lb., \$2.75.

✓ **YELLOW DANVERS FLAT**—A good onion for home or market use. A trifle flatter than the Yellow Globe Danvers. Pkt., 5c; oz., 15c; lb., \$1.50.

✓ **SOUTHPORT WHITE GLOBE, SELECTED**—All grown from selected hand-picked bulbs, none but those perfect in size and shape being set for seed. Pkt., 5c; oz., 30c; lb., \$3.00.



Red Wethersfield.



Red Globe.

✓ **SOUTHPORT YELLOW GLOBE, SELECTED**—All grown from selected hand-picked bulbs; none but those perfect in size and shape being set for seed. Pkt., 5c; oz., 25c; lb., \$2.00.

**AUSTRALIAN BROWN**—Long keeper, early, fine cropper. Pkt., 5c; oz., 15c; lb., \$1.50.

**PRIZETAKER**—Globe shape with a bright straw colored skin, small neck, grows to an enormous size from the seed the first year. Pkt., 5c; oz., 20c; lb., \$2.00.

**BERMUDA WHITE**—These onions grow to an immense size. The skin is very thin, flesh white, fine grained, of mild and pleasant flavor. It will grow an onion from 1 to 1½ pounds from seed the first season. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**RED BERMUDA ONIONS**—Pkt., 10c; oz., 25c; lb., \$2.25.

**MAMMOTH SILVER KING**—A large flat variety. The skin is pure white and flesh remarkably tender. Pkt., 5c; oz., 20c; lb., \$2.00.

**WHITE PORTUGAL or SILVERSKIN**—A large, flat, white onion of mild and pleasant flavor; hard and fine-grained, and a good keeper. Extensively

sown for sets, and is also largely grown for pickling. Pkt., 5c; oz., 30c; lb., \$2.00.

## ONION SETS.

Red Bottoms. ....bu.	\$2.75	White Bottoms. ....bu.	\$3.00
Yellow Bottoms. ....bu.	2.75	White Multipliers. ....bu.	3.50
Red Tops. ....bu.	3.50	Winter Tops. ....bu.	2.00



German, Pastinake. **PARSNIPS** French, Panals.

One ounce to 200 feet of drill, 4 to 5 lbs. in drills, per acre, 2 to 3 ft. apart thinned to 6 inch.

**BLOOMSDALE, 80 DAYS**—The Bloomsdale is the best-bred and handsomest parsnip to be found. It is half-long, wedge-shape, hollow-crowned and very broad at the shoulders, and producing more tons to the acre than the longer and more slim varieties. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**LONG SUGAR**—Best variety for general purposes. Very hardy and will keep through winter without protection. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**GUERNSEY**—Roots comparatively short, ending somewhat abruptly. Grows mostly below the surface. Has very smooth, clean skin, and is easily distinguished by the leaves arising from a cavity on the top or crown of the root. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

German, Petersilie.

**PARSLEY**

French, Persil.

One ounce for 150 feet of drill.

**DOUBLE CURLED** or Myatt's Garnishing—No variety is more attractive when well grown; excellent for garnishing. Resembles a tuft of finely curled grass; is hardy and slow to run to seed. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 80c.

**MOSS** or Triple Curled—The leaves finely cut and curled of dark green color. Extra fine for garnishing and culinary purposes. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 80c.

**Plain or single**—Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.



German, Pfeffer.

**PEPPER**

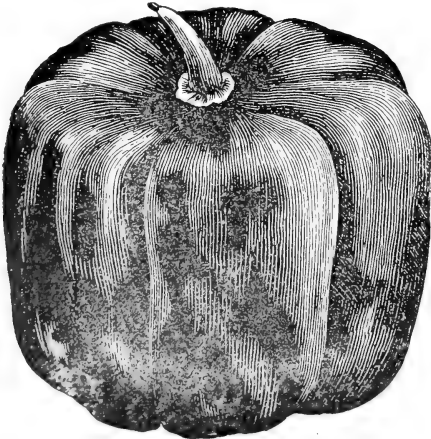
French, Piment.

**MONSTROUS NEW PEPPER CHINESE GIANT.**

Fully Twice the Size of Ruby King.

This splendid new pepper has created quite a sensation among gardeners who have grown it for market. It is the earliest, largest and best of all the large red peppers grown, fully double the size of Ruby King, which has heretofore been the leading sort. Its enormous size, beautiful shining red color and mild flavor cause it to sell readily, and gardeners will find it the most profitable sort than can be handled. The plants make a vigorous growth of low, compact, bushy habit, and are well set with the giant fruits. Single fruits often measure over four inches in breadth, the breadth being usually greater than its length. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00.

**RUBY KING**—A mild flavored pepper of large size, from four to six inches long by three and one-half to four inches thick. Un-



Chinese Giant.

equaled by any other variety. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**SWEET MOUNTAIN**—A strong grower and very productive. The young peppers are of a bright green color, turning to a rich red when ripe. Very large, sweet and mild. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**BELL, OR BULL NOSE**—Very large and mild, glossy red variety. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**LONG RED CAYENNE**—A long, slender red pepper, very hot and pungent. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**PEAS**

German, Erbse.

French, Pois.

**Extra Early Sorts.** One quart for seventy-five feet of drill two to three bushels in drill per acre 36 inches apart in drill rows. If by mail, postpage 15c per quart, 8c per pint extra.

All wrinkled peas remain longer in season, are more delicate in flavor, and are sweeter than smoother sorts, for as in sugar corn, the wrinkled appearance indicates a greater amount of saccharine matter.

**EXTRA-EARLY VARIETIES.**

**ALASKA**—The best early green seeded variety. Very early and uniform grower. A popular sort with canners and shippers. First-class in every respect. Height, 2½ feet. Pkt., 5c; qt., 25c; ¼ bu., \$1.25.

**FIRST AND BEST OF ALL**—Ahead of all others in earliness and productiveness. It has held the lead for many years on the market, and is the best first early variety for the market gardener. It is very prolific and ripens so uniformly that the vines can be cleaned at one picking. Pkt., 5c; qt., 25c; ¼ bu., \$1.25.

**LANDRETH'S EXTRA EARLY**—In sealed bags. 25c; \$1.50 and \$5.00.

**GRADUS, or PROSPERITY**—Without doubt the finest extra pea yet introduced; it is in condition to pick four days after Adams' Kansas City Extra-Early. The pods are very large and well filled, with large wrinkled deep green peas of the very finest quality. Height, 3 feet. Pkt., 10c; qt., 20c; ¼ bu., 40c.

**AMERICAN WONDER, 52 DAYS**—Vine 6 to 8 inches high and very prolific in pods of striking form and size. In maturing it is among the first earlies. Pkt., 5c; qt., 30c; ¼ bu., \$1.75.

**NOTT'S EXCELSIOR, 54 DAYS**—An improvement on American Wonder, a shade earlier and larger podded. Vine almost identical. Pkt., 5c; qt., 30c; ¼ bu., \$1.75.

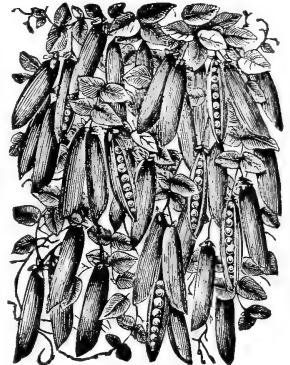
**INTERMEDIATE SORTS.**

**PREMIUM GEM**—Dwarf, prolific green wrinkled marrow. Is very early and of good quality. Larger and more vigorous than American Wonder and later. Height about 15 inches. Qt., 25c; pk., \$1.50.

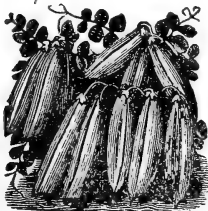
**BLISS EVERBEARING**—Grows from one and one-half to two feet high, of branching habit, pods from three to four inches long, containing from six to eight of the very largest peas, of particularly rich flavor. Unsurpassed in quality and very productive, continuing a long time in bearing. Pkt., 5c; qt., 25c; pk., \$1.50.

**PRIDE OF THE MARKET**—A round, blue pea, with pods of enormous size, well filled. Requires no sticks and unequalled for productiveness. Of vigorous growth, attaining a height of eighteen to twenty-four inches. Pkt., 5c; qt., 25c; ¼ bu., \$1.75.

**IMPROVED STRATAGEM**—Vine of medium height, but stout, with large, light green leaves, and bearing near the top a good number large, well-filled pods, fine quality. Pkt., 5c; qt., 25c; ¼ bu., \$1.75.



Adams' "First and Best."



Wholesale Prices to Market Gardeners and Truckers will be mailed upon application to all entitled thereto.

**LATE VARIETIES.**

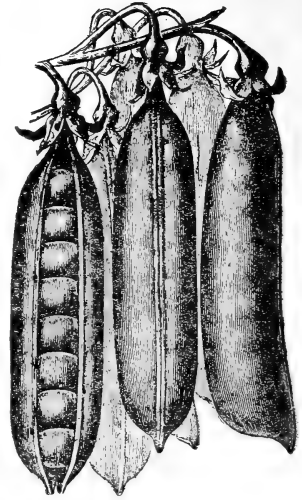
**TELEPHONE**—Very productive, of fine quality and excellent sugary flavor. Pods grow very large and closely packed. Pkt., 5c; qt., 30c;  $\frac{1}{4}$  bu., \$1.75.

**TELEGRAPH**—67 DAYS—Height,  $3\frac{1}{2}$  feet. Resembles Telephone except that the peas are deeper green and the vines more productive. Pods large and showy. Pkt., 10c; qt., 25c;  $\frac{1}{4}$  bu., \$1.75.

**CHAMPION OF ENGLAND**—Universally admitted to be one of the richest and best flavored peas grown, and very productive. Height, 4 or 5 feet. Pkt., 5c; qt., 20c;  $\frac{1}{4}$  bu., \$1.25.

**LARGE WHITE MARROWFAT**—One of the oldest varieties in cultivation and a favorite market sort. Pods large, well filled and of excellent quality. Pkt., 5c; qt., 20c;  $\frac{1}{4}$  bu., \$1.00.

**BLACK EYE MARROWFAT**—An excellent variety, growing about 5 feet high; pods large, a prolific bearer and can be recommended as one of the very best Marrowfat sorts. Pkt., 5c; qt., 20c; bu., \$1.00.



Telegraph.

**PUMPKIN**

German, Kuerbiss.

French, Courge.

One pound for 200 to 300 hills; four pounds per acre.

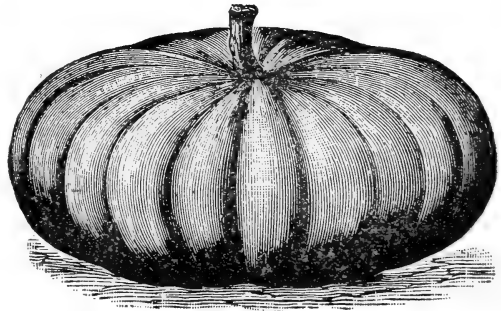
**LARGE CHEESE** or **KY. FIELD**—A popular variety. Fruit flattened, skin mottled light green and yellow; flesh tender; excellent quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**KING OF THE MAMMOTHS**—No other pumpkin ever introduced has ever reached such enormous weights. Flesh and skin of bright yellow, very fine grained, of splendid quality, and notwithstanding its enormous size, it is one of the best pie pumpkins grown, and a good keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**CUSHAW**—A prolific variety; large size, frequently weighing 60 lbs. and over; color white striped and mottled with green. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**SWEET POTATO**—Pear-shaped; size medium; creamy white in color, sometimes striped with green; flesh fine grained and very sweet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 90c.

**SMALL SUGAR**—Handsome and prolific; of small size, averaging about 10 inches in diameter. Skin deep orange yellow. Fine grained, sweet, dry and an excellent keeper, a good table variety. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



Large Cheese.



German, Radies—Rettig.

**RADISH**

French, Radis.

One ounce to 150 feet of drill. 10 to 12 lbs. per acre 10 to 18 inches apart, 1 to 3 inch in the row.



White Strasburg.

**NOTE**—Our Radish Seed is French Grown. Very short crop.

To be crisp and tender, Radishes must grow quickly; whenever growth is checked by drouth or cold weather they become tough and pithy. Rich, light, sandy soil suits them best. For the forcing crop, sow seeds in hotbeds in rows 5 to 6 inches apart, and thin the plants as the ground becomes warm. Seed of winter varieties should be sown in midsummer. Summer varieties are best adapted for general crop. An ounce of seed will sow about 75 feet of drill.

**ADAMS' SCARLET TURNIP, WHITE TIP (Rosy Gem)**—A very popular variety and largely grown for market. Small, round, turnip-shaped, of brightest scarlet, tipped with clear white; very quick to mature and handsome in appearance. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**EARLY SCARLET TURNIP**—The famous small round red Radish so much in demand everywhere. Crisp, tender, solid and brittle. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**FRENCH BREAKFAST**—Olive shape; very mild and tender; scarlet, tipped with white. Is early and very attractive in appearance. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**PHILADELPHIA WHITE BOX**—This famous white turnip-shaped or globe-shaped Radish is the foremost of its class. It is an excellent Radish for forcing under glass or for growing in the open ground. Its short top and rapid growth make it a great favorite with market men, and its mild, sweet quality wins the favor of the consumer. Extensively grown by gardeners everywhere. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**EARLY WHITE TURNIP**—Of the same size and form as the Scarlet Turnip, which is so well known. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**MARKET GARDENERS' EARLY LONG SCARLET**—Longer than Scarlet Olive and shorter than the old Long Scarlet. An admirable long variety for forcing, fully ten days earlier than the Long Scarlet, and very superior to it for that reason. Twenty-three days to maturity. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**WOOD'S EARLY FRAME, LONG SCARLET**—Shorter and thicker than the old Long Scarlet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**LONG SCARLET SHORT TOP**—The well-known market variety. More of it used than any other sort. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**LONG BRIGHTEST SCARLET**—A half-long with white point. Very early, color a brilliant scarlet, almost unexampled in beauty. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**EARLY LONG WHITE VIENNA**—An early long white variety of most superior quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**WHITE LADY FINGER (Landreth)**—Of slender, graceful form and remarkably crisp, brittle and tender. Not so good as Icicle for forcing, but has long been popular for open ground culture. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

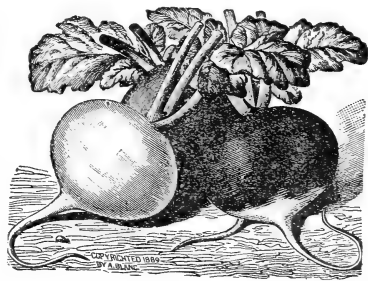
**WINTER VARIETIES.**

**ROUND BLACK SPANISH**—Grows to a large size; very solid. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**ROSE COLORED CHINA**—Form conical; large size; firm and tender; of fine flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**ROUND SCARLET CHINA**—Grows rapidly and holds its size and fine quality throughout the entire summer. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**CALIFORNIA WHITE MAMMOTH**—One of, if not the largest Radish. Often a foot or more in length. Firm flesh and keeps perfectly. Oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 20c; lb., 70c.



White Turnip. Deep Scarlet. Scarlet Turnip. White Tipped.

## RAPE

German, Raps.

French, Colza.

**For Greens**—The young leaves are used as a salad, but its chief use is as a forage plant for green food. 20c. lb.

**DWARF ESSEX**—See page 36.

## RHUBARB OR PIE PLANT

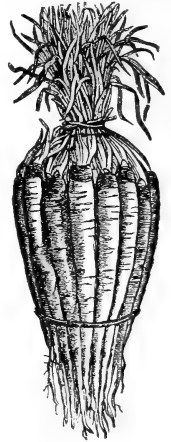
German, Rhabarber.

French, Rhubarbe.

**VICTORIA GIANT**—This is a very large and late variety, with round stalks of great length and thickness; produces a succession of stalks the whole season; held in high esteem by the market gardeners. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**LINNEUS**—Large and tender, very fine. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**RHUBARB ROOTS**—60c per doz. prepaid; \$3.50 per 100, not prepaid.



## SALSIFY

or OYSTER PLANT.

German, Harferwurzeln.

French, Salsifis.

One ounce to about 60 feet of drill. 8 lbs. per acre.

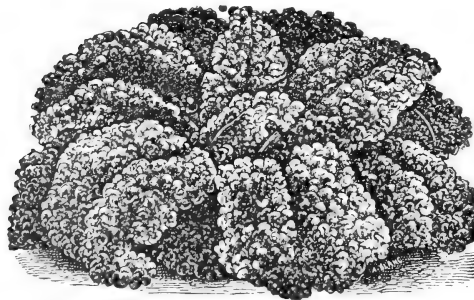
**MAMMOTH SANDWICH ISLAND**—This new Salsify recently introduced from the Sandwich Island grows fully double the size of the common variety, and is superior in quality. It is pure white in color and is invaluable to market gardeners. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

## SPINACH

German, Spinat.

French, Epinard.

✓ **LANDRETH'S BLOOMSDALE (Sealed Bags)**—The very choicest selections, and an autumn sort is superior to all others. The leaves are twisted and bloated, giving them an elasticity adapting them for transportation and giving the crop large measuring qualities. Pkt., 5c; oz., 10c; lb., 40c.



Bloomsdale.

✓ **BLOOMSDALE, or SAVOY LEAVED**—Of upright growth; leaves curled and crimped, thick and fleshy. Keeps well after cutting. Suitable for fall sowing. Oz., 5c; ¼ lb., 15c; lb., 35c.

✓ **LONG STANDING**—Leaves dark green and thick. Not inclined to run to seed for a long time. Very popular with market gardeners. Oz., 5c; ¼ lb., 15c; lb., 35c.

✓ **ROUND THICK LEAVED VIROFLAW**—One of the best market sorts for spring or autumn sowing. Oz., 5c; ¼ lb., 15c; lb., 35c.

✓ **PRICKLY WINTER**—Use for fall sowing, as it is extremely hardy. Seeds prickly, leaves not so large as those of other varieties. Oz., 5c; ¼ lb., 15c; lb., 35c.

## SORREL

Those who think of sorrel as the starved looking weed of barren lands have little idea of the possible value of the plant. The improved varieties, when well grown and cooked like spinach, make a healthful and very palatable dish. Sow in drills early in spring, and thin the seedlings to six or eight inches apart in the row. One may commence cutting in about two months, and the plants will continue in full bearing from three to four years.

**LARGE LEAVED FRENCH**—The best garden variety, having large, pale green leaves of fine quality. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

**SQUASH**

German, Speise Kuerbis.

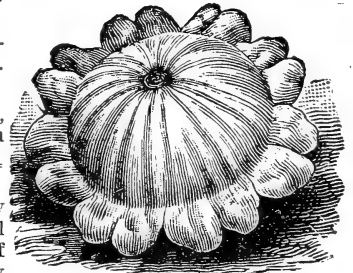
French, Courge.

One ounce for 20 to 50 hills, according to size of seed; 3 to 5 lbs. to acre. 4x4 ft. for bush; 8x8 ft. for running varieties in hills.

**EARLY YELLOW BUSH SCALLOP** or **YELLOW PATY PAN**—Orange yellow color, flat shape, smooth rind. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**MAMMOTH WHITE BUSH**—The fruit is beautiful, clear, waxy-white instead of the yellowish white so often seen in the old stock, and is much larger. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**YELLOW SUMMER CROOKNECK**—This famous variety is best for the home garden in summer, being an ideal baking sort as well as being enormously productive. Is of a bush form. Small crooked neck, with warts. Shell very hard when ripe. An elegant variety in every respect. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.



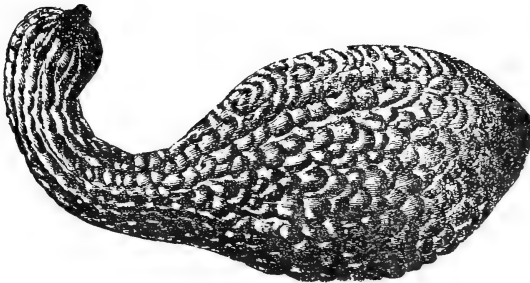
Mammoth White Bush.

**WINTER VARIETIES.**

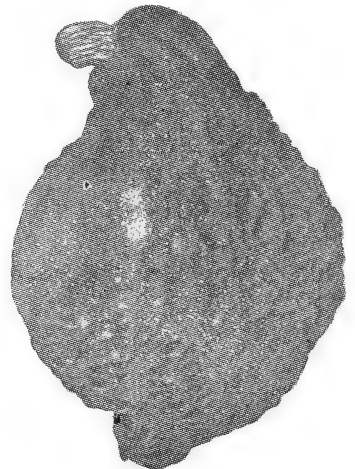
**HUBBARD**—The leading Squash for fall and winter use. Flesh dark yellow, fine-grained, being an ideal cooking variety. Very dry, sweet and rich. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., \$1.00.

**CHICAGO WARTED HUBBARD**—Is an exceptionally good keeper. Is larger than the original Hubbard and in addition is "warted," which indicates a hard shell and a long keeper. It also denotes fine quality. A great improvement over the old Hubbard. Fine for market or shipping. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**WINTER CROOKNECK**—This celebrated variety is too well known to need any introduction. Skin green, mottled and striped like kin. Long solid neck. Dry, sweet flesh. Fine keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 80c.



Winter Crookneck.



Warded Hubbard.

German, Tabak.

**TOBACCO**

**HAVANA**—From pure Cuban grown seed. When grown in this country commands a high price for cigar stock. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00.

**MISSOURI BROAD LEAF**—Extensively grown in Kansas and Missouri; the large, broad leaves are used for the wrappers. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**WHITE BURLEY**—Largely used for the manufacture of cigars, as the leaf of this variety readily absorbs a large quantity of manufacturing material. Pkt., 5c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50.

**MARKET PRICES**—Whenever you desire to buy Grass Seeds, Seed Grains, Seed Corn, Seed Potatoes, Onion Sets and other seeds in large quantities, send us a list of your wants and we will promptly quote you lowest market prices.

German, Liebesapfel.

**TOMATOES**

French, Tomato.

One ounce for thirteen to fifteen plants; 2 oz. per acre. 4 to 5 ft. each way.

**GOOD TOMATO SEED.**

There is probably no garden plant in which more rivalry is displayed by market gardeners and others to produce an early and good crop than the Tomato, for the reason there is always a greater demand for this desirable vegetable than with any other, and at good prices. I offer carefully selected stocks from the best plants and not the refuse or "culls" as is often the case of the market patch.

**LIVINGSTON'S BEAUTY**—This standard Tomato is too well known to need any introduction. It ripens with Acme and Perfection, and is a model in beauty and shape, being entirely free from rough specimens. Grows in large clusters and retains its large size late in the season. It is very valuable for shipping and for early market. Color, "purple." Pkt., 5c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

**ACME**—The celebrated pinkish-purple Tomato, which is such a favorite with truckers. Of perfect round form, and productive variety, and early. Has firm, and best varieties. Oz., 20c; ¼ lb., 60c;



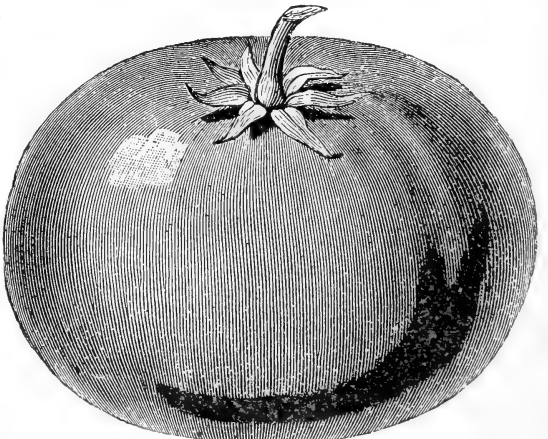
very smooth. Size is medium, but is a very solid flesh and thin skin. One of the oldest lb., \$2.00.

**TRUCKERS' FAVORITE**—A very large purple Tomato of superior quality, solid and free from cracks. An ideal shipper and a superb variety for the table. Pkt., 5c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

**DWARF CHAMPION**—This famous Tomato is a favorite home garden variety. Its stiff, upright stalks are so sturdy as to hold the fruit well above the soil, even without stakes or supports. It is early and larger than most extra large sorts. Medium to smaller in size—smaller than the great midsummer types. Of superior table quality. Resembles the Acme in color; very productive. A sure cropper. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**MATCHLESS**—A bright red, main crop variety. A splendid keeper and shipper. Less liable to crack in wet weather than most sorts. Fine for market or table. The plant is a strong grower. The fruits are large, perfectly smooth, free from core, with very small seed cavity. Pkt., 5c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

**PONDEROSA**—This mammoth Tomato is a great favorite for the home garden because of its immense size, stonelike solidity, delicious quality and beautiful appearance, whether stewed, sliced, fried, stuffed and baked or canned. Contains very few seeds; is all "meat" and of perfect form. Is valuable to grow for market, and forces under glass. Color, glowing crimson. A very heavy yielder. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.



Dwarf Champion.

<b>FAVORITE</b> —Early, large, blood red.....	Pkt. 5c	Oz. 20c	¼ lb. 60c	1 lb. \$2.00
<b>TROPHY</b> —Very large, later sort.....	5c	20c	50c	1.75
<b>NEW STONE</b> —Bright scarlet.....	5c	20c	50c	1.75
<b>EARLIANA</b> —Extra early, fruits large, red.....	10c	25c	85c	3.00

**SMALL FRUITED SORTS.**

- PEAR RED**—Pkt., 5c; oz., 20c; ¼ lb., 80c; lb., \$3.50.
- PEAR YELLOW**—Pkt., 5c; oz., 20c; ¼ lb., 80c; lb., \$3.00.
- PLUM YELLOW**—Pkt., 5c; oz., 20c; ¼ lb., 80c; lb., \$3.00.

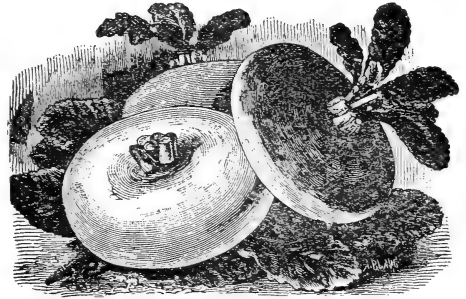
## TURNIPS

German, Weisse Ruebe.

French, Navet.

One ounce 250 ft. of drill;  $1\frac{1}{4}$  to 2 lbs. for acre, 15 to 30 inches apart, 3 to 12 inches in the row, according to size of turnips after matured, in drills, 3 lbs. broadcast.

**PURPLE TOP MILAN—Extra Early**—The earliest in cultivation. The bulb is very flat, of medium size, quite smooth, with bright purple top; leaves few, short and of light color, growing very compact and making an exceedingly small and neat top. The pure white flesh is of the choicest quality; hard, solid and fine grained. It is an excellent keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$ -lb., 25c; lb., 75c.



**PURPLE TOP (Strap-Leaved)**—This is an early variety and a great favorite for table use; form exceedingly flat like a broad disk in shape, and of medium size, color purple or dark red above ground, white below, flesh white, fine grained and tender. Popular for garden or field culture.

Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**WHITE FLAT DUTCH—Early**—An early, white fleshed, strap-leaved variety, usually sown for early summer use, very early in the spring, of quick growth, mild and excellent flavor. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**LARGE EARLY RED TOP GLOBE, 65 DAYS**—Large size, rapid growth, unusually attractive and admired by all. A very much heavier producer than either of the preceding. I confidently recommend it as an acquisition. Maturing in sixty-five days. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**AMBER GLOBE, RED CROWNED**—A selection from the older green-crowned Amber Globe. The same in all valuable particulars, but more ornamental by reason of the contrast in colors of yellow and red. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**SEVEN-TOP OR FORRESTER—(Winter Greens)**—Used extensively in the South for winter greens, does not produce a good bulb; desirable only for its tops. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**BLOOMSDALE SWEDE, or RUTA-BAGA (Maturing in 90 Days)**—The Bloomsdale is quite wonderful in its fine breeding. In nothing that we offer are the effects in selection and in careful breeding so apparent as in this Ruta-Baga. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**YELLOW ABERDEEN OR SCOTCH YELLOW**—This is a highly approved Cattle Turnip, attaining a large size. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

### HERBS—SWEET, MEDICINAL AND POT.

Anise. . . . .	\$1.00	\$0.30	10c
Basil, sweet. . . . .	1.50	.45	15c
Borage. . . . .	1.25	.40	15c
Caraway. . . . .	.65	.20	10c
Coriander. . . . .	.75	.25	10c
Dill. . . . .	.60	.25	10c
Fennel, sweet. . . . .	.85	.25	15c
Horehound. . . . .	2.50	.75	20c
Lavender. . . . .	1.40	.40	15c
Marjoram, sweet. . . . .	1.25	.40	20c
Rosemary. . . . .	3.00	1.00	35c
Sage. . . . .	1.75	.50	15c
Summer Savory. . . . .	2.00	.60	25c
Thyme. . . . .	2.75	.85	30c
Wormwood. . . . .	...	...	25c
Peppermint, per packet, 25c. . . . .	...	...	...
Holt Mammoth Sage, in plants only, per dozen, 65c. . . . .	...	...	...

# Flower Seeds

I have selected for these pages the best and most popular flowers. They are easy to grow, give a profusion of bloom and a glittering brilliancy of varied colors.

There are many other beautiful and useful flowers which may be grown, but these are the first choice and there are more listed than can be sown in one large flower garden.

Flower Seeds are 5c per Packet except where otherwise priced. We pay the Postage on all Flower Seeds.

**ASTERS**—Comet Giant Mixed—More like Chrysanthemums. Long wavy, twisted petals. Large flowers, rich colors. 18 inches. Packet 10c.

**AGERATUM**—Mexicanum Mixed (Floss Flower)—One of the best bedding plants, next to geraniums. Blooms continuously. Blue and white. 1½ feet.

**ALYSSUM**—Little Gem—Pure white; fragrant. For cutting and bedding. Very fine.

**ANTIRRHINUM**—Majus Mixed (Snapdragon)—Exceedingly bright and rich colors. Good house plant after finishes blooming all summer.

**BACHELOR'S BUTTON**—Showy annual of easy culture. Flowering freely with variety of color in common garden soil. Height 2 feet.

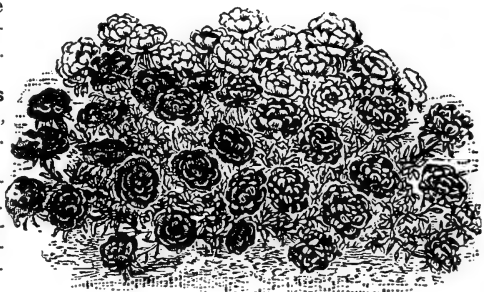
**BALSAM**—Double Rose Flowered Mixed—Resembles little roses. Fragrant. Very popular. About 18 inches.

**CARNATION**—Perennial Varieties—Carnations are general favorites for their delicious fragrance and richness of colors. Seeds sown in open ground in May or June will flower splendidly the next season. They are nearly everywhere hardy, but in cold situations should be protected by straw. The only Carnation that blooms the first season from seed is the new Giant Marguerite.

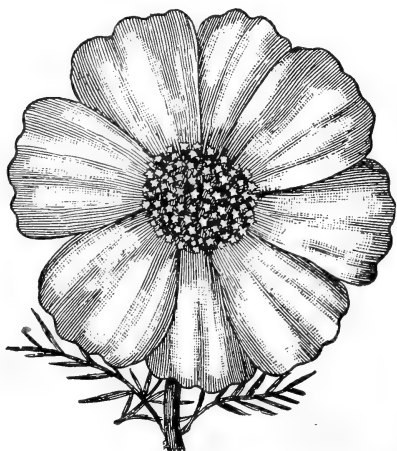
**CHRYSANTHEMUMS**—New and unique varieties. They are extremely variable, some are pure white, yellow or crimson, but the prevailing types are bronzy yellow, the florets tinged with red or lilac rose. Although mostly very double, there will be an occasionally semi-double, or even single, but these are almost equally charming. Finest mixed colors.

**CALLIOPSIS**—Superb Hybrids Mixed—Unlike other calliopsis this variety is a fine bedding plant as well as for bouquets. Very profuse bloomer. About 14 inches.

**COREOPSIS LANCEOLATA**—Flowers large, single, golden yellow. For generosity of bloom there is nothing to compare with it and it will bear cutting from better than any other plant; at the same time it is always graceful. It can be grown freely from seed, and does well when treated as an annual. Packet 10c.



Alyssum.



Calliopsis.

**CANDYTUFT**—Dwarf plants, flowering profusely throughout the whole season; great favorites for beds, edging, pots, borders, etc. Mixed annual sorts.

**CATCHFLY**—(Silence)—A showy, free flowering plant with bright, dense heads of flowers, growing well in common garden soil. Adapted for border, circular beds and ribbons. Height 18 inches; hardy annual.

**COSMOS**—The plant grows from four to six feet high, and is literally covered with large, single, Dahlia-like flowers, ranging through all shades of rose, purple, white, etc. Splendid for cutting; foliage feathery, mixed, pkt. 10c.



Candytuft.

**Stock**—Grows to a very large size; holds from four to ten gallons each, having hard, thick shells, which are very strong, but light and durable, lasting for many years. Pkt. 5c.

**DISH CLOTH, OR LUFFA**—The peculiar lining of this fruit, which is sponge-like, tough and durable, makes a natural dish cloth. The fruit grows about two feet in length and the vine is very ornamental. Pkt. 5c.

**GAILLARDIA**—Giant Hardy Hybrids—Rich, velvety colors. Excellent for cutting.

**ESCHSCHOLTZIA**—Mixed—(California Poppy.) Beautiful yellow. About 1 foot.

**HOLLYHOCK**—Allegheny Fringed Mixed—Very different from the ordinary old-fashioned Hollyhock. Blooms very early. Flowers very large, fringed and are produced the first year if seed is sown early. Pkt., 10c.

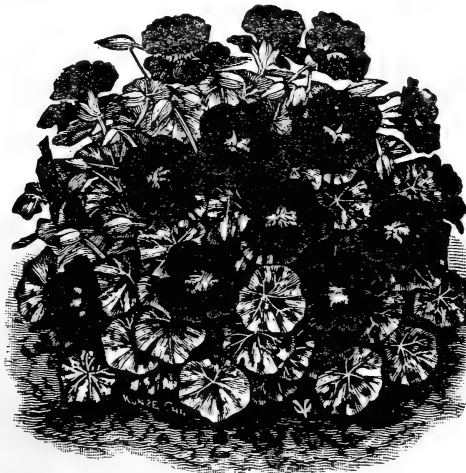
**HELIOTROPE**—Lemoine's Giant—Immense heads of fragrant bloom. Great improvement over the ordinary kind.

**LANTANA**—Hybrida—Well-known shrubby plants with clusters of verberna-like flowers and producing their pink, yellow, orange and white heads in great abundance. They have an agreeable aromatic perfume. Pkt., 5c.

**LARKSPUR**—Dwarf Rocket Mixed—The annual Delphinium. All colors. About 1 foot.

**MARIGOLD**—French Dwarf Mixed—This grand old flower is now coming again into great popularity. Excellent for bedding and blooms until late frost.

**MARVEL OF PERU**—(Four O'clock)—Mixed. A universal favorite. All colors.



Dwarf Nasturtium.



Cosmos.

**DAHLIAS**—Single Mixed—

The single Dahlias raised from seed are simply exquisite. They are very easily grown. Sow in a box indoors in February or March, transplanting to pots as the plants commence to crown and into the open ground when warm. **Everyone plant a packet of this seed this season.** Pkt., 10c.

**GOURD**—Nest Egg—Grows exact size, color and shape of an egg and makes a very good nest egg. Pkt., 5c.

**THE DIPPER**—When grown on the ground the stem will be curved, while if raised as a climbing vine, weight of the blossom end will cause stem to grow straight. Dippers of a capacity from a pint to a quart can be had from a few vines. Pkt., 5c.

**SUGAR TROUGH FOR SAP BUCKET**—Selected

Stock—Grows to a very large size; holds from four to ten gallons each, having hard, thick shells, which are very strong, but light and durable, lasting for many years. Pkt. 5c.

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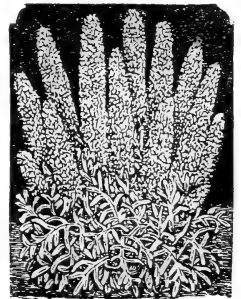
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Mignonette.

**MIGNONETTE**—Large Flowering Mixed—The most popular fragrant flower for the garden.

**NASTURTIUM**—One of the showiest and most popular annuals, forming compact plants; not over one foot high, making gorgeous masses of color from early summer until killed by frost; succeeding under all weathers and conditions, and unsurpassed for garden decorations. **Tom Thumb**, mixed many sorts, pkt. 5c; oz. 15c.

**Tall mixed**, many sorts, pkt. 5c; oz. 15c.

**Lobbs**—As easily grown as the common Tall Nasturtium, which they far surpass in brilliancy of their flowers, in height, rapid growth and freedom of bloom. Pkt., 5c; oz. 15c.

**IPOMEA—Grandiflora**—"The Moon Flower" or "Evening Glory". One of the grandest summer climbers grown, bearing immense pure white, fragrant flowers in great profusion, opening in the evening and remaining open until noon the following day, if cloudy, all day. Pkt., 5c.

**IPOMEA PURPUREA**—"Morning Glory"—The well known Morning Glories; splendid climbing plants; unequaled for rapidity of growth and profusion of bloom; annuals; attaining a height of 30 to 50 feet. Finest mixed, pkt, 5c.

**IPOMOPSIS—(Tree Cypress)**—Handsome plant, with a fine, feathery foliage, like Cypress Vine. It has long spikes of very beautiful, dazzling scarlet, fine spotted flowers. Pkt. 5c.

**JOB'S TEARS**—Curious ornamental grass from East India, with broad, corn-like leaves, and seeds of a light slate color, wonderfully lustrous. Valuable for the formation of winter bouquets in connection with everlasting flowers, and strings of handsome beads are formed from the seeds. Height 3 feet. Hardy annual. **Coix Lachrymae**, pkt. 5c.

#### PANSY

These lovely flowers are favorites with all, not only for the modest brilliancy and variety of their colors but for the durability of their bloom.

**TRIMARDEAU**—Very large flowered, mixed. An entirely distinct and beautiful race with flowers of the richest and most varied shades of colors. Plants of vigorous, compact growth. The flowers, which possess unusual substance and consistency, are each marked with three large blotches or spots.

Pansies. Odier, Cassier and Bugnot's.

Pansies. Giant Timaradeau.

Pansies. Germania Masterpiece.

Pansies. Non Plus Ultra.

Pansies. Trimardeau Parisian.



Pansy.



Poppy.

**PETUNIA** — Few, if any, plants are more deservedly popular than these for bedding purposes, green house or window culture. Produces showy flowers in profusion. Although perennial they flower in a few weeks from the seed.



Phlox.

#### PINKS.

Splendid, large flowers of the richest and most brilliant colors and markings; constantly in bloom from July till after severe frosts; the first and also the second year. No flower excels this genus for a brilliant show of colors through the summer. Height, 1 foot.

**DIANTHUS CHINENSIS**—Double China—Mixed, packet 5c;  $\frac{1}{4}$  oz., 15c; oz., 50c.

**DIANTHUS HEDDEWIGII**—Double Hedde-  
wigii—Mixed, packet, 5c; oz., \$1.

**DIANTHUS HEDDEWIGII**—Single, mixed, packet, 5c.

**DIANTHUS ALBUS FLORE PLENO**—Double White—Packet, 5c.

#### PHLOX.

No flower excels this in all the qualities that make a popular annual. Brilliant and varied colors, continuous and profuse bloom, being one of the last to succumb to the frosts of late October, it is excellent for bouquets, all combine to place it in the list of the best half dozen flowers for garden decoration. Height, 18 inches.

**PHLOX DRUMMONDII**—Mixed, packet 5c; oz. 60c.

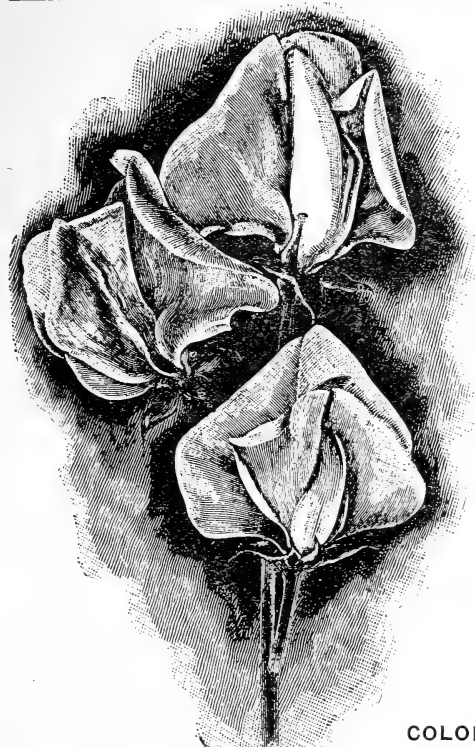
**PHLOX DRUMMONDII**—Grandiflora, large flowering, mixed, pkt. 10c; oz. 80c.

**PORTULACA**—Brilliant dwarf annuals, luxuriating in warm situations and blooming profusely from early summer to autumn. Height  $\frac{1}{4}$  ft.

Double Rose, mixed, per pkt., 10c.

Single, finest mixed, per pkt., 5c.



**SWEET PEAS***Beautiful, Fragrant, Fashionable*

Sowing should be made in a well-prepared ground as early as it can be worked. The plants should not, however, be sown two successive seasons on the same ground. It will be found a most excellent plan to make a trench about 6 inches deep, in which plant the seeds, covering at first to a depth of 2 inches; gradually draw in the soil as they advance in growth; this will greatly aid the plants to withstand our hot summers. Never allow them to run to seed, as once in the seed pod they are finished for the season. The more you cut, the greater the quantity of blooms they will produce.

**MIXTURES OF SWEET PEAS.**

**Adams' Mixture of the Latest Introductions**—This mixture met last season with the unstinted praise of our numerous customers. We have again carefully selected the varieties and added all the meritorious new ones to the mixture. The colors are mostly pink and white shades, with a sprinkling of the other colors to give it tone. Only the best of the large-flowering types have been used, and we claim this to be an **Extra Select Mixture**. Per large pkt., 5c; oz. 10c; ¼ lb., 25c; lb., 75c.

Of the named varieties I have selected the best bloomers and will please any lover of Sweet Peas.

**COLOR LIST.**

Dorothy Eckford,  
Sadie Burpee,  
Emily Henderson,  
Mont Blanc,  
Modesty,  
Queen Victoria,  
Stella Morse,  
Golden Rose,  
Prima Donna,  
Countess of Latham,  
Lovely,  
Hon. F. Bouvrie,  
Dainty,  
Janet Scott,  
Apple Blossom,  
Earliest of All,  
Ex Ea, Blanch Ferry,  
Jennie Gordon,  
Royal Rose,  
Miss Wilmot,  
Aurora,  
King William VII.,  
Salopian.  
Prince of Wales,  
Mrs. Dugdale,  
Sunset,  
Lord Rosenberry,  
Cocinea,  
Lady Hamilton,  
Admiration,  
Emily Eckford,  
Lottie Eckford,  
Countess of Cardogan,  
Duke of Westminster,  
Othello,  
Black Knight,

White, the largest and best.  
White, almost like the above.  
White, strong grower, free bloomer.  
White, medium size, early bloomer.  
White, pink at edges.  
Light pink and primrose.  
Buff, with tint of pink at edges.  
Primrose, striped and mottled.  
Pure pink, large, hooded.  
Cream pink, medium size, hooded.  
Deep blotch at base, shading to pink.  
Deep pink at base, light at edges.  
Pure white, edged with pink.  
Deep bright pink.  
Crimson pink, lighter at edges.  
Rose and light pink.  
Rose, wings tinged with pink.  
Deeper rose and pink.  
Crimson pink, deeper at mid rib.  
Orange pink, showing veins of rose.  
Orange rose, striped with white.  
Bright red or scarlet.  
Pure red, self-colored.  
Rose crimson, prolific bloomer.  
Crimson rose, large, hooded.  
Primrose striped, large, hooded.  
Magenta rose with veins of deeper shade  
Scarlet and crimson.  
Lavender with mauve shades.  
Light purple and mauve.  
Rose purple, changing to lilac.  
Standard white, shaded with lilac.  
Blue wings and purple.  
Clear purple.  
Violet and maroon.  
Deep maroon, veins almost black.

**SALVIA**—(*Salvia Splendens*)—The Salvia or Flowering Sage is a very ornamental plant, flowering in spikes and continuing in bloom in open ground until frost, when the plants can be removed to a green house and will continue in bloom a long time. This variety is of a dwarf habit. Height 1 foot. Pkt., 5c.

**SCABIOSA**—Summer plants suitable for the border, producing double flowers of great beauty and in a great variety of colors. Fine for bouquet. Large flowering double mixed.

**STOCKS** or **GILLIFLOWER**—These well-known favorites require no description; they are indispensable to all lovers of flowers, the "Stocks of today" are greatly superior to the old types, the flowers being much larger and extra double. Open ground, in ten weeks.

**SUNFLOWER**—Miniature—Of pyramidal growth. Covered with hundreds of small single orange flowers.



Salvia.



Petunia.

**VERBENA**—For garden beds or massing the Verbena is unrivaled, flowers of the most brilliant colors, blooming continually from spring until late in the autumn. Although perennials, these form luxuriant plants and bloom profusely the first season from seed. Dwarf mixed, pkt., 5c. American Mammoth, pkt. 15c.

**ZINNIA**—A very showy and brilliant annual of easy culture. Stands the heat of summer well, and succeeds in any common garden soil. Mixed colors. Pkt., 5c.

**SWEET WILLIAM**—Exceedingly beautiful and showy plants, producing an abundance of rich colored flowers throughout the season. These old-fashioned favorites thrive in any good garden soil and form fine clumps which last for years. H. P.

Finest mixed. The flowers of this variety are very beautiful.  $\frac{1}{4}$  oz., 15c; pkt., 5c.

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I have many Flower Seeds not listed. If others are wanted, don't fail to ask for them.

## SUMMER FLOWERING BULBS

I offer only the most popular sorts that are inexpensively and easily grown, require scarcely any care and make a showy and gorgeous display.



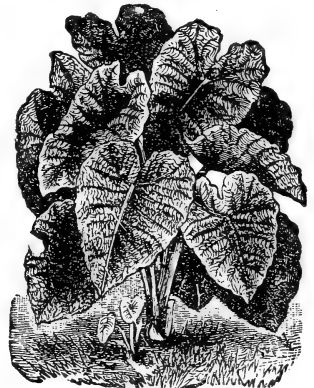
TUBEROUS ROOTED BEGONIAS.

**TUBEROUS BEGONIAS**—Bloom constantly during the summer. Desirable both for pots and beds. Flowers are large and brilliant. Bulbs  $1\frac{1}{4}$  inch and up in diameter. The following possess real merit: Crimson, Yellow, White, Scarlet, Pink and Orange. Each, 10c; doz., 75c.

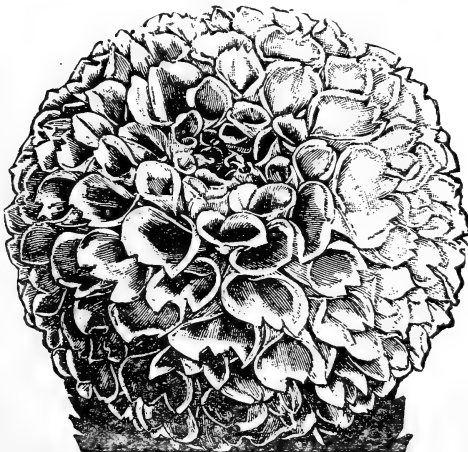
**CALADIUMS**—*Esulentum* (Elephant's Ear)—Unequaled as a foliage plant. The leaves are shield-shaped, bright green, often measuring 3 feet or more in length and breadth. Very imposing in appearance when developed. They need very rich soil and an abundance of water. 10c, 25c and 35c.

**CALLA LILIES**—Strong Bulbs—White Calla—The White Calla is a well-known plant of easy culture, and in winter is one of our best window plants. Price 15 and 25c.

**CANNAS**—Combining grand tropical foliage with large and brilliant flowers. The Canna is one of our most showy bedding plants. The large flowers and varied colors double their popularity. Each, 10c; doz., \$1.00.



Caladium.



Dahlia.

**DAHLIA**—Always a favorite for autumn flowering. The flowers are so symmetrical and perfect, and the range of color so large and varied that they will always be popular where display is wanted. Roots easily injured by frost. Set two feet apart. Tie to stakes. Assorted colors. Each, 10c; doz., \$1.00.

**SCARLET FREESIA**—A most charming bulbous-rooted plant for summer, blooming or pot culture. It bears brilliant carmine-crimson flowers, the lower petals marked with a dark spot. Always plant at least six in a pot or group, 1 or 2 inches deep. 20c per doz.



TUBEROSE (The Pearl.)

## TUBEROSES

One of the most charming and fragrant of our summer-flowering bulbs, throwing up large spikes of pure white double flowers which are very useful for decorative work. Plant in the open ground during May. By starting in pots during March a succession of bloom can be had all summer.

**EXCELSIOR PEARL BULBS**—First quality, per doz., 25c and 40c.

Crown Imperials. . . . .	Each	15c
Bleeding Hearts. . . . .	Each	15c
Paeonias, Double, all colors . . . . .	Each	25c
Hardy Sweet Violets . . . . .	Per Doz.	75c
Star of Bethlehem . . . . .	Per Doz.	50c
Iris, German. . . . .	Per Doz.	50c
Iris, Japan. . . . .	Per Doz.	\$2.00
Rudbeckia. . . . .	Per Doz.	1.00
Funkia, Day Lily, blue . . . . .	Per Doz.	1.00
Spirea Japonica, clumps. . . . .	Each	25c
Snowdrops, double. . . . .	Per Doz.	25c
Snowdrops, single. . . . .	Per Doz.	20c
Hardy Phlox. . . . .	Each	10c
Hardy Chrysanthemum Plants . . . . .	Each	10c
Gloxinia. . . . .	Each	10c
Hollyhocks, double, hardy . . . . .	Each	10c
Cape Hyacinths. . . . .	Each	5c
Honeysuckle. . . . .	Each	15c
Boston Ivy. . . . .	Each	25c
Clematis, Purple. . . . .	Each	35c
Clematis, White. . . . .	Each	25c
Lily of the Valley Pips. . . . .	Doz.	30c

## HARDY HYBRID ROSES

Hybrid Perpetual Roses are the most valuable for outdoor planting when a permanent bed is desired. They will do well almost anywhere, but should have a deep rich soil. A mulching of straw will greatly benefit them during the winter months.

I have listed only the choicest of the new and old varieties. Price, 25c each; \$2.50 per doz.

**ANNA DE DIESBACH**—Brilliant rose color; a vigorous grower and persistent bloomer.

**GENERAL JACQUEMINOT**—A rich crimson scarlet, simply a mass of blooms when at its best.

**CLIO**—Perfect in form; color delicate satin blush with a light shade of rosy pink in centre.

**COQUETTE DES ALPS**—Large finely formed flower; color pure white; profuse bloomer.

**JOHN HOPPER**—A beautiful dark pink.

**JUBILEE**—A very superior rose; color pure red shading to crimson and maroon at the base of petal, forming a coloring equalled by that of no other rose.

**MRS. J. H. LAING**—A grand free blooming Hybrid Perpetual, with fine flowers of soft delicate pink.

**PAUL NEYRON**—The largest flowered in cultivation and one of the most persistent bloomers; color deep clear rose, very fresh and attractive.

**PRINCE CAMILLE DE ROHAN**—One of the darkest colored roses; very dark velvety crimson changing to intense maroon.

**ULRICH BRUNNER**—Splendid upright grower, with bright healthy foliage; color cherry red, abundant bloomer.

**FRAU KARL DRUSCHKI**—A pure, paper white, free-flowering, large-sized Hybrid Perpetual. The bloom is perfect in form on fine, long stems, and of the richest possible white.



## TEA ROSES.

**AMERICAN BEAUTY**—The largest and best of all hardy roses; a genuine ever-blooming rose. Color, rich crimson; with wonderfully sweet fragrance.

**METEOR**—A remarkably fine rose; color very rich velvety crimson.

**HELEN GOULD**—A charming rose. Color rosy crimson. Flowers large and perfectly double.

**HERMOSA**—Beautiful clear rose; constant bloomer.

**MAMAM COCHET**—A beautiful snow white, sometimes tinged with the faintest suggestion of blush.

**LA FRANCE**—Delicate silvery rose shaded with cerise pink; very large double and of superb form.

## TEA ROSES—Continued

**C. SOUPERT**—A free blooming rose, commencing when but three or four inches high, and never being without bloom if kept in a healthy growing condition.

**GRUS AN TEPLITZ**—One of the brightest colored roses grown, dark rich crimson changing to fiery red. Blooms continually. Makes nice pot plants.

**KAISERIN AUGUSTA VICTORIA**—A beautiful rose with large pointed buds and very large full double flowers; color delicate creamy white; deliciously fragrant.

## RAMBLER ROSES

**CRIMSON**—Recognized as the most beautiful of climbing roses. Flowers are produced in large pyramidal clusters, thirty-five or forty in a cluster; nothing is more effective.

**PINK**—Resembles the Crimson Rambler except in color, which in this is a clear pink.

**WHITE**—Identical with Crimson Rambler except in color, which is pure, clear white.

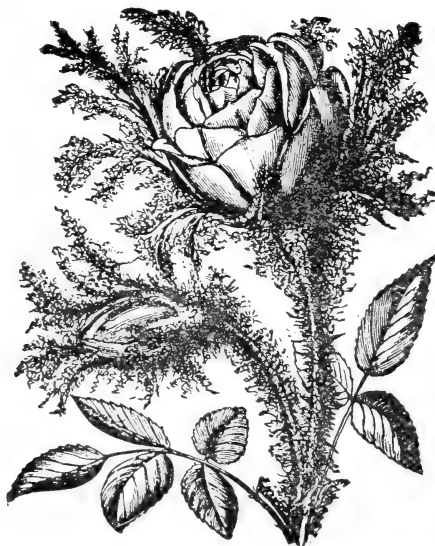
**YELLOW**—Similar to Crimson in style of growth, but individual flowers are larger and clusters smaller.

**PSYCHE**—A seedling from Crimson Rambler. Blooms in clusters of from eight to twenty-five flowers each, of a delicate rosy pink shade, suffused with salmon.

## MOSS ROSES

**COUNTESS OF MURINIAS**—Large pure white, beautifully mossed.

**HENRI MARTIN**—Large, globular flowers, full and sweet, rich, glossy pink, tinged with crimson.



**HARDY ORNAMENTAL SHRUBS**—Azaleas, Rhododendrons, Altheas, Calycanthus, Hydrangias, Lilacs, Spireas, Syringas, Tamarix, Snowballs, Weigelia, Berberry, Japan Quince, Desmodium, Xanthoceras, Exorcordia, Cal. Privet, etc.

**FRUIT TREES**—Cherries, Plums, Peaches, Apples, Pears, Apricot, Grape Vines, Berry Plants.

Remember me when purchasing your Christmas Trees and Holly.

# CLOVER AND GRASS SEEDS

Prices subject to fluctuation. Postage 8c per pound Extra.

Market prices on application.

Grass is one of the most important crops produced by the farmer, and its constant increasing value makes it desirable that only the best seed be used, as from it alone can satisfactory results be obtained, and to secure these results only well developed and well cleaned seed should be used.

To secure this class of seed I buy only the best selections and then re-clean them on the most modern machinery, making what is classed as choice or fancy seed, and in quoting you prices I will always quote on this grade.

As the price of grass seeds varies, if you want a quantity you had better ask for prices, when I will give you as low a price as the market will afford.

I especially call attention to my stocks of Alfalfa, Clover, Timothy and Kentucky Blue Grass, which are of especially high quality and are more used than other grasses.

**IF IN WANT OF FIELD SEEDS, WRITE FOR PRICES.**

**SAMPLES ON REQUEST.**

## CLOVER, TIMOTHY, MILLET AND GRASS SEEDS

Add 8c per pound for postage extra, when ordered by mail. Field Seed prices subject to change; market prices on application. ]

**RED CLOVER**—The most important and best known of all the Clovers, being used for hay, pasture and enriching the land and for the latter purpose is considered the cheapest fertilizer known.

For a rotation it always prepares the ground for the succeeding crop so that success is almost assured. Per lb. 20c; bu., \$9.00.

**MAMMOTH or SAPLING**—Grows much larger and lasts longer than the common red clover; is most valuable for plowing under and reclaiming exhausted lands. Good for thin soils. Lb. 20c; bu. \$9.00.

**ALFALFA CLOVER**—Every year adds to the popularity of this valuable forage crop, and the fact that it will produce double the forage of red clover in good years and in drouthy ones is often the salvation of the farmer, makes it the greatest acquisition of recent years. Its three or four crops of hay richer in protein than any other, will add more pounds to the fattening beef and more milk for the dairyman than will any other crop. Lb. 20c; bu. \$9.00.

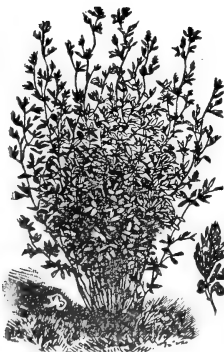


Red Clover.

**ALSIKE**—Or Swedish Clover—The heads are globular and very sweet and fragrant, and much liked by bees, who obtain a great amount of honey from it. It produces a great amount of herbage during the season; the stalks being very fine, it makes a valuable hay crop. It is suited to wet land and will produce a good crop where other clovers would fail. Sow 4 to 6 pounds to the acre. Price per lb., 20c; bu., \$9.00.

**WHITE**—It makes an excellent pasture for cattle and sheep, and is valuable for lawns. It will grow on almost any soil, but is best adapted for low moist lands. Should be included in all mixtures for lawns or permanent pasture. It is also valuable to prevent soil from washing. 1 lb., 25c; 10 lbs., \$2.00.

**HONEY or BEE CLOVER**—(Bokhara Sweet)—Highly recommended by experimental stations; especially adapted to bees. The honey from it being as clear as a crystal. It is also highly recommended as a fertilizer, to be turned under when green. It is a very quick, vigorous grower, and possesses superior qualities to most other clovers. Price, 1 lb., 25c, postpaid.



Alfalfa.

### DWARF ESSEX RAPE

Prices Subject to Market Change.

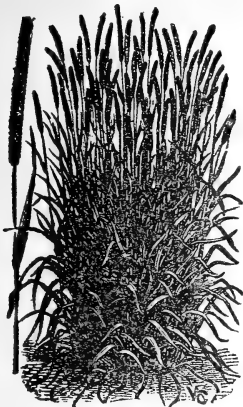
The demand for Dwarf Essex Rape is becoming so great that it is increasing many-fold each year. It is easily grown everywhere, and it always gives the best of satisfaction. As a forage plant for hogs, cattle or sheep it cannot be surpassed.

There is but one true variety, and that is English Grown, and we offer you the true stock. By freight or express, 1 lb. 10c; 10 lbs. 75c; 100 lbs. \$7.00.

If you have any difficulty in securing a stand of Clover or Alfalfa, try  
Nitro-Culture, it will pay you.



**TIMOTHY**—The most popular, nutritious and salable hay grass. There are better grasses for pasture, but none for hay. Grazing close injures the second year's growth. Fancy, per lb., 8c; per bu., \$2.50.



Timothy.

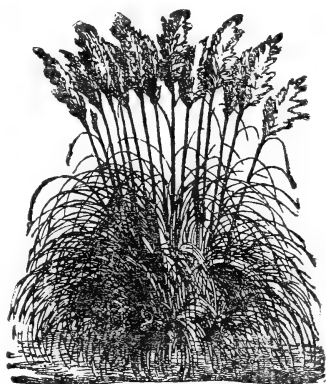
**KENTUCKY BLUE GRASS**, the Great American Grass—Old standard grass for pasture and lawns. Every farmer knows its value. Succeeds in nearly all soils, but best in limestone districts. Well known everywhere. Sow about 25 lbs. to 30 lbs. to the acre for meadow, and from 65 lbs. to 80 lbs. per acre for lawns. Put on plenty and avoid disappointment in your lawns. A top dressing of fine manure after sowing and in the fall and spring will be of great benefit. Fancy, clean seed. Per lb., 20c; per bu., \$2.00.

**ENGLISH BLUE GRASS**—(Meadow Fescue)—A valuable pasture grass. Its long and tender leaves are much relished by all kinds of stock. Cured like Timothy, yields a very superior quality of hay. It is one of the earliest in the spring and latest in the fall. Height, 18 to 24 inches. Price, 1 lb., 10c; bu., \$1.50.

**RED TOP**—Valuable for most soils. Good permanent grass. Stands our climate well and adapted to our pastures, in which it should be fed close as if allowed to go to seed, cattle refuse it. Grows best on moist rich soil. On gravelly soil grows lower. Has succeeded on Alkaii soils when other grasses failed. Fancy clean or hulled seed, sow 15 to 18 lbs. to the acre. Per lb., 15c; per bu., \$1.35.

**BERMUDA GRASS**—Peculiarly adapted to the Southern States. A delicate grass, valuable alike for pasture and hay crop. Grows on any soil. Oklahoma Experiment Station recommends it highly. It does well in south part of Kansas and Southern States generally. A dry weather grass, and is splendid to bind loose soils together. Propagate by division of the roots or sow the seed in amounts of five to six lbs. to the acre. Sow from April to June. Per lb., 60c.

**ENGLISH PERENNIAL RYE GRASS**—This grass is of as great value to Great Britain as Timothy is to this country. It is invaluable for permanent pastures, for hay, if cut when in blossom, and for lawn mixtures. Height 15 to 24 inches. By freight or express, 1 lb., 15c; bu. \$1.75.



Kentucky Blue Grass.

**ITALIAN RYE GRASS**—Similar to the English Rye Grass. Very nutritious and valuable for pastures, especially for early sheep feeding; also excellent for lawns. Height, 18 to 30 inches. Price, 1 lb., 10c.

**ORCHARD GRASS**—This is one of the most valuable and widely known of all pasture grasses, coming in the spring and remaining later in the autumn than any other; it grows about 2½ feet high and produces an immense quantity of leaves and foliage. It is well adapted for sowing under trees or orchards and very valuable either for grazing or for hay. Sow about 28 lbs. per acre. 1 lb., 15c; bu., \$2.00.

**TALL MEADOW OAT GRASS**—(14 lbs. per bu.)—This grass should be given the trial its merit deserves. It is a luxuriant grower for early and late permanent pasture. For hay it may be cut twice a year and for green soiling it may be cut four or five times in favorable seasons. It is very hardy, and withstands extreme drought and heat and cold. Height, 2 to 4 feet. Price, 1 lb., 20c.



English Blue Grass.

## **FIELD PEAS**

### **SOUTHERN COW PEAS.**

Field Peas are largely grown in the Southern States, both as a hay crop and as a fertilizer, in which respect they are of great value. The peas may be sown in corn at the time of last cultivation, or after a crop of early potatoes. They may be sown broadcast at the rate of one and one-half bushels per acre, or they can be planted in rows about three feet apart with a corn planter. This will require only one-half bushel of seed per acre. The cow peas, by their rapid, rank growth, keep down weeds and put soil in good, friable condition for the next year's crop, increasing the fertility of the soil to a remarkable extent. The vines furnish an excellent green food for milch cows until frost, or they may be cut and cured for hay; or a very profitable way to dispose of the crop is to turn hogs into the field at the time that the first peas are ripening. They readily eat the foliage and well filled pods, and thrive amazingly. Or the entire crop may be plowed under as a green manure.

**NEW ERA**—An early variety, probably the best sort for the North and West. Can be sown after wheat is taken off the ground and still produce a good crop of forage or peas, besides increasing the fertility of the soil for the succeeding crop and leaving the ground mellow and clean from weeds.

Prices: By mail, postpaid, lb. 20c, 2 lbs. 30c. By express or freight, qt. 15c, peck 70c; bu. (60 lbs.) \$2.50.

**WHIP-POOR-WILL**—A favorite in Oklahoma, Texas and the South generally. A vigorous, healthy grower, yielding abundant crops of forage and grain.

Prices: By mail, postpaid, lb. 20c, 2 lbs. 40c. By express or freight, qt. 15c, peck 70c, bu. (60 lbs.) \$2.50.

**CANADA FIELD PEAS**—For dairy cows and hogs they are equal to corn, and six weeks earlier. They should be sown early in April with oats, using two bushels of oats and two bushels of the peas per acre. The peas should be sown first and plowed under to a depth of about four inches, then sow and harrow in the oats. They will be ready to cut in July. As a fertilizer they come next to clover, and will grow on land that will not produce clover. Peck, 65c, bu. \$1.75, by express or freight.

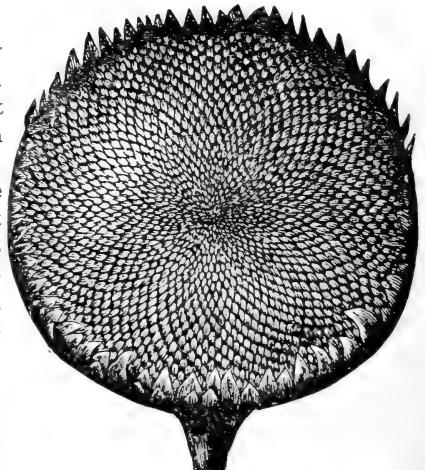
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## **MAMMOTH RUSSIAN SUNFLOWER**

Unequaled as a Food for Poultry.

Mammoth Russian Sunflower produces very large heads, often twenty inches across, which are completely filled with the striped grains. It succeeds everywhere, and requires but little rain to insure a crop. It makes an enormous yield of seed. It is a good food for stock and cannot be equaled as a food for poultry, being the greatest egg producing food known. The heavy stalks make good fuel. The plant, when growing, is also said to be a protection from malaria. Plant when the ground becomes warm at the rate of two pounds per acre.

**MAMMOTH RUSSIAN**—The best in all respects for a farm crop. Price by mail, postpaid, lb. 20c; by express or freight, lb. 10c, 10 lbs. 75c, 25 lbs. or more at 6c per lb.



Sunflower.

**MILLETS** (50 lbs. per Bu.)

The several varieties will furnish food for live stock in the form of grain, fodder or pasture. Especially valuable in seasons when the hay crop is short. They make the best hay if cut when in blossom and carefully cured.

**COMMON**—Requires a dry, light, rich soil, and grows 2½ to 4 feet high, with a fine bulk of straw and leaves, and is excellent forage. Choice. Price: 1 lb. 35c; postpaid. By freight or express, 1 lb. 10c; 10 lbs. 35c; bu. 90c; 100 lbs. \$1.75.

**GERMAN**—It is usually given preference by those who use Millets over the common variety and Hungarian. It is a strong grower and will yield enormous crops of the finest hay, and should be cut before the seeds will harden. Can be sown late after some early crop, and if sown early will mature in time for the ground to be plowed for wheat, and it leaves the ground in fine shape for this purpose. For grain, sow in drills not later than June 20th. Fancy. Price: 1 lb. 20c; postpaid. By freight or express; 1 lb. 10c; 10 lbs. 50c; bu. 90c; 100 lbs. \$1.75.

**HUNGARIAN**—Commonly called Hungarian Grass. A quick-growing, valuable forage plant. May be sown at any time during the summer up to the middle of August. It has a long slender head, and is darker in color than the German. Price: 1 lb. 20c; postpaid. By freight or express: 1 lb. 10c; 10 lbs. 40c; bu. 90c; 100 lbs. \$1.75.

**CANE**

Price Subject to Market Change.

**EARLY AMBER**—Farmers and stockmen say that Early Amber Cane is the most valuable fodder plant in existence. Not only is it adapted for feeding purposes, but its great qualities as a Sorghum producer is one of a paying investment, and has attracted general attention everywhere. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and is but little affected by drouth. By freight or express, 1 lb. 10c; 10 lbs. 30c; 25 lbs. 65c; 100 lbs. \$1.75.

**EARLY ORANGE**—A variety well adapted for the South. It is from eight to ten days later than the Early Amber and produces a syrup of excellent quality. 1 lb. 20c; postpaid. By freight or express, 1 lb. 10c; 10 lbs. 40c; 25 lbs. 75c; 100 lbs. \$1.75.

**NON-SACCHARINE**

**RED OR WHITE KAFFIR CORN**—Grows low, stock perfectly erect, the foliage is wide, alternating closely on either side of the stalk. It does not stool from the root, but branches from the top joints, producing from two to four heads of grain from each stalk. On very thin and worn lands it yields paying crops of grain and forage even in dry seasons, in which corn has utterly failed on the same lands. If cut down to the ground two or more shoots spring from the root, and the growth is thus maintained until checked by frost. Lb. 5c; per 100 lbs. \$1.35.

Also,

African Millet, per lb. 10c; per 100 lbs. \$4.00.

Yellow Milo Maize, per lb. 10c; per 100 lbs. \$2.50.

Jerusalem Corn, per lb. 10c; per 100 lbs. \$4.00.

**BROOM CORN**

Broom Corn will succeed in any good corn soil and will make a crop with little rain. Besides the brush, it will produce a large yield of grain equal in feeding value to oats. Three pounds of seed are required for an acre when drilled in rows three feet apart.

**IMPROVED EVERGREEN**—A favorite in Kansas, Nebraska and Missouri. Grows to a good length, and if cut at the proper time retains a good color. Price by mail, lb. 15c; by express or freight, peck, 35c; bu. \$1.00; per 100 lbs. \$2.00.

**DWARF BROOM CORN**—This variety grows only three or four feet high, and is much easier handled than the tall growing sorts. The brush is straight, smooth and of good quality. Price by mail, lb. 20c; by express or freight, peck, 40c; bu. \$1.50; per 100 lbs. \$3.00.



## SELECTED GRADED SEED CORN

The deep interest now taken by the farmer in securing the highest quality of Seed Corn has enthused new life in the professional Seed Grower and my growers have not lagged behind but have produced this year a very choice lot of Seed Corn.

When you know that an expenditure of 20 cents per acre will add to your crop at least five bushels of corn you will not be wise to your own interest if you do not at least make a start with new seed.

I am in better position this year to furnish you the best selected and graded Seed Corn and I know that you will never regret if you try it.

**PRIDE OF THE NORTH—90 Days—**An early yellow Dent Corn, maturing in this climate in 90 days. An excellent corn for stock and is quite prolific, very often yielding two ears to the stalk. Deep, soft grain and small red cob. Pk., 35c; bu., \$1.25.

**ECLIPSE CORN—90 Days—**This is one of the earliest and most prolific yellow corns ever introduced. The ear is a bright golden color, medium size, cob small, red, deep grain, and will mature in 90 days. Pk., 35c; bu., \$1.25.

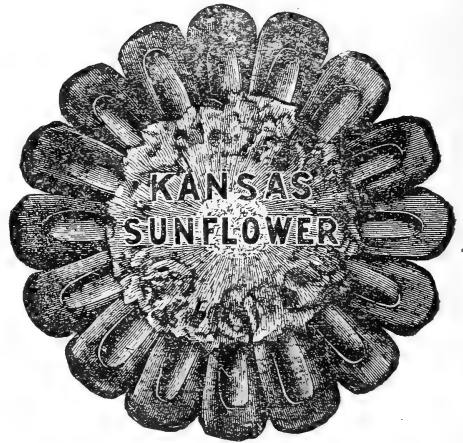
**IMPROVED LEAMING—90 Days—**This is one of the earliest yellow Dent Corns in cultivation, ripening in from 90 to 100 days from planting, surpassing the Yellow Canada and Flint varieties in earliness, productiveness and quality. The ears are large and of an orange yellow color and small red cob; generally producing two good ears each, and husks and shells very easy. Pk., 35c; bu., \$1.25.

**KANSAS SUNFLOWER CORN—90 Days—**This is the largest Early Yellow Corn we know of, ears averaging one foot in length and about 2 inches in diameter, weighing one pound and upwards. The ears are uniform in size and shape, and of a fine golden color. It is early, maturing in ninety days. Stalks grow about eight feet high, are very leafy and furnish large quantity of fodder. We can recommend it highly to anybody who wants a large early yellow corn. Pk., 40c; bu., \$1.25.

**IOWA GOLD MINE—90 Days—**Is very early; ripening only a few days later than Pride of the North; golden yellow; grain very deep; cob small. Will make excellent early crop, or will mature if planted after wheat is cut or early potatoes dug. Pk., 35c; bu., \$1.25.

**GOLDEN BEAUTY—100 Days—**This variety is a very large grained and handsome yellow corn. The ears are of perfect shape, with from ten to fourteen straight rows of brightest golden yellow with grains of remarkable size, small cob, filled out completely to the extreme end. The richness of color and fine quality of grain make it very superior for grinding into meal. Pk., 35c; bu., \$1.25.

**LAFAYETTE—**A very large deep grained yellow corn, ears being from ten to thirteen inches long, and well filled to the tip, grains very long and of good width, and in point of yield I know no other that will compare with it. Price: Pk., 60c; half bu., \$1.00; bu., \$1.75.



**ADAMS GOLD BOND**—Stalk grows from seven to nine feet; ears midway, and are from seven to eight inches long and two and one-half thick and filled with grain from butt to tip, grain very long and of medium width, cob red and small for the size of ear, color a bright yellow and one of the most productive field corns in existence. Every farmer should try it. Price: Pk., 60c; half bu., \$1.00; bu., \$1.75.

**CHAMPION WHITE PEARL**—An extra early, pure white variety of the Dent family; very productive and exceedingly heavy, maturing in 85 to 90 days from the time of planting. The grain is extra deep and wide, two of which will more than span the cob, which is very small. Pk., 35c; bu., \$1.25.

**IOWA SILVER MINE**—White—Stalks grow to a height of about seven or eight feet and set the ears about three and one-half or four feet from the ground. Ears ten to twelve inches in length, weighing one and one-half pounds; uniform in size and shape, with pure white kernels set on a small white cob, and are well-filled out over the tip. It is early, maturing in 95 days. Seventy pounds of corn in the ear will make 60 pounds shelled. It is hardy, a great drouth resister, and, summing it all up, the acme of perfection. Pk., 35c; bu., \$1.25.



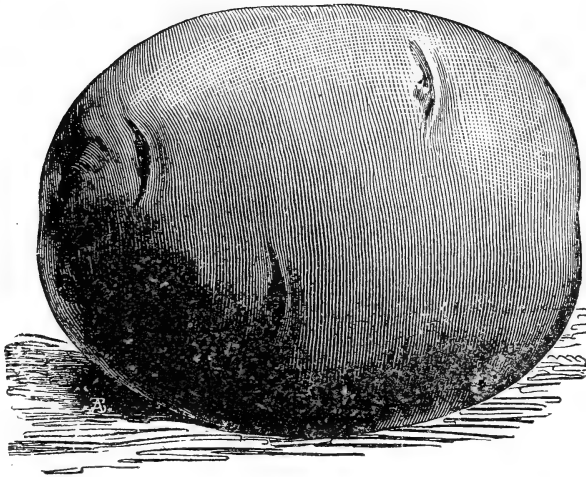
**HICKORY KING**—100 Days—The cob is so small and the grain is so large that when an ear is broken in half one grain will cover the entire end of the cob. Nearly all of the stalks bear two ears and we consider it one of the best white corns grown. It ripens in from 100 to 110 days from time of planting. Price per pk., 40c; per bu., \$1.50.

**POPCORN**—White Pearl—Our common market variety. Lb., 10c; 10 lbs., 50c.

**WHITE RICE**—A very handsome variety; kernels long, pointed, and resembling rice; color white; very prolific. Per lb., 10c; 10 lbs., 75c.

**QUEEN'S GOLDEN**—The stalks grow six feet high, and the large ears are produced in abundance. It pops perfectly white, and a single kernel will expand to a diameter of one inch. Per lb., 10c; 10 lbs., 75c.

## SEED POTATOES



Red River Ohio.

**RED RIVER OHIO**—This potato is grown in the Red River Valley and well pays for the difference in price of it and the native Ohio, and after once having planted them, you will plant no other. Bu., \$1.25.

**TRUE EARLY ROSE** — The Early Rose is a standard early potato and is so well known as to need no description. We are prepared to sell fine northern grown selected stock. Bu., \$1.10.

**WHITE STAR** — This variety is one of the most profitable sorts to grow for the market. Whether baked or boiled its purity of color, fine floury texture and delicate flavor are very attractive and prolific in yield. It is medium early. Color pure white, and remarkable for fine keeping qualities. Bu., \$1.00.

**EARLY SIX WEEKS** — The Six Weeks is evidently a seedling from Ohio, which it closely resembles in every way, but is earlier, makes taller stalks and appears to yield better on upland than that variety. It is well described as growing tubers grow close together in the hill. The potatoes grow so rapidly that under favorable circumstances they are fit for table use in six weeks from the time of planting, and mature between ten and eleven weeks. It revels in moist land. Bu., \$1.00.

**BURBANK'S SEEDLING**—White skinned, few eyes, fine grained flesh, dry and floury when cooked; very productive, ripening between the early and late varieties. Bu., \$1.00.

**BEAUTY OF HEBRON**—This is undoubtedly one of the best of the medium varieties. In most sections it proves earlier than the Early Rose, fully as vigorous and very productive. Tubers similar in shape to the Early Rose, but shorter; tinged with pink at first, but becomes pure white during winter. Bu., \$1.10.

**TRIUMPH**—Red River Stock. This potato is much sought after on account of its productiveness, fine quality and beautiful appearance which makes it one of the best early market varieties, especially for the south, from which they are shipped to northern markets, bringing the highest prices. Pk., 50c; bu., \$1.25.

## SWEET POTATOES

Prices subject to change.

Yellow Nansemond, standard variety for main crop.....	per bu.	\$1.50
Red Nansemond, like above except skin is red.....	per bu.	2.00
Jersey Yellow, shorter and thicker than Nansemond.....	per bu.	1.50
Golden Queen, an early variety of large size.....	per bu.	2.00
White Brazilian, a long white potato, very handsome.....	per bu.	2.50
Southern Queen, a large early potato.....	per bu.	2.00
Red Bermuda, a large early potato.....	per bu.	2.00

SWEET POTATO PLANTS, \$2.00 per 1,000.

## SEED GRAIN

### WHEAT.

**RED FULTZ**—A smooth, red chaff wheat, a good yielder and suited to any kind of land. Per bu., \$1.25.

**MEDITERRANEAN HYBRID WINTER**—It has proven extremely hardy and very prolific and has been pronounced by the best judges to be very superior for flour. It has the beard and blue straw of the Mediterranean, and thick set, compact head and plump berry of the Deihl, with stiff, long straw. Per bu., \$1.25.

**MACARONI WHEAT "KUBANKA"**—A wheat used for making macaroni. A wheat that will grow where others fail. A variety that contains a great per cent of gluten. Per bu., \$1.25.

**RUSSIAN HARD WHEAT**—Bu., \$1.25.

### OATS.

**RED RUST PROOF OATS**—Very early, rust proof, does well on thin ground and does not lodge, will bear neglect or a bad season and still make a crop. 1 bu., sacked, 65c; 5 bushels, 60c per bu. Ask for prices on large lots.

**WHITE BONANZA**—One of the finest varieties in cultivation and yields extraordinary crop; very early, stiff straw, grows four feet high; heads remarkably heavy; grain short and plump, resembling barley in shape, and has never rusted or fallen down on the richest soil; weighs from 35 to 40 lbs. per level bushel. Per bu., 65c; five bushels, 60c per bu.

**BUCKWHEAT**—Japanese, per bu., \$1.50; Silver Hull, per bu., \$1.50; Common, per bu., \$1.50.

**SEED RYE**—Rye does best on rich sandy soil, almost a sure crop every year; should be sown in August or September, either in drills or broadcast, at the rate of one to one and a half bushels per acre; is raised both for pasture and grain. Per bu. (56 lbs.), 90c.

## NITRO-CULTURE

### NATURE'S GREAT FERTILIZER.

All leguminous crops, such as Alfalfa, the Clovers, Peas, Beans, Vetch, etc., require the presence of small germs on their roots in order to make their best growth. These come in the shape of small nodules which draw free nitrogen from the air and feed the plant, besides enriching the soil.

**What it Will Do**—It will enable the seed sown to make a good stand, and can be used to make a thin stand thicker; will start a field of sickly alfalfa or clover to growing vigorously, makes the inoculated crop big and the following crops bigger.

Don't fail to get quick returns from Nitro-Culture by inoculating your peas, beans, peanuts or Soy beans.

### PRICE LIST:

Each leguminous crop requires a special bacteria. In ordering name the kind of seed you wish to inoculate. Full instructions with every package.

We are ready to supply you with Nitro-Cultures for the following crops, cash to accompany order.

Alfalfa, Uninoculated.	Alfalfa, per acre. . . . .	\$1.50
Inoculated.	Red Clover, per acre. . . . .	1.50
	Crimson Clover, per acre. . . . .	1.50
	White Clover or Alsike, per acre. . . . .	1.50
Garden Peas, one-half acre. . . . .		.75
Sweet Peas, one-half acre. . . . .		.75
Cow Peas, one acre. . . . .		1.50
Garden Beans—String, Kidney, Lima and Navy. . . . .		1.50
Five acre packages . . . . .		5.00



Alfalfa.

In the limited space that I can devote to the merits of poultry and stock foods and remedies I can only say that the up-to-date poultry raiser, fancier, farmer or dairyman fully recognizes the importance of specially prepared foods—that his fowls may be good egg producers and have a fine appearance—that his dairy may produce the proper quantity and quality of milk, and finally that the returns may be satisfactory.

From the many foods and remedies offered I have selected those that have uniformly given entire satisfaction, and when used as directed will increase your sales and profits.

**COARSE POULTRY BONE**—Consists of ground beef bone dried and free from grease; rich in Bone Phosphate of Lime; shell maker and bone builder. Price: 1 lb., 5c; 6 lbs., 25c; 100 lbs., \$2.00

**FINE GROUND BONE**—Same as above but ground finer for little chicks. Price as above.

**MEAT MEAL**—Made from cooked beef scraps, thoroughly dried and ground. Especially useful

for fattening poultry for market. Price: 1 lb., 5c; 6 lbs., 25c; 100 lbs., \$2.25.

**FINE GROUND DRIED BLOOD**—A highly concentrated food for hens. Makes them lay more eggs—in fact keeps them busy all the year round. A great help during the moulting season. Should always be mixed with other foods in the proportion of 15 to 1. Price: 1 lb., 5c; 6 lbs., 25c; 100 lbs., \$3.00.

**BEEF SCRAPS**—Especially prepared for poultry food; feed three times a week, about a tablespoonful to each bird. Price: 5 lbs., 25c; 10 lbs., 40c; 100 lbs., \$3.50.

**OYSTER SHELL GRIT**—Shell former; 100 lbs., 65c; 500 lbs., \$6.00.

**MICA CRYSTAL GRIT**—Digerster and tonic. 100 lbs., 85c; 500 lbs., 80c per 100.

**CYPHER'S POULTRY FOOD.**

Scientifically compounded for young chicks, laying hens and fattening fowls.

- CYPHERS CHICK FOOD—For growing chicks, per 100 lbs.....\$2.50
- CYPHERS LAYING FOOD—For laying hens, per 100 lbs..... 2.00
- CYPHERS SCRATCHING FOOD—For laying hens, per 100 lbs..... 2.00
- OIL CAKE, ground, per 100 lbs. .... 1.75
- OIL CAKE, ground, in 1000 lb. lots. .... 1.70
- FLAX SEED MEAL, per lb., 5c; per 100 lbs..... 4.00

**CHARCOAL (Granulated)**—An excellent corrective for the fowls, and keeps them healthy.

- 1 lb. .... 10c
- 3 lbs. .... 25c
- 5 lbs. .... 35c
- 100 lbs. .... \$4.50

**CREMOLINE**

- Cholera Cure, 8 oz. bottle.....50 cents
- Germoside, 2 qts. ....\$1.00
- Germoside, 1 gal. .... 1.50





**PRATT'S FOODS AND REMEDIES**

Pratt's Poultry and Animal Foods are well known and much used, but there are many that have never tried them that could use them to advantage, and from them I solicit a trial order. I have in stock



Pratt's Horse and Cattle Food, 7 lb. pkg. ....	50 cent size
Pratt's Horse and Cattle Food, 12 lb. bag.....	75c
Pratt's Horse and Cattle Food, 25 lb. bag.....	\$1.25
Pratt's Horse and Cattle Food, 100 lb. bag.....	4.50
Pratt's Poultry Food. . . . .	25 cent size
Pratt's Poultry Food. . . . .	60 cent size
Pratt's Animal Regulator. . . . .	25 cent size
Pratt's Animal Regulator. . . . .	50 cent size
Pratt's Heave Cure. . . . .	50 cent size
Pratt's Lice Killer. . . . .	25 cent size
Pratt's Fever Powder. . . . .	50 cent size
Pratt's Worm Powders. . . . .	50 cent size
Pratt's Healing Ointment. . . . .	25 cent size
Pratt's Healing Ointment. . . . .	50 cent size
Pratt's Veterinary Liniment. . . . .	50 cent size

**LEE'S POULTRY REMEDIES AND EGG MAKER**

Given entire satisfaction; try them.

Lee's Lice Killer, qts. . . . .	35 cents
Lee's Lice Killer, half gal. . . . .	60 cents
Lee's Lice Killer, gal. . . . .	\$1.00
Lee's Egg Maker. . . . .	25 cent size
Lee's Egg Maker, 25 lb. pails. . . . .	\$2.00
Lee's Insect Powder. . . . .	25 cent size
Lee's Germizone, 12 oz. bottles. . . . .	50c
Lee's Worm Powder. . . . .	25c

## INSECTICIDES AND FERTILIZERS



**HAMMOND'S SLUG SHOT**—To destroy potato bugs, rose lice and pests on tomato and egg plants, currant worms, cabbage lice and worms, flea beetles, melon bugs, canker worms and caterpillars on fruit and ornamental trees. Single lb., 10c; 5 lb. package, 35c; 100 lb. package, \$5.00. Printed instructions on every 5 lb. package.

**BORDEAUX MIXTURE**—Prevents black rot, mildew and rust. Destroys fungus growth on vegetables. I quart can, 50c; gal. \$1.50.

**KEROSENE EMULSION**—To kill Hairy Caterpillars, 1 qt., 50c.

**HELLEBORE**— $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

**LONDON PURPLE**—1 lb. to 200 or 300 gallons of water.  $\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c.

**PARIS GREEN**—1 lb. to 200 or 300 gallons of water.  $\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c.

**TOBACCO DUST**—5 lbs., 25c; 100 lbs., \$3.50.

**WHALE OIL SOAP**—Makes an elegant wash for trees and plants where insects and eggs affect the bark.  $\frac{1}{4}$  lb. box, 10c;  $\frac{1}{2}$  lb., 15c.

**SULPHO TOBACCO SOAP**—3 oz. cake, 10c; 8 oz., 20c. Not postpaid. If by mail add 1c oz.

## FERTILIZERS

	100 lbs	500 lbs
Land Plaster or Gypsum. . . . .	\$1.00	\$ 3.75
Nitrate of Soda. . . . .	4.50	20.00
Pure Bone Meal. . . . .	2.50	10.00
Odorless Blood Meal. . . . .	3.00	13.00
Truckers' Fertilizers. . . . .	1.25	5.75
Bone Dust. . . . .	2.50	10.00
	25 lbs	50 lbs
Special Lawn Fertilizer. . . . .	\$1.00	\$1.50
		100 lbs
		$\frac{1}{2}$ lb
		1 lb
Bowker's Plant Food. . . . .	\$0.20	\$0.35



## THE LEE SPRAY PUMP

In the Lee Spray Pump I offer something new and in its patented features overcomes two serious objections to other sprayers; namely, inability to make a vertical spray, and the fact that the pumps could not be laid down without leaking; these objections are overcome as follows:

1st. The partition in the front of container tank permits a continuous upward spray as well as horizontal or downward, and also enables you to spray out the entire contents of the container.

2nd. The band or brace that passes around the barrel and container forms a square stand so that the liquid will not run out when the pump is laid down.

It is especially adapted for spraying Lice Killer into the cracks and crevices of your poultry house, and for spraying bushes, plants, shrubbery and potato vines.

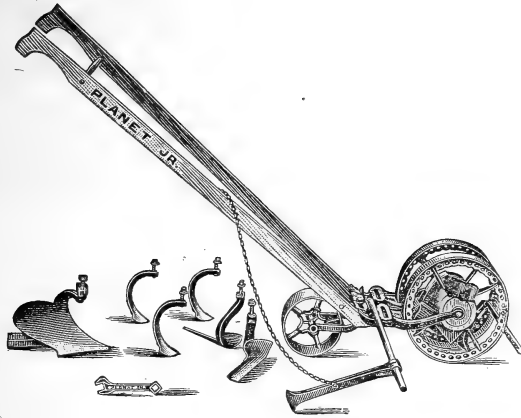
Every poultryman and farmer should have one. Price, 50c.

## PLANET JR. FARM AND GARDEN TOOLS

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

**ON RECEIPT OF THESE PRICES BELOW, WE WILL DELIVER ANY OF THESE "PLANET JR." TOOLS, FREIGHT PREPAID TO YOUR RAILROAD STATION. NO. 1, COMBINED DRILL SEEDER WHEEL HOE CULTIVATOR AND PLOW. Price, \$9.50. A pair of 5-tooth rakes supplied when specially ordered. Price 50c.**

This has long been the most popular combined tool made. As a seed sower it is the same as No. 2 Drill Seeder, but smaller. From a drill it is changed to its other uses by removing two bolts, when hoes, etc., can be quickly attached. It is an excellent seed sower, a first-class double or single wheel hoe, an excellent furrower, an admirable



No. 1.

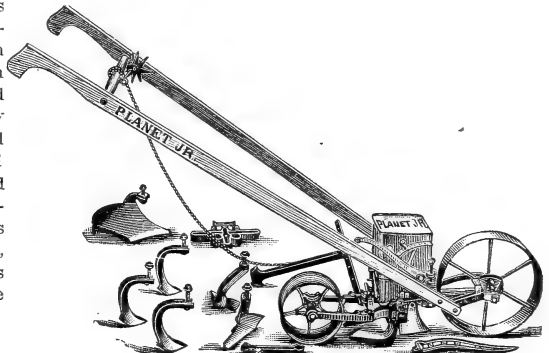
wheel cultivator, and a rapid and efficient garden plow. It is a practical, every-day time and labor-saver, and a grand remedy for backache.

### NO. 3 HILL AND DRILL SEEDER. Price, \$10.50.

This is the same tool as the No. 5 seeder and just as good, except that it is smaller in size. The hopper holds three quarts; 15-inch patent steel driving wheel, with broad face, which makes the drill run easily, even when full. The quantity of seed is regulated by an accurate index, conveniently placed at the top of the handle, and carefully graduated for either hill dropping or drilling. The flow of seed is started or stopped by a single movement of the forefinger. The roller is broad and hollow faced, leaving a wide, smooth track for the wheel hoe. It is extremely simple, and will not injure the most delicate seed.

### NO. 5 HILL AND DRILL SEEDER. Price, \$13.00.

This Seeder is the same tool as the No. 3, except that it is larger in size.



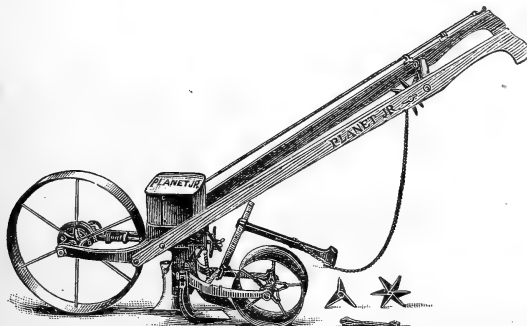
No. 4.

### NO. 4 COMBINED HILL AND DRILL SEEDER, SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

Combines in a single implement a capital hill-dropping seeder, perfect drill seeder, single wheel hoe, cultivator and a hoe. Holds two quarts and as a seeder is like the No. 5, sowing in continuous rows, or dropping in distances at five different distances. Thrown out of gear by simply raising the handles. Index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. With this one implement the small farmer can do practically all the work in his small crop.

A set of these rakes supplied when specially ordered. Price \$1 extra.

Price, complete, \$10.50. As a drill, only \$8.50.



No. 3.

## No. 6 PLANET JR.

**Combined Hill and Drill Seeder, Wheel Hoe Cultivator and Plow.**

This latest Planet Jr. Hill and Drill Seeder and Wheel Hoe has been under construction for two years past, and has been held back until every detail has been made as nearly perfect as it seems possible to have it.

We have been making Hill Seeders for a number of years past and they have been received and used with a great deal of satisfaction. This is easily accounted for, as about one-half of our garden seeds are preferred in hills. Hill seeding can be done just as rapidly as drilling; much seed is saved and the crop is more regular, and uniformity is one of the prime conditions necessary to produce a large yield.

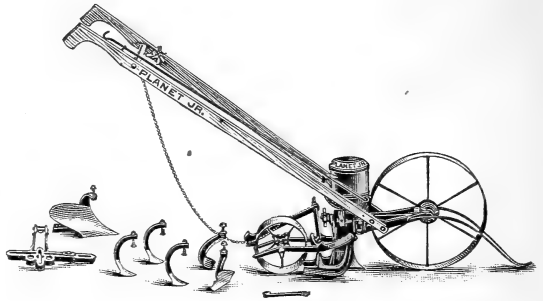
The Combination is the best and most useful we have ever offered, but we sell the Seeder and Wheel Hoe, etc., separately, as given below.

No. 6 Planet Jr. Combined Hill and Drill Seeder, Hoe, Cultivator and Plow. Packed weight, 58 lbs. Price, \$13.50.

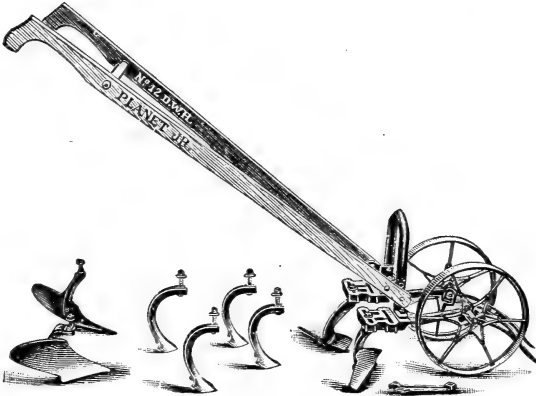
No. 6 Planet Jr. Hill and Drill Seeder. Packed weight, 50 lbs. Price, \$11.00.

No. 6 Planet Jr. Drill Seeder. Packed weight, 50 lbs. Price, \$9.50.

No. 6 Planet Jr. Single Wheel Hoe, Cultivator and Plow. Packed weight, 33 lbs. Price, \$6.25.



## No. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW.



The number of different kinds of work done by this one tool is marvelous; and all are done in the most perfect manner. The teeth are changed with the greatest ease and quickness, without taking the nuts from the standards. The wheels may be set at four different distances apart; the frame at three heights. The handles are adjustable in height to suit man or boy. For rapid and perfect work the most money-making tool a farmer can own. Price, \$7.00.

No. 13. This tool is the No. 12, with pair six inch Scuffle Hoes only, these being the most useful form of low priced Cultivator. Price, \$4.75.

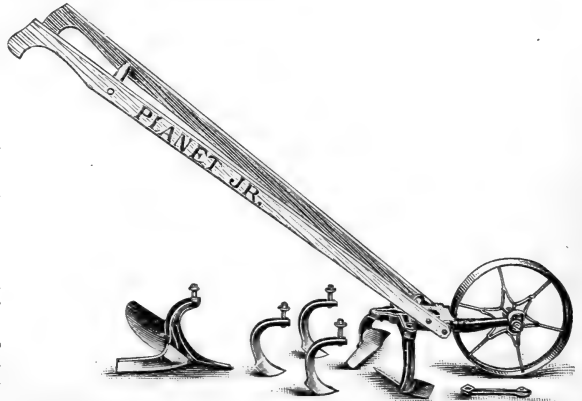
## "PLANET JR." No. 17 SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

Price, \$5.00.

This latest and best single wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel with broad face; it very light, strong and easy running. It has adjustable handles and quick-change frame. The tools are a well-shaped plow for marking out, plowing, covering and late cultivation; a pair of 6-inch shield hoes and three all steel patent cultivator teeth; the frame changes in height, and the wheel may be attached to the other side of the frame, when both sides of the row may be hoed at one passage.

No. 17½ Single Wheel Hoe and Cultivator. Price, \$4.50.

No. 18 Single Wheel Hoe. Price, \$3.50.



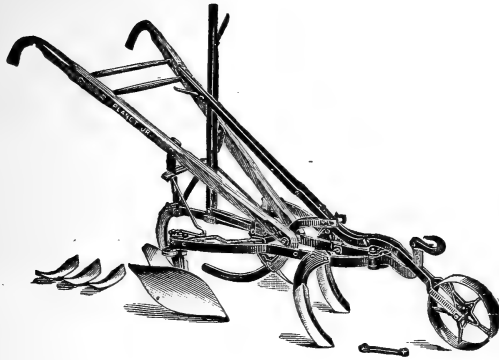
**"PLANET JR." NO. 8 HORSE HOE.**  
Price, \$9.00.

Probably 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.

The **Frame** is extra long and extra high, making a tool that will not clog easily.

The **Stiff Steel Standards** are hollow with round throats; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it.

The **Depth** is under perfect control by a new lever wheel and patent depth regulator, moved instantly in unison by a single lever, making exact work, steady-



ing the machine and relieving the operator.

The **Expander** is an entirely new pattern, superior to all other forms; exceedingly strong, simple, accurate and positive in all positions.

The **Handle and Braces** are also new, and the most effective and stiffest combination known, at once making the tool rigid, yet allowing every adjustment of handles in height and sidewise.

The **Reversible Side Hoes**, patented, are an important part of the implement. As shown in the cut, they act as plows or hillers, but when turned end for end, the tool becomes a genuine horse hoe, working so shallow and so close, without injury to the roots, that an immense amount of hard labor is saved.

Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest.

**"PLANET JR." No. 7 Horse Hoe.**

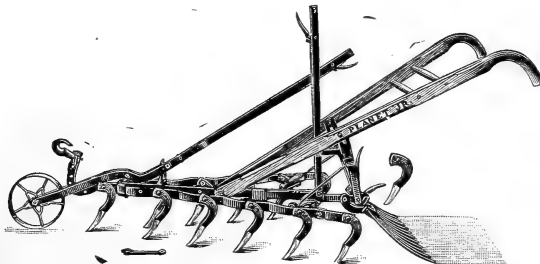
Same as No. 8, but without the Depth Regulator Price, \$8.50.

**"PLANET JR." No. 9, Horse Hoe and Cultivator.**

Frame same as No. 8, without depth regulator, has plain wheel. Price \$7.75.

## 12-TOOTH HARROW

This tool is a general favorite with farmers, market gardeners and others. Has high frame and chisel shaped teeth that cut an inch wide, each; can be set with teeth trailing. The foot lever pulverizer is capital for preparing ground for seed drill or plant setting. Hand levers regulate both width and depth while in motion. It con-



tracts to 12 inches, and may be further reduced in width by taking off outside teeth. It expands to 32 inches, and cultivates deep without throwing earth on plants, and the smooth, round throated teeth turn strawberry runners without injuring them.

Price, complete, \$9.00. Without pulverizer, \$7.40. Without pulverizer or wheel, \$6.20.

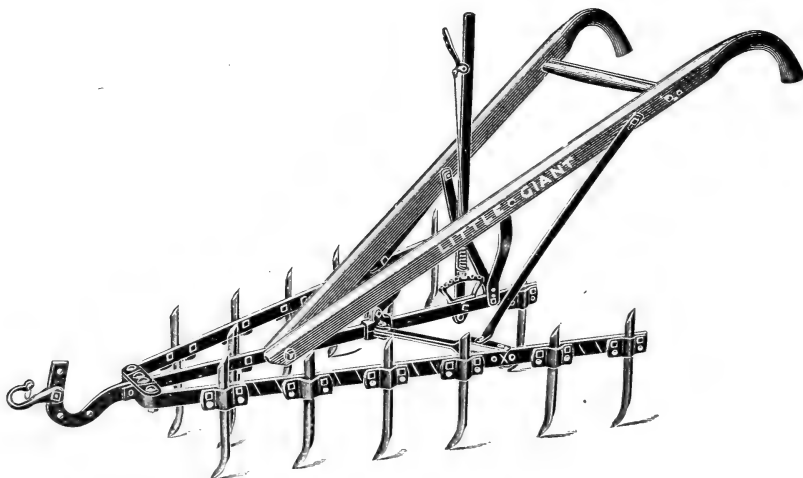
## *SINGLE AND DOUBLE SHOVEL PLOWS*



The best Single and Double Shovel Plows made. Fitted with adjustable clevis.

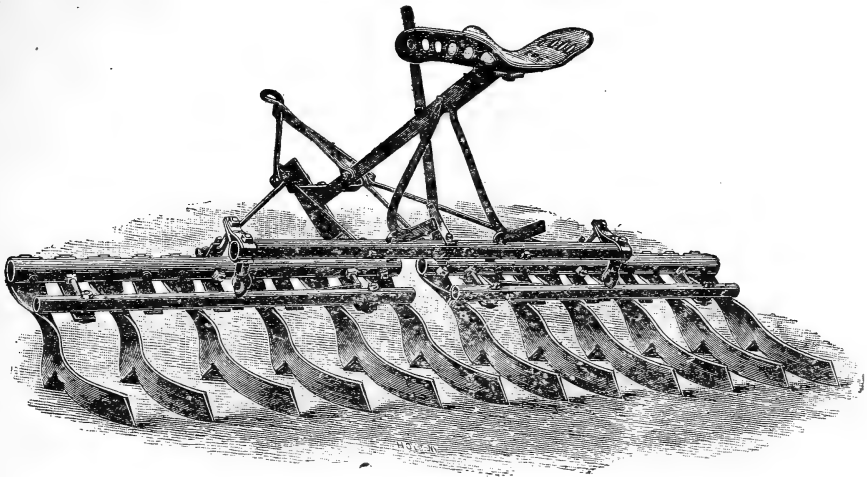
Single Shovel, Wood Beam. . . . .	Each, \$2.50
Single Shovel, Iron Beam. . . . .	Each, 2.75
Double Shovel, Iron Beam. . . . .	Each, 3.00
Double Shovel, Wood Beam. . . . .	Each, 2.75

## *LITTLE GIANT 14-TOOTH HARROW*



14 Tooth Harrow. . . . .	Each, \$4.50
14 Tooth Harrow, with wheel. . . . .	Each, 5.00
5 Tooth Cultivator. . . . .	Each, 3.50
5 Tooth Cultivator, with wheel. . . . .	Each, 4.00
7 Tooth Cultivator. . . . .	Each, 4.00
7 Tooth Cultivator, with wheel. . . . .	Each, 4.50
Horse Hoe Attachment for above . . . . .	Each, 1.00

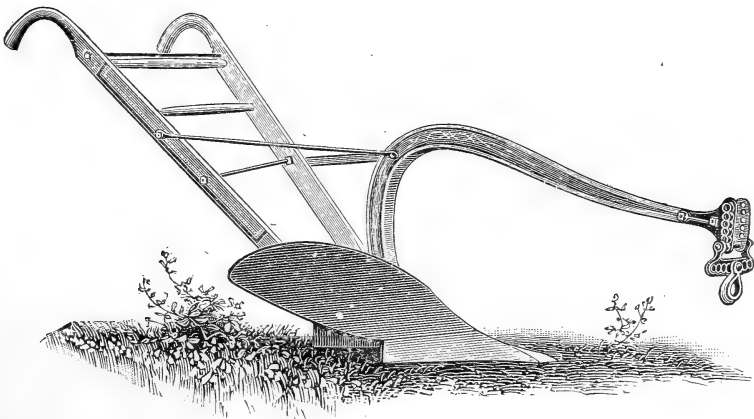
**ACME PULVERIZING HARROW AND CLOD CRUSHER**



Not having space to give description of above, I ask you to write for complete circular.

- No. 23. Two Horse, 6½ ft. .... Each, \$17.00
- No. 24. Four Horse, 13½ ft. .... Each, 34.00
- No. 25. Two Horse as Orchard Harrow..... Each, 25.00

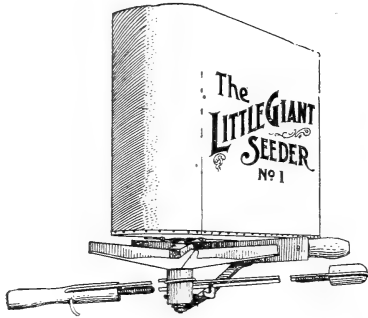
**CANTON CLIPPER AND JOHN DEERE WALKING PLOWS**



- 7 Inch Pony Plow. .... Each, \$ 3.00
- 8 Inch Wood Beam. .... Each, 6.00
- 12 Inch Steel Beam. .... Each, 11.00
- 14 Inch Steel Beam. .... Each, 13.00
- 50 Tooth Harrow, steel frame and lever..... Each, 10.00
- 60 Tooth Harrow, steel frame and lever..... Each, 11.00

**HAND SEED SOWERS.**

**THE LITTLE GIANT SEEDERS** are the lightest running and best sowing machines on the market. They have Iron Frames, Malleable Brace, Force Feed, Pressed Tin Distributing Wheel, and hand hold on the side, and the stirrer is the most effective feeder placed on any machine.

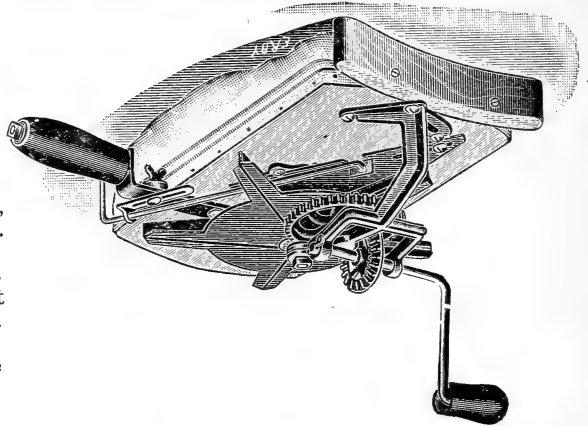


No. 1.

**No. 3 Gearing.** The strongest, prettiest and best seeder made. Price, \$1.50.

**No. 4** has the same gearing as the No. 3, but is smaller. The best cheap machine on the market. Price, \$1.00.

**No. 1 Fiddle Bow**—The same construction as the No. 3. Price, \$1.00.



**CAHOON'S HAND BROADCAST SEEDER**—For sowing wheat, oats, hemp, rye, buckwheat, flaxseed, grass seed, etc. The hand machine, at the common walking gait, sows from six to eight acres per hour. It sows equally well in the face of the wind; it is attached to the body by a strap over the shoulder and turned by a crank in the right hand. Price, \$3.00.

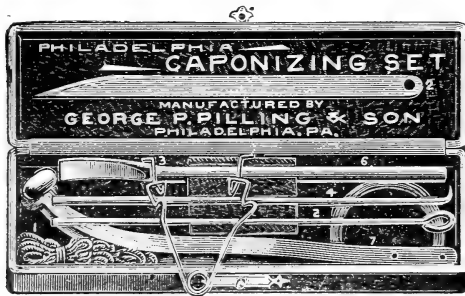
**THE "FARMER'S" CAPONIZING SET.**

There is no doubt in the minds of up-to-date poultrymen as to the advantages of caponizing. The operation is very simple, and with a "Farmer's Caponizing Set" any boy twelve years of age can perform it with safety and thoroughness. Capons, as anyone knows, sell on the market as a rule from five to eight cents per pound higher than any other chickens. The demand for capons is always good, is steadily growing, and at this time a better market is assured the producer in this field than any other. Now is the time to get into the caponizing business, and the first thing to start right is to buy a "Farmer's Caponizing Set." No

more efficient, simple or more easily operated set is being offered the craft to-day than the Farmer's, and you will make no mistake by selecting the Farmer's.

Set in plush-lined, cloth-covered case. ....	\$3.00
Set in polished hard-wood box. ....	2.75
Set in Japanned wood box. ....	2.50

We pay transportation charges within the United States.



Leg Band.

**LEG BANDS**—See cut. Made of aluminum, adjustable to fit any fowl; in two sizes, 3-inch and 4-inch.

12 for. . . . .	25c
25 for. . . . .	40c
50 for. . . . .	75c
100 for. . . . .	postpaid, \$1.00



PIGEON BANDS



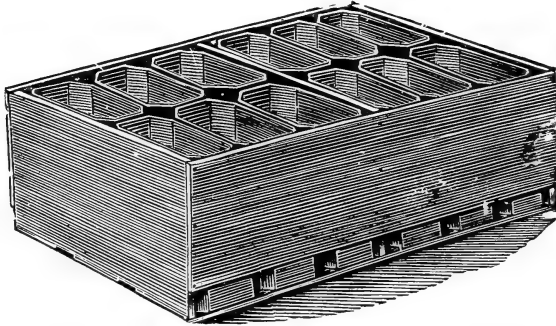
POULTRY MARKER

25c, postpaid.



## FRUIT PACKAGES

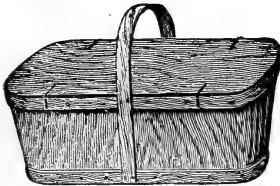
BERRY BOXES, CRATES, BASKETS AND TREE PROTECTORS.



Leslie Wine Measure.

Twenty-four Quart Octagon Crate, Filled.

Berry Boxes (500 in bdl.) . . . . .	per 100
Berry Box Crates (10 in bdl.) . . . . .	per 100



Climax 8-lb.



Diamond Market.

Climax, 8-lb., no cover. . . . .	per 100
Climax, 8-lb., flat cover. . . . .	per 100
Climax, 8-lb., peach cover. . . . .	per 100
Fruit Tills. . . . .	per 100
Fruit Tills. . . . .	per 1,000
Diamond Market Baskets. . . . .	per dozen,
½ bu. Pickling Baskets. . . . .	per dozen,
1 bushel Baskets. . . . .	per dozen,
½ bu. Wire Potato Baskets . . . . .	per dozen,
Tree Protectors. . . . .	per 100

I carry a large stock of these goods, but as the price is not yet made ask you to write for prices.

Headquarters for

**MEXICAN CHILI PRODUCTS**

Since the American people have become so fond of the Mexican dishes such as Chili Concarne, Mexican Tamales, Chili Coloro, etc., and the demand has become so large for the Chili supplies, I have laid in large stocks of the Mexican products such as Peppers, Comino, Oregano, and Chili Beans, and will supply you in quantities such as you require, and at prices as low as is consistent with the quality I handle.

I carry the only complete stock of high grade supplies in the city, and am able at all times to fill your orders.

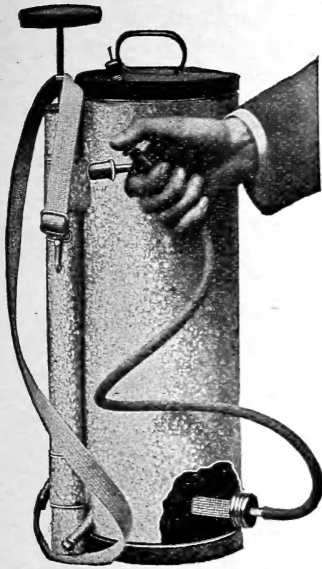
Remember that my Eagle Chili Powder and Chiltomaline make a perfect seasoning for all kinds of meats, gravies, hash, soups, stews and vegetables.

Below you will find list with prices.

Strictly Fancy Chili Peppers. ....	25c per lb.
Chile Quin Pin. ....	25c per lb.
Comino. . . . .	25c per lb.
Oregano or Sage. ....	20c per lb.
Choice Chili Pitines. ....	per lb.
Anise Seed. ....	25c per lb.
Coriander Seed. ....	25c per lb.
Celery. . . . .	25c per lb.
Caraway. . . . .	20c per lb.
Poppy Seed. ....	20c per lb.
White Mustard Seed. ....	20c per lb.
Bay Leaves. ....	25c per lb.
Loose Garlic. ....	15c per lb.
Eagle Chile Powder, 6 oz. ....	25c per bottle
Eagle Chile Power, 2 lb. can. ....	\$1.25
Chiltomaline. . . . .	25c per bottle
Chiltomaline, 5 lb. pkg. ....	\$2.50
Lavender Flower. ....	35c per lb.
Chile Beans (Mexican). ....	5c per lb.
Pink Beans. ....	5c per lb.
Corn Husks, 25 lbs. to Bale. ....	\$1.50 per bale.

Recipe for making Chili dishes sent on request.

### NEW "LIGHTNING" COMPRESSED AIR SPRAYER NO. 21.



The new Lightning Compressed Air Sprayer is made of heavy galvanized iron or brass, holding about 4 gallons, and is provided with a brass safety valve to prevent over pressure, an adjustable shoulder strap with a snap at each end; three feet of the best hose and our automatic brass shut-off nozzle, which is held in one hand and worked at the will of the operator, by simply pressing the thumb a trifle, letting out an instantaneous spray and by releasing the thumb, the stop-cock shuts itself off automatically. It is also provided with our patent brass strainer as shown in cut, so that no sediments can pass through the hose or nozzle, which prevents clogging,

This is a double valve and so constructed that after the air is pumped into the tank there is no danger of this valve leaking, and no matter how strong the ingredients may be they will have no effect on the valve whatever. After the sprayer is charged, all that is necessary is to turn the small nut with the fingers and the valve is locked.

There is no labor required to operate this machine; simply fill the tank about two-thirds full of liquid, pump in a few strokes of air, and the sprayer will do the rest. Price, \$5.00.

### LITTLE GIANT.

Fig. 639. Little Giant Brass Spray Pump, with agitator, complete with hose, Imperial combination fine, coarse spray and solid stream nozzle; malleable foot rest and an 8-foot pipe extension. Price, \$3.25.

### THE LEE SPRAY PUMP.

Is the only sprayer of this kind on the market that will spray **entire** contents of can in any direction; the only one that throws a spray **directly upwards** as well as downwards. An invaluable feature and one that is sure to be appreciated by every user of a spray pump.

It is made extra strong, heavily reinforced and can be laid down without contents of can spilling.

Especially adapted for spraying Lee's Lice Killer into the cracks and crevices of your poultry house, or for spraying bushes, plants, shrubbery, potato vines, etc. **Every poultry raiser or farmer needs one.** Price, 50 cents; by mail, postpaid, 60 cents.

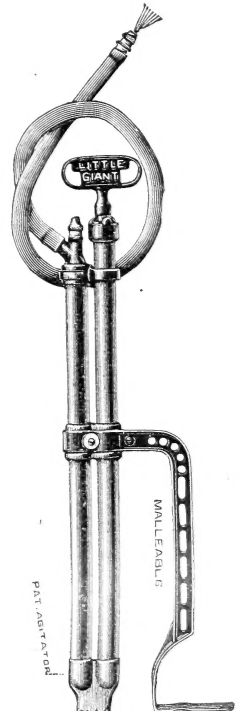


Fig. 639.

**CHRISTMAS DECORATIONS.**

I carry the largest stock of Christmas Decorations, such as:

**Christmas Trees****Holly****Wreaths****Wreathing****Smilax****Mistletoe****Southern Moss****Bitter Sweet****Needle Pines****Candles****Candle Sticks**

And will be pleased to quote you prices at the proper season, and having special arrangements for securing my supplies, you can be assured of receiving the choicest stock.

# USEFUL TABLES

## Average Quantity of Seed Sown to an Acre.

In Drills.

	Bushels.	Pounds.
Dwarf Beans . . . . .	1¼	
Early Peas . . . . .	1½	
Marrowfat Peas . . . . .	1¼	
Beets . . . . .		4 to 5
Carrots . . . . .		2 to 3
Onions . . . . .		4 to 5
Onions for sets . . . . .		50 to 60
Onion sets . . . . .		300 to 350
Potatoes (cut tubers) . . . . .		10
		Pounds.
Parsnips . . . . .		4 to 5
Radishes . . . . .		6 to 8
Rutabagas . . . . .		1 to 1½
Spinach . . . . .		10 to 12
Salsify . . . . .		6 to 8
Turnip . . . . .		1 to 1¼

In Hills.

Pole Beans . . . . .	12 to 15
Corn . . . . .	8 to 10
Cucumbers . . . . .	2 to 3
Muskmelons . . . . .	2 to 3
Watermelons . . . . .	3 to 5
Pumpkin . . . . .	5 to 6
Squash . . . . .	4 to 5

## Quantity of Seed Required for a Given Number of Hills.

Hills.

Pole Beans . . . . .	1 qt. to 50
Corn . . . . .	1 qt. to 200
Cucumbers . . . . .	1 oz. to 125
Watermelons . . . . .	1 oz. to 40-50
Muskmelons . . . . .	1 oz. to 75-100
Pumpkin . . . . .	1 oz. to 60-90
Squash . . . . .	1 oz. to 60-80

## Quantity of Seed Required for a Given Number of Plants.

Plants.

Asparagus . . . . .	1 oz. 500
Cabbage . . . . .	" 2,000
Cauliflower . . . . .	" 2,000
Celery . . . . .	" 2,500
Leek . . . . .	" 1,500
Endive . . . . .	" 3,000
Egg Plant . . . . .	" 1,000
Lettuce . . . . .	" 3,000
Pepper . . . . .	" 1,000
Tomato . . . . .	" 1,500
Thyme . . . . .	" 4,000
Sage . . . . .	" 1,000
Savory . . . . .	" 2,000
Marjoram . . . . .	" 1,500
Rhubarb . . . . .	" 500

## Quantity of Seed Required for a Given Length of Drill.

Feet of Drill.

Asparagus . . . . .	1 oz. 60
Beet . . . . .	1 oz. 50

Beans—dwarf . . . . .	1 qt. 100
Carrot . . . . .	1 oz. 100
Endive . . . . .	1 oz. 100
Okra . . . . .	1 oz. 40
Onion . . . . .	1 oz. 100
Onion sets . . . . .	1 qt. 20
Parsley . . . . .	1 oz. 125
Parsnips . . . . .	1 oz. 150
Peas . . . . .	1 qt. 100
Radishes . . . . .	1 oz. 75
Salsify . . . . .	1 oz. 70
Spinach . . . . .	1 oz. 75
Turnip . . . . .	1 oz. 150

## Table Showing the Amount of Seed Necessary for an Acre, and the Number of Pounds to the Bushel.

	No. lb. to bu.	No. lb. to acre.
Red Clover . . . . .	60	12 to 15
White Dutch Clover . . . . .	60	5 to 8
Alfalfa . . . . .	60	25 to 30
Esparsette . . . . .	24	40 to 45
Alsike Clover . . . . .	60	5 to 8
Timothy . . . . .	45	15 to 20
Hungarian . . . . .	48	24 to 36
Millet . . . . .	50	25 to 50
Red Top . . . . .	14	20 to 30
Orchard Grass . . . . .	4	28 to 42
Kentucky Blue Grass . . . . .	14	18 to 42
Johnson Grass . . . . .	25	25 to 30
Fine Mixed Lawn Grass . . . . .	14	50 to 70
Hemp . . . . .	44	30 to 60
Flax . . . . .	50	28 to 42
Buckwheat . . . . .	50	25 to 50
English Blue Grass . . . . .	22	12 to 18
Oats . . . . .	32	32 to 64
Barley . . . . .	48	.. to 96
Corn . . . . .	56	8 to 10
Rye . . . . .	56	72 to 90
Wheat . . . . .	60	60 to 90
Sugar Cane . . . . .	56	6 to 8
Sugar Cane, broadcast . . . . .	56	50 to 75
Peas, Field . . . . .	60	90 to 120

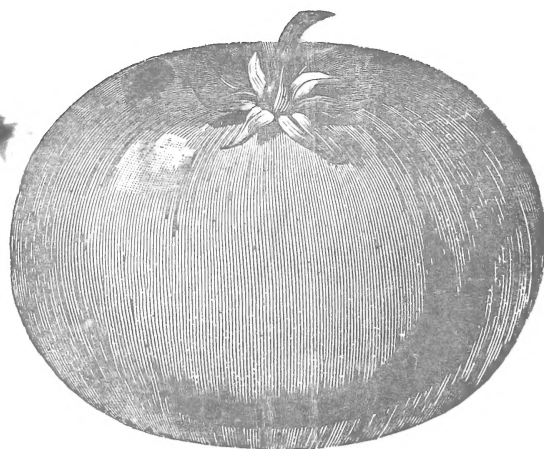
## Table Showing the Number of Plants or Trees to the Acre of Given Distance.

Dist. apart.	No. Trees.
1 foot . . . . .	43,500
1¼ feet . . . . .	19,360
2 feet . . . . .	10,890
2½ feet . . . . .	9,960
3 feet . . . . .	4,840
4 feet . . . . .	2,722
5 feet . . . . .	1,722
6 feet . . . . .	1,210
9 feet . . . . .	567
12 feet . . . . .	302
15 feet . . . . .	193
18 feet . . . . .	134
21 feet . . . . .	98
24 feet . . . . .	75
27 feet . . . . .	59
38 feet . . . . .	40

**CATALOGUE**  
**T. LEE ADAMS**  
417 WALNUT ST.  
Kansas City, Mo.

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**LIVINGSTON'S BEAUTY**

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**FIELD, GARDEN AND FLOWER SEEDS. BULBS,  
PLANTS, POULTRY SUPPLIES  
GARDEN TOOLS**