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207 7th Street. N. W.

Opposite Centre Market



Seed in packets, ounces and quarter pounds, are mailed by us free of postage.

Half pounds, pounds, pints and quarts, the postage must be added to the price quoted, at the rate of eight cents per pound and fifteen cents per quart.

Orders by mail will receive prompt attention and have every advantage, as to price and quality of goods, just the same as if the purchaser should call personally at our store.

While we exercise care to have all seeds pure and reliable, we do not give any warranty, expressed or implied, and will not be responsible in any respect, for any loss or damage arising from the failure thereof. If the purchaser does not accept the seeds on these terms or conditions they must be returned at once.

#### PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

#### Estimated Quantities of Seed Required for the Space Given.

Asparagus-1 oz. produces 1,000 plants, and requires a bed of 12 feet square.

Asparagus Root-1,000 plants to a bed 4 feet wide and 225 feet long.

English Dwarf Beans—1 quart plants from 100 to 150 feet of row.

French Dwarf Beans-I quart plants 250 to 350 feet of row.

Beans, Pole, Large-1 quart plants 100 hills.

Beans, Pole, Small-1 quart plants 39 hills or 250 feet of row.

Beets—10 lbs. to the acre; I ounce plants 150 feet of row.

Brocoli and Kale-1 ounces gives 2,000 plants and requires 40 square feet of ground.

Cabbage-Early sorts same as Brocoli and requires 60 square feet of ground.

Cauliflower—The same as Cabbage.

Carrots-I ounce to 150 feet of row.

Celery—I ounce gives 7,000 plants, and requires 8 square feet of ground.

Cucumbers—1 ounce to 150 hills

Cress—I ounce sows bed 16 feet square.

Egg Plant-1 ounce to 2,000 plants.

Endive-1 ounce gives 2,000 plants, and requires So feet of ground.

Leek-1 ounce gives 2,000 plants, and requires 60 feet of ground.

Lettuce-1 ounce gives 7,000 plants, and requires seed bed of 120 feet.

Melon-1 ounce for 120 hills.

Nasturtiums—I ounce sows 25 feet of row.

Onion-1 ounce sows 200 feet of row.

Okra-I ounce sows 200 feet of row.

Parsley—I ounce sows 200 feet of row.

Parsnips—I ounce sows 250 feet of row.

Pepper—1 ounce gives 2,500 plants.

Peas-I quart sows 120 feet of row.

Radishes-1 ounce to 100 feet.

Salsify—I ounce to 50 feet of row.

Spinach—I ounce to 200 feet of row.

Squash-I ounce to 75 hills.

Tomato-1 ounce gives 2,500 plants, requiring seed bed of 80 feet.

Turnips-1 ounce to 2,000 feet.

Watermelon—1 ounce to 50 hills.

#### Estimated Quantities of Seed Required to the Acre.

Wheat	I 1/4	to	2	bushels	Broom Corn	1/4	to	1/2	bushels
Barley	$I\frac{1}{2}$	to	$2\frac{1}{2}$	"	Timothy	12	to.	24	quarts
Oats	2	to	4	.44	Mustard	8	to	20	66
Rye	1	ŧО	2	÷/	Herd Grass	12	to	16	66
Buckwheat	3/4	to	2	"	Flat Turnip	2	to	3	pounds
Millet	I	to	$I^{\frac{1}{2}}$	66	Red Clover				66
Corn	1/4	ŧο	2	44	White Clover	3	to	4	- "
Beans	1	to	2	66	Blue Grass				44
Peas	21/2	to	31/2	**	Orchard Grass				66
Hemp	I	to	$I^{\frac{1}{2}}$	"	Carrots				46
Flax				"	Parsnips	6	to	8	66
Rice	2	to	21/21	"	-				

Our catalogues are published each year, and are sent regularly to our customers whose names are on our books and to all others who apply for them.

P. Mann & Company.

Opposite Center Marketa

207 Seventh Street. N. W.

... ORDER SHEET FOR ...

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# MANN & CO. STANDARD SEEDS

WASHINGTON, D. C.

mail, add Ten Cents per Pint, Fifteen Cents per Quart, to Catalogue Prices Extra Order Sheets and Return Envelopes Sent on If Peas, Beans, and Corn are ordered sent by Postage. NOTE Application. AMOUNT ENCLOSED Postal Money Order, 3-Express Money Order, TOTAL, Postage Stamps, Date Currency, Draft, Coin, BE SURE TO FILL IN THESE BLANKS Street or P. O. Box Express or Freight Office Post Office\_ County State \_ Name

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# INTRODUCTORY



NCE more it is our pleasure to extend a hearty greeting to our friends and customers, and to thank them again for their continued patronage, which we have endeavored to merit by constant and careful attention to the business entrusted to us, and now, with the opening of the New Year, all, the trader and the farmer, look forward to the advent of spring, and to another year of

activity in the pursuit of business.

How may the farmer maintain, and possibly increase the earning capacity of his land, is the question, and surely it is answered by care and foresight in producing and using the Choicest Seeds only, the most Productive Fertilizers, and the most Labor Saving Implements, which, together with constant and skillful labor, can hardly fail to bring to the farmer increasing prosperity, and while there are many openings in store and factory, yet agriculture will remain the calling of a large majority, and the real basis of national prosperity.

In our catalogue will be found the names of well known Standard Varieties of seeds, proven to be the most valuable of their kinds for this

climate, and we assure you that our motto is continually

#### THE BEST SEEDS THE BEST GROWERS PRODUCE,

for we realize that in all classes of goods, in Seeds, Fertilizers or implements

#### THAT QUALITY IS FIRST TO BE CONSIDERED.

Dealers, Market Gardeners, and Institutions requiring large quantities of Seeds, are Invited to Write Us for quotations, and Special Price lists.

We shall be pleased to answer all correspondence promptly.

Seeds forwarded by Mail or Express, as the purchaser may wish.

All sums to the amount of one dollar and upwards may be sent at our risk if forwarded according to the following directions, viz: by Post Office Money Order, Bank Drafts, or Cash sent in a Registered Letter.

In sending an order give your Name, Post Office, County and State in full, as plainly as possible; your Name Especially Written Very Distinctly. We receive many letters without the signature of the writer, which causes much trouble to us and anxiety to them. Please be particular in this respect.

In shipping we make no charge for delivery to railroads or express

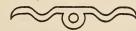
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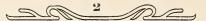
Main 1121.

Very respectfully yours,

P. MANN & CO.

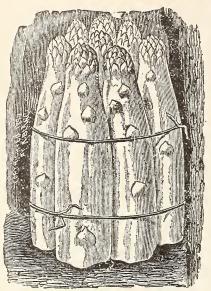


WHILE WE EXERCISE THE GREATEST CARE TO HAVE ALL SEEDS PURE AND RELIABLE, WE DON'T GIVE ANY WARRANTY, EXPRESSED OR IMPLIED





## ASPARAGUS,-SPARGEL,



BEANS

Green Podded, Dwarf or Bush Varieties. DWARF BEAN CULTURE.

Dwarf Beans may not be safely planted until the middle of April owing to the late frost, but may be planted thereafter as desired, until the middle of August.

Select high, rich soil, make drills two feet apart, drop beans along the rows and cover with earth. Hoe often to keep earth to the stems.

Early Yellow Long Six Weeks.— In growth and maturity is very similar to the Mohawk and is a very popular variety in the South, pods long and flat, very productive and ripens about the same time. Quart, 20c. Peck, \$1.25. Bushel, \$4.00.

Early Round-Pod Red Valentine.-Is the favorite sort for growers who supply the early markets, because its growth is so rapid, and because it stands shipment per-

fectly. It is a heavy cropper, and ready to pick in about forty days. Quart, 20c. Peck, \$1.25. Bushel, \$4.00.

Burpees Stringless Green Pod.-This new bean produces a vine similar to Red Valentine, but develops pods to edible condition two or three days earlier than Valentine; that is to say, in thirty to thirty-one days from germination, which extraordinary ma-turity for table at once advances the Stringless Green Pod to the first rank among table beans. Quart, 30c. Peck, 1.50. Bushel, \$6.00

Refugee, or 1,000 to 1.—The standard late pickling variety; matures two weeks later than the extra early kinds. Very valuable for pickling. Quart, 20c. Peck, \$1.25. Bushel, \$4.50.

Dwarf Horticultural, or Dwarf Cherry.—A splendid bean for use on the table as a snap bean or for winter use. It is large, meaty and meets the requirements of the market, the table and shipper. Quart, 25c. Peck, \$1.25. Bushel, \$5.00. White Pea or Navy. - The genuine Boston Baking Bean. Price per quart, 15c; per bushel

I oz. for 60 feet drill; 400 plants.

CULTURE.—To grow plants from seed, sow in April or May, in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds. During the Summer "thin out," and the following Spring the plants may be set out in beds, 6x6 feet wide, with a path two feet wide on each side; set the plants about a foot apart each way, with the plants four inches below the surface. The deeper the soil and the more manure used, the greater the crop. Annually after the first cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the Fall they should be cut and removed from the beds, and just before Winter cover the beds with four inches of strawy manure or leaves, which should be removed in the Spring.

I oz. for 60 feet drill; 400 plants.

Conovers Colossal.—The standard variety. The shoots are of the largest size; very productive and of the best quality. 5c. a package; 15c. ¼ pound; 5oc. pound.

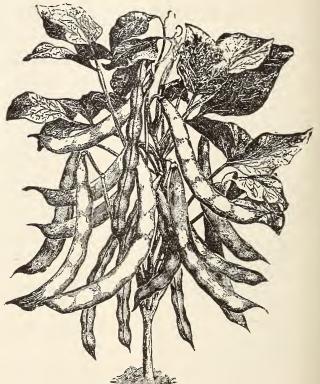
The Palmetto.—This variety is not only much earlier.

but is also a better yielder, and is more even than the Old Favorite. The Palmetto has now been planted in all parts of the country, and the reports we hear indicate that it is equally well adapted for all sections, Norh and South. Package, 5c.; 1/4 pound, 15c.; pound, 5oc.

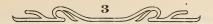
#### ASPARAGUS ROOTS

Any variety, two-year-old, per 100, 75c.; by mail, \$1.00;

per 1,000, \$4.00. ASPARAGUS KNIVES. 30c. each; by mail, 35c. each postpaid. Dozen, \$3.



EARLY RED VALENTINE.





Davis Kidney Wax.—A new variety introduced 1897 season. It is adapted alike for the canner, market gardner, shipper or amateur. The dry bean is large, kidney shaped and white in color, making it one of the best for cooking in the dry state. The pods are long, mealy, stringless, and of a beautiful yellow color. Quart, 25c. Peck, 1.75. Bushel, \$7.00.

Dwerf German Wax.—One of the finest of Snap-shorts, and the oldest of the Wax varieties; pods transparent, waxy yellow, and snap like pipe-stems; boil as rich as butter, and when, highly seasoned, are luscious; they are thick and very tender, entirely stringless, and fully as early as the Valentine.

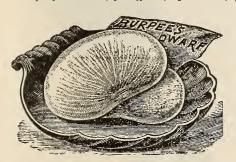
Quart, 25c. Peck,\$1.75. Bushel, \$6.50.

Improved Golden Wax.—(Rust-proof.)—This variety, the pods of which are of a dark, rich, golden-yellow color, is rapidly surpassing the famous Golden Wax, which has been the most popular and most desirable of all Wax varieties. Quart, 25c. Peck, \$1.75. Bushel, \$6.50.

Currie's Rust Proof.—Pods long, flat, and straight, of a beautiful golden color. Price, per quant, 25c. Peck, \$1.75. Bushel, \$6.00.

Wardwell's Kidney Wax.—Pods long, broad, flat, and of a waxy yellow. Beans white, mottled with purple. Price, per Quart, 25c. Peck, \$1.75 Bushel, \$7.00.

Burpee's Dwarf Lima.—This is a bush form of the



well-known large White Lima Bean. It is very fixed in its bush character, growing to a uniform height of about twenty inches, and forming a circular bush two to two and a half feet in diameter, yielding from fifty to two hundred pods similiar to those grown on the Large White Lima Pole Beans, and contain as many beans of the same delicious quality. (See cut.) Quart, 25c. Peck, \$1.50. Bushel, \$6.00.

#### BEANS-POLE OR RUNNING.

They succeed best in sandy loam, which should be liberally enriched with thoroughly rotted manure in the hills, which are formed according to the variety, from three to four feet apart.

Extra Large-Size Lima.—Large white bean, very tender; used without shell; equally good in winter, if soaked 6 to 10 hours before cooking. Quart, 25c. Peck, \$1.50. Bushel, \$6.00.

Ford's Mammoth.— The pods grow to an average length of eight inches, are produced in great

King of the Garden.-Large bean and pod; very heavy cropper. Quart, 25c. Peck, \$1.50. Bushel, \$6.00.

Lazy Wife's Pole Bean. -The pods grow from six to eight inches long entirely stringless, of a rich, buttery flavor when cooked. Pods retain their tender, rich flavor until nearly ripe. A good white shell bean for winter use. Quart, 25c. Bushel, \$5.00. Peck, \$1,25.

Speckled'Horticultural, or Cherry—Very productive; equally good in the green state or when shelled. Quart, Peck, \$1.50. Bushel, 25c. \$5.50.

Kentucky Wonder or Improved Old Homestead -We regard this variety as being the most desirable, best, and earliest of all the green-podded running beans. Quart, 25c. Peck, \$1.50. Bushel, \$5.50.

Golden Carmine Pole Bean. —A new strain of horticultural pole of sterling merit. Excels in earliness, quality, handsome appearance and productiveness. Quart, 30c. Peck, \$2.00. Bushel, \$8.00.

Red Speckled Cut Short or C —Quart, 20c. Corn Field. c. Peck, \$1.50. Bushel, \$5.50.



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# BEETS—(Rothe Rube, Ger.)

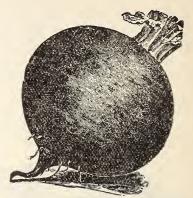
CULTURE.—Seeds should be sown thinly in drills one-half to one inch in depth. Make the first sowing when the trees are starting out in leaf and continue with additional plantings every three or four weeks until August 1st, so that a constant supply of fresh, tender roots may be had throughout the season. Use one ounce to 100 feet of drill; four pounds per acre in rows three feet apart.

Crosby's Egyptian.—This variety is as early as the original Egyptain, but careful selection has been made thicker, and of better quality. For *early* use, either for market or for family gardens, this variety easily takes the lead. It is very popular among market gardeners. Packet, 5c. Ounce, 10c. 14 pound, 15c. Pound 40c.

Crimson Globe.—A second early variety, somewhat oblong in shape with smooth skin and very dark flesh. Good quality. Packet, 5c. Ounce, 10c. 1/4 pound 15c. Pound, 5oc.

Early Eclipse.—Very early, dark red color, small top, and free from fibrous roots; will grow without thinning the plants. Packet, 5. Ounce, Ioc. 1/4 pound, I5c. Pound, 4oc.

Bastian's Early.—Very early, of quick growth, fine turnip form and bright red color. Excellent quality. Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound, 40c.



ECLIPSE BEET.

Detroit Dark Red Turnip.—Very early and an excellent keeper. Tops small. Roots dark red and globular in shape. Tender and sweet. Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound 40c.

Improved Early Blood Turnip.—An improved variety of the Early Blood Turnip; of deep, blood-red color; fine form and flavor. An excellent market sort. Packet, 5c. Ounce, 1oc. 1/4 pound, 15c. Pound, 4oc.

Edmond's Blood Turnip.—Of deep red color, smooth and of fine form. One of the leading varieties both for market and for family use. Packet, 5c. Ounce, 10c. 1/4 pound 15c. Pound, 5oc.

# MANGEL WURZEL AND SUGAR BEET FOR STOCK FEEDING.

Improved Mammoth Prize Long Red (also called Norbtain and Giant Jumbo Mangel.)—The heaviest cropping and best long mangel. This mammoth variety grows to an immense size, single roots weighing twenty to thirty pounds each, and always of a very fine texture and good quality. <sup>1</sup>/<sub>4</sub> pound, Ioc. Pound, 3oc. 5 pounds or more, 20c lb.

Red Globe Mangel.—This variety is valuable for earliness and smooth symmetrical globe shaped roots. The roots are about eight inches in diameter. ½ pound, 10c. Pound, 30c. 5 pounds or more at 20c per pound.

#### BROCCOLI.—German Spargle Kohl.

Sow thinly in seed beds about the middle of Spring; transplant and cultivate the same as Cabbage. Produces heads very nearly like Cauliflower, but more hardy.

Early Large White.—Heads medium size, close and compact. One of the most certain to head. Packet, 10c. Ounce, 30c. 1/4 pound, \$1.00.

BORECOLE, or KALE.—See Kale.

#### BRUSSELS SPROUTS.—German, Kohl.

Brussels Sprouts are being more extensively grown and used. Home gardeners are finding out that this delicious vegetable can be used as easily grown as cabbage. Sow in May and manage as winter cabbage. In the Fall break the leaves down so that the little cabbage will have more room to grow.

**Perfection.**—The best variety; is closely covered with large, compact sprouts. Pkt. 5 cts.; oz. 15 cts.; ½ lb. 50 cts.; lb. \$1.50.









CABBAGE.

French-Choux Poenmes.

German-Kopf Kohl.

Cabbage requires deep, rich, mellow soil, high manuring and good culture to obtain fine, soild heads. For early use sow seeds of the early kinds in the hot-bed or in a box in the house the last of January or early in February, and transplant in the open ground in April, in rows 2 feet apart and 18 inches in the row; or sow a bed of seed outside as soon as the soil can be worked. Transplant in about 4 weeks. For second early cabbage, sow in April and transplant in May. For late cabbage, sow in May, and transplant in July in rows 3 feet apart and 2 feet in the row. In transplanting it is important that plants be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stirthe earth deep. As they advance in growth draw a little earth to the plants until they begin to head. To prevent attacks of Cabbage Fly on small plants, dust thoroughly with plaster, air slacked lime or wood ashes. For Cabbage Worm try Slug Shot; (see Insect Destroyers in this Catalogue.) One onnce of seed produces about 2,500 plants. Four ounces will grow enough plants to set an acre.



EARLY JERSEY WAKEFIELD.

Selected Jersey Wakefield.—Many market gardeners consider this the very best early cabbage in cultivation. Certainly deserving of its great popularity. Grown extensively for market and shipping. Its merits are many, among which are: Large heads for an early sort, small outside foliage, and uniformity of crop. Pyramidal in shape, having a blunted or rounded peak. The sort mostly used for wintering over in cold frames. The seed we offer is first-class; sure to give satisfaction. Packet, 5c. Ounce, 25c. 1/4 pound, 6oc. Pound, \$2.00.



Large Wakefield, or Charleston Wakefield.—Selection from Early Jersey Wakefield, only it is about one week later than that popular early variety, but grows much larger, heads often averaging 15 to 18 pounds; as solid as Winningstadt. Packet,

5c. Ounce, 25c. ¼ pound, 75c. Pound, \$2.50.
Very Early Etampes.—Earliest of all
Cabbages, except Express. Heads oblong, rounded at top, quite solid, medium size. Packet, 5c. Ounce, 15c. 1/4 pound, 40c. Packet, 5c. Pound, \$1.50.

#### EARLY WINNINGSTADT.

The Old Standby.—Well known and very popular. In season very close to Wakefield. Heads large, decidedly conical, leaves bright glossy-green, solid and hard, even in summer. A very sure header. Valuable not only for early use, but also for winter. As near wormproof as any cabbage on the list. Packet, 5c. Ounce, 15c. 1/4 pound, 4oc. Pound, \$1.50.

#### HENDERSON'S EARLY SUMMER.

Selected Stock .- About 10 days later

CHARLESTON WAKEFIELD.

than the Early Wakefield, but being fully double the size, it may be classed as decidedly the best large Early Cabbage, and is outer leaves allow it to be planted people as allowed to most of the late varieties, and its short outer leaves allow it to be planted people as allowed to the late varieties, and its short outer leaves allowed to the late varieties.

outer leaves allow it to be planted nearly as close as Wakefield. Keeps longer without bursting than any variety with which we are acquainted. Packet, 5c. Ounce, 20c. 1/4 pound, 40c. Pound, \$1.50.

Early Flat Dutch.—An excellent second early variety, producing fine large heads after the first early varieties have disappeared. Highly valued, both for its fine quality and ability to stand the hot sun and dry weather. Heads very solid, broad and round, flattened on top, tender and fine grained. Ounce, 15c. 1/4 pound, 40c. Pound, \$1.25.

#### ALL-HEAD EARLY.

(True.)—A thoroughbred sort, on account of its remarkably uniform size and shape, and reliability for heading. Deep, flat heads, solid and uniform in color, shape and size. The main feature of a good cabbage is tenderness, and, in this respect, it is unsurpassed. For winter sow in July, and the plants set out about the middle of August will bring heads, large and solid, sure to winter well. By reason of its compactness, and the absence of loose leaves, fully 1,000 more heads can be obtained from an acre than of most other good sized varieties. Packet, 5c. Ounce, 20c. ¼ pound, 60c. Pound, \$2.00.



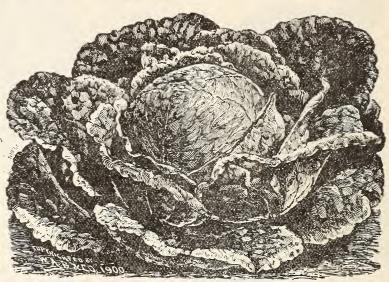


# Cabbage-Continued.

Burpee's Original Surehead Cabbage.—Produces large, round, flattened heads of the Flat Dutch type and is remarkable for its certainty to head. It is very sweet flavored, has but few loose leaves, keeps well, is good for shipping, and is just the variety and quality to suit market gardeners, farmers and all lovers of good cabbage. Packet, 5c. Ounce, 20c. 1/4 pound, 6oc. Pound, \$2.00.

All seasons.—Heads very

large, round, solid and of fine quality, keeping as well as the Winter sorts. Plant very Winter sorts. Plant very vigorous, but sure heading. Remarkable for its ability to stand the hot sun and dry weather. Ounce, 15c. 1/4 pound, 15oc. Pound, \$1.50.

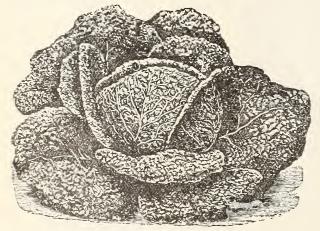


BURPEE'S SUREHEAD.

Autumn, King, or World Beater.—One of the finest strains of Late Cabbage ever offered. It produces regular, even heads of enormous size and can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, from the fact of its producing so few outer leaves. Packet, 5c. Ounce, 20c. 1/4 pound, 5oc. Pound, \$1.75.

Succession.—This is a splendid cabbage, suitable for fall or spring sowing, has large, flat, handsome heads and matures rapidly. Plant Succession for main crop. Packet, 5c. Ounce, 20c. 1/4 pound, 50c.

Pound, \$1.75.



SAVOY CABBAGE.

#### Premium Late Flat Dutch.

This variety is largely grown for late or main crop, being the favorite market variety. Heads very large, solid, and broad, with flat tops; of fine flavor and quality, very short stems. Packet, 5c. Ounce, 15c. 1/4 pound, 4oc. Pound, \$1.25.

#### Savoy Cabbage.

The Savoy or Curley Cabbages are of much finer flavor and quality than the best of other kinds, and should be more gen-erally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Grown in the fall and allowed to be touched by frost it is a most delicious vegetable.

Improved American Savoy.—Far superior to the ordinary Drumhead Savoy offered under different names. Heads large and very finely curled; short stalk, compact grower; sure header; keeps well. The best of all Savoys for home usever market. Packet, 5c. Ounce, 20c. 1/4 pound, 50c. Pound, \$1.50.

# Red Cabbage.

Red Drumhead. -Heads large, rounded, hard and very deeply colored at the heart. Packet, 5c. Ounce, 20c. 1/4 pound, 50c. Pound, \$1.75.







# CARROTS.-MOHREN.

ounce to 150 feet of drill. 2½ pounds to an acre.

CULTURE.—Follow directions given for Beets and Parsnips, as there is no difference in the method of cultivating these roots. For early crop sow in March, for late crop in May or June.



Early Scarlet Horn.— Small, but early. Best for forcing. Packet, 5c. 1/4 pound, 20c. Pound, 6oc.

Danvers' Half-Long Stump Rooted.—A new variety of decided merit; rich in color and of handsome shape. Packet, 5c. ½ pound, 20c. Pound, 60c.

Danvers' Half-Long Pointed Root.—Early and very beatifully shaped; very rich in color and best for main crop. It is worthy of a fair trial. Packet, 5c. ½ pound, 20c. Pound, 60c.

Improved Long Orange.—Deep orange color, long, smooth, most popular for general crop. Packet, 5c. 1/4 pound, 2oc. Pound, 6oc.

St. Vallery, or New Intermediate.=
Packet, 5c. ½ pound, 2oc. Pound, 6oc.

# Cress, or Pepper Grass.

Kresse.

Sprinkle seed freely along shallow drills one foot apart, at intervals, through Spring and Summer ,as desired.

"TOTAL LATER (BERKERSER BERKERSER)"

Curled Garden. Ounce, 10c.

#### WATER CRESS.

Wasserkresse.

It is easily grown by planting along the margins of ponds and streams, where it increases both by spreading of the roots and by seeding.

Package, 10c. Ounce, 25c.

#### CORN SALAD, OR FETTICUS.

Ackersalat.



I ounce will sow 20 square feet; 6 pounds to the acre.

A vegetable used as a salad. It is sown in the opening of Spring in rows one foot apart, and is fit to use in 6 or 8 weeks from sowing. If wanted in early Spring, sow in September; cover with straw as soon as cold weather sets in. Can be grown in cold frames, covered with straw mats or shutters, and used any time during the Winter. Large Seeded German. 1/4 pound, 15c. Pound, 5oc.

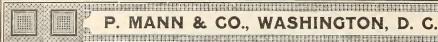
## Celeriac, or Turnip Root Celery.

New Large Smooth.—A new and quite distinct sort, the roots being very smooth, large, and round. Roots may be cooked and sliced, and eaten with vinegar. Packet, 5c. Ounce, 15c. 1/4 pound, 4oc.

Special Prices on any one kind of seed in large quantities.

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# CELERY.=(SELLERIE,)

I ounce to 1,000 plants. Io to 15 ounces to the

Sow the seed in a well prepared soil as soon as the ground is in a proper condition to work. 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. Make the soil very rich with well-rotted manure, which should be dug in deep; a moist, low, rich bottom land or well-drained muck soil is preferable. Set the plants eight or twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the centre shoots. Ounce, 15c. ½ 1b. 40c. Pound, \$1.25.

Boston Market.—Short and bushy, making a solid bunch. Oz., 15c; ½ lb., 4oc; pound, \$1.50.

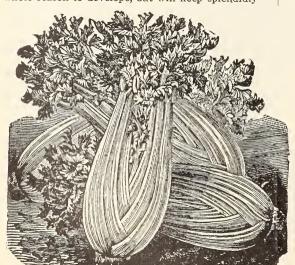
Improved White Plume.—An early self-blanching variety, very popular for fall and early winter use. Packet, 5c. Ounce, 20c. ½ pound, 50c. Pound, \$1.75.

Pink Plume.—Similar in every respect to the White Plume except in color, which is very beautiful and delicate shade of pink; is solid, crisp and tender. Ounce, 20c. 1/4 pound, 50c. Pound, \$2.00.

Dwarf Golden Heart.—Very solid, an excellent keeper and of fine, nutty flavor; the heart, which is large and full, is of a waxy, golden yellow, rendering it very showy for either market or private use. Packet, 5c. Ounce, 15c. ½ pound, 4oc. Pound, \$1.50.

Giant Pascal.—A green leaved variety which developed from the Golden Self-Blanching, retains the beautiful color, thick, solid, crisp stalks and incomparable flavor of that variety, but is of stronger growth, also larger, producing perfectly blanched stalks. Packet, 5c. Ounce, 20c. 1/4 pound, 50c. Pound, \$1.50.

Evans' Triumph Celery (a new late Celery.)—This splendid new variety originated in Canada, and grows a very strong and vigorous plant, with large, very white, crisp, brittle, tender, short, broad stalks. It is very late, requiring the whole season to develope, but will keep splendidly



DWARF GOLDEN HEART.



#### GOLDEN SELF-BLANCHING.

all winter. After a thorough trial we recommend it is one of the best late Celeries. Packet, 5c. Ounce, 20c. 1/4 pound, 6oc. Pound, \$1.75.

Gold Self-Blanching.—A most valuable variety which partakes somewhat of the celebrated "White Plume" inasmuch as it does not require such high "banking-up" as the ordinary sorts to be fit for the table. It simply needs a slight earthing-up or handling. It is a beautiful waxygolden color, very solid and ofrich, nutty flavor. Packet, 5c. Ounce, 30. 1/4 pound, \$1.00. Pound, \$3.50.

Giant Golden Heart.—Same as the Dwarf, only the stalks are larger. Packet, 5c. Ounce, 15. 1/4 pound, 5oc. Pound, \$1.50.

#### CAULIFLOWER.

Culture.—Cauliflower is grown in the same manner as cabbage, but requires cool, moist whether and well enriched soil to attain perfection. It is highly valued for the mild, delicate flavor of the white heads.

Early Snowball.—Extensively advertised, this has deservedly attained great popularity, and is now extensively planted. Under favorable conditions nearly every plant will make a fine, solid head of good size. It is of dwarf habit, valuable both for early and late crops. Half sized packet, 15c. Packet, 25c. 1/4 ounce, 75c. 1/2 ounce, \$1.25. Ounce, \$2.00.

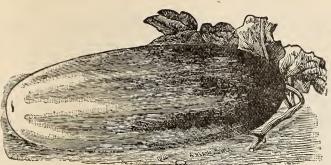
# GELERY PLANTS FOR PRICES

We are prepared to quote Celery Plants at the proper time. We arrange to have all Standard Varieties.

#### SEEDS AND

<u>e. 49 2000</u>





# Cucumbers.

I oz. to 50 hills, I to 2 lbs to an acre.

To 2.10 50 fills, I to 2 los to an acre.

CULTURE.—For growth of cucumbers hills are raised, standing five feet apart. Quite rich, sandy soil is best. If necessary enrich the hills with a mixture of sandy soil and strong rotten manure. For early use, plant in May; for pickling, plant in June or July. Eight or ten seeds should be allowed to each hill, as the young plants are often destroyed by bugs.

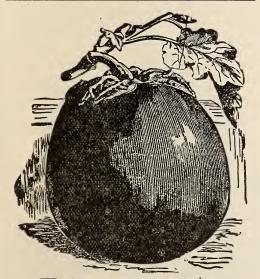
Soon as the plants attain vigor, thin them, leaving the three most promising; if practicable water during the drought, keep soil loose and free from weeds.

and free from weeds.

Early White Spine.—One of the best sorts for table use. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor. In this country this variety is used more, perhaps, than any other for forcing under glass. Packet, 5c. Ounce, 10c. 1/4 pound, 20c. Pound, 70c.

· Improved Early White Spine or Arlington.-A selection from the White Spine, being more pointed at each end. The young fruits are unusually crisp and tender, and are of very darkgreen color, so that the variety is considered by many to be the best for small pickles. Packet, 5c-Ounce, Ioc. 1/4 pound, 20c. Pound, 75c.

Thorburn's Everbearing. - Small-sized, very early, and enormously productive. Continues long



#### EGG PLANT

I oz. will produce 1000 plants.

Sow in March in hot bed, and transplant when two inches high into a second hot-bed, or let them remain and thin out to four inches apart. When the weather becomes settled, transplant into the open ground three feet apart each way. Good culture is quite as important as good seed; work the ground deep; make it rich with well rotted manure and hoe often.

New York Improved Purple.-Oval shape, thornless; dark purple color and rich flavor. Package, Ioc. Ounce, 25c. 1/4 pound, 75c. Pound, \$2.50. in bearing. Packet, 5c. Ounce, 10c. 1/4 pound, Pound, 75c.

London Long Green .- Is the standard late sort, quite crisp, and of good size; it is not so early as either the Spine or France, but is more desirable for a late crop. It is the variety also grown very extensively in New Jersey and other sections for pickling, and for that purpose should not be planted until late in July or early in August, and when of a proper size picked and put in salt and water. Ounce, 10c. 1/4 pound, 20c. Pound, 70c.

Jersey Pickling.—The best general crop pickle. Pronounced by growers to be a perfect pickle in every respect, being very productive; a deep green color. It has no rival. Packet, 5c. ¼ pound, 25c. Pound ,75c. **Gerkin or Burr.**—Used only for pickling.

Packet, 5c. Ounce, 15c.

Black Beauty Egg Plant.—An extra-early variety that recommends itself to all growers. The New Black Beauty, or Cherry Black, originated in South Jersey with a very prominent trucker, who has grown it for a number of years. It combines in itself many characteristics which are very valuable in this vegetable. In the first place, it is very early in fact the earliest good market variety. By this we mean it is the earliest variety that grows to a good size suitable for market purposes. Then, again, it is very desirable in color, being a jet black much the color of the Black Pekin. Packet, ioc. Ounce, 40c. 1/4 pound, \$1.00. Pound, \$3.50.

#### ENDIVE.

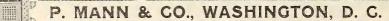
1 oz. to 200 ft. of drill. 3 lbs. to an acre.

CULTURE.—June or July select a bed of good soil, drlll fifteen inches apart, sow seed and cover lightly. The plants should not stand closer than twelve inches. Keep the earth to the stems, destroy weeds and hoe liberally.

Extra Green Curled.-It is the best. Packet, Ounce, 15c. 1/4 pound, 35c. Pound, \$1.25.



FINE GREEN CURLED ENDIVE.





#### SWEET OR SUGAR CORN. MAIZE ZUCKER.



Extra Early White Cory.—One of the earliest known. Large ears, considering size of stalk, small cob well-filled with handsome grains. Dozen,

Adams' Extra Early.—The hardiest and earliest variety for the table use. It can be planted earlier than any other, but it is not a sweet corn; white, indented grains and short ears. Dozen, 25c.

Early Adams.—Similar to Extra Early Adams; larger but not so

early. Often used for the table, particularly in the Southern States. Also a splendid corn to grow for early feeding purposes. Dozen, 25c.

Early Champion.—This is a comparatively new variety, only having

been on the market for a few years, and has proved to be a valuable early variety. It is medium early in ripening, and produces large ears, generally having about twelve rows of beautiful white, milky grains, which are very tender and sweet, and remain so for quite a peroid. This is a splendid variety for planting in the home garden, as it a strong, healthy grower and very productive. These qualities also make a profitable Sweet Corn for the market gardener to plant. Our seed was grown especially for use in Connecticut, and is very pure. Quart, 20c. Peck, \$1.00 Dozen, 40c.

Stablers' Extra Early.—A new variety, of larger size than usual for

the early kinds. It is remarkable for sweetness and earliness. A desirable canning variety. Quart, 20c. Dozen, 40c.

Country Gentleman.—A new corn of merit and desirable for family The grains are irregular, compact and sweet. Quart, 20c. Peck, \$1.00.

Bushel, \$3.00. Dozen, 40c.

Stowell's Evergreen.—See illustration engraved from a photograph of an ear of our improved strain. The seed which we offer is free from glaze and flint, and has been grown completely isolated from all other varieties. Its qualities will not be found in the Stowell's Evergreen Sweet Corn as usually sold, which has deteriorated generally, both in quality and productiveness. For canning purposes the Improved Stowell's Evergreen Sweet Corn will prove most satisfactory: its large ears with long slender grains make the prove most satisfactory; its large ears, with long, slender grains, make the most salable canned corn. Quart, 20c. Peck, 90c. Bushel, \$3.00 Dozen, 35c.

Mammoth Late.—This produces the largest ear of any, a single ear

sometimes weighing two or three pounds. It ripens a little later than the Evergreen, with larger cobs, the kernels being flatter, not horse-tooth shape.

Quart, 20c. Peck, 90c. Bushel, \$3.00. Dozen, 35c.

Stowell's Evergreen.

# KALE or BORECOLE.

I1/2 to 2 pounds to an acre.

Culture.—Sow in drills or broadcast, in the fall or spring. It will mature without further attention unless weeds get the start, when the latter must be removed and the earth loosened.

Curled German.—Curly, dwarf, hardy and a rapid grower. Packet, 5c. 1/4 pound, 15c. Pound, 50c.

#### KOHL RABI.—(Kohl Rabi.)

I ounce to 200 feet of drill. 11/2 pounds to an acre.

CULTURE.—Sow in April in rows eighteen inches apart, thinning out to eight inches between plants.

Early White Vienna —This forms a bulb above ground, and its flavor mingles the peculiarities of the cabbage and turnip. Packet, 5c. Ounce, 20c. 1/4 pound, 50c. Pound ,\$1.50.



Broad London or Large American Flag. -Best American-grown seed. Packet. 5c. Ounce, 15c. 1/4 pound, 35c. Pound, \$1.15.

#### <u>Lenguaga kalangan kalangga kalangga kalangga pangga kalangga kalangga at bilangga kalangga kalangga kalangga </u> SEEDS AND IMPLEMENTS

# LETTUCE --German, Lattich Salat.

I oz. to 3,000 plants. 3 lbs. to an acre.

CULTURE.—Sow in hot-beds or the open ground during April and May for summer supply. Plants may be grown on a temporary bed and transplanted; or the seed may be sown where the lettuce is to mature. For a permanent bed, select rich light soil, spade deeply, in-corporate manure and lay off in drills two feet apart.

Salamander—B. S.—Compact, tender heads, resisting summer heat. Ounce,, 15c. <sup>1</sup>/<sub>4</sub> pound, 25c. Pound, \$1.00.

New Iceberg.—Quick growing heads, hard and handsome. Tender and true. There is no handsomer or more solid cabbage lettuce in cultivation—in fact, it is strikingly beautiful. Packet, 5c. Ounce, 15c. ¼ pound, 3oc. Pound, \$1.00.

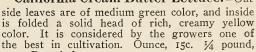
Tennis Ball, Black Seeded. -A favorite forcing variety, forming a large head. It makes but few outer leaves, and for this reason can be planted quite closely under glass. Pocket, 5c. Ounce, 15c. 1/4 pound, 25c. Pound. \$1.00.

Deacon Lettuce.—Large, solid, long standing summer lettuce. Heads light green in color, and very pleasing to the eye. Stands long while without going to seed. Packets, 5c. Ounce, 15c; ¼ pound 35c. I pound, \$1.00.

Defiance.—This is considered one of the very best lettuces. It is of fine quality, crisp and tender, and remains in prime condition a long time before going to seed. Packets, 5c. Ounce, 15c. 1/4 pound, 35c. 1 pound, \$1.00.

Early Curled Simpson Lettuce.—Heads are a yellowish green, are compact mass of curly leaves, very tender. Packet, 5c. Ounce, 15c. 1/4 pound, 25c. Pound, \$1.00.





Improved Big Boston Lettuce.—Identical in color, shape and general appearances as the Boston Market Lettuce, but double the size. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort, desirable either for cold frames or

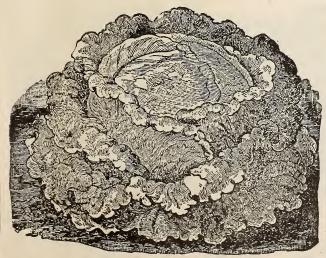
> open ground planting. It heads up well all seasons of the year, and is of crisp, tender quality. Packet, 5c. Ounce, 15c. ¼ pound, 3oc. Pound, \$1.00.

> Early Prize Head.—Large, loose heads, tinged with brown, fine flavor. Packet, 5c. Ounce, 15c. 1/4 pound, 3oc. Pound, \$1.00.

#### Boston Market, or Tennis Ball.

-This variety is used specially for green house and hot-bed cutlure, because it can be planted very close. It grows very compact, fair size, heads slightly tinged with red on edge of leaves. Packet, 5c. Ounce, 15c. ¼ pound, 3oc. Pound, \$1.00.

Oak Leafed.—This differs from all other varieties in the fact of its having oak-shaped leaves, which are very tender and crisp, one of the best to withstand the Summer heat. Packages, 5c. Ounce, 15c. ¼ pound, 3oc. Pound, \$1.00.



BIG BOSTON LETTUCE





#### MUSKMELON.-Zucker Melone.



BALTIMORE OR ACME CANTALOUPE.

Baltimore Nutmeg--Cantaloupe—(ORIGINATOR'S STOCK.)—Has a beautiful, heavily netted green skin; good size, in shape a desirable and distinct oval, and slightly ribbed; flesh thick, green, very finely flavored, smooth and sweet; very productive, and NEVER BURSTS OPEN AT BLOSSOM END. Packet, 5c. Ounce, IOC. 1/4 pound, 20c. Pound, 6oc.

pound, 20c. Pound, 60c.

Extra Early Hackensack.—It produces melons equally as large and with all the good qualities of the well-known Hackensack, but two weeks earlier; heavily netted, and has light-green flesh of delicious flavor. Its shape and solidity

admit of its being packed very closely in crates for shipment, and will keep in good condition for several days after picking. Seeds do not shake loose en route, as in many sorts. Packet, 5c. Ounce, 10c. 14 pound,

25c. Pound, 75c.

Rocky Ford Netted
Gem.—Our stock is specially grown for use in the
famous Rocky Ford melon
district, and is a particularly valuable strain for
shippers. It is uniform in
size, thickly netted, distinctly ribbed, firm-fleshed
and of most delicious
flavor. Package, 5 cents.
Ounce 10c. 1/4 pound, 20
cents. Pound 60 cents.
Special price in large lots.

Emerald Gem.—Medium size nearly round; flesh a delicate light salmon color, very thick, fine grained, and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted. One of the best for home use. Packets, 5c. Ounce, 10c. 1/4 pound, 25c. Pound, 75c.

Champion Market.—Fruit large, round or oval, with shallow depressions and covered with dense netting. Flesh green, very thick and sweet. This variety will suit those who like a large, sweet, green fleshed sort. Package, 5c. Ounce, 10c. 1/4 pound, 25c. Pound, 75c.

The Paul Rose Muskmelon.—It is a cross between the Osage and Netted Gem, and combines the best features of the originals. The

fruit is oval, medium size, dark exterior, thickly netted; with rich salmon flesh, so thick as to nearly close the seed cavity. Packet, 5c. Ounce, Ioc. 1/4 pound, 25. Pound, 75c.

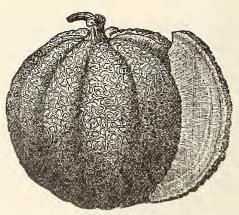
25. Pound, 75c.

Jenny Lind.—Fruit small, somewhat flattened, deeply ribbed; flesh green and exceedingly sweet. It ripens early and on account of its size is particularly good for hotel use. Package, 5c. Ounce, 10c; 1/4 pound, 25c. Pound, 75c.

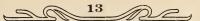
Pound, 75c.

Tip Top.—For splendid eating qualities, this melon is certainly rightly named, for it is one of the most delicious flavored and finest table mellons in existence. It grows to a large size, has thick orange

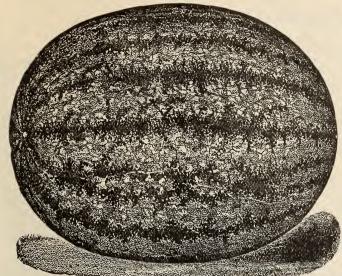
flesh and is sweet, jucy and of the finest flavor, even close to the rind. Package, 5c. Ounce, 10c. 1/4 pound, 50c. Pound, \$1.50.



EXTRA EARLY HACKENSACK.







# Watermelon.

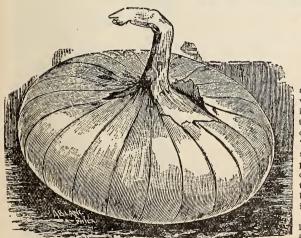
Wassermelone.

CULTURE.-Plant in hills six of eight feet apart, in May. Select warm, light, dry ground, and in preparing the hills let them be dug out as broad and deep as the soil will admit; fill at least one-third full of the best decomposed stable manure, and mix thoroughly with the soil; fill up a little above the level of the ground.

Burpee's Cuban Queen.-This magnificent melon from the West Indies was first brought prominently before the public by us in 1881. The skin is beautifully striped, dark and light green. The flesh is bright red, remarkably firm, luscious, and the rind is quite thin for so large a melon. Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound, 50c.

3	, 5		
Kolb Gem. Very large; flesh red, a good shipping sort. Very popular in the	Per oz.	¼ 1b.	Per 1b.
South	\$0 10	\$0 15	\$0 50
Sweet Heart. Oval form; mottled light green skin; red flesh	10	15	50
Duke Jones. A famous new Southern melon, introduced in 1895	10	15	50
Florida Favorite. An oblong melon of fine flavor	10	15	50
Girardeau's New Favorite. An improved Florida favorite	10	15	50
Pride of Georgia. Round in shape; skin stripped	10	15	50
Seminole. Similiar to Jordon's Monarch	10	15	50
Ice Cream or Peerless. True white seeded; oblong, luscious	10	15	50
The Boss. A fine, oblong melon; of small size; good flavor	10	15	50
Halbert Honey. The strong points in favor of this new Watermelon are its			
suberb flavor, sweetness, tenderness and fine table qualities	10	25	75
Striped Gypsy, or Georgia Rattlesnake. A large, oblong melon	10	20	60
Kleckley's Sweets or Monte Cristo. This is one of the earliest melons in our			
list to ripen, and is also one of the sweetest and best flavored	10	20	60
Colorado Preserving. The best for citron preserves	10	25	75

Each of the above Watermelons, 5 cents per packet.



White Silver Skin.—The leading sort of white onion. Skin is of a beautiful, clear white color; flavor mild and a most excellent keeper. Packet, 5c. Ounce, 15c. 1/4 pound, 5oc. Pound, \$1.60.

Australian Brown.—Nearly round, medium size, with skin of a deep amber brown, extremely hard and firm, of fine flavor, and will keep almost indefinitely. Packet, 5c. Ounce, 15c. ¼ pound, ONION SEED.

Zwiebel.

Onion seeds should be sown as early as it is possible to work the ground, in drills one inch deep and twelve to sixteen inches apart, in rich soil, deeply dug and lightly roll ed. Thin to one inch apart. When sowing for sets, seeds must be put in very thick, at the rate of about twenty pounds to the acre. The same patch may be used year after year for onions and never made too rich.

To raise large onions, select a bed of rich soil, work it deeply and add decayed manure plentifully.



Yellow Globe Danvers .- Yellow skin, mild fine flavor, and very hardy. Ounce, 15c. 14 pound, 4oc. Pound, \$1.25.

pound, 40c. Pound, \$1.25.
White Portugal.—Pure white skin. Ounce,

c. 14 pound, 50c. Pound, \$1.60.

Southport Vellow Globe.—Of the same general character and quality as the Red Globe, but the color is a rich yellow. Packet, 5c. but the color is a rich yellow. Package, 5c. Ounce 200 Li pound for Paud Sach



#### P. MANN & CO., WASHINGTON, D. C.



#### ONIONS.—Continued.

Prizetaker. —This is the large, beautiful onion that is seen every fall offered for sale at the fruit stores in Baltimore and other large cities. They are a rich straw color and of enormous size. Although of such large size it is very hardy and an excellent keeper. The flavor is mild and delicate, making the Prizetaker a favorite variety for salads. Ounce, 15c. ½ pound, 4oc. Pound, \$1.25.

#### ONION SETS.

Three quarts will plant 100 yarys of row; 10 bushels will plont an acre.

PRICES SUBJECT TO CHANGE.

Onion sets, both rare ripes and tops, are placed on the surface, in shallow twelve-inch drills, about four inches apart, and lightly covered. Potato onions are planted in spring or fall, as they will survive the winter. By this process early onions may be obtained several weeks earlier than from seed.

> WHITE ONION SETS, Per qt. 15c. YELLOW ONION SETS, Per qt. 15c.

For sets in quantity, get special quotations, as prices vary during the season of planting.

#### OKRA, OK GOMBO.

Safran-Quimbombo---Othro.

Select warm, rich soil and plant in rows two feet apart, thinning plants a foot apart in rows. The pods are used to thicken soups, being gathered young. Okra is preserved for winter use by slicing the pods into rings and drying them upon strings hung up and exposed to the air.



White Velvet.—Pods round, smooth, free from seams, very prolific. Price, per packet, 5c. Per ounce, 10c. Per pound 50c.

Dwarf Green Prolific, or Density,—A very dwarf and prolific variety. Pods green, smooth, and thickly set. Price per packet 5c. Per ounce, 10c; per pound, 50c.

#### PARSLEY.

(Petersilie.)

I oz. to 150 feet of drill.

Sow in rows I foot apart and I inch apart. The seed is slow to germinate and should be given the most favorable conditions. A deep, rich loamy soil is required. For winter use a few plants Placed in a box in the cellar will give a supply give a supply.



#### PARSNIP.

(Pastinake.)

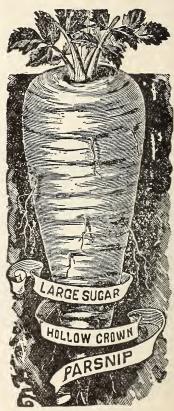
1 oz. to 150 feet of drill.

Sow as early in the spring as the weather will permit in drills fifteen inches apart and half an inch deep, in rich, well-manured ground, well dug. Cultivate similar to carrots, and thin out to six inches apart in the rows to creep. To keep well in the ground over winter. draw a little earth over ths tops.

Hollow Crown, or Large Sugar.—The best variety in cultivation for general use; roots white, smooth, of intermediate length, sugary, of excellent flavor. Packet, 5c. 1/4 pound, 15c. Pound, 40c.

Extra Dark Moss Curled.—The large leaves are very heavily crimped and curled, being quite moss-like in appearance and of peculiarly rich extra dark green coloring. Very productive, and most attractive as a garnish, both on account of this deep-green coloring and fine mossy apearance. Packet, 5c. ½ pound, 15c. Pound, 5oc.

Fine Double Curled.-Plants of dwarf, compact growth, and the young leaves have the edges heavily crimped, being of quite moss like appearance. Packet, 5c. 1/4 pound, 15c. Pound, 5oc.







#### PEPPER. One ounce will praduce about 2000 plants.

CULTURE.—Sow in hot-bed in April, and in warm, settled weather transplant outdoors 18 inches apart in rows 3 feet apart, or when all danger of frost is past, sow in open ground and thin.

Chinese Giant.—The largest and finest mild Red Pepper; double the size of Ruby King. Packet, 10c. 1/4 ounce, 20c. Ounce, 65c. 1/4 lb. \$1.50.

Ruby King. Ideal Pepger for filling and pepperhash. Each plant produces from 6 to 12 handsome large, mild fruits.

Improved Golden Queen. Bright golden yellow, most productive of all. Fruits large, handaome, mild and pleasznt.

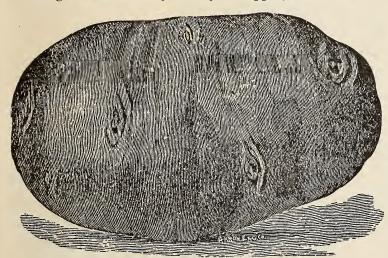
Large Bell, or Bull Nose. Early, large, red; mild. Long Red Cayenne.

Oz.	¼1b.	Lb.
\$0 20	\$0 50	\$1 90
20 15 15	50 40 40	1 60 1 50 1 50

Large Packets of any variety of Pepper, 5 cts. each.



Ruby King.



# Aroostook Grown SEED POTATOES

The potatoes we offer are carefully selected by experienced and reliable growers in the most favorable locations of the North. They can be depended upon as being strict-first-class and true to name. Special prices will be given on application.

Early Cobbler. (Irish Cobbler.) —One of the most reliable first early potatoes ever sent out. It ripens almost with the Early Ohio, and so uniform that every hill seems to ripen all at one time. The value of this feature will be at once apparent to the market gardener who always likes to dig the entire crop at one time and follow with a crop of something else from the same ground.

Extra Early Bovee.—A most desirable new Potato introduced several years ago, has become very popular. Reported 12 days earlier than Early Ohio, and is the earliest Potato we know of. The best Potato of the Early Hebron type. Vines dwarf and stocky; tubers have pink skin and are smooth, handsome and of fine quality. Heavy producer.

Early Rose.—For a generation the standard Potato of the whole country for earlies, yield, thrift, beauty, and table qualities, because it always succeeds well in any soil in any climate and in any latitude; too well known to need description. Our stock is strictly pure.

Early Beauty of Hebron.—For many years a standard variety, nearly as early as the Early Rose, but exceeds this variety in productiveness, and of fine table qualities.

XX Early.—This is one of the earliest potatoes grown; it will bear heavy manuring with commercial fentilizer, yields well; is free from blight; potatoes come to eatable size very early and eat well. Rose color, but more oval in form; good for the farm or market garden. Stock limited.

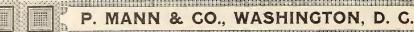
Early Harvest.—Originated in Maine, and grown successfully for several seasons; tubers white, of finest quality, oblong in shape, good shipper, and may be considered as a second early variety.

Early Northern.—Originated in Aroostook, introduced in 1892. A seeding of the Early Rose, which it much resembles in appearance; earlier than Early Rose and more prolific. Table qualities unexcelled, very hardy.

Green Mountain.—White skin, flat, oval form, smooth, of good appearance; fine for the table when well grown; ripens slowly and is a good keeper; valuable for late crops; now taking the lead in all markets.

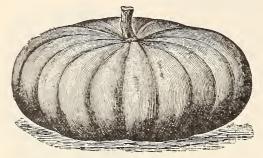
#### NEW JERSEY GROWN SEED SWEET POTATOES.

Prices Quoted on Application.









### PUMPKINS.

Large Cheese .- A good cooking variety, cheese shape, creamy yellow color, flesh fine grained, and one of the best for pies. Price, per packet, 5c. Per ounce, 10c. ½ pound 20c. Per pound, 50c.

Japanese Pie.—Crooked-necked variety; extremely small seed cavity; nearly all solid meat; quality extra fine. Seeds distinct in appearance. Productive; ripens early; medium size; good keeper. Easily cut and dried like apples, and makes excellent pies or sauce for winter use. Packet, 5c. Ounce, 10c. 1/4 pound 20c. Pound, 60c.

LARGE SWEET CHEESE PUMPKIN.

Large Common Yellow Field (Yankee Cow Pumpkin, Connecticut Field.)-Hardiest of all Pumpkins, good for pies and stock feeding. 4 pound, 10c. Pound 30c. Quart, 25c.

Mammoth Tours.—Immense size, often weighs 110 pounds. Packet, 5c. Ounce, 10c. 4pound,

20c. Pound, 6oc.

# PEAS.

On account of the very short crop in some varieties of Peas, prices are subject to change without notice.

Peas mature early in a light, rich soil. For a general crop, a rich deep loam, or inclining to clay, would be best. They thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires manuring, use well rotted manure, and for the dwarf varieties you can hardly make the soil too rich. When grown for a market crop they are seldom staked or brushed, but are sown in single rows, I inch apart and 3 to 5 inches deep, the depth depending on time of sowing, nature of soil, as well as variety. Rows should be from 2½ to 3½ feet apart, according to variety and manner of culture desired. When grown in gardens it is best to sow in double rows, 6 to 8 inches apart, the tall ones requiring brush, which is stack in between the rows. Commence sowing early varieties as early as the ground can be worked in the Spring, and continue, for a succession, every two weeks up to June, discontinuing until the middle of July, when a good crop can usually be secured by sowing the extra early and early sorts. They should be kept clean with the cultivator or hoc, and earthed up twice during growth. Wrinkled ally be secured by sources and the cultivator or hoc, and earthed up twice during growth. Wrinkled varieties are not as hardy as the smooth hard sorts, and if planted early should have dry soil and not planted deep, or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. One quart sows 80 feet of drill; two or three bushels to the acre.

#### (PEAS.—Erbsen.)

Extra Early Alaska. - The earliest blue pea. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable pea for market gardeners. Height two \$1.00. Bushel, \$3.50. Height two feet. Quart, 20c. Peck,

First and Best. -It is very profitable for the gardener and shipper because it is very early, ripens uniformily, so that all the pods may be picked within seven weeks from the time of planting, and that at one picking. Quart, 20c. Peck, 75c. Bushel, \$3.00.

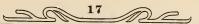
Allan's Maud S .- Undoubtedly the most popular early pea for market gardeners yet produced. Seed round, light cream color, slightly dented; height 2½ ft. Quart, 25c Peck, \$1.00. Bushel. \$3.50.



#### EXTRA EARLY ALASKA:

Nott's Excelsior Pea.—The best and sweetest early Dwarf Wrinkled Pea. Robust and vigorous in growth, producing in profusion long, handsome pods. Seed green, wrinkled. Height, 12 inches. Price, per quart, 25c. Per peck, \$1.75. Per bushel, \$6.50.

American Wonder.—This variety stands unrivaled in point of productiveness, flavor, and quality, and is without exception the earliest wrinkled pea in cultivation. It is of dwarf and robust habit, growing from ten to fifteen inches high, and produces a profusion of good sized and well filled pods of the finest flavor. Dry peas, medium size, wrinkled and flattened, pale green, Requires liberal fertilizing. Quart, 25c. Peck, \$1.60. Bushel, \$6.00.





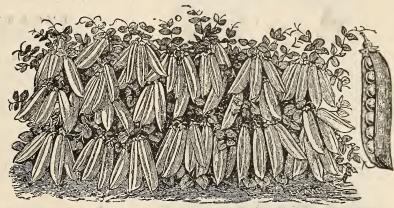
#### PEAS-Continued.

#### Wrinkled Varieties.

Premium Gem.—This variety is nearly as early as the American Wonder, and the vine is decidedly larger, growing to a height of from twelve to fifteen inches, and bearing an immense crop of pods, which are larger and invariably well filled with peas of best quality. Quart, 25c. Peck, \$1.60. Bushel, \$6.00.

Gradus (Prosperity.)

—Probably the best extra
early pea yet introduced.
Only two or three days later
than Alaska, and a wrinkled
pea of excellent quality.
Quart, 35c. Peck, \$2.25.
Bushel, \$9.00.



#### PREMIUM GEM PEAS.

Allan's Admiral Dewey.—Pods at the largest size frequently 6 inches in length. Straight, round at the point, deep green in color and of the richest flavor; height, 3 ½ ft. Quart, 25c. Peck, \$1.25. Bushel, \$4.50.

Carter's Telephone.—A luscious wrinkled pea-pod, large size, and peas excellent quality, an enormous cropper, grows four feet high. Quart, 25c. Peck ,\$1.50. Bushel, \$6.00.

Horsford's Market-Garden.—A first-class wrinkled Pea; second early; height 24 inches. Does not require stakes. Is profitable sort for market-gardners; a single plant has been known to produce 150 pods. It is equally good for the home table. The pods are borne in pairs, and are easily and quickly picked. Quart, 20c. Peck, \$1.00. Bushel, \$3.50.

Bliss' Everbearing.—This variety, introduced a few years ago, has proved a favorite for general use; branches considerably if not too thickly planted; large, well filled pods. Quart, 20c. Peck, \$1.25. Bushel, \$4.50.

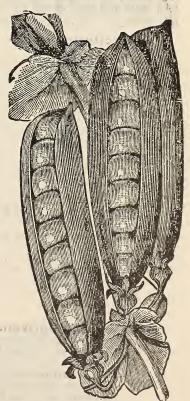
Bliss' Abundance.—A wrinkled medium early pea of excellent quality; of branching habit and about two feet high. Pods of good length and well filled. Quart, 25c. Peck, \$1.00. Bushel, \$4.00.

Champion of England.—Wrinkled.—A green wrinkled variety, famous for its delicious flavor Consider it one of the finest varieties for family use, and will follow any of the second early varieties in ripening. Quart, 20c. Peck, 90c. Bushel, \$3.25.

#### GENERAL CROP.

**Dwarf White Marrowfat.**—Height three and a half to four feet. Peas large, standard variety. Quart, 15c. Peck, 75c. Bushel, \$2.50.

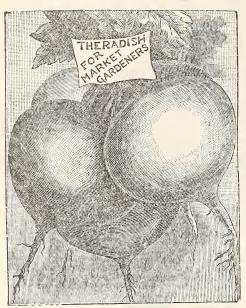
Black Eye Marrowfat.—Quart, 15c. Peck, 75c. Bushel, \$2.50.



TELEPHONE.



# RADISH—Rettig.



#### Philadelphia White Box.

One ounce will sow 100 feet of drill, 9 pounds will sow an acre.

CULTURE.—Select light sandy soil; spade deeply and manure well. For early crop, sow in hotbeds in February or March. For main crop, sow at intervals from early spring until last of September, in deep, rich soil. Broadcast sowing is allowable, but drilling is more professional; however, radishes do well by either method. Thin when they crowd, or the crop will be imperfect. They may be drawn after a few weeks' growth.

#### Early Varieties.

Philadelphia White Box—Has a very small top, color white, turnip shape, equally valuable for growing under glass or in open ground. Packet 5c. Ounce, 10c. 1/4 pound, 20c. Pound, 6oc.

Vick's Scarlet Globe—Very early for forcing; globe form and beautiful. Try it in your hotbeds. Packet, 5c. Ounce, 1oc. 1/4 pound, 2oc. Pound, 6oc.

Early Scarlet Turnip (White Tipped)—Early; fine grain and flavor; round with white tip. Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound, 5oc.

Early Scarlet Turnip.—Small, round, mild and crisp, a standard early sort. Packet, 5c. Ounce, 10c. 1/4 pound, 15. Pound, 50c.

**Deep Scarlet Turnip.**—Very early and a good forcing variety. Packet, 5c. Ounce, 1oc. ¼ pound, 15c. Pound, 5oc.

Early Long Scarlet.—Short top, long, deep scarlet roots, fine flavor. Packet, 5c. Ounce, 1oc. ¼ pound, 15c. Pound, 4oc.

French Breakfast.—A quick growing, oval-shaped radish, light color and white tip. Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound, 5oc.

Long Brightest Scarlet.—This is an improvement of the old time scarlet, being somewhat thicker and not quite so long; color bright scarlet, white tip, is very early, mild flavored, fine for forcing or out-door planting. Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound, 50c.

Long White Vienna or Lady Finger.— This in shape resembles the long scarlet; color snow white; it is of very rapid growth, and remarkably crisp, brittle and tender. Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound, 5oc.

#### Summer Varieties.

White Strasburg.—Large white radish, which stands summer heat, handsome shape and pure white color. (See cut). Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound, 40c.

Now Chartier—The color at top is crimson running into pink at middle, and thence downward to pure waxy white. It will attain a very large size before it becomes unfit for use. Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound, 5oc.

Chinese Winter Rose.—Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound, 40c.

Round Black Spanish Winter.—Packet, 5c.. Ounce, 1oc. ½ pound, 15c. Pound, 4oc.

Long Black Spanish.—Packet, 5c. Ounce, 10c. 1/4 pound, 15c. Pound, 40c.



White Strasburg Radish.







# RHUBARB.

Very familiarly known as the Pie Plant. The foot stalk is the portion that is used, and is the first vegetable of the season from the garden; cultivated to a great extent, and is indispensable wherever it is snown. Sow the seed early in the spring, in rows I foot apart, on rich ground; the second year after planting they can be removed, in autumn, to the permanent spot allotted to them; plant the roots 2 feet apart each way, in ground that is well enriched, at least 2 feet deep. Packet, Ioc Ounce, 20c. 1/4 pound, 40c. Pound, \$1.50. Roots, 75c. per dozen; \$4.00 per hundred.

# Spinach.

For spring use sow early in drills I foot apart, and for succession sow every two weeks. As it grows thin out for use, keeping it clear from weeds. For fall use sow in August; for winter use sow in September in ground well manured; mulch with straw on approach of severe cold weather. One ounce of seed for 100 feet of drill; 10 pounds for an acre.

Long Standing.—The best for spring sowing, because it will stand longer before running to seed than any other variety. ½ pound, Ioc. Pound, 25c.

Bloomsdale Savoy.—Well known and popular with market gardeners. The best and most profitable. Very curly. ¼ pound, 1oc. Pound, 25c. 10 pounds or over, 20c.

Price on spinach seed in larger quantities will be given on application.

#### SALSIFY. Vegetable Oyster.

5 to 8 pounds to an acre.

CULTURE. — Sow early in spring in drills fifteen inches apart; cover with fine soil one and a half inches deep; thin to six inches apart. As soil is strong and inclines to depth and lightness, it proportionately is adapted to salsify. As the leaves resemble grass, be careful they are not mistaken in weeding. Salsify keeps over winter like parsnips.

Sandwich Island Mammoth.—A new and improved Salsify. Roots are very large and superior; grown extensively for our large city markets; much superior to other sorts. (See cut.) Packet, 5c. Ounce, 15c. 1/4 pound, 25c. Pound, 90c.

very good variety for general use; handsome shape, large and smooth. Packet, 5c. Ounce, 15c. 44 pound, 25c. Pound, \$1.00.



# Squash.

(Kurbis.)



#### Early White Bush Squash.

Bush sorts, I ounce for 50 hills. Bush varieties, 5 to 6 pounds, and running varieties, 3 to 4 pounds, in hills for an acre.

CULTURE.—After the weather is settled and warm, plant in hills five to eight feet apart. Rich soil is best, but if necessary the hills alone may be enriched. Allot eight seeds to a hill, but do not allow more than three vigorous plants to remain at each hill. Keep soil loose and free of weeds. Water is drought prevails.

Early White Bush Scalloped, or Patty Pan.—The best for early market use. Preferred for table. (See cut.) Packet, 5c. Ounce, 10c. 1/4 pound, 20c. Pound, 60c.

Summer Crookneck.—Early, fine flavor;

Summer Crookneck.—Early, fine flavor; a desirable table sort. Packet, 5c. Ounce, 10c. 4 pound, 20c. Pound, 6oc.
WinterCrookneck.—Flesh red, fine flavor;

WinterC rookneck.—Flesh red, fine flavor; largely grown for winter use. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 6oc.

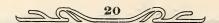
Boston Marrow.—A splendid winter squash

Boston Marrow.—A splendid winter squash of good keeping qualities. Flesh bright orange, fine grain and flavor unsurpassed. It is oval-shaped and thin skin of bright orange color. For pies i is equal to the best pumpkin. (See cut.) Packet, 5c. Ounce, 1oc. 1/4 pound, 2oc. Pound, for

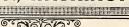
**Hubbard.** —A desirable sort, suitable for winter use. Packet, 5c. Ounce ,1oc. 1/4 pound, 2oc. Pound, 75c.



Boston Marrow Squash.







# TOMATO-Liebesapfel.

For very early fruit the seed should be sown in a hotbed about the first week in March in drills 5 inches apart and half inch deep. Later sowings may be made until the last of April. Sufficient plants for a small garden may be started by sowing a few seed in a shallow box or flower pot and placing in a wiudow in the house. When the plants are 3 or 4 inches high they should be set out 4 or 5 inches apart in another hot-bed or cold frame, or removed iinto small pots, allowing a single plant to a pot. Exposc to the air as much as possible to harden. Water freely at time of transplanting, and sheller from the sun a few days until the plants are established. Cultivate thoroughly as long as vines will permit, but the last two or three workings should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultiuator is run too near the plants. Tomatoes will admit of training to stakes or trellises, and the fruit is very much improved, not only in appearance but in quality. This mode of cultivation is quite common among gardeners who grow for early market.

Sparks' Earliana.—An extremely smooth

Sparks' Earliana.—An extremely smooth bright red tomato of good size and flavor. Developed on the warm, sandy soil of New Jersey, where the greatest competition lexists among growers to be first in the market. Seed we offer is grown from selected stock. Packet, Ioc. Ounce, 35c. 1/4 pound, \$1.00. Pound, \$3.00.

A c m e.—One of the earliest and best purple sorts; of medium size, perfectly smooth, very solid and a great bearer, crimson color with pinkish cast. Packet, 5c. Ounce, 15c. 1/4 pound, 4oc. Pound, \$1.50.

**Buckeye State.**—Very productive; large, smooth, purple. Packet, 5c; Oounce, 2oc. ½ pound, 6oc. Pound, \$2.00.

Trophy.—Very large, solid, and generally smooth; selected strain. Packet, 5c. Ounce, 2oc. 1/4 pound, 6oc. Pound, \$2.00.

**Prizetaker.**—A splendid marketable tomato. Packet, 5c. Ounce, 2oc. ½ pound, 5oc. Pound, \$1.5o.

Queen.—Large perfect tomato. Packet, 5c. Ounce, 20c. ¼ pound, 5oc. Pound, \$2.00.

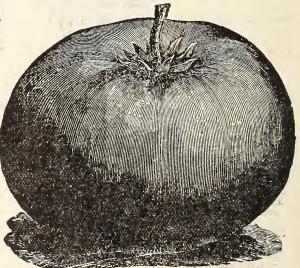
Dwarf Champion.—This new tomato is dwarf and compact in growth, the plants growing stiff and upright, with thick jointed stems and foliage unlike any other tomato. It is very early, smooth, medium size, sound, handsome, and abundant bearer. Packet, 5c. Ounce, 25c. 1/4 pound, 75c. Pound, \$2.50.

New Favorite.—This is a large, perfect shaped tomato. One of the best. Packet, 5c. Ounce, 20c. 1/4 pound, 5oc. Pound, \$1.75.

Royal Red.—The characteristics of the Royal Red Tomato are that it is very nearly round in shape, a deep red in color, and colors and ripens through and up to the stem. The fruits run large in size, and the yield is very prolific. The vine is a very thrifty grower, deep green in color. A very desirable variety, both for market and canning. Packet, 5c. Ounce, 20c. 1/4 pound, 50c. Pound, \$1.75.



Livingston's Beauty Tomato.— The finest, large-fruited, early purple variety. A decided favorite for home market or shipping, being early, hardy, a strong grower, productive, large, always smooth, perfect shape and excellent in quality. Color a very glossy crimson with a tinge of purple. Grows in clusters of 4 to 6 large fruits, retaining its large size late in the season. Ripens early and is entirely free from ribbed and elongated fruit. Flesh very firm, has a tough skin and but few seeds. Seldom rots or cracks after a rain. Packet, 5c. Ounce, 20c. 1/4 pound, 60c. Pound, \$1.75.



PRIZE-TAKER TOMATO.

Trucker's Favorite.—The best of all main crop, purple colored tomatoes. It is one of the largest tomatoes grown, and is most regular in shape and size. Color purplish-red, very solid, firm flesh, a good keeper, and not subject to rot or crack on the vines. Packet, 5c. Ounce, 30c. 1/4 pound, \$1.00.

MARKET GARDDNERS WRITE FOR SPECIAL PRICE LIST.

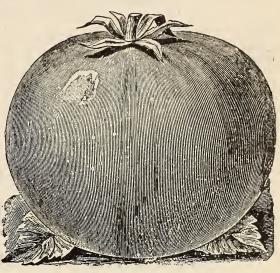


# TOMATO-(Continued.)

New Stone.—This variety has obtained great favor with canners and market gardeners everywhere. Its solidiy and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome and salable. Packet, 5c. Ounce, 20c. 1/4 pound, 50c. Pound, \$1.75.

Ponderosa. —It is the largest fruited deep colored Tomato known, of fine quality, solid, almost seedless and free from acid. The vines are strong, rather open growth; fruits largely oblong in form and deep through, but quite a percentage are too rough to please some growers. Packet, 5c. Ounce, 25c. ½ pound, \$1.00. Pound, \$3.50.

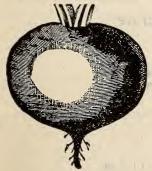
Matchless.—One of the best main crop Tomatoes. The solidity, absence of core, size and color of the fruit, together with its freedom from rot, all unite in making this well worthy of the name of "Matchless." Fine both for private and market garden and canning. Packet, 5c. Ounce, 20c. 1/4 pound, 6oc. Pound, \$2.25.



NEW STONE TOMATO—BEST FOR MAIN CROP.

# TURNIP.

For early crop sow in latter part of April; for fall and main crop from middle of June until last of August. One pound is sufficient to sow an acre.



Purple Top Globe.

white Flat.—A rapid growing white, flat, strap leaf turnip, with purple top; mild flavor, and very popular for early use and general crop. Oz., 5c. Lb., 40c.

Purple Top

Purple Top White Globe.—A standard white variety, with purple top, handsome globeshaped, and heavy cropper; leading tur-

nip among truckers and gardeners. Ounce, 5c. Pound, 4oc.

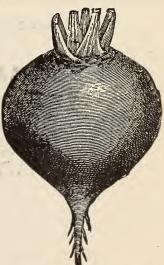
Amber Globe.—A good variety for general crop. Flesh solid and sweet; keeps well late in spring, grows large; fine for table or stock.

Ounce, 5c. Pound, 40c.

Yellow Aberdeen.—Hardy, good keeping

Yellow Aberdeen.—Hardy, good keeping turnip; yellow flesh and very productive. Ounce, 5c. Pound, 4oc.

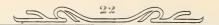
Improved
American
Purple-Top
Ruta-Baga.—
Very hardy and
productive; flesh
yellow, solid and
sweet; good for
table use or
stock. Ounce, 5c.
Pound, 4oc.



Rutabaga or Swede.

NOTICE

The greatest care is taken to supply every article true to name, and of the very best quality; at the same time it is understood that we do not warrant our seeds and that we are not in any respect responsible for any loss or damage arising from any failure thereof.









#### SEEDS OF POT AND SWEET HERBS.

CULTURE. ——Sow in the spring, and when well up thin out or transplant. The varieties marked with an asterisk (\*) are perennial.

Pkt.	Oz.		Oz.
ANISE. For garnishing and season-		*HOARHOUND. For coughs\$0 05	\$0 25
ing\$0 05	\$0 IO	*LAVENDER. Highly aromantic 05	15
*BALM. For use in fevers 05	25	MARJORAM, SWEET. Used for	
BASIL, SWEET. Used in soups 05	20	seasoning 05	20
*CARAWAY. Seed is used in con-		*SAGE. For dressing and sauces 05	15
fectionery	IO	SUMMER SAVORY. For soups and	
CORIANDER. Seed used in confec-		dressings	15
tions 05	IO	*THYME. For seasoning 05	30
DILL. Used in soups, etc 05	IO	WINTER SAVORY. For season-	
*FENNEL. Used in fish sauces 05	IO	ing 05	20

## Selected

# HIGH-GRADE FLOWER SEEDS.

#### NEW AND DESIRABLE VARIETIES.

Put up nicely in Illustrated Papers, explaining Culture, etc.

#### SUMMER FLOWERING BULBS.

CALADIUM, OR ELEPHANT EARS.

GLADIOLA AND TUBEROSE BULBS.

DAHLIA, CANNA AND MADEIRA VINE ROOTS.

# SWEET PEAS.

Eckford's Fine Mixed.—This is a splendid mixture which includes nearly all of the best varieties. Packet, 5c. 1/4 pound, 15c. Pound, 40c.

# NASTURTIUM (TROPAEOLUM)

Dwarf and Climbing

Pckt, 5 ounce, 10c

#### TROWBRIDGE'S

GRAFTING WAX.

The finest quality made, put up in neat packages with directions for use. 30c per pound. 1/2 pound packages, 15c. 1/4 pound packages, 10c. By mail, 15c per pound extra.





# Farm, Field, Forage and Silo Seeds.

We give special attention to the quality of all our Farm Seeds, and send out only recleaned stock. It is our alm to send out absolutely pure stock, true to name. For green manures, we recommend sowing thickly, Scarlet Clover, Sugar Cane, Tares, Field Peas, Rye and Oats, and plowing under when six to eight inches high.

Owing to market fluctuation, impossible to quote prices. When in need, state quantity, and we will be pleased to send samples and quote lowest market prices.

Kentucky Blue Grass.—Perennial. Height, Io to 15 inches. This valuable grass is suited to a variety of soils, from an average dry one to moist meadows, and as a pasture grass is indispensable. It is very productive, unusually early, and presents a beautiful green appearance in early spring, while other grasses are yet dormant. It makes a splendid lawn grass, forming a thick turf, and being of very even growth, producing only one flowering stem a year, while many other grasses continue to shoot up flower stalks throughout the season. Kentucky Blue Grass also makes hay of excellent quality, but the yield for this purpose is not equal to some other grasses. Sow (if alone) 40 pounds per acre; weight per bushel, 14 pounds.

Orchard Grass.—Perennial. Height, 3 feet. It blossoms about the same time as Red Clover, making it, on that account, a desirable mixture with that plant. It is exceedingly palatable to stock of all kinds, and its power of enduring the cropping of cattle commend it as one of the very best pasture grasses. Sow 35 pounds to the acre; weight per bushel, 14 pounds.

Red Top, or Herd's Grass.—Perennial. Height, I to 2 feet. Valuable either for lawn mix-tures, mixing in hay, or permanent pasture grasses; is common throughout the country; succeeds almost everywhere, but reaches its highest stage of perfection in a moist, rich soil, in which it attains a height of 2 to 21/2 feet. Sow (if alone) 45 pounds per acre; weight per bushel, 14 pounds.

Fancy Red Top Seed.—Weight about 32 pounds per bushel. Sow 10 to 12 pounds per acre.

Red Clover Medium.—The common variety, used with other grasses for either pasture or meadow.

Red Clover-Mammoth, or Pea Vine.-Grows 5 or 6 feet high, with large, coarse stalks, and is largely used for plowing under for manure.

Crimson, or Scarlet Clover.—This is a variety in common use in the South for feeding green. The yield in fodder is immense, and after cutting, it at once commences to grow again, and continues until severe, cold, freezing weather. In warm climates, four or five cuttings are made during the season. It grows about I foot high, blossoms long, pointed, and of a very deep red or carmine color. Makes good hay.

#### MILLET.

Golden, or German.—This is a valuable forage plant, and yields very heavy crops; grows from 2 to 4 feet high, heads single and similar to Hungarian, though large and with bright yellow oval seeds.

#### BUCKWHEAT.

Japanese. - The straw is heavier, it branches more, and does not need to be sown as thickly as the other kinds.

Silver Hull .- A heavy yielder; the berry is of light silvery-gray color.

Timothy. -A well-known grass, and on some soils it will produce a larger crop than any other variety. We carry a large stock of this seed, which is graded as "Prime," "Strictly Prime," and "Choice."

Aliske, or Hybrid Clover.-Even cloversick lands will produce a good corp of this; perennial and very hardy. It is very valuable both for pasturing and soiling; very productive, sweet and fragrant. The flowers are a distinct light pink, and much liked by bees. Sow in spring or fall; 6 pounds to an acre.

Alfalfa, or Lucerne .- One of the best varieties, succeeding in almost every situation. Will bear cutting three or four times during the season. For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage, but forces its roots down full three feet into the earth. Sow in the spring to secure a good stand before winter. If to be used for pasturage or curing, sow 15 to 20 pounds per acre.

#### SOUTHERN COW PEAS. The Great Land Renovator.

Their value as a fertilizing crop exceeds that of clover, for in addition to being a larger Nitrogen gatherer than clover, they draw from the subsoil to the surface large amounts of both Potash and Phosphoric acid, thus outting the soil in most excellent condition for follow-

putting the soil in most excellent condition for following crops.

Sow 114 to 134 bushels per acre, on land thoroughly pulverized, and disk or plow with a cultivator or double shovel plow. If wanted for hay, cut when peas are forming, cure as clover. If peas are for fertilizer, sow same quantity as for hay, turn under when peas are in bloom.

#### SORGHUM, OR SUGAR CANE.

Plants in drills three-quarters to one bushel; broadcast, I to 1½ bushels to the acre.

Sorghum is being used extensively as a general food for cattle, horses and mules; it is a sure crop, being a great drought resister and an immense yielder, producing many tons of most nutritious green fodder to the acre. Specially fine for food for milch cows when pasture is short

Early Orange Cane. —A strong grower; much more juicy than any other variety. stalk is heavier, and a little later than the Amber.

Early Amber Cane.—This popular and well-

known variety is the earliest, and makes the finest quality of both sugar and syrup.

Kaffir Corn. —Produces two to four heads from a single stalk. Stands drought wonderfully, and yields paying crops of grain or forage, even in dry seasons when corn has utterly failed. The whole stalk, as well as blades makes excellent fodder, and all stock eat it greedily. Sow in rows three feet apart, 5 pounds per acre; broadcast, 15 pounds per acre.

#### FIELD CORN.—Feld Korn.

Golden Beauty. - A large, broad grained yellow corn, with ears of perfect shape and very small cob. The richness of color and quality of the grain makes it a very superior variety. Ear well filled and very productive.

Hickory King .- A large, broad grained white corn, and undoubtedly the smallest cob of any white corn ever produced.

#### SEED WHEAT, RYE AND OATS.

Write for special prices on Clover and Grass Seeds.



PAT.AGITATE

#### P. MANN & CO., WASHINGTON, D. C.

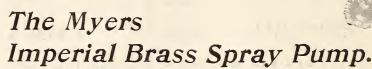




# The No. 10 Electric Insect Sprayers, 50 Cts. No. 2 Eclipse Sprayers, 50 Cts.

These Sprayers throw a very fine spray of any liquids usually used for destroying insects, bugs, etc., and for keeping cattle free from flies during the summer weather. They are particularly recommended for spraying all kinds of plants, bushes, vines, trees, interior of henneries, and also for spraying horses and cattle to keep off the flies.





This Spray Pump is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines, and shrubbery. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in the proper position.

For spraying it is so arranged as to discharge a fine jet in the bottom of bucket to keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only, and a very necessary feature to a spray pump.

Price, with 3-ft. Rubber Hose......\$3.50
Price, with 8-ft. Extension Pipe......\$4.00



It is double acting and throws a continuous stream fifty to sixty feet. Each No. 1, Comet Pump is furnished without extra charge with 2 feet of 2-ply cloth insertion hose, one plain nozzle and one each flat and spoon spraying attachment

For spraying plants, vines and flowers, washing windows and carriages, sprinkling lawns and gardens, applying liquid poisons or fertilizers and white washing poultry roosts and outhouses this outfit is all that is required and will do same work as other makes of sprayers costing \$5.00 to \$6.00.

Price,	No.	0,	 	 					.\$1.	75
Price,	No.	I	 ٠.		 	<i>i</i> •			. 2.0	òc
Price,										









# Insect Destroyers.



The great merit of this Insecticide lies in its non-poisonous properties. No danger need be ap-prehended by the person applying it, nor will it injure animals, should they eat it—unless in large quantities. It does not render injurious the vegetables or fruits to which it is applied, and yet it is probably the best Insect Destroyer that has even been offered. It is particularly useful for the prevention and destruction of Potato Bugs and all Worms and Insects that infest our gardens.

Five-pound packages for 25 cts. Ten-pound

package for 45 cts. Special prices on larger quantities in bulk.

#### Bordeaux Mixture.

Ready for use by simply adding water. One-pound box; 15 cts., makes five gallons spray; five-pound box, 60 cts., makes twenty-five gallons spray.

#### Whale Oil Soap.

Makes an elegant wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms

from crawling up.
One pound, 15 cts. Five pounds, 60 cts. Nine pounds, \$1.00. Large quantities at special prices.



#### WATERS' TREE PRUNERS.

Waters' Tree Pruner is the only pruning implement which requires no skill sharpening.

It is least liable to get out of order.
It will last a life-

. 1 . 2 .	ic.		Y
4	feet	long\$	.75
		long	.85
		long	1.00
		long	1.10
12	feet	long	1.25

Extra knives, 20 cents.

#### Bug Death.



Pat. March 16 and Nov. 9, 1897. Pat. in Canada Nov. 2, 1897, and Jan. 25, 1900.

DIRECTIONS for Using in Water.

Add 121/2 pounds to 80 gallons water, and mix thoroughly.

I-lb. pkge. 15c 35c 3-lb. pkge. 5-lb. pkge. 50c 121/2-lb. pkge.\$1:.00 7.00 100 lbs.

Add 17c per lb. for postage.

Perfection Shaker. 65 cts., for applying Bug Death to potato vines.

Bug Death is a patented, non-poisonous powder and is entirely different from anything that has ever been placed on the market, and overcomes all the objections to the deadly poisons that the farmers have been obliged to use in the past. It is just as effectual as Paris Green and other dangerous insect powders.

It is sure death to the potato, squash and cucumber bugs, currant and tomato worms, also other plant and vine-eating pests.

#### Paris Green.

In any quantity at lowest prices.

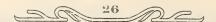
SO-BOS-SO.

(KILFLY.)



SO-BOS-SO (Kilfly) is a liquid mixture designed to protect cows and horses from torture of flies. The preparation is positively harmless. It is used with splendid results as a disinfectant and germicide. If your animals are troubled with lice, use So-Bos-So (Kilfly). Spray your poultry house with So-Bos-So (Kilfly). It kills lice, or any vermin that may infest the fowls. Put up in one-gallon cans. Price......85c. per gallon.

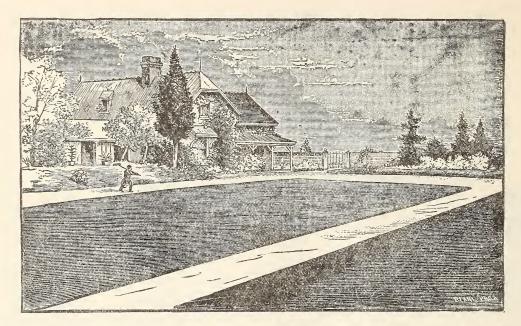
ELECTRIC SPRAYER.-Price.....50c











#### CAPITOL CITY LAWN GRASS SEED.

Our mixture of Grass Seeds for Lawns, Parks, Tennis and Cricket grounds is composed of the finest varieties of grasses each of which has its season of beauty, and the result of this blending is the producing of a sod that is not only always evergreen and velvety in appearance, but of the color and beauty of the emerald.

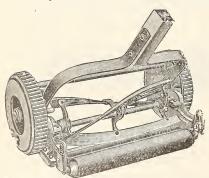
Seeding is preferable to sodding, because it is cheaper, and will soon cover the earth with a luxuriant growth of thrifty grass and if fertilized spring and fall will last indefinitely.

Frequent mowing prevents natural seeding, which grasses annually supply in abundance to restore and thicken sod. Hence when the grass is injured by tramping or thinned by other cause, the best and most natural method to restore its beauty is to sow seed plentifully. Use two pounds of seed on a space 20x40, or 800 square feet.

These seeds should be covered very slightly and a roller run over the ground after sowing. Pt. 10c. Qt. 20c. Lb. 25c. Pk. 75c. Bu. (of 14 lbs.) \$2.50.

#### LAWN FERTILIZER.

Old and New Lawns Require Stimulating after the long drag through winter, or in the fall after the season of cutting and the heat of summer. For this pur ose our high grade bone meal is best adapted to the wants of the lawn. It should be sown broadcast, from the middle of February to first of May for spring and from September to November in the Fall. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing the seed. 10 lbs sow enough for 250 square feet. 10 lbs. 30c. 100 lbs. \$2.50.



#### UNIVERSAL LAWN MOWER.

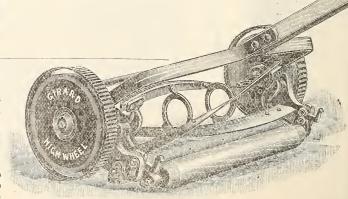
This is not a cheap Mower because the price is low. The material entering into these goods is first-class in every respect. The principle applied in the construction of this Mower is the same as used on machines which are sold for very much more money.

				inch whee										50
66	12	66	7	66									2	75
66	14	66	7	66			 						3	00
44	16	66	7	66									3	50

#### THE GIRARD HIGH WHEEL LAWN MOWER.

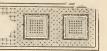
The increased height of the wheels is made to meet the popular demand for a wheel larger than the regulation size at the lowest possible cost. It has open cylinder, cast-steel hardened and tempered cutting knives, improved rachet

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14	inch.	٠													٠					\$5.00
16	66																	٠		5.50
т8	6.6																			6.00



THE E-Z GRASS CATCHERS, 12-14-16 in., \$1.50. Adapted to All Lawn Mowers.





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# Standard Fertilizers

FOR THE FARM, LAWN, GARDEN AND GREENHOUSE.

We have located our factory at Four Mile Run, Virginia (on the Potomac River), and are prepared to manufacture our well-known brands of Fertilizers, which we offer to the gardeners and farmers of Maryland and Virginia. When in the market, get our prices.

#### PURE RAW BONE.

ANALYSIS.

 Bone Phos. of Lime.
 47 per cent

 Ammonia.
 5

Put up in 200 pound bags, 10 bags to the ton.

#### POTOMAC AMMONIATED SUPER-PHOSPHATE.

This well-known brand of Fertilizer, of which we have been manufacturers for the past 25 years. is highly recommended for potatoes, cabbages, and general garden truck.

#### ANALYSIS.

Ammonia	per cent
Potask, K. O	66
Nitrogen	66

Put up in 167 pound bags, 12 bags to the ton.

# HIGH GRADE SPECIAL TOBACCO AND CORN FERTILIZER.

#### ALSO HIGH GRADE

Nitrate of Soda, Muriate of Potash, Ground Fish and Tankage, Dissolved South Carolina Rock, Peruvian Guano, and Land Plaster







# THE POULTRY YARD.



#### CLIMAX CONDITION POWDERS FOR STOCK AND POULTRY.

The only positive preventive and cure for Gapes and Poultry Cholera, and a most excellent medicine for young Turkeys that have been exposed to the weather; also as an excellent medicine for Horses, Cattle, Sheep and Hogs. All who have used Haven's Climax Condition Powders once will have it again.

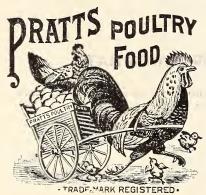
13-oz, packages, 25 cents; 5-lb. box, \$1.00.

#### HAVEN'S ROUP PILLS.

For the Cure of Roup, Catarrh, Colds and Distemper.

It was formerly the habit of fanciers, farmers, and others, whenever roup appeared in a flock, to kill the fowls affected and remove them immediately, to prevent the spread of the disease. The practice is, happily, no longer necessary since the introduction of **Haven's Roup Pills**.

Price, per box, 25 cents; by mail, 28 cents.



#### PRATT'S FOOD

Will make hens lay all the year, and is excellent for feeding young chicks. For large fowls mix one

ounce with the food for 15 or 20.

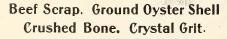
For 15 or 20 chicks, give one-half ounce every other day. 11/6-lb.

package, 25 cents; 5-lb. package, 60 cents; 12-lb. bulk, \$1.25.

Pratt's Food for Horses, 7-lbs. 50 cents. 121/2-lbs. 75 cents.

Pratt's Animal Regulator, 25-cent package.

Rust's Egg Producer.—This has given our customers universal satisfaction. It supplies those substances which produce Egg growth and development. So moderate in price, it should be used winter and summer. I-lb. package, 25c., 2½-lb. package, 50c., 6-lb. box, \$1.00. If to be sent by mail, add 16 cents per lb. to pay postage.



Clover Meal for Poultry. - By all odds the best and most economical way of feeding clover. Can be fed in mash with other food, 50-lb. bag, \$1.25. 100-lb. bag, \$2.00.

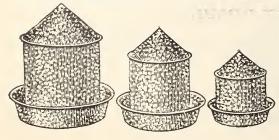
CHINA NEST EGGS, 25c PER DOZEN.



#### PURINA CHICK FEED.

ROUP PILLS

Composed of choice grains and iseedsmore than a dozen kinds, carefully selected —perfectly granulated to precisely the right degree for the youngsters, and screened clean, of all fine stuff. This makes a perfectly balanced ration for healthy, hearty and rapid chick development, as well as best digestive results. Avoid feeding meal or other mash foods or table scraps to young chicks. In using Purina Chick Feed laccording to directions, you will never lose a chick from feeding causes. 100-lb. bags, \$2.50. 3c. lb.



#### GALVANIZED DRINKING FOUNTAIN.

The fountain, or upper part, must be set exactly in the center of the pan, and then there is sufficient room all around for the chicks to drink, but not enough for them to get into the water.

Made in three sizes—two quart and one and two gallon. Price, two quart, 30 cents each; one gallon, 50 cents each; two gallon, 75 cents.







#### Mann's Green-Bone Cutters.

The feed is both automatic and self-governing and successfully adapts itself automatically to the operators' strength, and the self-governing feed never feeds faster than the operator can cut easily, The cutting device is the latest pattern and is guaranteed to do the work successfully and satisfactorily, Cuts all gristle and meat. Nothing escapes uncut. A bone cutter that successfully cuts all kinds, hard and soft bone, gristle and meat, and will not clog or choke is the cutter to buy.

#### PRICES MANN'S CUTTERS.

No, 5 C, with crank handle\$6.00
No. 5 B, with balance wheel
No. 5 BM, with balance wheel, on iron stand
No. 7, with balance wheel, on iron stand12.00
No. 11, power machine25.00

No. 5 C, Capacity not equal to 5 B.

No. 5 B, same size machine as 5 BM, Same capacity, but has no iron stand.

No. 5 BM, intended for 15 to 25 hens, Mounted on iron stand. Capacity 15 to 20 lbs. an hour,

No. 7, intended for 40 to 100 nens, Capacity 30 to 60 lbs. per hour. No. 11, intended for large flocks of over 100 fowls. Capacity 100 lbs. per hour.



# Wilson's Bone and Shell Mill.

No. I.- Grinds oyster or ciam shells and dried bones, and is an excellent mill and largly used. Will also Grind Corn Weight. without stand 33 lbs \$4.50 Weight with stand 64 lbs. -- 7.00

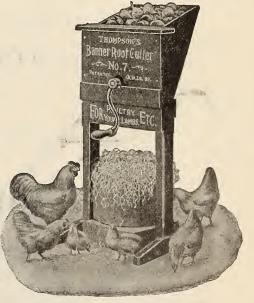
#### CAPONIZING TOOLS.



Evéry poultry man knows that Capons are much larger fowls, sweeter and finer meat and sell at a much higher price than others, You can do your own caponizing easily-Book with

Book with full instructions sent free with each set of instruments

Price in Leather Case with Instructions - - - - \$2.75



The Banner Root Cutter for Poultrymen.



CORN SHELLER.

Original in every feature. Never breaks or fails to do good work. Shells fast. Shells clean. Shells easily.

Price, \$2.00.

Two sizes for poultrymen and lamb breeders, The Nos. 7 and 26 are made with knife to cut fine—that is, cutting, shredding, and preparing roots for feeding poultry and young lambs. The No. 7 Hand Cutter has been out seven years; and thousands of them are in use among Poultrymen. Weight 50 lbs.

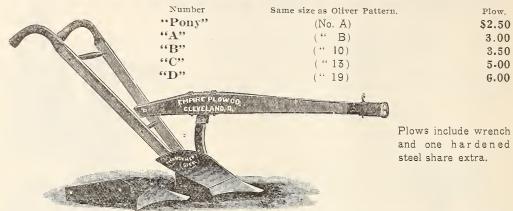
Price:	No	. 7	Root C	ätter,			 	. 131.5	5,00
46	66	26	66 W.	46	with	crank.	 		12.00

The Red Chief Corn Sheller.....\$1,75





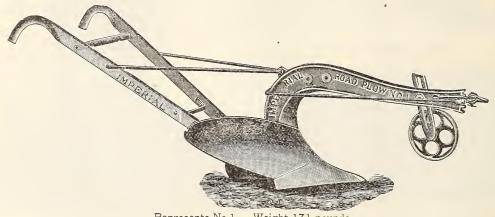
# Steel King Plows.



The base of these plows is made entirely of steel, with hardened steel share. Landside has suction device for regulating in hard ground. The success attending the introduction and sales of these plows the past season enables us to offer them again with confidence. They are well made, nicely finished, and do first-class work, We have greatly reduced prices of both plows and repairs, and this will add greatly in making the "Steel King" the popular plow.

#### CONTRACTORS AND ROAD PLOW.

The Imperial Cast Beam Road Plow.



Represents No 1. Weight 171 pounds.

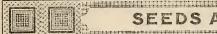
Above cut represents the Impeiral Road Plow. No. 1, built expressly for heavy work, such as grading streets, roads, etc. It is well braced and strongly made In all its parts.

MOLDBOARD, LANDSIDE and SHARES are Crystallized Iron. Furnished with or without a wheel.

No. 1, Road Plow, Right Hand only, without Wheel	\$14,00
Wheel, complete, extra	. 1.00
Cast Cast-Steel share for this plow	. 2.30
Bar Share, Wrought Steel	. 8.00

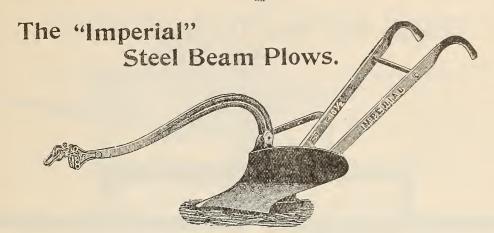
We carry in stock a full line of Contractors Plows in all sizes. Prices on application.

GENUINE OLIVER AND ROLAND CHILLED PLOWS, FARMERS FRIEND PLOWS, MINOR & HORTON PLOWS. REPAIRS FOR IMPERIAL AND ALL OTHER LEADING PLOWS.



#### SEEDS AND

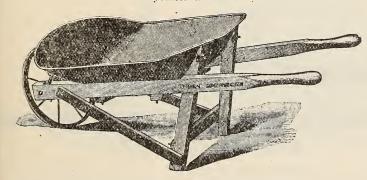




Imperial Plows are made in all sizes, steel, chilled or combination, from a small pony to a large two or three horse plow, either right or left-hand. Wood or steel beam, with or without wheel and jointer, knee cutter, fin cutter, rolling cutter; improved to date.

Imperial Hillside Plows in wood or steel beam, all sizes.

Price, No. 101/2, Steel Beam\$ 9,00	0.
Price, No. 12, Steel Beam II o	
Price, No. 1, Road Plow 14 0	0
Wheel extra I o	0
Jointer extra 2 0	Ю

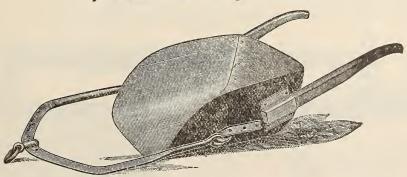


### PAN-AMERICAN STEEL TRAY BARROW.

One of the strongest barrows made. Full size tray. Put together entirely with bolts.

Price, with 16-inch steel wheel.....\$3.75

### Syracuse Steel Drag Scrapers.



The Syracuse Scrapers are shaped cold from a single sheet of steel, lapped and riveted at the corners. They are uniform in thickness throughout except at the corners where they are of double thickness.

		IGH.
No. 0—Capacity, 9 cubic feet of earth;	125	lbs
No. 1—Capacity, 7 cubic feet of earth; made of extra heavy steel plate;	105	6.6
No. 2—Gapacity, 5 cubic feet of earth;		
No. 3—Capacity, 3 cubic feet of earth; intended for use of single horse;		
Prices on application.		

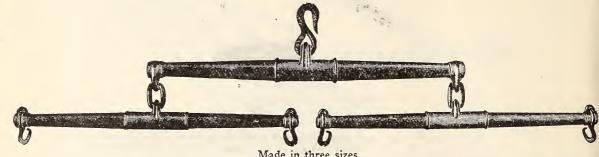




### Tubular Steel Plow Doubletrees in Sets Complete.

Center Hooks in Doubletrees, Connecting Links and Trace Hooks are Hand Forged

NEW PATTERN No. 105.

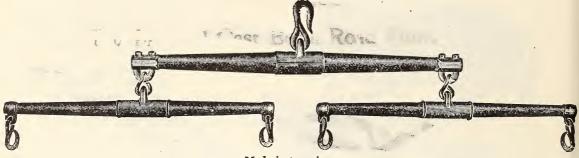


Made in three sizes.

Length of Doubletree. Length of Singletree. Price per Set.

No. o.	For light plowing or harrowing.		33 inches	FT 10 10	28 i	nches	\$3.00
No1.	For regular plowing or harrowing.	Extent:	36 ''	1 1231	30	66	3.50
No. 2.	For extra heavy plowing or grading.		36 "	1	32	64	4.00.

#### PATTERN No. 100.



Made in two sizes.

No. 1.-Evener, 40 inches long. No. 2. 42

Singletrees, 33 inches 34 inches

Price per set, \$4.50 5.00

#### NEW PATTERN No. 102.



Carrying Capacity. Length of Evener and Singletree. Price per Set.

No. 2. For regular Farm Wagons.

4000 lbs. 46x34 inches \$4.50

No. 3. For heavy Freight Wagons.

No. 3.—Evener, 48 inches long.

7000 " 48x36 \* " 5.00

PATTERN No. 97.

Made in one size only.

Whiffletrees, 36 inches.

Price per Set, \$5.50

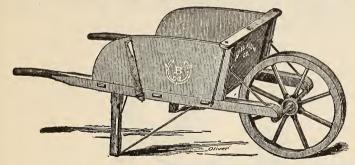
HICKORY SINGLE, DOUBLE AND TRIPLE TREES AT LOWEST PRICES.







### "Beekman" Garden Wheel Barrows.

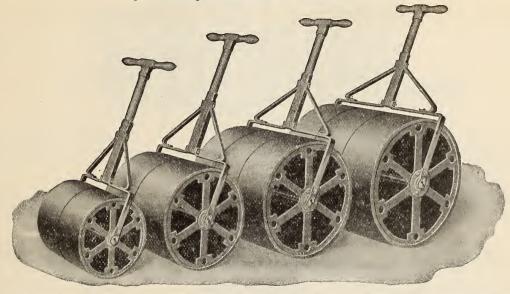


The Nos. 4, 5 and 6, with our new eight spoke iron hub wheel, on steel axle as illustrated.

Nos, 1, 2, and 3 with our new six spoke wheel on steel axle.

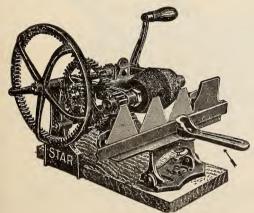
Price,	No.	1, Boy's small	. \$3.00
٠,	66	2, Medium	.\$3.25
4.6	66	3, Large	.\$3.50
•6	66	4. Medium	\$3.50

#### Capitol City Garden and Lawn Roller.



The benefit derived from the use of a roller on the lawn, especially in the spring is not fully understood. The action of freezing and thawing causes the ground to heave, and if the sod is not firmly pressed back with a roller before the hot weather begins, the grass is apt to be killed or injured leaving the lawn full of bare spots. This Roller is a strictly high grade roller at a moderate cost. This Roller is turned perfectly smooth on the outer surface, has bevelled edges, turned steel axles, and is in fact far superior to any other we have seen Prices and separate Catalogue furnished on application.

#### Automatic Star Sickle and Tool Grinder.



Price .....

Weight, 25 pounds,

. \$4.00

### The Little Giant Seeder.

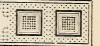


Price......\$1.75

CAHOON'S PATENT BROADCAST SEEDER.

Price.....\$3.50

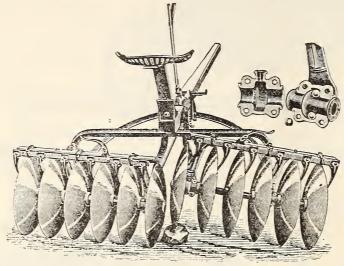






### Buffalo Pitts Spring Flexible Disc Harrow.

WITH SPRING ACTION ON THE DISC GANGS.



The only Disc Harrow made having a spring pressure device, which alone places it far in advance of any competitor. The greatest objection to all other disc harrows is the "humping-up" in the center, causing the outer discs to run deeper than the center ones with consequent uneven depth of work. This is all overcome on the Pitts by a pair of flexible steel springs running from the pole to the main axle, controlled by foot of driver.

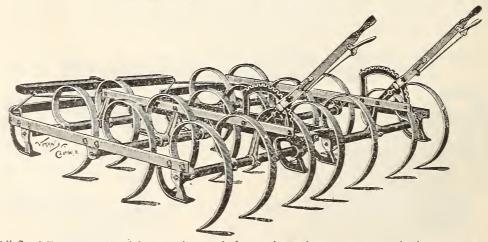
Prices with Whiffletree and Yoke. No. 0, Six 16-in. discs, 3-ft. cut......\$22.50 No. 1, Eight 16-in. discs, 4-ft. cut...... 24.00

No. 2, Ten 16-in. discs, 5-ft. cut.......\$25.50 No. 3, Twelve 16-in. discs, 6-ft. cut......27.00

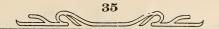
Special discount for cash.

### Improved Imperial Spring Jooth Lever Harrow.

WITH WHEELS OR RUNNERS.



If seat is wanted add 75 cts. extra. Extra teeth 40 cts. each.





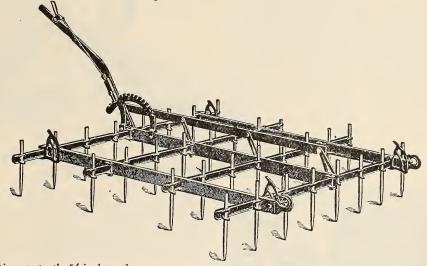




### The Imperial "U" Bar Lever Harrow.

With ½ inch and ½ inch Square Teeth.

The Imperial "U" Bar Lever Spike Tooth Harrow is made in a strictly first-class manner throughout. In construction, this Harrow has many advantages over those of other manufacturers. The frame of the Harrow is channel steel, of good weight and strength. The "U" Bars pass through the main frame of the Harrow, and are held in position by a malieable c amp. This construction gives great strength to the Harrow and at the same time allows flexibility. Each section is fitted with four steel runners, one attached to each corner, for transportation. These runners, when the Harrow is at work, are on top of the frame and do not obstruct. By throwing the lever forward the runners are thrown down in a position which carries the entire Harrow off the ground.

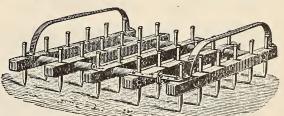


Size, 2-section, 50 teeth, 5% inch teeth.	\$10.50
Size, 2-section, 60 teeth, 5% inch teeth.	
Size, 3-section, 75 teeth, 5% inch teeth.	15.50

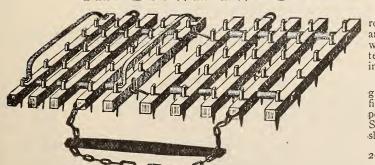
### The Brown Gardener's Harrow.

Made in one section, contains 30 and 24 teeth. It has no equal as a tool for market gardeners. Designed to be used for one horse, and is easily handled in small garden plots. The harrow is strong and durable and is furnished with runners for transportation.

24 tooth harrow, cuts 3 ft. 8 in. wide..... \$5.00 " 4 ft. 6 in. " ..... 6.00 30



### The Brown Two-Section Harrow.



The above cut represents the Brown Two-Section Harrow.

We make two sizes of this har-The larger size has 50 teeth and cuts eight feet and six inches wide. The smaller size has 40 teeth and cuts six feet and six inches wide.

Our two-section harrows are guaranteed better made, better finish, and have more superior points of excellence than ordinary Scotch harrows, with which they should not be confounded.

2-section, 40 teeth..... \$ 8.50 10.00 3-section, 50 teeth....





### CREAMERY SUPPLIES.

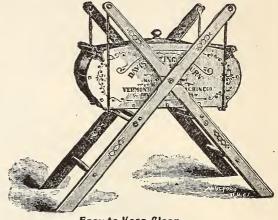
DAVIS SWING CHURN.

The round ends of the Churn cause the cream as it strikes against them to slide up and over, turning a complete somersault, consequently the cream is thoroughly agitated.

The butter comes in beautiful granules in the most desirable form for washing in cold water or brine.

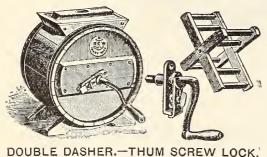
Each Churn has a glass indicator in the cover, thus enabling the operator to tell when the butter comes without raising the lid. The lid is ventilated and there is no slopping or dripping of cream. Easy to operate; in fact, any child can do it.

No.		Will Ch	iurn.	Cap	acity.	Price.
Ι.	4	gallons	or less.	8 g	allons.	\$ 7.00
2.	5	"	46	10	"	8.00
3.	Š	46	66	16	**	10.00
4.	10	66	661	20	66	12.00
5.	13	66	66	26	46	15.00
6.	17	66	44	34	"	18.00
7.	30	66	66	60	66	25.00



Easy to Keep Clean.

### WHITE CEDAR CYLINDER CHURN.



We now use a double dasher, and the crank is locked to the churn with a clamp and thumb screw; which prevents leakage—lock cannot break. The top is large, and dasher easily removed. The best churn in use.

Price,	No.	Ι,	3	gallons,	eacl	h\$2.00
66	"	2,	4	66	46	2.50
"	46	3,	7	"	"	3.00
66	"	4,	10	66	66	3.50

### BUTTER PRINTS AND WORKERS.



### REID'S BUTTER WORKER.

Consists of a tray and a roller with paddles, which is turned by a crank and traverses from end to end of

tray. It acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain.

#### RETAIL LIST INSIDE MEASUREMENT. PRICE. PRICE. CAPACITY. WEIGHT. \$10.00 \$8.00 No. 1-23x36x21/2 inches... 50 lbs. 45 lbs. 8 00 6.40 No. 2-20x36x2<sup>1</sup>/<sub>2</sub> 30 29 No. 3—17x27x2½ No. 4—14x23x2½ 7.00 5.60 20 25 10 20

Three pounds can be worked in any of the above machines, as well as a larger quantity. In buying a machine you should choose a size that will work the largest quantity that you will be likely to want to work at a time.

### RICE'S CALF WEANERS

Also prevents cows from sucking themselves.

No. 1, for Calves, 30c; by mail, 35c No. 2, for Heifers, 50c; by mail, 56c No. 3, for Cows, 75c; by mail, 85c







### THE PLANET JR. GARDEN TOOLS

A separate catalogue containing full line of the Planet Jr. implements will be sent to all who apply for it

### Planet Jr No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe Cultivator and Plow-

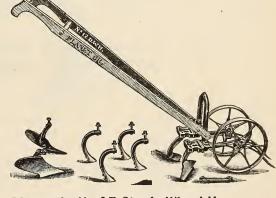


vator, and a plow. It holds two quarts, and as a seeder is like the No. 5, sowing in continuous rows, or dropping in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. It is useful almost every day of the season, at every stage of garden work. With

this one implement the small farmer can do practically all the work in his small crops. Price.....\$1.00 A set of three rakes supplied when specially ordered.

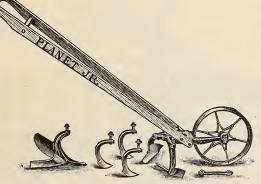
#### No. 12 Double Wheel Hoe Cultivator and Plow.

The latest and best single wheel hoe has a very full set of tools, several of them being new design, such as have been found to work in the very best manner. It has 11-inch wheel with broad face; is very light, strong and easy running. It has adjustable handles and quick change frame.



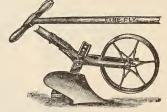
### Planet Jr. No 17 Single Wheel Hoe Cultivator, Rake and Plow.

This tool is identical with No. 11 Wheel Hoe, except that it has fewer attachments, and is sold at correspondingly less price. The tools shown and sold with No. 12 are what gardeners use most, and the others can be added when wanted.



### The Fire-Fly Garden Plow.

This tool is most useful in small gardens, opening furrows for manure or seeds, and covering them quickly. Chicken raisers will find it very useful in plowing up the scratch yards. The moldboard is of tempered and polished steel; the depth is quickly changed.



#### Farmers' No. 19 Single Wheel Hoe Cultivators and Plow.



This new and attractive implement is especially designed for the Farmer's Garden Work, though it offers to everyone with eithed field or garden, a cheap and effective tool for all hand wheel hoe operations.

The wheel is high and is made with stiff

steel rim and spokes, and a combination steel

and malleable iron hub.

Price..... \$3.50









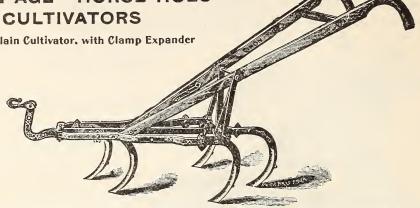
No. 1 "Iron Age" Plain Cultivator, with Clamp Expander

Price, as in Cut, \$3.00 With Plain Wheel, add 75 cents

With Lever Expander add 75 cents

With Lever Wheel, add \$1.00;

With Horse Hoe and Sweep, add \$1.30



In this cut we represent our "IRON AGE" in its simplest form—a plain cultivator. In this shape we sell it largely in those sections of the country where labor is inefficient and a cheaper and simpler tool is desirable. It is an honest, strong and faithful servant.

#### DIXIE STEEL FRAME CULTIVATOR.

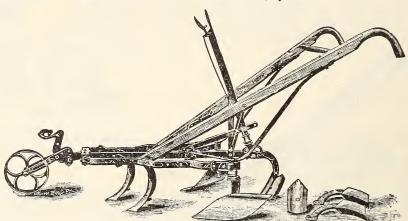
Price.....\$2.50

Add for lever expander.. 75c.

#### THE IRON AGE HORSE HOE.

Wheel and Cultivator Combination with or without Lever Adjuster

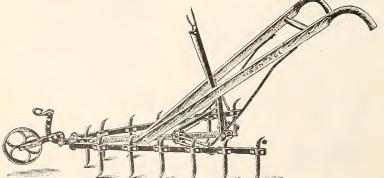
The Iron Age is celebrated for solidity of construction, adaptation to a great variety of purposes and ease of handling. The reversible hoes or plows of Horse Hoes are bolted to solid steel standards of their own (not attached to light cultivator standards). The value of the Iron Age as a corn coverer is now well known; also for covering peas, potatoes, etc., and for making up rows for root crops it is not surpassed.



Price, hoe and cultivator, plain...\$4.50

With wheel... \$5.50

With lever and wheel ... \$6.00



### COMBINED HARROW AND CULTIVATOR

Price, with lever....\$4.25

Add for wheel........75c.





Price each, 25 cents.



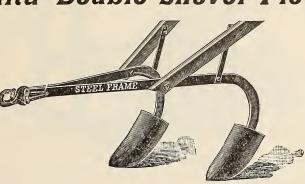
Especially adapted for working among Carnations, Roses, etc. Equally as valuable to the Market Gardener and Nurseryman, and the best all-round weeder for the private garden,

Price each, 30 cents.

### Malta Double Shovel Plows.

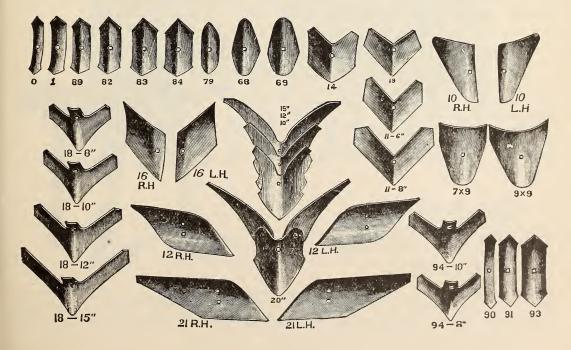
Blade has two holes. Clevis is adjustable. Frame all steel.

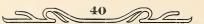
The beams on this plow are made of steel  $1\frac{1}{2}$ x $\frac{5}{8}$  inches.



This gives the plow a light draft and the beams are stronger than those made of  $1\frac{1}{2}x\frac{3}{4}$  inch Iron. Size of shovel, 6x11x7-16 inch.

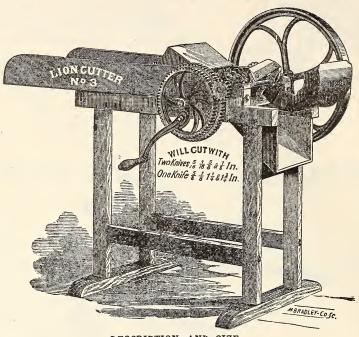
### Iron Age Cultivator Points and Steels.







### THE LION FEED CUTTER.



DESCRIPTION AND SIZE.

No. 1 Machine, as shown in the above cut, has two knives  $6\frac{1}{4}$  inches long; cuts  $\frac{1}{2}$ ,  $\frac{3}{4}$  and  $1\frac{1}{8}$  inches long, Weight, 110 pounds.

Price ......\$13.00

No. 2 Machine, has two knives  $7\frac{1}{4}$  inches long, good capacity; cuts  $\frac{1}{2}$ ,  $\frac{3}{4}$  and  $1\frac{1}{4}$  inches long, same style frame as No. 1. Weight, 128 pounds.

Price ......\$16.00

No. 3 Machine, with two knives  $8\frac{1}{2}$  inches long, is the favorite Hand Machine, cuts 5-16, 7-16,  $\frac{5}{8}$  and  $\frac{5}{8}$  inches long. With one knife, cuts  $\frac{5}{8}$ ,  $\frac{7}{8}$ ,  $\frac{1}{4}$  and  $\frac{1}{4}$  inches. Weight, 155 pounds.

Price ......\$20.00

### Pennsylvania Lever Cutter.

Simple, durable, handsome, cheap. It has an 11-inch tempered curved knife, which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

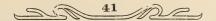
Shipped K. D. to secure lowest freight rates, and can be set up in a moment.

Price ......\$3.25

# The Belle City Fodder and Ensilage Cutters.

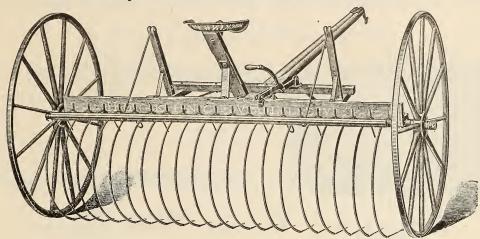


No.	1 Cutter, hand power, capacity 500 to 1,000 lbs. per hour	20.00
	6 Cutter, for hand or power, capacity 1,000 to 1,500 lbs. hay or corn fodder per hour	
		30.00





Daisy Hand or Weight Dump Rake.



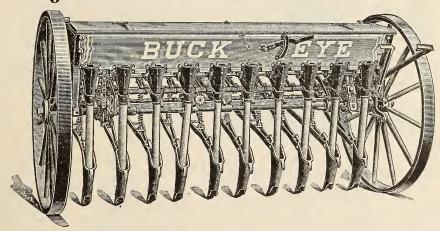
Price with combined Pole and Shafts.....

This rake has 11/4 inch steel axle extending from wheel to wheel, giving great strength and

preventing any sagging

We call it a "Hand Dump Rake', but it is really a "Weight Dump" as the weight of driver practically does the dumping after a slight upward tilt on the handle, unlocks the rake. The powerful lock-lever is used, an ingenious joint which holds the teeth firmly to their work without use of hands or feet by the operator, and preventing the annoyance of dumping when full before reaching the line of windrow. Over the teeth are placed steel coil spring giving great elasticity, and breakage is practically unknown. Built of best material, finished in first-class style, and guaranteed throughout.

### Buckeye Combined Grain and Fertilizer Drills.

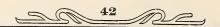


With Hoes, Disks or Shoes. Pin Hoe or Spring Hoe. Square Tube Steel Frame. Lifting Lever at End. Spring Pressure in Front. Forty-eight inch Wheels.—Wood or Steel. Three inch Tire. Zig-zag Lever, Convenient and Easy to Operate. Double Run Force Grain Feed. Cone Gear for Change of Quantity.

#### NON-CORROSIVE GLASS FERTILIZER DISTRIBUTER.

Independent Lever for Throwing Fertilizer Distributers Out of Gear. Accurate Land Surveyor.

Prices on Application.



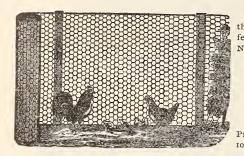






### Galvanized Poultry Netting

### For Enclosing Poultry Yards.



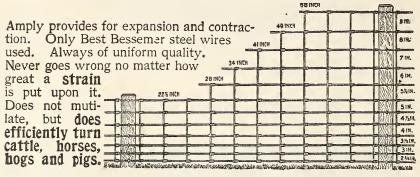
The Wire we offer is all Nos. 19 and 20 double twist, 2-inch mesh thoroughly galvanized after weaving. Sold in bales of 150 running

		in. wie	de sq. ft.	per bale.	No. 20, in.	wide	sq. ft p	er bale.
		12	150	\$ .75	"	12	150	\$ .68
		18	225	1,12	+4	18	225	1.05
61		24	300	1.50	**	24	300	1.35
	4	36	450	2.25	"	36	450	2,02
4		48	600	3.00	"	48	600	2.70
61	4	60	750	3.75	6.6	60	750	3,37
6		72	900	4.50	"	72	900	4,05
rice	егс	ent per	sq. ft. i	n less than b	ale lots.	Stap	les for	fastening

10 cents per pound.

### American Woven Wire Fence.

#### ALL STEEL.



Also "American" Steel Walk and Drive Gates, Made of large, strong steel wire. A perfect fence, Catalogue of Fences with discount furnished on application. Put up in Rolls of 10, 20 and 40 rods.

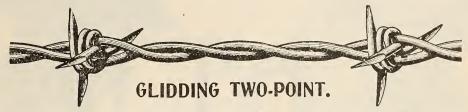
	Style Number	Lbs. Per Rod.	Price Per Rod.		Style Number	Lbs. Per Rod	Price Per Rod.
Regular Style 12-inch Stay	$ \begin{cases} 1258 \\ 1149 \\ 1041 \\ 934 \\ 828 \\ 722\frac{1}{2} \end{cases} $	11.75 10.5 9.5 8.5 7.5 6.5	\$1.03 .93 .84 .75 .66 ,59	Special Sheep and Horse Fence. 12 inch Stay.	635	[6.5	\$ .59
Regular Style 6-inch Stay.	1258 1149 1041 934 828 723	14.75 13.25 11.5 10.5 9.25 8.	1.34 1.21 1.07 .96 .85	Special Sheep and Horse Fence. 12 inch Stay.	635	85	.77
Special Hog, Cattle and Horse Fence, 12-inch Stay.	$   \left\{     \begin{array}{l}       1155 \\       1047 \\       939 \\       832 \\       726 \\       620   \end{array}   \right. $	10.8 9.6 8.4 7.4 6.5 5.	.95 .85 .76 .67 .59	Special Farm Fence 12 inch. Stay.	949 845	9. 8.	.82 .74
Special Hog. Cattle, and Horse Fence, 6-inch Stay.	$   \left\{     \begin{array}{c}       1155 \\       1047 \\       939 \\       832 \\       726 \\       620   \end{array}   \right. $	14. 12.4 10.8 9.4 8. 7.	1.25 1.12 .95 .87 .75	Special. Farm Fence 6-inch Stay.	949 845	11.7 10.	1.06 .96







### Galvanized Steel Barbed Fencing Wire.



Main strains, Nos. 12 and 12½ gauge, steel wire. Regular or Cattle Wire has barbs about 5 inches apart. Thickest thickset Hog Wire has barbs about 3 inches apart.



#### CABLE OR TWISTED WIRE.

Made of two strands of Nos. 12 or 121/2 gauge steel wire.

Ribbon and Plain Fence Wire, -Prices on above will be furnished on application.

#### THE

### Townsend Wire Stretcher.

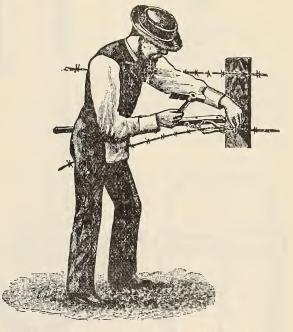
With this implement the person stretching the wire can nail it to the post from which he is stretching without assistance.

The only true principle for a Wire Stretcher. It will give you better satisfaction than any stretcher you can find. Do not fail to get it.

Price......75 cents

Little Giant Wire Stretcher, 75 Cents

Hercules Wire Stretcher, 25 Cents





### Gibbs Post Hole Digger.

With Single Blade.

Works successfully in all kinds of soil where most diggers fail.

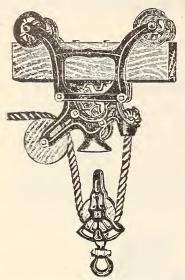
ADVANTAGES.—Easiest operated. Very durable. More soil can be brought out at one time and with less labor. Scours or cleans better in mucky soil. All wearing parts have steel pins. Blade is made of best tempered cast steel; the rod\_and\_yoke are also steel. Only one blade to keep sharpened. Makes a hole of any desired diameter. By the use of the compound lever operating blade, ordinary stones that obstruct digging are readily loosened and removed. Best general purpose digger made.







### HAY TOOLS AND FIXTURES.

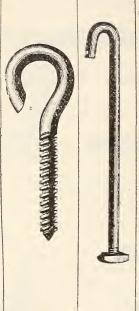


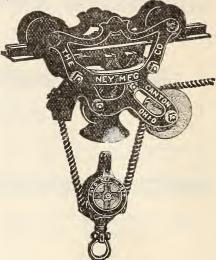
#### Ney's Patent Wood Track Carrier.

liThis cut shows the Swivel Reversi ble Carrier, for Wood Track. In construction it is the same as the steel track car (reverses the same way), except that it is made to run, on 4 x 4 in, wood track. The best swivel wood track car made.

Price, - - - \$4.50.

Discount from these prices.





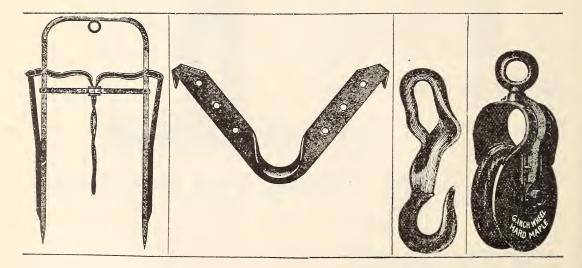
#### Ney's Swivel Reversible Carrier

For Double-Angle Steel Track.

This Carrier, cannot pass the bumper or trip block while in operation, and is easily and quickly reversed from the floor. It is constructed entirely of malleable iron; travelers and sheaves revolve on turned steel bushings.

Price.....\$4.50

Special Discount for Cash.



### HAY TOOL SUPPLIES.

Nellis' Single Hay Fork	2 (1
Double Harboon Hav Rote	1 5
DAUGING HOOK for Wood Track, 14 inch	7
Steel "	i
Patent Rope Hitch.	.8
Floor Hook	.1

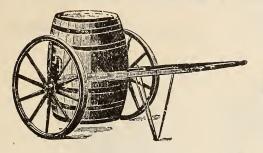
Rafter Bracket	\$ .08
Extra Trips or Stops for Cars	. 10
Knot Passing Pulley	. 35
Plain Iron Pulley	.25
Steel Track, per foot	.15
Write for Special Cash Discount from these Price	es.





#### e. 129 2000

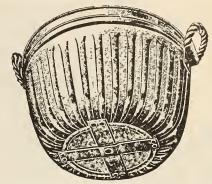
### WATER TRUCK WITH BARREL.



Price, Plain Truck and Barrel, 11/2-in. Tire	87.50
Price, Truck alone, with I pair Trunnions	6.00
Price, Pair of Trunnions alone	.50
Price, Extra 3-inch Tire	1.50

### GALVANIZED STEEL BASKETS.

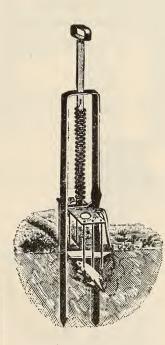
With re-enforced or Double Steel Bottoms.



# CRYSTAL METAL FARM BELLS.



No.	1, 40	pounds	\$2.00
No.	2, 50	pounds	2.50
No.	3, 75	pounds	3.50
No.	4.100	pounds	4.50



### REDDICK MOLE TRAP.

All the old traps boiled down into a better one at one-third the old price. This trap embraces all the good points found in high priced traps; it is simple, durable, and practical. Easily set and does not get out of order.

Sure death to moles.

Price.'.... \$1.00

### THE AMERICAN SICKLE EDGE HAY KNIFE.



The best cutting knife made.

Right or left hand.

Sections can be easily replaced.

Price......**\$1.25** 





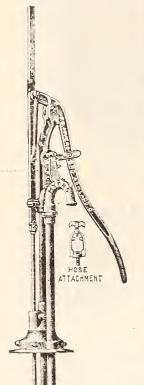


### Myers Double Acting Force Pumps.

Have patent glass valve seat.

Patent drop valve.

Brass or brass lined cylinder.



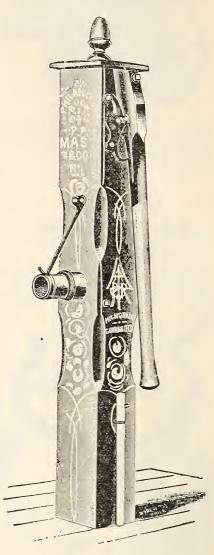
Improved
Closed-Top
PitcherSpout
Pump

With revolving brake, bolt fastenings and cut-off base.

Fig. 2051/2

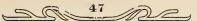


Fig. 205½ represents our Pitcher Spout Pump, with a closed top. It is often a cause of complaint with the Open Top Pitcher Pumps that they are apt to throw the water over the top when worked rather sharply. To obviate this, we have introduced a closed top with an opening only large enough for the rod to work through.



### Buckeye Wood Pumps

Porcelain Lined
are Recommended as the
Best and Most Satisfactory
in All Cases





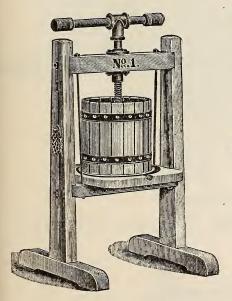
# BUCKEYE Cider Mill and Press.

MADE IN THREE SIZES.

These Mills have two curbs or tubs, so that you can grind into one while another man, or boy, is pressing the other, Two men can grind and press from four to six barrels of cider per day. It is intended for a hand mill, and the apples are easily ground by one-man power. The mills are nicely varnished and striped, and present an attractive appearance.

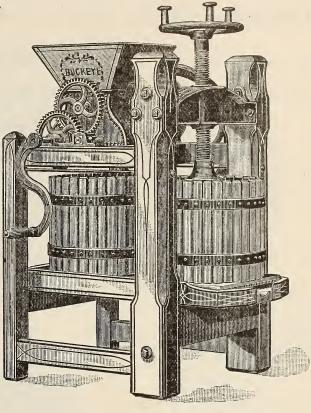
Junior Mill	\$13.00
Medium Mill	17.00
Senior Mill	22.00

### NO. 1, WINE PRESS.

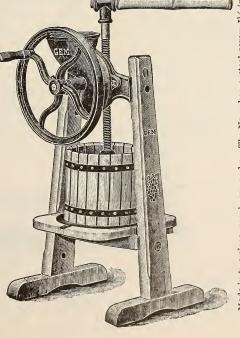


Made in three sizes, numbers 1, 2 and 3. This press is substancially built of hard wood and is nicely finished. The tub is 8½ inches in diameter, inside measurement, and 10 inches high. This is in every respect a highgrade press.

Price, No,	1,	34.00
66	2,	5.00
46	3	6.00

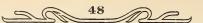


### FAMILY CIDER AND WINE PRESS.



Made in two sizes, numbers o and 1. The No. o has a steel screw I¼ in in diameter by 21 in, long, and is provided with one tub 10% in. Diameter, inside measurements, by 10% in. high. The No. 1 has a screw 1¾ in. diameter by 24 in. long, and is provided with one tub 11% in. inside measurements, by 12 in. high.

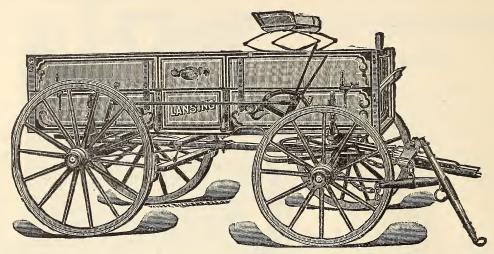
ó,







### Lansing Farm and Contractors' Wagons.



THE LANSING WAGON is a first-class wagon in every respect and is fully warranted. We can furnish these wagons in Skein and Steel axle, narrow and broad tires. Catalogue and prices furnished upon application.

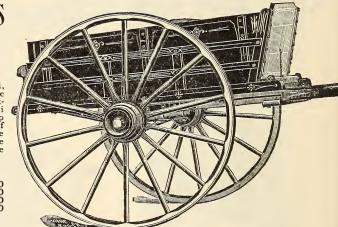
# Farm and Contractor's ...CART...

These Carts are very strong, heavily ironed, nicely painted, striped and varnished. They are specially adapted for use by farmers and contractors. Incorporated in these Carts are all of the besi features of the old-style farm cart, even to the trap stick, which we retain, considering it far ahead of any of the patent devices. In consequence of these points we have now unquestionably the best article of its kind ever introducted. It has been our sole aim to have nothing but the best.

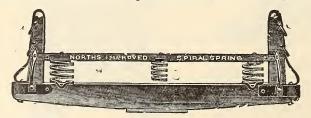
Size of Axle, Size of Tires. Diam. of Wheels, Price,

120	OI ZZZIC.	012001 111031	Diami. or wheels.	I IICC,
I 1/2	inches	2 inches	4 ft. 10 in.	\$33.00
11/2	inches	3 inches	4 ft. 10 in.	35.00
2	inches	2 inches	4 ft. 10 in.	42,00
2	inches	3 inches	4 ft. 10 in.	44.00

SPECIAL DISCOUNT FOR CASH.



### North's Improved Adjustable Wagon Springs.



The best Farm Wagon Spring in the world. No fruit grower can afford to be without a set—they are worth many times their cost,

Carrying capacity, 1,500 pounds, per set...\$6.00
Carrying capacity, 2,000 pounds, per set... 6.50
Carrying capacity, 2,000 pounds, per set... 7.50
Fruit and Dairy Spring, capacity, 1,000 pounds, per set..........\$3.00

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DOUBLE and SINGLE BUGGY HARNESS \$7.50 to \$25.00

# DOUBLE AND SINGLE WAGON AND EXPRESS HARNESS \$8.00 to \$40.00

BUGGY AND WAGON BRIDLES
\$1.00 to \$3.50

RIDING AND WAGON SADDLES

\$2.50 to \$10.00

HORSE AND COW HALTERS
25 cents to-\$1.50

CURRY COMBS
10 cents to 25 cents

HORSE BRUSHES
25 cents, 50 cents, 75 cents, and \$1.00

DUMP CART HARNESS \$12.00 to \$18.00

BLANKETS, ROBES, WHIPS, AND ALL STABLE SUPPLIES

HARNESS MADE to ORDER and REPAIRED



P. MANN & CO., Washington, D. C.