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ANNALS, MAY '95

ESTABLISHED

1878.

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AGRICULTURAL AND HORTICULTURAL INVESTIGATIONS



GRAVOIS AND OREGON AVES.

JOS. F. DICKMANN,
Premium

SEEDS

SEASON
1895.

11 FIRST
Premiums
ST. LOUIS
FAIR
1894

Stores 1110 N. THIRD ST.
AND
GRAVOIS AND OREGON
AVES.

ST. LOUIS.

1110 N. 3RD ST.
SEEDS

GARDEN IMPLEMENTS

JOS. F. DICKMANN SEEDS

1110
N. 3RD ST.





Interior View of Salesroom, 1110 North Third Street.

WE ARE 

Always,



Persistently,

Continuously,



Everlastingly

WE WILL 

Gladly,



Politely,

Carefully



and Promptly

TRYING TO PLEASE OUR CUSTOMERS  **Attend to all Orders—SEND US ONE**



Warehouse and Store, Gravois and Oregon Avenues.

ANNALS, MAY '95
ESTABLISHED 1878.

Season 1895.

Annual Catalogue

Jos. F. Dickmann's



Seed, Grain, Implements and Fertilizers

+ ————— OF ALL KINDS. ————— +

**Everything Necessary for the Farmer, Gardener and Florist
at Reasonable Prices.**

Meinen Gruß !



Indem ich Ihnen diesen Catalog prämirter Garten-, Feld- und Blumen-Sämereien für die Saison 1895 vorlege, darf ich mir wohl mit verzeihlichem Stolz erlauben, auf den Umfang desselben hinzuweisen, der gegen den vorjährigen Catalog bedeutend angewachsen ist und einen vollkommenen Führer für Alle bildet, die sich für Gärtnerei und Landbau interessieren. Meine bisherige Geschäftsmethode hat mir einen beneidenswerthe Kundenschaft gewonnen, deren ungeheures Wachsthum mir beweist, daß die Käufer mit mir zufrieden sind und gerne von mir kaufen.

Im October 1894 hatte die Große St. Louis Fair die umfassendste Sämerei-Ausstellung, die je auf einer Fair vorgekommen, und trotz einer scharfen Concurrenz erhielt ich **Elf Erste Preise**, das heißt mehr Erste Preise als alle meine Concurrenten zusammen.

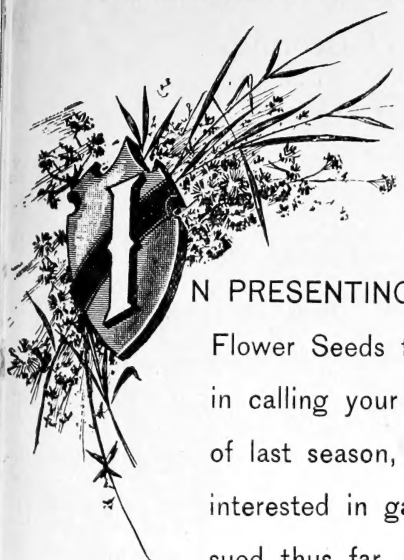
Unter diesen Verhältnissen darf ich mich zu dem Anspruch berechtigt halten, daß ich vor jedem Andern im Stande bin, **die allerbesten Sämereien** zu liefern. Und da ich die Triebkraft und die klimatischen Bedingungen für das Gedeihen genau kenne, so kann jeder Farmer oder Gärtner oder wer sonst **gute Sämereien, welche wachsen und gedeihen**, zu haben wünscht, sich vertrauensvoll an mich wenden, um das Gewünschte zu erhalten.

Meinen vielen Freunden und Kunden nochmals für ihr bisheriges Wohlwollen dankend, welches mir auch fernerhin bewahrt werden möge, und mit der Versicherung, daß ich eifrigt bemüht sein werde, auch künftighin jeden Käufer, sei die Bestellung groß oder klein, vollständig zu befriedigen, überlasse ich Ihnen die folgenden Blätter zu gefälligen Einsicht.

Alle Bestellungen in Deutscher Sprache erhalten dieselbe pünktliche Aufmerksamkeit wie die in Englischer Sprache.

Achtungsvoll

Jos. F. Dickmann.



GREETING

IN PRESENTING this Catalogue of Premium, Garden, Field and Flower Seeds for the Season of 1895, I feel a pardonable pride in calling your attention to its largely increased size over that of last season, as well as to its being a complete guide for those interested in gardening and farming. The business methods pursued thus far have won for me the most desirable patronage obtainable, and its unprecedented growth emphasizes the appreciation and satisfaction of buyers in dealing with me.

In October, 1894, the largest display of Seeds ever witnessed at the Great Saint Louis Fair were exhibited, and fierce as was the competition, Eleven First Premiums were awarded to me, representing more First Premiums than were awarded to all other competitors combined.

Under circumstances like these, I feel justified in claiming superior advantages for furnishing the very best Seeds it is possible to produce, and being familiar with their germinating qualities and climatic needs, every farmer, gardener or others wishing to secure reliable Seeds, Seeds that will grow, and grow true to their name, can, with the utmost confidence, send their orders to me and get them.

Thanking anew my many friends and patrons for their past liberal trade and requesting the continuance of same, with the assurance of according to each, whether large or small buyer, the most painstaking attention to render satisfaction, I leave the following pages to your kind consideration.

Yours respectfully,

JOS. F. DICKMANN.

Quantity of Seed Requisite to Produce a Given Number of Plants and Sow an Acre of Ground.

	Quantity Per Acre.
Artichoke, 1 ounce to 500 plants.....	½ pound.
Asparagus, 1 ounce to 200 plants.....	5 “
Barley.....	2½ bushels.
Beans, dwarf, 1 quart to 150 feet of drill.....	1¼ “
“ Pole, 1 quart to 200 hills.....	½ “
Beet, garden, 1 ounce to 100 feet of drill.....	10 pounds.
“ Mangel, 1 ounce to 150 feet of drill.....	6 “
Broccoli, 1 ounce to 3,000 plants.....	5 ounces.
Broom Corn.....	10 pounds.
Brussels Sprouts, 1 ounce to 3,000 plants.....	5 ounces.
Buckwheat.....	½ bushel.
Cabbage, 1 ounce to 3,000 plants.....	5 ounces.
Carrot, 1 ounce to 150 feet of drill.....	2½ pounds.
Cauliflower, 1 ounce to 3,000 plants.....	5 ounces.
Celery, 1 ounce to 10,000 plants.....	4 “
Clover, Alsike and White Dutch.....	6 pounds.
“ Lucerne, Large Red and Crimson Trefoil.....	8 “
“ Scarlet.....	10 “
Collards, 1 ounce to 2,500 plants.....	6 ounces.
Corn, sweet, 1 quart to 500 hills.....	8 quarts.
Cress, 1 ounce to 150 feet of drill.....	8 pounds.
Cucumber, 1 ounce to 80 hills.....	1¼ “
Egg Plant, 1 ounce to 2,000 plants.....	8 ounces.
Endive, 1 ounce to 300 feet of drill.....	3 pounds.
Flax, Broadcast.....	½ bushel.
Garlic, bulbs, 1 pound to 10 feet of drill.....	2½ pounds.
Gourd, 1 ounce to 25 hills.....	2 bushels.
Grass, Blue Kentucky.....	1 “
“ Blue English.....	½ “
“ Hungarian and Millet.....	3 to 5 “
“ Mixed Lawn.....	2 “
“ Orchard, Perennial Rye, Red Top, Fowl, Meadow and Wood Meadow.....	¼ “
“ Timothy.....	½ “
Hemp.....	4 ounces.
Kale, 1 ounce to 3,000 plants.....	1½ pounds.
Kohl-Rabi, 1 ounce to 200 feet of drill.....	4 “
Leek, 1 ounce to 250 feet of drill.....	3 “
Lettuce, 1 ounce to 250 feet of drill.....	10 “
Martynia, 1 ounce to 50 feet of drill.....	1¾ “
Melon, musk, 1 ounce to 100 hills.....	1½ “
“ water, 1 ounce to 25 hills.....	10 “
Nasturtium, 1 ounce to 50 feet of drill.....	2½ bushels.
Oats.....	10 pounds.
Okra, 1 ounce to 50 feet of drill.....	4 to 5 “
Onion Seed, 1 ounce to 200 feet of drill.....	30 to 50 “
“ “ for Sets.....	8 bushels.
Onion Sets, 1 quart to 10 feet of drill.....	5 pounds.
Parsnip, 1 ounce to 250 feet of drill.....	8 “
Parsley, 1 ounce to 250 feet of drill.....	1½ bushel.
Peas, garden, 1 quart to 150 feet of drill.....	2½ “
“ field.....	4 ounces.
Pepper, 1 ounce to 1,500 plants.....	8 bushels.
Potatoes.....	4 quarts.
Pumpkin, 1 quart to 300 hills.....	8 pounds.
Radish, 1 ounce to 150 feet of drill.....	1½ bushels.
Rye.....	8 pounds.
Salsify, 1 ounce to 60 feet of drill.....	10 “
Spinach, 1 ounce to 150 feet of drill.....	2 “
Summer Savory, 1 ounce to 500 feet of drill.....	2 “
Squash, summer, 1 ounce to 40 hills.....	3 “
“ winter, 1 ounce to 10 hills.....	3 ounces.
Tomato, 1 ounce to 3,000 plants.....	2 “
Tobacco, 1 ounce to 5,000 plants.....	4½ pounds.
Turnip, 1 ounce to 250 feet of drill.....	2 bushels.
Vetches.....	1 to 2 “
Wheat.....	

Vegetable Seeds that may be Sown in each Month, from January to October.

JANUARY—Sow in **Hot-Bed**—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Early Lettuce, Italian Onions, Radish.

FEBRUARY—Sow in **Hot-Bed**—Early Beet, Broccoli, Early Cabbage, Forcing Carrot, Celery, Cucumber, Egg Plant, Early Lettuce, Parsley, Pepper, Italian Onions, Radish, Tomato,

MARCH—Sow in **Hot-Bed**—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg Plant, Kohlrabi, Lettuce, Melon, Parsley, Peas, Pepper, Italian Onions, Radish, Spinach, Tomato, Herbs.

Sow in **Open Ground**—Beans, Beets, Cabbage, Cauliflower, Celery, Carrot, Cress, Leek, Lettuce, Onion, Parsnip, Peas, Potatoes, Radish, Spinach, Early Turnip.

APRIL—Sow in **Hot-Bed**—Cucumber, Egg Plant, Melon, Pepper, Tomato.

Sow in **Open Ground**—Asparagus, Beans, Beets, Cabbage, Carrots, Cauliflower, Celery, Sweet Corn, Cucumber, Cress, Endive, Kale, Kohlrabi, Leek, Lettuce, Melons, Onions, Parsley, Parsnip, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Tomato, Early Turnip, Sage, Herbs.

MAY—Sow in **Open Ground**—Artichoke, Asparagus, English Beans, Pole Beans, Bush Beans, Beets, Brussels Sprouts, Cabbage, Carrot, Cauliflower, Celery, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Leek, Lettuce, Melon, Nasturtium, Onion, Parsley, Parsnip, Peas, Potatoes, Pumpkins, Radish, Rhubarb, Salsify, Spinach, Squash, Tomato, Turnip, Herbs.

JUNE—Sow in **Open Ground**—Bush Beans, Lima Beans, Pole Beans, Beet, Carrot, Cabbage, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Lettuce, Melon, Okra, Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Turnip, Rutabaga.

JULY—Sow in **Open Ground**—Bush Beans, Beet, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale, Kohlrabi, Lettuce, Okra, Early Peas, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

AUGUST—Sow in **Open Ground**—Bush Beans, Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Turnip.

SEPTEMBER—Sow in **Open Ground**—Cabbage for Cold Frames, Cauliflower for Cold Frames, Corn Salad, Cress, Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip.

OCTOBER—Sow in **Open Ground**—Corn Salad, Cress, Kale, Lettuce, Mustard, Spinach

How to Have and Keep a Good Garden, Sound Fruits and Perfect Flowers.

While a good garden is generally supposed to be only dependent upon three things, **GOOD SEED, GOOD SEASON AND GOOD SOIL**, really the most important things are in these claims omitted, *i. e.*, proper fertilization, by which all the Vegetables will be cleanly, grow rapidly, mature perfectly; the prevention of fungus diseases, by which half of the Vegetables are partly decayed, spotted or killed, and freedom from insects, which destroy fully one-third of what is planted. By using Fertilizers for gardens, which are free from odor, you can get absolutely perfect Vegetables that are healthy and delicious to eat. The man who use manure in his garden invites disease to his family by dissemination of foul odors, harboring insects, and germinating fungus spores. Where manure is used the Vegetables grow irregular and imperfect—in fact, often do not grow at all, because, after the manure is applied to the soil, the rain, sun and wind destroy its plant-food elements before nature can assimilate them; but in using Fertilizers for gardens the plant-food elements can be applied not only at the time of planting, but also at any time during the growth the crops show the need of extra pushing.

TRANSPLANTING

Is an important feature in gardening operations, and one often improperly done. It is a great mistake to select a rainy day for this important work. Transplant in a clear day, either in the morning or toward night, make a hole sufficiently large to hold the plant; fill with water and puddle the plant in, then press the soil firmly around the plant; afterwards cover with dry soil, and the plant will never droop, it matters not how warm or sunny the day may be. It may be urged that this is not practicable with large fields of cabbage, cauliflower or tomatoes, but the best way is always the most practical, consequently the cheapest. It is economy to devote a day to a work and have the plants all live and thrive, than to put them out in one-fourth the time and have a large portion die and the remainder only half live.

SOILS

Arbitrarily admit of no choice; you must therefore accept such as you have and make the best of it. We find quite a difference in the vegetable products of one section when compared with that of another, but we consider the result due more to culture and atmospheric conditions than to the variations in the soil. The condition of the soil when the seed is planted, and the manner of cultivation afterwards, are the essentials to horticultural success.

For all crops dig deep, enrich heavily, cultivate frequently, allow no weeds to grow, thin out the plants so that each can have sufficient room for development, and success is assured.

The thinning out of plants is an important work, and one that is not sufficiently understood. As a rule this work is too long deferred. It should be done as soon as the plants are seen to appear, and before they make their second leaves and feeding roots, then the disturbance to the remaining plants does not materially affect them, as it does very seriously when the plants begin to show form. We have seen crops of beets and turnips nearly ruined by the careless manner of thinning out. In all cases, after the superfluous plants have been removed, press the earth firmly around the standing ones.

WARRANTIES.

Seeds of the best possible quality will fail through improper treatment. Thus, if a small seed be sown so deep that the young plant cannot reach the surface, the seed, however good, will fail. More failures result from a want of proper knowledge of conditions necessary to germination than from bad quality of seeds themselves. These conditions are: a proper temperature, sufficient moisture, and free access of air; besides these, the soil must be in proper condition, and present no physical obstacle to the growth of the young plant. If heavy rains have compacted the surface of the soil, and the sun has baked it to a hard crust, it will be impossible, even if all other conditions are favorable, for the seedling plants to force their way through it, and many perish from this cause alone. Seeds differ greatly as to the temperature required for germination. Beets, Cress, Peas, etc., germinate readily at a temperature of 45 degrees; but if Melons and other seeds of that family, bush or pole Beans, and other sub-tropical origin, are sown under the same conditions they will be apt to decay, as for their prompt germination they require a heat of at least 60 degrees. From this reason many seeds fail yearly from too early sowing. The second condition, proper moisture, is likely to be violated by an excess rather than too little moisture. The proper amount is that which a well-drained soil will naturally hold. Free access of air is all-important, and this is interfered with by an excess of water in the soil. In germination complex chemical changes take place in the seeds, in which the air performs an important part. A portion of the seed is consumed, carbonic acid gas being given off, in changing the starch and other constituents of the seed into nutriment to forward the growth of the germ or embryo plant, which depends upon the contents of the seed until it has formed roots below ground and leaves above, and is able to sustain itself. Besides these conditions affecting the germination of the seed, the young plants, after they have made their way to the surface, are liable to various accidents; a sudden current of very cold air, or a continued drying wind, may check their growth, or destroy the young plants altogether; besides these, there are numerous insects, both below and above ground, that may attack the plants, some of these being so small that they often destroy a crop before they are discovered.

For the above reasons we wish to state in this explicit form, that, while we exercise great care to have all Seeds pure, reliable, and true to name, our Seeds are sold without warranty, expressed or implied, and without any responsibility in respect to crop. If our Seeds are not accepted on these terms, they must be returned at once.

Collection of Vegetable Seeds.

Thirty-four Varieties, assorted in quantities and prices from \$5.00 to \$25.00.

The fact that many customers each year send orders for collections of Vegetable Seeds has led us to prepare the assortment named below, for the convenience of those who prefer our judgment in the matter of selecting kinds and qualities.

Collection No.....	1	2	3	4	5
Price No.....	\$5.00	\$10.00	\$15.00	\$20.00	\$25.00
	Contains	Contains	Contains	Contains	Contains
Asparagus, Colossal.....	1 ounce	3 ounce	6 ounce	10 ounce	16 ounce
Beans, Bush, best kind for succession.....	2 pints	2 quarts	3 quarts	4 quarts	6 quarts
Beans, Lima and other Pole.....	1 pint	1½ pints	1 quart	1 quart	2 quarts
Beet, best sorts for succession.....	4 ounce	6 ounce	8 ounce	12 ounce	16 ounce
Brussels Sprouts.....	1 packet	1 packet	½ “	½ “	1 “
Cabbage, best early and late sorts.....	2 ounce	3 ounce	4 “	5 “	6 “
Carrot, best early and late sorts.....	2 ounce	3 ounce	8 “	12 “	14 “
Cauliflower, best varieties.....	1 packet	2 packets	3 packets	3 packets	1 “
Celery, Half Dwarf and Golden Dwarf.....	1 ounce	1½ ounce	2 ounce	2 ounce	3 “
Cucumber, Improved White Spined and others.....	1 ounce	2 ounce	3 ounce	4 ounce	6 ounce
Corn, Sweet, best early and late sorts.....	3 pints	3 quarts	4 quarts	6 quarts	7 quarts
Cress, or Pepper Grass, Curled.....	1 ounce	2 ounce	2 ounce	3 ounce	4 ounce
Egg Plant, New York Improved.....	1 packet	1 packet	½ “	½ “	½ “
Endive, best Curled.....	1 “	½ ounce	½ “	1 “	2 “
Kale, Dwarf German and Curled Scotch.....	1 “	1 ounce	1 “	1 “	1 “
Kohl-Rabi, Early White Vienna.....	1 “	½ ounce	½ “	1 “	1 “
Leek, American Flag.....	1 “	½ ounce	1 “	1 “	2 “
Lettuce, best varieties.....	2 “	1½ ounce	2 “	3 “	4 “
Melon, Musk, best kind.....	2 “	2 ounce	3 “	6 “	8 “
Melon, Water, best kind.....	2 “	2 “	3 “	4 “	4 “
Okra, or Gumbo.....	1 “	2 “	4 “	4 “	4 “
Onion, best varieties.....	2 ounce	4 “	6 “	6 “	8 “
Parsley, extra Curled.....	1 “	2 “	2 “	3 “	4 “
Parsnip, Long Smooth.....	1 “	2 “	3 “	6 “	8 “
Peas, best early and late sorts.....	4 pints	4 quarts	6 quarts	8 quarts	10 quarts
Pepper, Large Bell and London Red.....	1 packet	2 packets	3 packets	1 ounce	1 ounce
Rhubarb, Linnæus.....	1 packet	1 ounce	2 ounce	3 “	4 “
Radish, Scarlet, Turnip and others.....	4 ounce	6 “	7 “	10 “	12 “
Salsify, or Oyster Plant.....	½ ounce	½ “	1 “	3 “	4 “
Spinach, best sorts.....	4 ounce	8 “	8 “	10 “	12 “
Squash, Summer and Winter.....	2 ounce	4 “	4 “	6 “	8 “
Tomato, Perfection and others.....	2 packets	4 packets	1½ “	2 “	2 “
Turnip, best early and late sorts.....	2 ounce	6 ounce	8 “	10 “	12 “
Herbs, most useful kinds.....	2 packets	3 packets	4 packets	5 packets	6 packets

We cannot, of course, guarantee a good crop in every case, as this is dependent upon natural causes, which are beyond human control. But we do guarantee that all Seeds sold by us are **FIRST-CLASS**, and of strong germinating power, in so far that should any prove otherwise we will refill the order free or refund the price paid us. **Further than this we cannot warrant, but this is a satisfaction given by but few seedsmen and must convince even those who have never dealt with us of the extreme care we exercise in selecting our seeds.** They not only grow, but they grow “what is worth growing.”

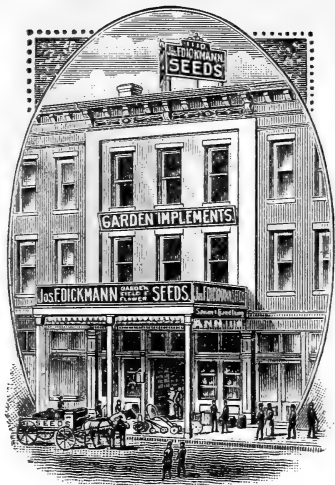
JOS. F. DICKMANN'S

Premium Seeds.



*Eleven First Premiums at the Great
St. Louis Fair, 1894.*

Seeds Free by Mail, We Pay the Postage



1110 NORTH THIRD ST. STORE.

Very likely if you have never tried it, you may think buying by letter a risky sort of business. This is a serious mistake, for buying by letter from any first-class house is perfectly safe, as you will be as honestly treated as if you stood by the counter and paid spot cash.

HOW TO SEND MONEY.

All Vegetable and Flower Seeds by the packet, ounce, pound, pint or quart will be delivered by us, postage paid, and free of all expense, to any post office in the United States. Thus, you have only to enclose with the order the cost of the seeds as given in this catalogue, (either by express money order, postal note, draft, cash or stamps), and they will be safely delivered, neatly packed, without extra charge. Purchasers of seeds in large or small quantities, cannot fail to see the great advantages to them of this offer, as it places our store at your very door, and enables customers thousands of miles away to obtain their supplies as cheaply as if they called in person at our store.

CUSTOMERS ORDERING TO BE SENT BY FREIGHT OR EXPRESS

May deduct postage at the rate of eight cents per pound, or fifteen cents per quart from our prices. When sent in this way the purchaser pays the transportation charges on receipt of seed. Freight rates from St. Louis to all points are very low.

Cash should always accompany the order. We will be responsible for money sent to us by Post-Office Order, Express Money Order, Bank Draft, Express or by Registered Letter. Every postmaster is required to register any letter on payment of eight cents extra postage. The cost of remitting may, on all orders over \$1.00, be deducted from the amount sent. Amounts of \$1.00 or less may be sent by ordinary letter, but do not enclose silver coin unless you have the letter registered.

POSTAGE STAMPS SAME AS CASH.

When notes are not obtainable, or to make proper change, we accept postage stamps the same as cash (two-cent stamps preferred).

C. O. D. Orders exceeding ten dollars can be sent C. O. D. by express, when twenty-five per cent. of the amount accompanies the order. We are obliged to add the extra express charges for the return of money on all C. O. D. orders. It is, therefore, less expense to the purchaser to forward full amount of money with order. Plants cannot be sent C. O. D., neither can goods be sent C. O. D. by freight.

WE GUARANTEE ALL SHIPMENTS of Seeds, Bulbs, Plants, Implements, etc., shall reach the purchaser **SAFELY** and in **GOOD CONDITION**.

MARKET GARDENERS who buy seeds in large quantities are requested to write for **WHOLESALE PRICES**. While the prices quoted in this Catalogue are very reasonable, yet frequently we have orders for large quantities of certain seeds (such as Onion, Cabbage, Carrot, Cucumber, Melon, Radish, Turnip, etc.), and the purchaser naturally expects to buy at a price lower than that charged for a single pound.

**GARDEN
FIELD
FLOWER**

SEEDS

Write your NAME PLAINLY, give POST OFFICE,
COUNTY and STATE every time you write.

⇨ ORDER ⇨ SHEET. ⇨

JOS. F. DICKMANN,

— STORES: —

*1110 North Third Street and Gravois and Oregon Avenues,
ST. LOUIS, MO.*

Date 189

AMOUNT ENCLOSED.

Forward to

Cash,

Post Office

P. O. Order,

Express Office

Draft,

County

C. O. D.,

State

DON'T WRITE IN THIS SPACE.

Manner goods should be forwarded

By what Railroad

By what Express

QUANTITIES

ARTICLES

PRICE

QUANTITIES	ARTICLES	PRICE

SEEDS OF SPECIAL MERIT

You can pick from this List with your eyes shut and get a good thing every time.

Perhaps you may be disappointed in not finding in this Catalogue some varieties that are largely "boomed" by other seedsmen. When omitted, there is a reason for it. Is it not cheaper to be disappointed now in not finding what you were looking for, than at not finding the crop looked for at harvest time.

Market



Gardener's



Carrot.

Our Market Gardener's Carrot grows to uniform large size, intermediate in shape between the HALF-LONG and LONG ORANGE. The roots are straight and smooth, broad at the top, measuring about two and three-fourths inches across, with a length of about eleven inches. The color is a rich orange red. Its table qualities are faultless. It is EARLIER THAN THE DANVERS, the leaves are shorter, fewer and finer than this well known sort. These features make it extremely well adapted for early forcing. It is a splendid sort, however, for growing outside at any season of the year, being a WONDERFULLY HEAVY CROPPER on any kind of soil and highly nutritious for stock feeding. It grows without neck, the crown is hollow and it grows well under the ground, which prevents it from becoming sunburnt—a very important feature. Many leading gardeners and farmers are now planting it to the exclusion of all others, and our sales of this variety last season were more than double that of any other Carrot on the list.

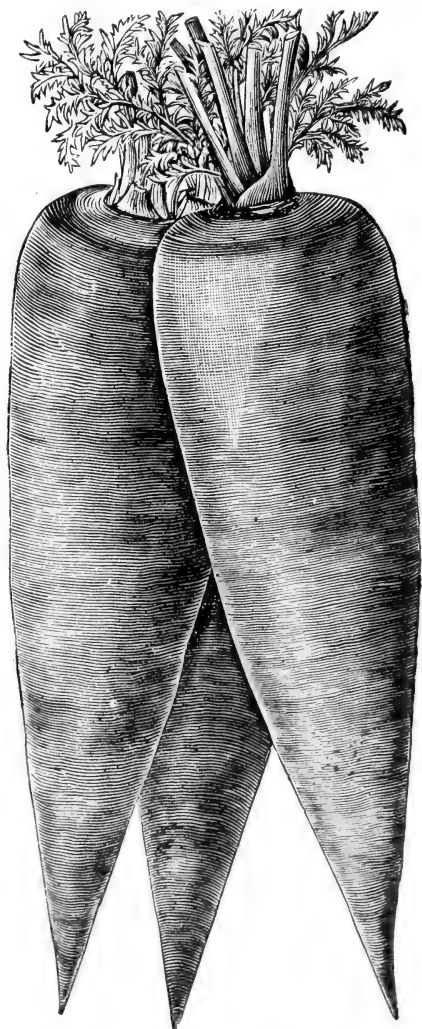
Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Remember

\$1.00 buys Seeds in Packets to the value of \$1.25

\$2.00 buys Seeds in Packets to the value of \$2.50

\$5.00 buys Seeds in Packets to the value of \$6.25

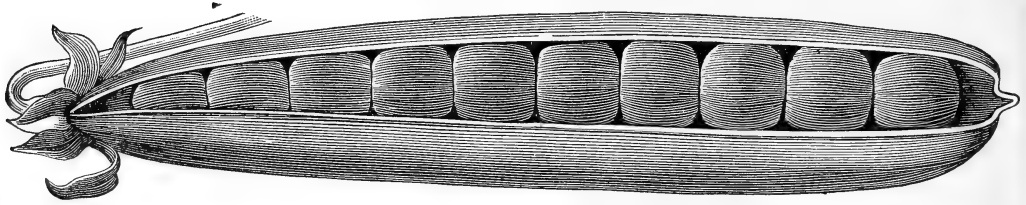


MARKET GARDENER'S CARROT.

All prices given include postage. Where Seeds are sent by express or freight, we will deduct the cost of mailing from the price of Seeds ordered, and will either return the amount due to the customer or include extra Seeds to the amount due. This does not apply to Seeds in bulk. Seeds in packets only are sent post-paid, or otherwise, at prices given.

Dickmann's Prize Taker Pea.

Largest, Most Prolific and Sweetest.

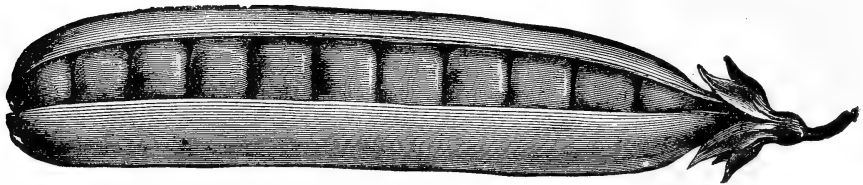


DICKMANN'S PRIZE TAKER PEA.

DICKMANN'S PRIZE TAKER PEA Is the result of years of careful selections among peas. This pea, as it is now offered to the public, is without doubt one of the best sorts in cultivation. Its habits resemble the Stratagem branching, but compact in growth. Pods are long, straight and very broad. Seeds are green, wrinkled and flattened, resembling Yorkshire Hero, but much larger. It grows about eighteen inches high, and is ready for market just after Dickmann's Second Early Market Peas. Coming in when peas are in demand, every garden should have them in it to be complete.

Pkt., 10c.; $\frac{1}{2}$ pt., 20c.; pt., 35c.; qt., 60c., post-paid.

Admiral Pea.



ADMIRAL PEA.

ADMIRAL PEA. In the Admiral Pea we offer you a pea of sterling merit and one of the largest producers known. The Admiral Pea is double podded and grows about three feet high; has long, straight pods of a light green color, six to nine peas to the pod, with a stubbed, stocky vine with luxuriant foliage. For sweetness this pea is not excelled by any. Last year we gave away many sample packets of this pea and every one who grew it were delighted with it.

Pkt., 10c.; $\frac{1}{2}$ pt., 20c.; pt., 35c.; qt., 60c., post-paid.

Burpee's Bush Lima Beans.

The following description of this bean is given by Mr. W. A. Burpee, the originator of it, and we can say that Mr. Burpee does not say one word too much for it. Our own experience with it was more than satisfactory.

BURPEE'S BUSH LIMA comes absolutely true from seed. The bushes grow from eighteen to twenty inches high, of stout growth and always erect, yet *branching so vigorously* that each plant develops into a magnificent circular bush *from two feet to three feet in diameter*. The leaves are of very large size and great substance. The bush character is thoroughly established, not one plant in a thousand showing any disposition to "run." The thickness of the main stalk and branches of the plant, as also the unusual size, healthy green color, and thick, leathery substance of the leaves, indicate the strong constitution of this variety by which it is enabled to bear large crops, and is also a sure cropper. It is an *immense yielder*, each bush bearing from fifty to two hundred of the handsome large pods, well filled with very large beans, which are *identical in size and luscious flavor to the well-known large pole Limas*. By the introduction of this most valuable novelty the largest and best Lima Beans can now be raised in quantity at small cost, without the expense and labor attached to the use of poles. Pkt., 10c.; $\frac{1}{2}$ pt., 20c.; pt., 35c.; qt., 60c., post-paid.

Few things are more expensive in the end than buying and planting cheap Seeds.

BIG Boston Lettuce.

Largest, Best and Most Salable.

BIG BOSTON LETTUCE is in color, shape and appearance almost identical with the famous Boston Market Lettuce but is double the size. It is about a week later maturing, but being a greater size head and more solid will make it a most valuable sort for market gardeners and others who wish an excellent Lettuce, both salable and delicious in eating qualities. There are others offering Lettuce under the name of Big Boston which is not of the true stock,



BIG BOSTON LETTUCE.

and will undoubtedly disappoint the purchasers of it. Our seed is direct from the introducer and originator of Big Boston Lettuce, so buy from us and get the true stock.

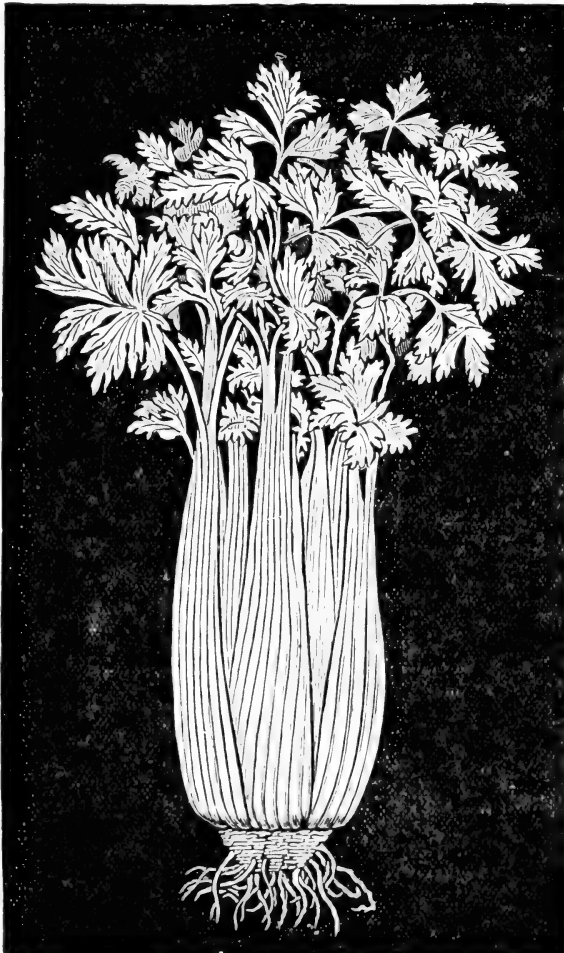
Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.

OUR PRICES GIVEN INCLUDE POSTAGE.

NEW IMPROVED WHITE PLUME CELERY.

Our stock of this Celery Seed was grown for us this year from extra select Celery, selected from the best stock of Improved White Plume Celery, grown in one of the leading Celery districts of the North. Therefore we claim our stock to be genuine. Improved White Plume Celery is very distinct and handsome, of a beautiful cream white color throughout, attains a very large size, of quick growth, stiff and close habit, remarkably solid and fine flavored. Ribs are very broad, thickly and closely set, while by reason of its neat growth and showy appearance it is a specially valuable variety for market. It is also a first-class keeper, remaining fit for use as long as the Golden Dwarf and other good keeping sorts. For the use of hotels, restaurants and other large establishments, it is superior to most other kinds, there scarcely being any waste in dressing it for the table. It has a distinctive appearance in growth; long rows of it being as level and even as though each plant had been shaped in the same mould. It has already taken the lead as a keeping celery for winter use.

Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; 1lb., \$3.00.



NEW POTATO—Carman No. 1.

The Carman No. 1 Potato has caused more sensations among growers than any potato yet introduced. Its main features are its earliness and uniform size, while for a heavy yielder it can not be excelled. It is of an oval shape, but somewhat flattened, resembling Rural New Yorker No. 2; has but few eyes which are very shallow, the flesh being peculiarly white and of excellent quality. Blights less than any other known variety, and with a season any way favorable for growth, small potatoes are very scarce. Our stock of this Potato is limited, and all who wish a supply had better send for it as soon as they receive this Catalogue.

1 lb., post-paid, 25c.; $\frac{1}{2}$ peck, 75c.; peck, \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00.



JAPANESE HOP.

JAPANESE



HOP VINE.

The Japanese Hop, although not a novelty, is worthy of being placed among the "Seeds of Special Merit," as it is one of the most useful, fast growing and ornamental climbing plants. The leaves are most beautifully and distinctly marked with silvery white, yellowish white, yellowish green and dark green; sometimes striped as well as marbled and blotched; at times the leaves are almost white. We dare say that the Japanese Hop Vine, possessing all the qualities of the green leaved variety, will soon become the favorite sort for gardens or trellises. It is a rapid grower, growing as fast as any known climber now offered.

Pkt., 10c.; 3 pkts., 25c.

REMEMBER.—On all Orders for Seeds in Packets (whether Vegetable, Farm or Flower Seeds), the purchaser may select twenty-five cents' worth extra for each One Dollar sent us. Thus any one sending us \$1.00, can select seeds in packets amounting to \$1.25; for \$2.00, seeds in packets to the value of \$2.50; for \$3.00, to the value of \$3.75, and so on. This discount applies only to seeds in packets, purchaser's selection, and does not apply to seeds by weight or measure.

2 NEW SWEET PEAS. 2

SNOW FLAKE. The most perfect white Sweet Pea yet introduced, of exquisite form and immense size; also a wonderfully free bloomer, bearing from two to three flowers to the stem; has a bold shell-shaped flower, standing rigid and upright, perfectly free from the notch usually found in sweet peas. The *snow flake* is a favorite wherever it is grown, and was sought for in London last year more than any other Sweet Pea. Our seed is direct from the originator in England and can be relied upon.

Pkt., 10c.; 3 pkts., 25c.; oz., 50c.

FIRE KING. The most brilliant of all Sweet Peas, of a bright scarlet color with large size blooms. Usually produces three flowers on a stem; foliage of a dark green color and very profuse. This Sweet Pea when seen from a distance is sure to attract attention as its bright scarlet color and its dark green foliage form a contrast that can not fail to gain the admiration of all who see it.

Pkt., 10c.; 3 pkts., 25c.; oz., 40c.

Florists should write us for special prices on Snow Flake and Fire King Sweet Peas.



GROUP OF SNOW FLAKE AND FIRE KING SWEET PEAS.



PEACOCK PANSY.



The Pansy or Hearts Ease (*Viola Tricolor Maxima*) has been a florist's flower for centuries as well as a general favorite. But it is in the last two decades that the present grand results have been obtained and improvements made in this flower that is wonderful. The Peacock Pansy which is now offered for the first time is the result of a vast amount of labor and time. But it is to-day the finest strain of Pansy offered and stands without a rival for beauty, color, size and form. The lovely Peacock blue which suffuses the substance of its velvety petals must be seen to be appreciated. The form and substance of the flower are so perfect that is sure to become an exhibition variety. It comes perfectly true to character from seed. Pkt., 25c.; 2 pkts., 45c.; florists' pkts., 50c.



PREMIUM COCKSCOMB

PREMIUM



COCKSCOMB.

This variety of Cockscomb is specially grown for us and is the largest flowering Cockscomb known. Its color is of a rich crimson, of velvety appearance, often growing to the enormous size of eighteen inches across the top of the bloom. In our exhibit at the St. Louis Fair, October, 1894, we had blooms of this Cockscomb which measured fully eighteen inches across the top of the bloom, and not one who saw them failed to pass some comment on their beauty and size.

Pkt., 10c.; 3 pkts., 25c.

GENERAL LIST

— OF —

PREMIUM GARDEN FIELD FLOWER SEEDS

On all orders for Seeds in packets the purchaser may select **twenty-five cents' worth extra for each one dollar sent us.** Thus, any one sending **\$1.00** can select **Seeds in packets amounting to \$1.25**; for **\$2.00**, Seeds in packets to the value of **\$2.50**, and so on.

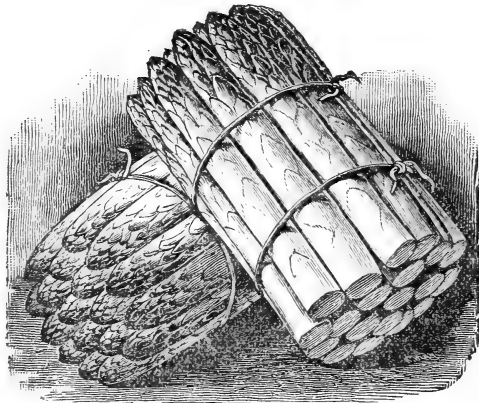
Please bear in mind that our prices in the following lists include prepayment of postage by us on all Seeds ordered by the **PACKET, OUNCE, QUARTER POUND, POUND, PINT OR QUART.** Thus you have only to send us the catalogue price, and **WE GUARANTEE SAFE DELIVERY OF THE SEEDS, BY MAIL, POSTAGE PREPAID.**

ASPARAGUS.

German, *Spargel.*

French, *Asperge.*

Spanish, *Espargas.*



PALMETTO ASPARAGUS,

A bed 12x40 feet, requiring about 100 roots, should give an abundant supply for an ordinary family. One ounce of seeds will sow forty feet of row; 7,260 roots will plant an acre.

Culture.—Sow the seed thinly in rows one foot apart in April or May, and keep down all weeds. To secure strong, healthy plants, thin out the seedlings to three or four inches in the row, saving only the strongest. The one-year old plants should be set out in spring in a rich, sandy loam, dug eighteen inches deep, into which has been worked plenty of well-rotted manure. If a stiff clay soil is all that can be had, add plenty of sand and sifted coal-ashes to loosen it up, and also see that it is well underdrained. In planting for private use, set out in beds five feet wide, three rows in a bed, the outer rows being each one foot from the edge, and allow twelve inches in the rows; set the plants at least six inches below the surface. If set out in autumn, top-dress with six inches of manure.

For market on a large scale, set out 4x1½ feet. Every applied after the tops have been cut, and in the spring

fall a good dressing of coarse manure should be forked in. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die.

MAMMOTH is very productive, throwing up a great number of strong, well-developed shoots throughout the entire season. It is tender to the stem, of delicious flavor, and requires much less labor in cutting and bunching, making it the most desirable kind yet introduced for the market gardener. It has attracted much attention.

Pkt., 5c.; oz., 10c., ¼lb., 20c.; lb., 75c.

CONOVER'S COLOSSAL. A well-known, good, standard variety. Seed: Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c. Roots: 1 year old, 90c. per 100; by mail, post-paid \$1.15 per 100; \$5.00 per 1,000; 2 years old, \$1.00 per 100; \$6.00 per 1,000, by express or freight.

NEW PALMETTO. This new Asparagus, supposed to have originated in South Carolina, is now quite extensively grown by Southern gardeners. It sells at very high prices, owing to its mammoth size and regularity. An average bunch of fifteen shoots will measure thirteen to fourteen inches in circumference. For the past four seasons this Asparagus has reached Northern markets ten days ahead of all other varieties and sold at fabulous prices, even after other varieties had come in. Although of Southern origin, it is equally well adapted to North and South. Seed: Pkt., 5c.; oz., 10c.; ¼lb., 30c.; lb., \$1.00. Splendid strong Roots \$1.00 per 100; by mail, \$1.25 per 100; \$8.50 per 1,000; 500 roots at 1,000 rate

That Order Sheet and Envelope are waiting to be used. Lead pencil is just as good as pen and ink to write it up.

ARTICHOKE.

French, *Artichaut.*
 German, *Artischoke.*
 Spanish, *Alcachofa.*

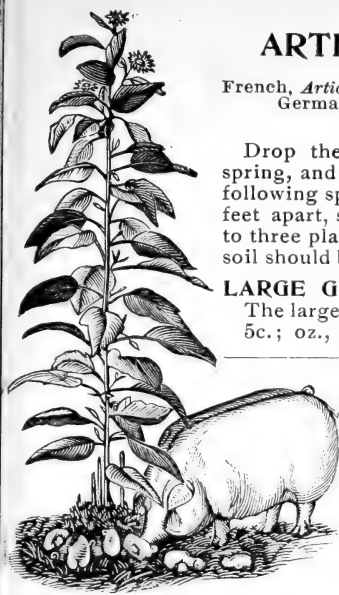
Drop the seeds early in spring, and transplant in the following spring to hills four feet apart, setting from one to three plants in a hill. The soil should be deep and rich.

LARGE GREEN GLOBE.

The largest and best. Pkt., 5c.; oz., 25c.; lb., \$3.50.

ARTICHOKE ROOTS

for hog feed will be found under Farm Seeds.



BRUSSELS SPROUTS.

French, *Chou de Bruxelles.* German, *Sprossen Kohl.*
 Spanish, *Berza de Brusels.*

Sow early in spring, transplant and cultivate as cabbage. It grows about two feet high, bearing numerous small heads, which are in perfection for boiling in autumn.

PERFECTION. Produces compact sprouts of fine quality. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.60.



BROCCOLI.

EARLY PURPLE CAPE. Best for the North, producing compact brownish-purple heads. Pkt., 10c.; oz., 40c.

WHITE CAPE. Very large. Pkt., 10c.; oz., 60c.

You don't "TRY OUR SEEDS," we try them before you get them.

BEET.

German, *Runkel Rube.* French, *Betterave.* Spanish, *Betteraga.*

Culture.—Sow as early in the Spring as the ground can be worked, and every two weeks after for a succession, up to the first week of July. For general crop sow about the middle of May. The soil should be light, sandy loam, well enriched with stable manure, and plowed and harrowed until very fine. Sow in drills one foot to fifteen inches apart, and when well up, thin to from four to six inches. The young Beets pulled out of the rows are excellent used as Spinach.

EXTRA EARLY FLAT EGYPTIAN. A standard sort, earlier than the Blood Turnip, large size, crimson color, small tops. Pkt., 5c.; oz., 10c.; ¼ lb., 20c; lb., 65c.

EDMAND'S BLOOD TURNIP. This we recommend above all others, for family or market use, as a second early and late variety. Of handsome round shape, skin very deep blood red; flesh very dark, and exceedingly sweet and tender. Grow regularly, of good marketable size, not growing over large and coarse as do many sorts of the turnip beet when they have plenty of room. They mature early, have given the very best satisfaction as a bunch beet in the markets of St. Louis. Grows shapely, and are of excellent quality, with small top, making it very desirable for bunching. Will remain sweet and tender longer than any other sort, as our repeated and careful trials have shown. Pkt., 5c.; oz., 10c; ¼ lb., 20c.; lb., 65c.

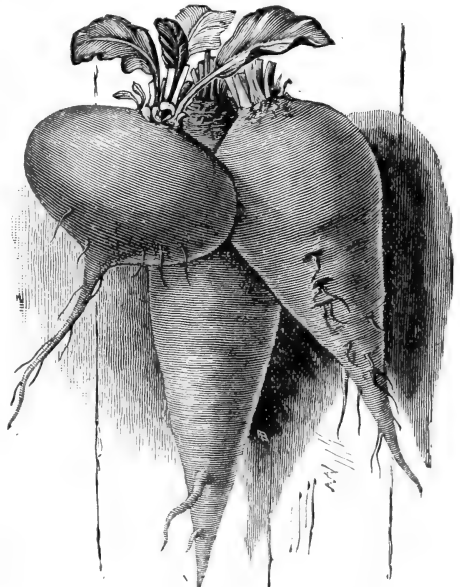
ECLIPSE. A very early smooth, dark, globe-shaped Beet, with small top; in earliness and quality it is excelled by none; a good cropper; we can recommend it highly for market and family use. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 70c.

EARLY BLOOD TURNIP. The standard early sort; an excellent variety. Pkt., 5c.; ¼ lb., 20c.; lb. 60c.

BASTIAN'S BLOOD TURNIP. After the Egyptian Turnip, probably the earliest variety of Beet. It is of blood red color when boiled. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

EARLY FLAT BASSANO. Chiefly valuable for its earliness. Pkt., 5c.; oz., 10c.: ¼ lb., 20c.: lb., 65c.

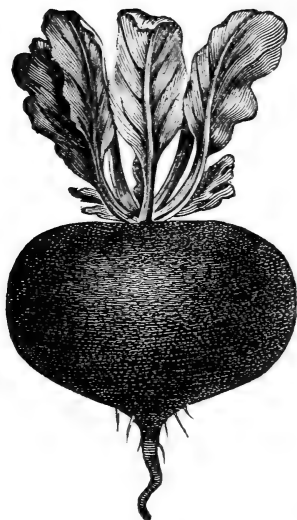
DEWING'S IMPROVED BLOOD TURNIP. Roots deep blood red, of fine form and flavor. Very excellent market variety. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.: 1 lb., 60c.



VARIOUS BEETS.

SWISS CHARD, SILVER OR SEA-KALE BEET. This variety is cultivated solely for its leaves. The mid-rib is stewed and served as Asparagus, the other portions of the leaf being used as Spinach. If often cut, new and more tender leaves will be produced. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

BEET—Continued.



CROSBY BEET.

LONG SMOOTH BLOOD-RED. An excellent late variety. A great improvement on the common Long Blood. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

CROSBY BEET. Extra Early—Our Leader. A very superior strain of blood red Egyptian, carefully selected for years by a noted market gardener, whose aim was to secure a perfect forcing variety. The results obtained, were, handsome form, good size, few small tops, very small tap-root, fine quality, and, above all, quick rapid growth. The shape is very desirable, not quite so flat as the ordinary Egyptian, or so round as the Eclipse. Takes on its turnip shape and looks well even in the early stages of its growth, on which account it is preferred for forcing to Globe and Half long varieties, which require longer time to grow to presentable market shape. This is a decided advantage to those who force for real early market, and especially for a market where Beets are sold in bunches. Once used it is preferred to all others for forcing in frames or for first sowing outside. Being of rapid growth it may be sown as late as July. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

For Sugar Beets and Mangel Wurtzel, see Field Seeds.

REMEMBER.—In comparing prices, please remember that we pay the postage on all seeds to be sent by mail. Customers ordering their seeds sent by freight or express are entitled to deduct 8c. per pound postage, which we have included in our prices.

DWARF OR BUSH BEANS.

French, *Haricots Nains.*

German, *Busch Bohnen.*

Spanish, *Frijorenano.*

Drop the Beans two or three inches apart, in rows standing eighteen inches to two feet apart. Hoe often, never when the vines are wet, or they will rust, drawing the earth slightly towards them. They require but six to eight weeks to make green pods and can be planted as late as August. One quart will plant 100 feet drill; two bushels to the acre in drills.



IMPROVED RED VALENTINE.

GREEN PODDED SORTS.

IMPROVED ROUND POD EXTRA EARLY RED VALENTINE. This is unquestionably the very best and earliest green snap-short bean. It is at least ten days earlier than the Early Red Valentine, and is usually ready to pick thirty-five to forty days from the time of planting. The vine is dwarf, the pods are smooth, round, stringless and very thickly set, remaining green and tender a long time after they are fit to pull. Vines very uniform, making little or no top growth, and producing enormously. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., \$1.00; bu., \$4.00.

EARLY MOHAWK. A very hardy, productive, and early string bean. It will endure a slight frost. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., \$1.25; bu., \$4.00.

EARLY YELLOW SIX WEEKS. Extra early, of fair quality, pods straight and flat. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., \$1.25; bu., \$4.00.

BEST OF ALL. This Bean originated in Germany. It has long glossy pods, about twice as long as those of the Valentine, very tender and succulent, and an enormous producer. Very popular in the South. Pkt., 5c.; pt., 25c.; qt., 45c.; pk., \$1.30; bu., \$4.75.

DWARF OR BUSH BEANS—Continued.

EARLY LONG YELLOW SIX WEEKS. An improved round-podded variety; is early and of excellent quality; very prolific and is already a great favorite. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., \$1.25; bu., \$4.00.

NEW EXTRA EARLY REFUGEE. This has all the first-rate qualities of the well-known Refugee, which it is gradually superseding. It is ready for the market ten days earlier, or about the time the ordinary Refugee is in flower. An immense yielder and sure to produce a crop in either a wet or dry season. It is a fine shipper, and fast becoming one of our most popular green podded snaps for both Spring and Summer planting. Our stock has been specially selected and improved. Pkt., 5c.; pt., 25c.; qt., 40c.; pk., \$1.25; bu., \$4.50.

PRIDE OF NEWTON. A new extra early and very productive variety, with large flat, light green pods. Pkt., 5c.; pt., 25c.; qt., 40c.; pk., \$1.50; bu., \$5.75.

NEW WHITE VALENTINE. This variety is much earlier and of a dwarfier habit than the old White Valentine, the pods being rounder, smoother, plumper, more meaty, and entirely stringless. It possesses the peculiar and valuable quality of remaining in a tender cooking condition longer than any other green-podded variety. This, together with its *extreme earliness*, makes it an exceedingly valuable sort for Spring or Fall planting. The Beans, when ripe, are pure white, thus enabling the grower to sell them as shelled Beans at a profitable figure. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., \$1.25; bu., \$4.75.

WAX PODDED SORTS.

WARDWELL'S EARLY KIDNEY. This new sort is *one of the earliest, hardiest and most productive* of all wax Beans. It is nearly a week earlier than the Golden Wax, and yields one-third more, but the most valuable point in its favor is that it is *almost entirely free from rust* and spots. The pods are long and showy, very tender, stringless and of excellent quality, and assume a rich golden color at an early stage of their growth. Pkt., 5c.; pt., 25c.; qt., 45c.; pk., \$1.60; bu., \$6.00.

YOSEMITE MAMMOTH WAX. The pods frequently attain a length of ten to fourteen inches, with the thickness of a man's finger, and are nearly all solid pulp, the seeds being very small when the pods are fit for use. The pods are a rich golden color, and are absolutely stringless, cooking tender and delicious. This is the coming Wax Bean for family or market purposes. It is enormously productive, as many as fifty of its monster pods having been counted on one bush. The plant is so large and vigorous, and the pods are so solid and pulpy, that they require a great deal of light and air to perfect them. We would again call attention to the necessity of planting this grand variety nearly twice as wide apart as ordinary bush beans. Pkt., 5c.; pt., 25c.; qt., 45c.; pk., \$2.50; bu., \$8.00.

BLACK WAX. When ripe the pods are yellow, averaging seven inches in length, very tender and of the best quality. Seeds when ripe, glossy black. Pkt., 5c.; pt., 20c.; qt., 40c.; pk., \$1.50; bu., \$5.75.

CYLINDER POD, DWARF BLACK WAX. This new and distinct sort is fully *one week earlier than any other Wax Bean*, while its vigor and productiveness leave nothing to be desired. The pods are large and of good color, and ripen remarkably uniformly and well together. There is none better than this for *first early* crop. Pkt., 5c.; pt., 20c.; qt., 45c.; pk., \$1.50; bu., \$5.75.

WHITE KIDNEY. One of the best for shelling, either dry or green. Pkt., 5c.; qt., 35c.; pk., \$1.00; bu., \$3.75.

IMPROVED RUST-PROOF GOLDEN WAX. This improved strain is destined to supersede the well-known Golden Wax, which it has greatly out-yielded in repeated comparative trials. The straight, handsome pods are thicker through, superior in quality, and are claimed by the originator to be absolutely rust-proof. Pkt., 5c.; pt., 25c.; qt., 45c.; pk., \$1.60; bu., \$6.00.

The Best Bean for the Market Gardener.



IMPROVED NAVY OR BOSTON PEA BEAN.

This is a crop which can profitably be grown to a much greater extent than is now done, as it is of comparatively easy culture, and one that certainly pays better than most field crops. It ripens early, before any danger from frost in northern bean growing latitudes, and often yields sixty to eighty fold with ordinary field culture. Pkt., 5c.; qt., 45c.; pk., \$1.00; bu., \$3.50.

WHITE NARROW. Good as a string or shell Bean. Pkt., 5c.; qt., 35c.; pk., \$1.20; bu., \$4.25.

GOLDEN WAX. Earlier than the ordinary wax. Pods, large, long, brittle, stringless, golden wax color. *Our stock is perfectly free from runners.* Pkt., 5c.; pt., 25c.; qt., 40c.; pk., \$1.25; bu., \$5.00.

IMPROVED TREE BEAN. A valuable sort for field culture, the most prolific variety known. The Beans are roundish, very white, of fine flavor and cook very even and quick. Pkt., 5c.; qt., 35c.; pk., \$1.00; bu., \$3.50.

BOSTON SMALL PEA. Very hardy and prolific and yields from fifty to sixty fold with ordinary field culture, averaging six beans to the pod. The seed is small, round and handsome. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., \$1.50; bu., \$5.50.

POLE BEANS.



LAZY WIVES POLE BEANS.

Great favorite.

The pods grow from four to six inches long, entirely stringless, and of a rich flavor when cooked. The pods remain green and retain their tender, rich flavor until nearly ripe. The Beans are white and can be used as a shell Bean. Pkt., 5c.; pt., 30c.; qt., 50c.; pk., \$3.

SCARLET RUNNER.

A favorite both as a snap Bean and for its flowers, which are bright scarlet; seeds broad and kidney-shaped. Pkt., 5c.; pt., 25c.; qt., 45c.; pk., \$1.75; bu., \$6.00.

CREASEBACK POLE BEAN. The *best Early Green Podded Pole Bean*. A good grower and exceedingly productive. The pods grow from five to six inches long, perfectly round and are entirely stringless, very fleshy, and of superb quality. An unusually good market and shipping sort. Pkt., 5c.; pt., 30c.; qt., 55c.; pk., \$1.75; bu., \$6.50.

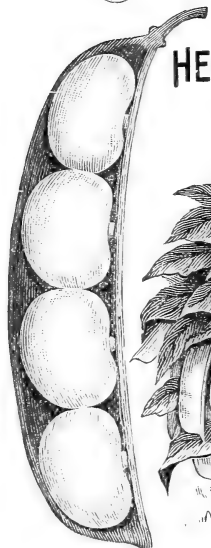
DUTCH CASE KNIFE. Good corn hill Bean; one of the earliest Pole Beans; pods are long and flat; beans white; used green or dry. Pkt., 5c.; qt., 40c.; pk., \$1.50; bu., \$5.00.

HORTICULTURAL CRAN BERRY. An old popular variety, excellent as a snap or shelled Bean; speckled. Pkt., 5c.; qt., 50c.; pk., \$1.50.

SOUTHERN PROLIFIC POLE. Habit vigorous, prolific, bearing till frost; pods borne in clusters. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., \$1.50; bu., \$5.75.

WHITE CORNFIELD POLE. A popular variety, white, pods round and succulent; very productive. Pkt., 5c.; pt., 25c.; qt., 45c.; pk., \$1.75; bu., \$6.25.

LIMA BEANS.



HENDERSON'S NEW BUSH LIMA BEAN.



HENDERSON'S NEW BUSH LIMA.

HENDERSON'S BUSH LIMA. This valuable variety is at least *two weeks earlier* than any of the climbing Limas and produces a *continuous crop* until frost. Being enormously productive, a very small patch will keep a family supplied throughout the season. The Beans are of the size of the Sieva or Southern Lima, and of delicious quality. Pkt., 10c.; pt., 30c.; qt., 55c., post-paid; pk., \$2.25; bu., \$8.00.

BURPEE'S BUSH LIMA. The true bush form of the Large Lima Pole Bean. (See Seeds of Special Merit, page 10.) Pkt., 10c.

POLE LIMA BEANS.

LARGE WHITE LIMA. The well-known favorite Summer and Winter Shell Bean. Large, greenish-white Beans of finest flavor, shelled green, and also good dried for winter use. Being very tender, it should not be planted until the ground is warm. Pkt., 10c.; pt., 25c.; qt., 50c., post-paid, by mail.

DREER'S IMPROVED LIMA. Earlier and more prolific than Large Lima; Beans are smaller, but of extra quality. Pkt., 5c.; pt., 30c.; qt., 50c.; pk., \$1.65; bu., \$5.50.

ENGLISH BEANS.

Drop early in Spring, three inches apart, in drills two or three feet apart.

EARLY LONG POD. Good and productive, resembling Broad Windsor. Pkt., 5c.; pt., 25c.; qt., 45c.; pk., \$1.25; bu., \$5.00.

BROAD WINDSOR. Largest and best, immense Pods, heavy yielder. Pkt., 5c.; pt., 25c.; qt., 45c.

KING OF THE GARDEN LIMA. While the dried Beans are about the same size as the common Large Lima, the *green* Beans are of unusual size. The pods are very long, and frequently contain four to six very large Beans. The Beans are so large and handsome that they sell well on the market, while in quality they are excellent. The pods are produced in large clusters, and the luxuriant vines present a beautiful sight. Pkt., 5c.; pt., 20c.; qt., 35c.

EXTRA EARLY JERSEY LIMA. The Beans are nearly as large and fully as good as the Large Limas, while they mature nearly as early as the Small Lima. Pkt., 5c.; pt., 25c.; qt., 45c.

Prices on packets, pints and quarts, include postage.

Dickmann's Reliable Cabbage Seeds.

French, *Chou Pomme*. German, *Kopf-Kohl oder Kraut*. Spanish, *Berza de Repollo*.

Culture Instructions.—The best soil possible for cabbage is a heavy loam, but it will thrive in any new land—that is, sod ground—which for early cabbage should be plowed in autumn. For late varieties, plow about the first of June: cross-plow just before setting. A liberal application of manure is essential to a good crop. For early use, sow in hot beds latter part of February, and transplant, as soon as the ground is ready, in rows two feet apart, and set plants twenty inches apart in the rows. For second early the early kinds may be sown in the early part of April and transplanted in May. Late varieties, sow in May and transplant in July. Our stocks are Long Island grown, and are the best seed this country produces. All plants put out for seed purposes have heads fit for market; the selection is made by experienced cabbage seed growers, and embrace the best and most popular varieties under cultivation.

DICKMANN'S GIANT SUMMER.

My leader for Early Cabbage. This variety is as early as the Jersey Wakefield, and it can be said without hesitation that it is one of the finest early cabbages in cultivation, having small outer leaves and forming a large solid head, and can be depended on to produce a greater weight of crop to the acre than any other early variety in cultivation. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

ECLIPSE. Next to Dickmann's Giant Summer, considerably larger than Henderson's Early Summer, and from seven to ten days earlier, has a dark green color, small veins and midribs; also very short stem. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.50.



DICKMANN'S GIANT SUMMER CABBAGE.

EARLY DWARF FLAT DUTCH. An excellent early variety, producing fine large heads. The heads are very solid, broad and round, flattened on top; tender and fine grained. It is grown extensively as an early cabbage for the market. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

CHARLESTON WAKEFIELD. It forms fine solid heads of good size, conical in shape, with very few outside leaves, and of the best quality. We offer this as the earliest strain of this standard. *Grown only from select heads.* Remarkably pure, and warranted to give satisfaction. Pkt., 15c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.25.

SELECT EARLY JERSEY WAKEFIELD. Of fine form and solid heads of large size, conical in shape, with but few outer leaves. A well known market sort. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

EARLY SUMMER. A second early sort with large solid heads, coming in a few days later than the Wakefield. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

LARGE EARLY YORK. A well known favorite variety. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

ALL SEASONS. This new Drumhead Cabbage is almost as early as Early Summer, and growing a third to one-half as large again. As its name indicates, it can be planted at all seasons, makes a splendid early and late variety. The heads are large, very solid, of superior quality, and not liable to burst after heading. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

We sell no Seeds on commission and have no old boxes of seed sent back to us. Quick sales and small profits are far better.



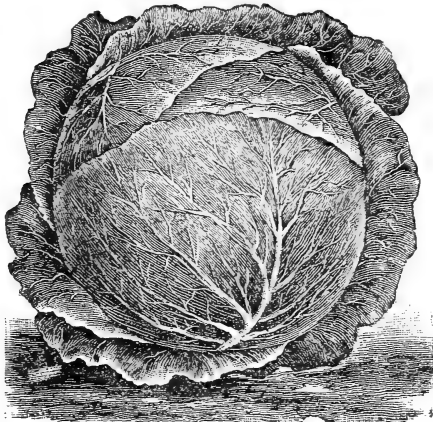
EARLY JERSEY WAKEFIELD CABBAGE.



LATE CABBAGE.



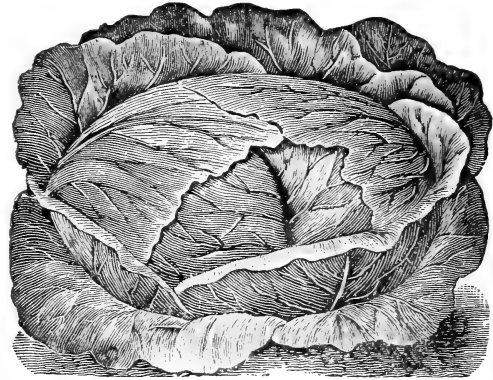
SURE HEAD. Large heads, often weighing more than twelve pounds apiece. Very round and uniform in shape and general appearance, fine grained, small, short stump, with few loose leaves, thus allowing them to be set out nearer together; it also has the very valuable quality of remaining after fully matured, without cracking or bursting, much longer than any other. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb. 70c.; lb., \$2.50.



SURE HEAD CABBAGE.

MARBLEHEAD MAMMOTH DRUMHEAD. The largest variety in cultivation, heads growing to an enormous size, being compact and hard. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 80c.; lb., \$2.25.

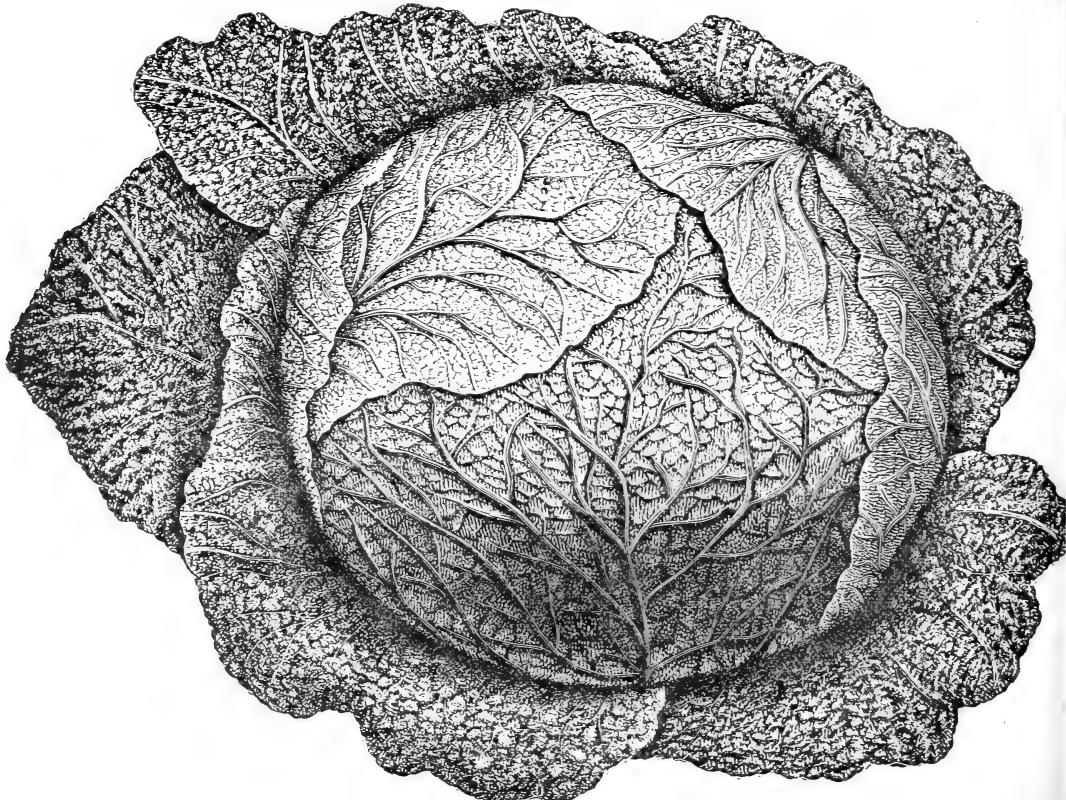
LARGE LATE DRUMHEAD. Extra stock. Pkt. 5c.; oz.; 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



PREMIUM LATE FLAT DUTCH.

PREMIUM LATE FLAT DUTCH. As a variety for winter market this has no superior. Heads large, round, solid, broad and flat on top. They open white and crisp, are tender and well flavored. One of the best varieties for keeping. Our stock has been carefully selected for several years and we are confident no better strain is on the market. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$3.00.

IMPROVED BRUNSWICK. Produces a firm and solid head of good quality. Largely used by market gardeners. An excellent second-early or late variety. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



AMERICAN DRUMHEAD SAVOY CABBAGE.

CABBAGE—Continued.

SAVOY CABBAGE.

We desire to call special attention to this class, all of the varieties enumerated below being of much finer flavor and quality than the best of other Cabbages. They are particularly adapted for private use, where quality rather than quantity is desired. Grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.

EARLY DWARF ULM SAVOY. A very early variety, with small, round, solid heads. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 80c.; lb., \$2.25.

NETTED SAVOY. This is the finest of the Savoy class, and a general favorite. Heads large, very solid and compact, a yellowish green color, and, like all other of the Savoy varieties, is of excellent flavor, far surpassing that of any other late Cabbage. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

AMERICAN DRUMHEAD SAVOY. The largest heading Savoy; of excellent flavor. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

RED CABBAGE.

RED DUTCH. Used almost exclusively for pickling. It is one of the hardiest of all Cabbages, will keep till very late in the season. It is slow to mature, however, and requires a rich soil for its perfect development. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

EARLY BLOOD RED ERFURT. Earlier than the preceding. Valuable for pickling. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

MAMMOTH ROCK RED. Is a large-growing and selected strain of late Red Cabbage. The heads will average 12 lbs. each. Pkt., 10c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

COLLARDS, TRUE GEORGIA.

French, *Chou*. German, *Blatter-Kohl*.

Sow for succession from June to August, and treat as Cabbage. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$2.10.



CAULIFLOWER.



German, *Blumen-Kohl*.

French, *Choufleur*.

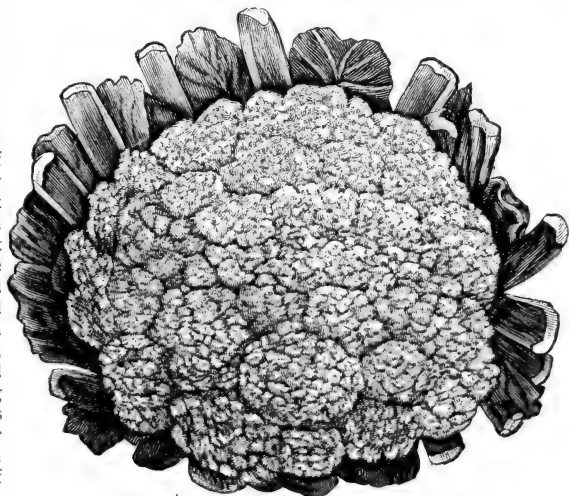
Spanish, *Coliflor*.

Cultivation.—The Cauliflower is esteemed as one of the most delicious vegetables. It requires the same treatment and culture as the cabbage, and with good seed of a pure strain, it is as easily grown. Sow the seed in a cold frame early in spring, or in a sheltered and well prepared seed bed, in the open ground, in a warm sunny exposure; keep the plants sufficiently well thinned out to secure a vigorous and stocky growth, and when of the usual size of Cabbage plants, transplant them about two feet apart, in good well-enriched soil. One ounce for 1,000 plants.

ERFURT EARLIEST DWARF. Extra select. My Extra Select Erfurt Earliest Dwarf Cauliflower has no superior. This variety is obtained from a selection of the largest and earliest heads, and is unsurpassed in quality. We have it grown by the most experienced growers in Europe, and the greatest care is taken to have it pure; and the large demand we have for the seed proves, beyond doubt, that our efforts in that direction meet with success. Poor, cheap Cauliflower seed is a dear gift, and we would caution everyone to buy nothing but the best. For forcing, this variety is unequalled, and is equally well adapted for late planting. It is dwarf and compact in habit, thereby accommodating almost a half more plants on the space occupied by the taller growing varieties. When grown under favorable circumstances almost every plant will produce a snow-white head 9 to 10 inches in diameter. Pkt., 25c.; $\frac{1}{4}$ oz., \$1.50; $\frac{1}{2}$ oz., \$2.50; oz., \$5.00. Special prices on larger quantities.

EXTRA EARLY DWARF ERFURT. Fine for forcing and equally valuable in the open ground. The plants are dwarf and compact and seldom fail to form a good-sized head. Pkt., 15c.; oz., \$3.00; $\frac{1}{4}$ lb., \$10.00.

EXTRA EARLY PARIS. The leaves being large, it is not so desirable for forcing, but is valuable



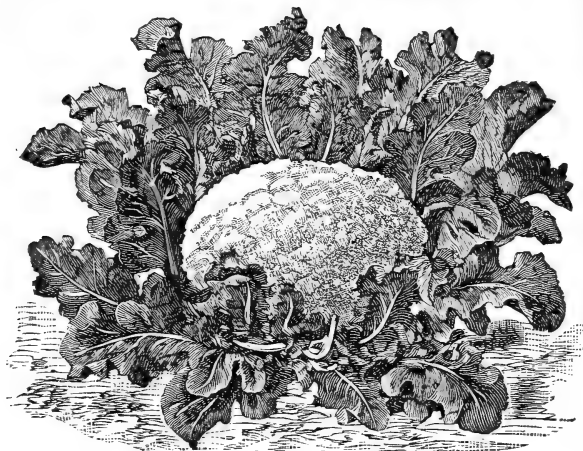
ERFURT EARLIEST DWARF CAULIFLOWER.

produce a snow-white head 9 to 10 inches in diameter. Pkt., 25c.; $\frac{1}{4}$ oz., \$1.50; $\frac{1}{2}$ oz., \$2.50; oz., \$5.00. Special prices on larger quantities. for outdoor culture. Pkt., 5c.; oz., 80c., $\frac{1}{4}$ lb., \$2.75.

LARGE LATE ALGIERS. This is one of the best late varieties. It is largely grown for Fall use, never failing to produce large, fine heads. Very popular with market gardeners and canners. Pkt., 10c.; oz., 80c.; $\frac{1}{4}$ lb., \$2.75.

You don't "TRY OUR SEEDS," we try them, before you get them.

CAULIFLOWER—Continued.



LARGE SELECT DANISH CAULIFLOWER.

LARGE SELECT DANISH. It has given the most general satisfaction to all our customers; has proven invariably a sure header, in this respect having no equal. It has every desirable quality of size and snowy whiteness. The flower head is of very fine grain, dense growth, while the plant has a very short stem and close outer leaves. Pkt., 5c.; $\frac{1}{4}$ oz., \$1.00; $\frac{1}{2}$ oz., \$1.75; oz., \$3.00.

EARLY SNOW BALL. Remarkable for reliability in heading; scarcely a plant fails to produce a good head. Very dwarf, with solid, pure white heads of superior quality. If planted the first of March, heads 9 to 12 inches in diameter will be ready early in June, in which month the entire crop can be marketed. Pkt., 5c.; $\frac{1}{4}$ oz., \$1.00; $\frac{1}{2}$ oz., \$1.75; oz., \$3.00.

We can also supply the following standard varieties, which are too well known to need description, at the uniform price of pkt., 5c.; oz., 75c., $\frac{1}{4}$ lb., \$2.50:

Half Early Paris or Nonpareil. Early London. Lenormand's Short Stemmed.



CARROT.



German, *Mohre.* Spanish, *Carotte.* French, *Zanahoria.*

The Carrot, like other root crops, delights in a sandy loam, richly tilled. For early crops sow in spring as soon as the ground is in good working order; for later crops they may be sown any time until the middle of June. Sow in rows about fifteen inches apart, thinning out to three or four inches between the plants. In field culture, when grown for horses or cattle, the rows should be two feet apart, so that the crop can be worked by the House Cultivator. As carrot seed is slow to germinate, all precautions must be taken.

NEW INTERMEDIATE RED. This splendid variety originated in France. It grows to uniform large size, intermediate in shape between the Half-Long and Long Orange. The roots are straight and smooth, broad at the top, measuring about two and three-fourths inches across, with a length of about eleven inches. The color is a rich orange red. In table quality it is faultless. It will be found a most excellent variety for either garden or field culture. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

EARLY HALF LONG SCARLET CARENTAN. The skin is smooth, flesh red, and without any core or heart. It is excellent for forcing, and for fine quality and perfect shape can hardly be surpassed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

HALF LONG RED.—Stump-rooted. In size and time of maturity it is between the Early Scarlet Horn and the Long Orange. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

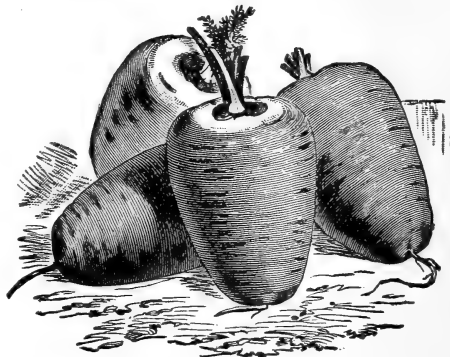
EARLY HALF LONG SCARLET.—Pointed-rooted. Differing from the preceding sort only in having a pointed instead of a stump or blunted root. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

LARGE RED ALTRINGHAM. Similar to the Long Orange, but of a bright red. Largely grown for stock feeding. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

DANVERS HALF LONG ORANGE. This variety originated where the raising of carrots is made a special business, twenty to thirty tons per acre being no unusual crop. In form it is midway between the Long Orange and Short Horn. The root is of a rich, dark orange color, and grows very smooth. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

GIANT SHORT WHITE, OR WHITE VOSGES. Very large but short root, smooth, cylindrical and regularly tapering to a point; a good cropper, and easily harvested. This fine variety is rapidly taking the place of the White Belgian. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

LARGE WHITE BELGIAN. This attains the largest size, and will yield as much in bulk as any other sort grown. Flesh yellowish-white; excellent for stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.



OXHEART CARROT.

RUBICON HALF LONG. Of dark orange color. It is earlier than the Danvers and about the same length, leaves are one-third shorter, fewer and finer than this well-known sort. It grows without neck, the crown is hollow and it grows well under the ground, which prevents it from becoming sunburnt. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

CARROT—Continued.

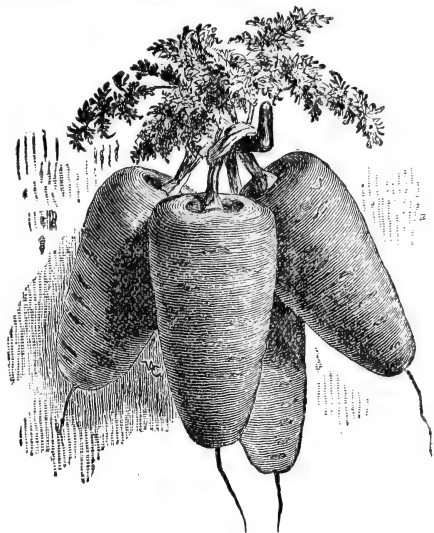
CHANTENAY, OR MODEL. For table use it is probably the best in shape and finest in quality of all. The carrots have attained such a uniformity that they are almost duplicates of each other. They are a little longer than the Short Horn, being thicker at the shoulder and hence more productive; always smooth and fine in texture and easily dug; the flesh is of a beautiful deep golden-orange, tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

MASTODON. This is the heaviest cropping carrot grown, yielding more tons to the acre than any other sort. The flesh is white, crisp, solid and very sweet in flavor. It is a vast improvement on the white and green Belgian sorts which have been such favorites in the past, as it is not only much more productive, but vastly easier to handle. The roots are short and very heavy at the shoulder, rendering them easily harvested. An important feature, also, is that they do not easily break in pulling or storing. Too much can scarcely be said of their size and great productiveness. The roots frequently measure fifteen to twenty inches in circumference, and eighteen to twenty-five tons to the acre is not an extravagant statement as to the yield. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

VICTORIA. This is the largest and unquestionably the heaviest cropping and most nutritious yellow variety in cultivation. It is the largest and best form of orange and yellow carrot known. The roots are remarkably fine, very symmetrical and of excellent quality, possessing high feeding properties. It is a heavy cropper on all soils, but especially adapted for strong or rich land. It grows fully half as much weight again per acre as the ordinary varieties, and as the roots grow more above the ground, it is much easier to gather the crop. This grand variety is sure to suit every one who grows it. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

IMPROVED LONG ORANGE. A standard late variety, handsome and uniform in shape; deep orange color; good flavor; yields heavily. It is of excellent table quality, and is also highly nutritious for stock, increasing the flow of milk and improving its quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

EARLY SCARLET HORN. Favorite for early crop, but not large. Sold largely in markets bunched. It matures eight to ten days earlier than the Long Orange, and is sometimes used for forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



CHANTENAY CARROT.

HALF-LONG SCARLET NANTES. Skin smooth; nearly cylindrical stump-rooted variety, having little or no core. Flesh, red and of fine flavor. Esteemed in France as the leading table variety. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

EARLY FRENCH FORCING. The earliest variety and one grown largely for forcing purposes. It makes a small, almost globe-shaped root of an orange-red color. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

OXHEART OR GUERANDE. A French variety of recent introduction and a decided acquisition. It is intermediate between Half Long and Horn varieties and perfectly distinct. The shape is nearly oval and the color and quality all that can be desired. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

CELERY.

French, *Celeri.*

German, *Sellerie.*

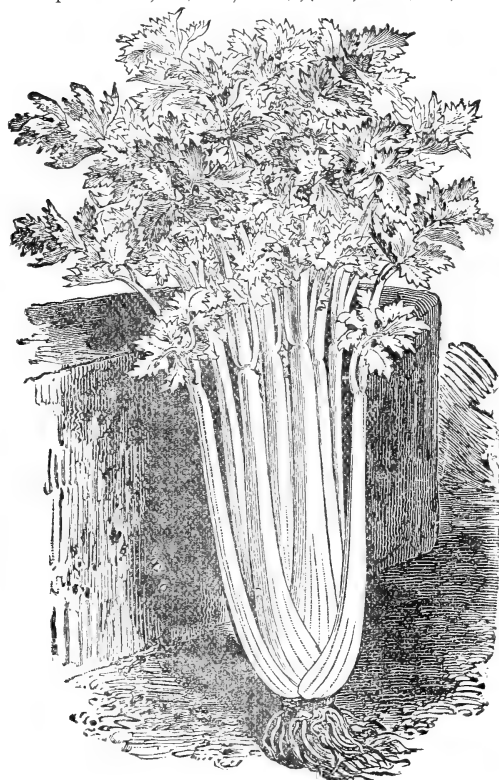
Spanish, *Anis.*

Culture.—To grow early Celery, sow the seed late in March in a hot-bed or box, and for later crops, in the open ground, as soon as the weather becomes warm, cover lightly or better still, roll or press it in. Shade the young plants for a week or ten days, and do not let the soil dry out. The tops may be shorn off once or twice before planting so as to ensure "stocky" plants, which will suffer less on being transplanted. When from four to six inches high, transplant into broad shallow trenches, or on the level ground, setting the dwarf sorts into rows, three feet apart, and the tall varieties four feet apart, and six inches apart in the rows. The soil should be light, highly manured, partially shaded and moist, or near water, as the plants must be freely watered in dry weather, but should not be put directly on them. Earthing up checks the growth, and should not begin until quite well grown, then earth up gradually, keeping the leaf stocks close together so that the soil may not fall into the center of the plant, but never earth up in wet weather nor when dew is on them. That intended for winter and spring use needs little banking, when stored for winter it will naturally bleach beautifully white. One ounce to 3,000 plants.

We want your trade, all we ask is a trial order, then we know we will get it.

CELERY—Continued

DWARF GOLDEN HEART. The most popular variety of all. Its handsome color, medium size and fine flavor render it the leading sort both for home and market use. It is one of the best keepers. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00



GOLDEN SELF-BLANCHING CELERY.

NEW GIANT PASCAL. The latest and best variety of Celery. It is a selection from the Golden Self-Blanching, and adds to the general good qualities of its parent, superior keeping qualities. The stalks are very large, thick, solid, crisp and of a rich nutty flavor, free from any trace of bitterness; it blanches very easily and quickly and retains its freshness a long time after being marketed. The heart is golden yellow, very attractive in appearance. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

KALAMAZOO CELERY. The most solid, crisp-eating and delicious flavored variety. The most perfect type of Dwarf White Celery known. It is perfectly distinct, and is of a beautiful cream-white color throughout; attains a very large size; is of quick growth; stiff, close habit, outer ribs standing straight and perfect. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

NEW ROSE. Without doubt the finest of its class. The color is a beautiful shade of rose, of exceptional fine flavor, solid, crisp and entirely free from stringiness; splendid variety for late use, keeping well. Pkt., 5c.; oz., 30c.

WHITE PLUME. A handsome, crisp sort of very easy cultivation. Naturally its stalks and portions of its inner leaves and heart are white, so that by closing the stalks either by tying or by simply drawing the soil up against the plant and pressing it together, the work of blanching is completed without the additional troublesome process of "banking" or "earthing up." Its eating qualities are equal to the very best other sorts, being crisp, solid and of a rich nutty flavor. It is not as good a keeper as our Golden Heart, but it is unsurpassed for fall and early winter use and is the earliest Celery known. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$2.50.

GOLDEN SELF-BLANCHING. The introduction of this and the White Plume marked a decided advance in the use of this vegetable by all amateur growers. The time and labor required in blanching are in these kinds nearly overcome. This strain is no doubt to-day the finest in cultivation for the home garden. Our seed is as pure a strain as exists. Its rich golden yellow color, its close habit and compact growth, and greater than all, the readiness with which it is bleached and rendered marketable, make it invaluable to the gardener and exceedingly popular with every planter. The entire stalk is solid, crisp, and a much better keeper than the White Plume. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

BOSTON MARKET. The great favorite in the Boston markets. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.40.

PERFECTION HEARTWELL. One of the best market sorts. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.40.

GIANT WHITE SOLID. The best strain of large White Solid Celery, and a most imposing variety. It attains a very large size, is of quick growth, stiff, close habit, remarkably solid, blanches perfectly white, of fine flavor, crisp, and very tender. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.40.

RED GIANT SOLID. Pkt., 5c.; oz., 25c.

OLD CELERY SEED. Used for flavoring. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

CELERAIC.—Knollen Sellerie.

GIANT PRAGUE. The roots are almost globe-shaped, very even and without rootlets except on the under part. They are usually double the size of those of other varieties and the leaf-stalks are stouter. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.60.

LARGE ERFURT. Roots large, smooth and of excellent flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

APPLE SHAPED. Smaller than others, but smoother. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

LARGE IMPROVED PARIS—New. An extra selected strain, used extensively in Paris. It will produce extra large and smooth roots if planted in well rotted hot-bed manure. Pkt., 5c.; oz., 50c.

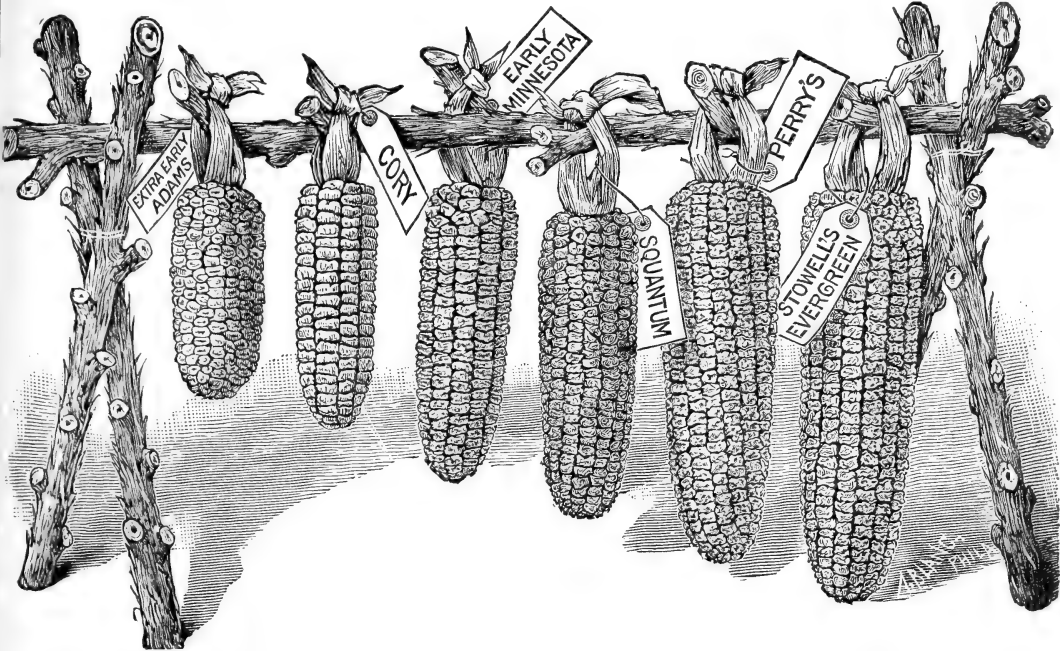
CORN SUGAR.

German, *Welchkorn.*

French, *Mais.*

Spanish, *Maiz.*

All varieties of Sweet or Sugar Corn may be either sown in rows four and one-half feet apart, and the seeds placed about eight inches apart in the rows, or planted in hills at distances of three or four feet each way, according to the variety grown or the richness of the soil in which it is planted. The taller the variety, or the richer the soil, the greater should be the distance apart. We make our first plantings in this vicinity about April, and continue successive plantings every two or three weeks until the last week in July. In more southerly latitudes planting is begun a month earlier and continued a month later.



THE COUNTRY GENTLEMAN. The Country Gentleman is the finest of all Sweet Corns, retaining its delicate tenderness and flavor even when a little old. While the ears are much smaller and less showy than the coarser varieties, for private family use, where quality is the first consideration, it has no equal, for it is the finest Sweet Corn for private use. The ears, of good size, are produced in great abundance; stalks frequently bear four, while the average is three ears to a stalk. The cob is very small, giving great depth to the kernels, which are of pearly whiteness. But the great merit of the "Country Gentleman" Corn is its delicious quality; it is, without doubt, the sweetest and most tender of all Sweet Corn, and at the same time with ears of good size. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

EARLY CORY. One of the earliest Sweet Corns. Ears about six inches long, generally two or three ears to the stalk; first ears are fit for use in about forty-four days after planting; owing to its earliness one of the best for market. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

CROSBY'S EXTRA EARLY. An early market variety; very productive, ears rather short and rich sugary flavor. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

EARLY MINNESOTA. Very early and desirable alike in the market or family garden. Height not over four and one-half feet; ears of fair size and good quality. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

MAMMOTH. One of the best late varieties; ears enormously large, twelve to sixteen rows, very tender and sweet, cob white, large and well filled. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

PERRY'S HYBRID SWEET CORN. A very fine early variety, fully as early as the Minnesota, and ears much larger, each containing twelve to fourteen rows of kernels, well filled to the ends. The grains are very large and pure white, but the cob is red. The ears are about the same length as Crosby's, but larger around, and are ready to market fully a week earlier. The stalks grow five and one-half feet high, and the ears (two to a stalk) are set about two feet from the ground. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

SHOE PEG. A new and entirely distinct variety. It has the deepest grain and smallest cob of any sweet corn known. It is said to be of such exceedingly sweet and juicy flavor as to sell where it is known at double the prices of other varieties. It was introduced last season and from reliable sources we learn that it possesses exceptional merit. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

You don't "TRY OUR SEEDS," we try them before you get them.

CORN, SUGAR—Continued.

ADAM'S EXTRA EARLY. This is not a sweet corn, but a tender white corn for the table. It can be planted earlier than any sweet corn, and will be ready in sixty days. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

EGYPTIAN. Ears of large size; the flavor peculiarly rich and sweet. It is grown in large quantities for both canning and for selling in the green state. Like all other large varieties, it matures late. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

NE PLUS ULTRA. Very sweet and tender. The ears are short, but the cob is very small, and the kernels of extraordinary depth, pearly whiteness, and are irregularly crowded together on the cob. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

STOWELL'S EVERGREEN. This variety is more largely planted than any other, being the general favorite with canners and market gardeners for late use. It is very productive, the ears are of large size, grains deep, exceptionally tender and sugary, and remain for a long time in an edible condition. Our stock is very fine, and specially recommended to truckers and canners. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

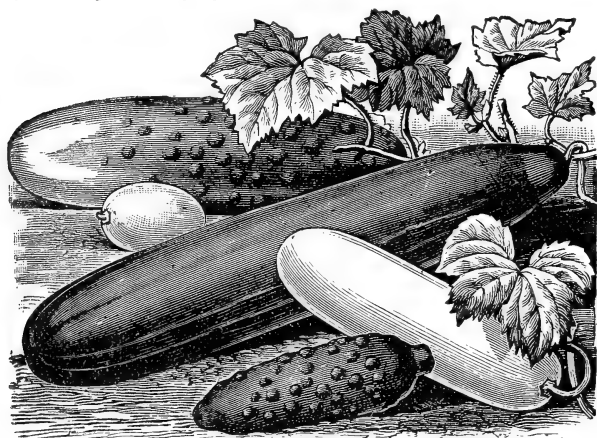
BLACK MEXICAN. A black-grained variety, sweet and tender, must be picked young to avoid a black appearance when cooked. Pkt., 5c.; pt., 20c.; qt., 35c.; post-paid.

SWEET CORN FOR FODDER. This is better than field corn to grow for green fodder; being very sweet and nutritious, cattle will eat every part of the stalk and leaves. Bushel, \$2.00; ten-bushel lots, \$1.80 bushel.

CUCUMBER.

German, *Gurke.* French, *Concombre.* Spanish, *Cohombro.*

One ounce for fifty hills; two to three pounds in hills for an acre. Cucumbers succeed best in warm, rich, sandy loam. They should not be planted in the open air until there is a prospect of settled warm weather. Thin in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil of each, a shovelful of well-rotted manure. When all danger from



CUCUMBERS.

SHORT GREEN, OR GHERKIN. Similar to Early Fame; good for pickling. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

EXTRA LONG WHITE SPINE. Largely used for forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

WEST INDIAN GHERKIN, OR BURR. This variety is used exclusively for pickling. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

TAILBY'S HYBRID. A hybrid of the White Spine, with a large English variety, retaining prolificness of the former, united with large size, hardness and desirable market qualities. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

EARLY RUSSIAN. The earliest variety. Fruit produced in pairs. Small, hardy and productive. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

insects is passed, thin out the plants, leaving three or four of the strongest to each hill. The fruit should be gathered when large enough, whether required for use or not, as if left to ripen on the vines, it destroys their productiveness.

EVERGREEN WHITE SPINE. A new and improved strain of the well known White Spine, and fast becoming the favorite with market gardeners, both for forcing an outdoor culture. It differs from the ordinary White Spine in the fact of always remaining of a deep green color in all stages of growth. Altogether it is a most welcome and valuable acquisition for pickling, market or home use, and should be tried by all who have a garden. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

LONG GREEN. Long fruit of excellent quality, dark green, firm and crisp. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

ST. LOUIS PICKLE. In recent years our city has become the center of a very large pickling industry. This variety, originated by a gardener largely interested in the business, is preferred for pickling by almost every large pickling factory in this city, and for commercial pickles it is one of the best. We offer the best selected seed of this variety; none better at any price. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

EARLY FRAME. An old and popular variety of medium size, straight and handsome. Excellent for pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

EARLY CLUSTER. A much esteemed early sort, growing in clusters and extremely productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

CUCUMBER—Continued.

JERSEY PICKLE. A standard pickling variety; dark green; tender, crisp, productive, of fine flavor and uniform size. We supply gardeners and pickle growers with our superior strain. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

NEW GIANT OF PERA. They are of the most delicious flavor, no other cucumber ever eaten surpasses them. Another remarkable quality is that they are very crisp and tender at all stages, and can be eaten at any time during growth. They grow to an enormous size, frequently to one and a half feet in length, and ten to eleven inches in circumference; very smooth and straight, with a beautiful green skin. The fruit sets near the hill and grows close together, making them exceedingly prolific. The seed cavity is very small, and the seeds are slow to form and few in number. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

NEW EVERBEARING. The peculiar merit of this variety lies in the fact that the vines flower and produce fruit continuously until killed by frost. They exhibit at the same time cucumbers in every stage of growth, but invariably of perfect form even when very small. The cucumbers are of a fine green color, and are desirable for pickling. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

GREEN PROLIFIC. One of the best pickling sorts, growth very uniform, hardly every yielding cucumbers too large for pickling. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

BOSTON PICKLING. Largely used about Boston by market gardeners. A very productive kind of superior quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

IMPROVED EARLY WHITE SPINE. One of most popular varieties both for marketing and table use. Vines vigorous, fruiting early and abundantly, fruit uniformly straight and handsome, light green with a few white spines, flesh, crisp and of fine flavor. Largely grown for forcing and extensively grown in the South for shipping to the Northern markets early in the season. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

NICHOL'S MEDIUM GREEN. We consider this a most valuable variety, being useful and desirable for all purposes alike. As a pickle sort it will be found unequalled, and for early forcing or slicing there is no better. It is exceedingly productive, of medium size, and always straight and smooth, and if only one variety be grown and is wanted to serve all purposes, this should be that one. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

FORCING CUCUMBERS.

The forcing varieties are of fine quality and of wonderful size, often twenty-four to thirty inches long, but they require a hot bed until the weather is warm.

GENERAL GRANT. Green; twenty to twenty-five inches long. Pkt., 15c.; oz., \$1.25.

GIANT OF ARNSTADT. One of the finest; twenty inches long. Pkt., 15c.; oz., \$1.25.

GLORY OF ERFURT. Snow white; twenty to twenty-four inches long. Pkt., 15c.; oz., \$1.25.

SWAN NECK. Green; twenty-six to thirty inches long. Pkt., 15c.; oz., \$1.25.

CARDOON.

Culture.—Sow early in Spring, in rows, where they are to stand, thin them to one foot apart. When full size, bind the plants together with straw or matting and earth up like celery to blanch. The stems of the leaves are used for salads, soups and stews.

LARGE SOLID. Grows about four feet high; leaves nearly free from spines. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 95c.

CHERVIL.

CURLED CHERVIL. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00

CHICORY.

LARGE ROOTED. Used to mix with, or as a substitute for coffee. Cultivation the same as for Carrot. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., \$1.00.

CRESS OR PEPPER GRASS.

A well-known pungent salad; can be used alone or with Lettuce. Requires to be sown thickly (covering very slightly), at frequent intervals, to keep up a succession, as soon as it runs to seed.

CURLED GARDEN. Very fine; may be cut two or three times. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

CORN SALAD or FETITCUS.

German, *Lammersalat*. French, *Mache*. Spanish, *Canonigos*.

A vegetable used as a salad, and sold to a large extent in our markets. It is sown on the first opening of Spring, in rows one foot apart, and is fit for use in six or eight weeks from time of sowing. If wanted to come early in Spring it is sown in September, covered up with straw or hay as soon as cold weather sets in, and is wintered over exactly as Spinach.

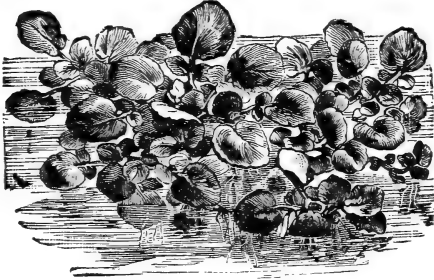


CORN SALAD OR FETITCUS.

LARGE LEAVED. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

CRESS—Continued.

TRUE WATER CRESS. This is a well-known hardy perennial, aquatic plant, sold in immense quantities in spring. It is easily grown by planting among margin of ponds and streams, where it increases both by spreading of the roots and seeding. It has a particularly pleasant taste. Pkt., 5c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.



TRUE WATER CRESS.

NEW UPLAND CRESS. Has the highly prized flavor of Water Cress. It is so hardy as to be green nearly the whole year, and is ready for use before any other salad, in the spring. Pkt., 5c.; $\frac{1}{2}$ oz., 30c.

DANDELION.

French, *Pisse-en-lit*. German, *Loven Zahn*. Spanish, *Amargon*.

Cultivated for Spring greens and for salad. Sow in May or June, in drills half an inch deep and twelve inches apart.

IMPROVED LARGE-LEAVED. Very early and wholesome greens. Sow in May or June; cultivate during Summer, and following Spring the leaves will be fit to cut. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

ENDIVE.

French, *Chicoree Endive*. German, *Endivien*. Spanish, *Endivia*.

Sow in June or July, and when up an inch or two transplant to one foot apart each way. Keep clear of weeds until the plant has grown to its full size, and the process of blanching begins, by gathering up the leaves and tying them together. The simplest means of excluding the light will suffice to blanch them thoroughly.

GREEN CURLED SUMMER. A fine market sort for early use. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.90.

GREEN CURLED WINTER. Tender green leaves, blanch white, hardy. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.90.

MOSS, VERY FINE CURLED. Tender, fine quality. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.

BROAD-LEAVED WHITE. Leaves large, broad, slightly curled; tie up for blanching. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

WHITE CURLED. Large leaves, pale green, crisp and tender. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

EGG PLANT.

French, *Aubergine* German, *Eierfrucht*.
Spanish, *Berengena*.

The Egg Plant will thrive in any good garden soil, but will repay good treatment. The seeds should be sown in hot beds, warm greenhouse or light room, in March or April, and when about an inch high, pot in two-inch pots. Plant out about June 1st, two and a-half feet apart.



IMPROVED NEW YORK PURPLE.

NEW YORK IMPROVED OVAL PURPLE. The best variety in cultivation, being early, a sure cropper and of fine quality. Plants large, vigorous, with light green leaves; fruit very large, oval, deep purple; flesh, white, tender and of superior quality. Pkt., 5c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

BLACK PEKIN. Fruit globular, almost black, skin smooth; flesh white, fine grained and highly flavored. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.

EARLY LONG PURPLE. Earliest and most productive; fruit long, dark rich purple, and of fine quality. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.

HORSE RADISH.

Horse Radish is grown from young roots or sets which should be planted out in the Spring. They will form a large sized radish fit for use in one season's growth. Roots, per doz., 20c.; per 100, 75c., by mail, post-paid. Write for special prices by the thousand.

KALE, or BORECOLE.

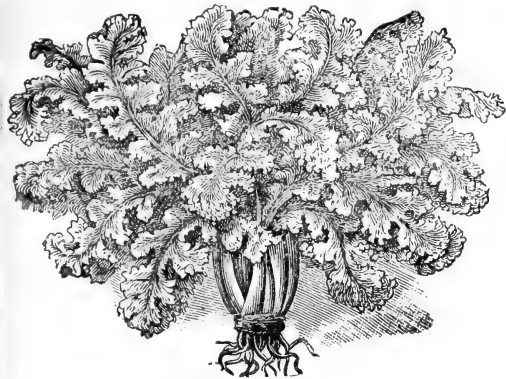
German, *Blatter-Kohl*. French, *Chou Vert*.
Spanish, *Breton*.

The Kales are more hardy than Cabbage, and make excellent greens for Winter and Spring use, and are improved by frost. Sow from May to June, and cultivate the same as Cabbage. For

You don't "TRY OUR SEEDS," we try them, before you get them.

early Spring use, sow in September, and protect during the Winter. One ounce to 100 yards of row.

IMPROVED SIBERIAN KALE. A beautifully curled and crimped sort; of strong, vigorous habit, perfectly hardy, bright green color, and very attractive in appearance. It is superior to all other sorts, and will stand longer without shooting to seed than any other variety. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.



IMPROVED SIBERIAN KALE.

DWARF GREEN CURLED SCOTCH. Rarely exceeding eighteen inches in height, but spreading out under good cultivation to three feet in diameter. The leaves are beautifully curled and of a bright green. It will stand out where the temperature does not fall below zero. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.00.

GERMAN DWARF GREEN, OR GERMAN GREENS. A variety having large moderately frilled leaves covered with a dense bloom. It is popular in the South, where it grows all winter without protection. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

TALL GREEN CURLED SCOTCH. This is very hardy, and improved by a moderate frost. About two feet high, with an abundance of dark green, curled and wrinkled leaves. It stands the winters without any protection. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

KOHLRABI.

French, *Chou Rave.* German, *Glas-Kohlrabi.*
Spanish, *Cal de Nabo.*

Kohlrabi is grown for its turnip-shaped bulb, which is formed above ground by the expansion of the stem. The bulb should be used while young and tender as age detracts from its good quality. Set plants eight inches apart in the row. For later use sow seed in drills and thin to the proper distance apart. When well-grown and properly prepared for the table it is one of the most desirable of vegetables, and should be in every garden.

EARLIEST WHITE ERFURT. An excellent forcing variety; also good for open ground. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

GREEN OR WHITE. Good for table use and stock Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$2.00.

EARLY PURPLE VIENNA. This variety is the most largely grown for table use in Germany and Austria. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.



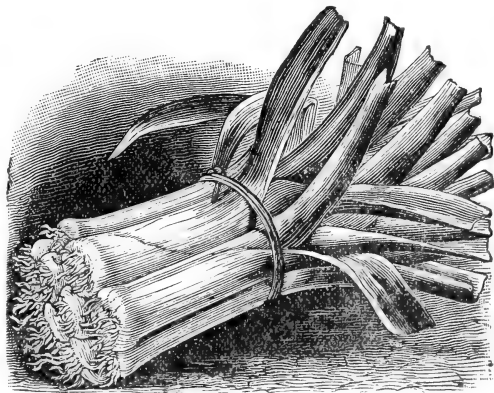
WHITE VIENNA KOHLRABI.

EARLY WHITE VIENNA. The best for table use. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

LEEK.

German, *Lauch.* French, *Poireau.* Spanish, *Puerro.*

Sow very early, in a seed bed in a sheltered place, if possible. When plants are about six inches long, transplant them to trenches six inches deep, with very rich soil at the bottom. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine large leeks, blanched half a foot long, which may be kept all winter if dug up with the roots on and stored in moist sand in the cellar.



LARGE AMERICAN FLAG.

LARGE AMERICAN FLAG. This is by far the best variety. It grows to a good size and is wonderfully uniform. This is preferred by our most critical market gardeners, and we can recommend it to all. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

BROAD SCOTCH OR LONDON FLAG. Hardy. A large, strong plant with broad leaves. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$2.00.

LARGE MUSSELBURG. Of enormous size, leaves large and broad. A very mild, pleasant flavor. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LETTUCE.

German, *Lattich*. French, *Laitue*. Spanish, *Lechuga*.

HEAD, OR CABBAGE VARIETIES.

There is no vegetable which is more universally used than this, and yet few people know how inviting and appetizing it is when brought to the table fresh and unwilted, a condition in which it is rarely, if ever, found in our markets, and which can only be secured by growing the plants in one's own garden. So we earnestly urge all of our readers who can possibly do so, to grow their own lettuce.



DICKMANN'S EARLY WHITE BUTTER LETTUCE.

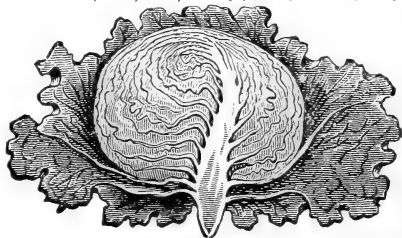
Sow at intervals of from two to three weeks throughout the summer for a continuous crop. In this as in every other garden crop, thorough cultivation is essential.

DICKMANN'S EARLY WHITE BUTTER LETTUCE. This excellent new variety is the result of several years' selection from the White Cabbage Lettuce grown by the best market gardeners around St. Louis. It is the best forcing Lettuce we know of, and very valuable for summer on account of its slowness to shoot to seed. It is also the best variety for sowing in the fall, being entirely hardy and requiring only a slight protection; produces fine, large, white, solid heads, of superb quality, and is remarkably early. St. Louis market gardeners value this Lettuce so highly that they will pay almost any price to obtain the seed. No market gardener can afford to be without this valuable variety. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

BIG BOSTON. This variety is identical in color, shape and general appearance with the famous Boston Market Lettuce, but is 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. A most desirable variety either for forcing in cold frames or open ground planting. The "Big Boston" is sure to be wanted by market gardeners and truckers, because it always produces large, solid, salable heads, and it will commend itself to amateurs because it heads up well at all seasons of the year and is of crisp, tender quality. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Culture. Lettuce should grow rapidly, and to attain this end it should be sown in a rich, thoroughly prepared soil. For early crop sow under glass from November to February and thin out as necessary, to prevent crowding. Keep at a moderate heat, and give all the air and light possible. For early out door culture start plants in the fall, protecting them as needed with frames or coarse cotton, or start under glass from January to March and harden off before setting in the open ground, which should be done as soon as the ground and weather will permit. For general crop sow out doors as early in spring as the ground can be worked, in drills eighteen inches apart and thin the young plants to four inches apart in the row. As the plants begin to crowd, thin out and use as required. In this way a much longer succession of cuttings may be had from the same ground.

HANSON (Seed White). So well known as to hardly need any description. Plant large, forming a large, flat head, resembling that of a cabbage, and so slow to run to seed that it often fails to form any seed stalk. Outer leaves bright green, with prominent, light colored veins, inner leaves white and usually curved and twisted at the base, very tender and sweet. We have seen heads of this variety as large as Early York Cabbage and about as solid, though of course much flatter. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.



GENUINE HARD HEADING HANSON LETTUCE.

SALAMANDER. The best light colored, smooth, thick-leaved head lettuce. Plant light, bright green, many broad, smooth leaves, nearly all gathered into a dense, round head, slow to run to seed. Leaves are very thick, the inner ones blanched to a light yellow, tender and of a rich flavor. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LETTUCE—Continued.

BUTTERCUP (Seed White). Plants medium size, with numerous round, smooth leaves, which are of a beautiful yellow color, and very sweet and tender. They form medium size fairly solid heads, which, when prepared for the table, are exceedingly attractive in appearance. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



ST. LOUIS MARKET.

PHILADELPHIA BUTTER. Many prefer a thick leaved, smooth lettuce, and to meet this demand we present this sort. Plant dark green, with many nearly round, thick leaves formed into a very solid, round head, which stands a long time without running to seed. Leaves very thick, torted or puckered at the base, the inner ones blanched to a rich yellow color, and exceedingly rich and nutty in flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

HUBBARD'S MARKET (Seed White). After the style of Tennis Ball, but grows larger and is later to mature, and the head is a little more open. Popular in some eastern markets. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.50.

DICKMANN'S PRIVATE STOCK. A selected strain; solid, large heads, resisting the sun for a long time before shooting up. Valuable also as an early sort, to be started under glass for early spring transplanting into open ground. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

ST. LOUIS MARKET. Plant large, forming a large loose head; light yellowish-green in color, so that a little wilting is not noticed. Leaves large, thin, slightly ruffled and blistered, the inner ones nicely blanched, and even the large outside leaves are tender and of good quality. By far the most popular variety in markets, and one of the best for general market garden use, as it is attractive, of excellent quality, and continues a long time in condition for use. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

NEW WHITE RUSSIAN SUMMER. This is pre-eminently one of the best sorts to withstand our long, hot Summer. The heads generally have to be cut before any seed-stalk will appear. It is not a forcing variety, but one of the best for open ground crops, both North and South. Of very rapid growth, with few outer leaves; in color it is a light apple green, yellowish-white inside, and forms a very large, solid head, of the finest quality, for market and shipping. All who have planted it are enthusiastic in its praise. This Lettuce is so distinct that a casual observer could readily discover a single head in an acre of any other sort. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$2.75.

YELLOW SEEDED BUTTER. This withstands summer heat well, and remains in head long before running to seed. It is a very distinct sort, making a large, dense yellow head, of a very handsome appearance, very crisp and tender, and excellent in flavor. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 55c.; lb., \$1.80.

EARLY TENNIS BALL (Seed Black). A first-class head lettuce, and one of the best for forcing under glass or early planting out doors. Plants medium size, having thick dark green leaves, and when well grown forming compact, solid heads, which blanch easily and are crisp and tender. Should not be planted in the hot weather of summer, as it then runs up to seed quickly. This is also known as Stone Tennis Ball, on account of its exceedingly solid head. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.60.

HARDY GREEN WINTER. One of the best winter varieties, very hardy and forms a solid head. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

BROWN DUTCH (Seed Brown). An old sort, noted for its hardness. Leaves large, thick, green, tinged with brown. It always forms a large, solid head, which is somewhat coarse looking, but the inner leaves are beautifully blanched, exceedingly sweet, tender and well flavored. Desirable because of its hardness and fine quality. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.85.

LETTUCE—Curled Varieties.

SIMPSON'S EARLY CURLED (Seed White). Similar to the last, but the plant is a little smaller and decidedly darker in color, and the leaves are more frilled and blistered. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

BLACK-SEEDED SIMPSON. It is much lighter colored than preceding; grows nearly double the size, and is of exceptionally fine quality. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.85.

EARLY CURLED SILESIA (Seed White). An early erect growing, loose heading variety, which may be used very young; when young it is exceedingly sweet and well flavored. Color light green, leaves much frilled and savoyed. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

BOSTON CURLED. Of ordinary quality, but great beauty; highly ornamental in growth, with its frilled leaves. Pkt., 5c., oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

GRAND RAPIDS FORCING. This variety developed at Grand Rapids, Mich., and is especially adapted for greenhouse culture in winter. It is the result of fifteen years' selection from the Black-seeded Simpson, which is generally recognized as the standard for forcing. It is rapid, upright growth, and may be planted close; not liable to rot, standing several days after being ready to cut without injury; retains its freshness a long time after being cut, hence much sought after by dealers. The quality is very desirable, and while it is especially adapted to forcing, it is a good Lettuce to sow early for family use. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LETTUCE—Continued.

COS, ROMAINE, or CELERY LETTUCE.

The Cos Lettuces are distinct from the other sorts, in having long, narrow, spoon shaped leaves, which usually fold into loose sugar loaf shaped heads, which blanch better by having the outer leaves drawn about them and tied. They are justly celebrated throughout Europe on account of their exceeding crispness, tenderness and delicate flavor, and are becoming more and more popular in this country as they become better known.

COS, EARLY WHITE SELF-FOLDING. A new and distinct Cos Lettuce which does not need tying up. The leaves are yellowish-white in color, long, narrow, upright, folding into a solid head like that of an Early York Cabbage. This is a truly self-blanching Lettuce; is very crisp and tender and of superior flavor. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

PARIS WHITE COS. This Cos Lettuce differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height, and five or six inches in diameter. The outer coloring of this variety is yellowish green. To be had in perfection it requires to be tied up to insure its blanching. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

TRIANON. This variety is the very finest of its class. The long narrow leaves, which form solid heads, almost like a Wakefield Cabbage, bleach and quickly become snowy white. They excel all other Lettuces in quality, having a taste and crispness unequaled. The leaves when bleached are stiff like Celery stalks and can be eaten in the same manner. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

MARTYNIA.

A strong growing, hardy, annual plant, with curious shaped seed pods, which, when young and tender, are highly prized for pickling. The pods are produced in great abundance, and should be gathered when about half grown; after hardening of the flesh they are worthless. **Culture.**—Sow after settled warm weather in rows three feet apart and thin the plants to two feet in the row.

PROBOSCIDEA. The common variety. Sow in rich, warm soil after corn is well up, in drills three feet apart, and thin the plants out to two feet in the row. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 85c.

MUSTARD.

French, *Moutard.* German, *Cenf.* Spanish, *Mostaza.*

Mustard is not only used as a condiment, but the green leaves are used as a salad, or cut and boiled like spinach. **Culture**—Should be the same as that of Cress.

GIANT CURLED. This mustard is very highly esteemed in the South, where the seed is sown in the fall, and the plants used very early in the spring as a salad. Our stock is the true curled leaf. The seed is brown and produces plants which often grow two feet high and of greater breadth, forming enormous bunches. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

WHITE ENGLISH. The leaves are light green, mild and tender when young; seed light yellow. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

CHINESE CURLED. Leaves twice the size of the white stems more succulent, of deeper green flavor pleasantly, sweet and pungent. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

MUSHROOM.

Agaricus campestris.

The Mushroom is an edible fungus, of a white color, changing to brown when old. The gills are loose, of a pinkish-red, changing to liver color. It produces no seed, but instead a white, fibrous substance in broken threads, called spawn, which is preserved in horse manure, being pressed in the form of bricks. Thus prepared it will retain its vitality for years.

Culture. Mushrooms can be grown in a cellar, in sheds, or in hot-beds in open air, on shelves, or out-of-the-way places. Fermenting horse manure at a temperature of about 70 degrees, mixed with an equal weight of fresh sod loam, is made into beds the size required, eight inches deep. See to it that the bed is packed very solidly and evenly. In this bed plant the broken pieces of spawn. Bricks, 20c. each, post-paid. French spawn, per pound, 50c.

Please take this Catalogue with you when you go by a Neighbor's next time. Show it to him, and ask him to Club with you in sending your Order.

BEWARE! KENTUCKY BLUE GRASS vs. CANADA THISTLE—Excerpts from Eastern Publications: Some unscrupulous dealers in seeds are putting the Canada seed on the markets and branding same as Kentucky grown because they can buy it for twenty to thirty-five cents cheaper than Kentucky grown could be furnished, thereby making a larger profit and filling the honest farmer's lands with an obnoxious Canada thistle. Soon the West will wake up and begin to howl about this cursed weed and Kentucky will get some of the blame for having sent it through her seed. Can't our Government do something to stop the importation of this Canada seed, or enact a law making it a felony to mix or brand this seed as Kentucky grown?"

WE WARRANT OUR KENTUCKY BLUE GRASS SEED TRUE TO NAME.

That Order Sheet and Envelope are waiting to be used. Lead pencil is just as good as pen and ink to write it up.

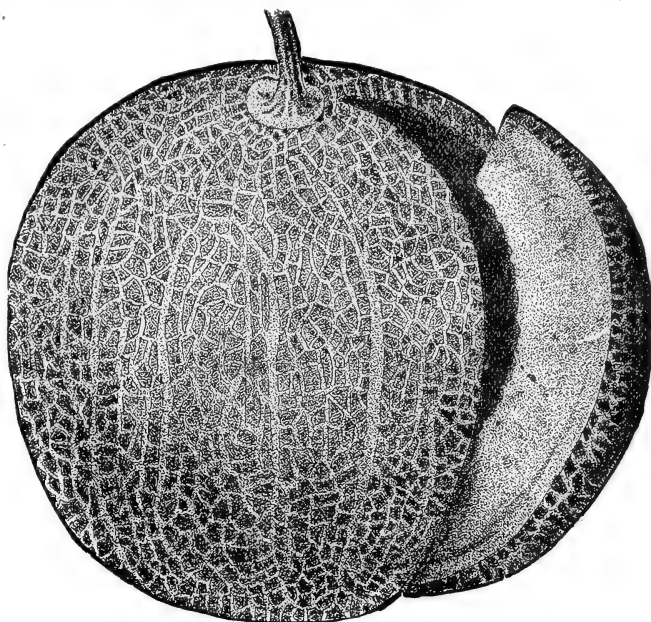
MUSK MELON.

French, *Canteloupe-Melon*. German, *Zuckermelone*. Spanish, *Melon Muscatel*.

Culture.—Select a light, sandy, rich soil, and after all danger of frosts is over and the ground has become warm and dry, plant in hills four to six feet apart each way, six to twelve seeds to the hill. When up, and all danger of insects has passed, pull out all but three plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Ashes, lime, or even dry road-dust, is excellent to sift over the young plants when the dew is on, to prevent the attacks of insects. A few hills for early use may be had by sowing in hot-beds on pieces of sod or in pots. The seed may also be started out of doors under hand-frames or glasses. It is quite important that proper soil be selected for growing Musk Melons, as on heavy soil the quality will be poor.

THE DICKMANN'S BEST MUSK MELON.

First named and introduced by me in 1886. All unprejudiced seedsmen, market gardeners, and all lovers of fine melons who have tested it, freely admit that it is unequaled in rich, delicious flavor. The flesh, which is thicker than any other melon of the same size, is of a beautiful suffused salmon color, and ripens thoroughly to an extremely thin rind. The flesh is extremely crystalline in appearance, and the flavor is sweet and luscious beyond description. The vines are hardy and thrifty in growth, very prolific, bearing the melons near the root; the melons mature extremely early, and are uniformly of the most superb quality. Many pages of catalogue could be filled with reports, testimonials and other words of praise for this magnificent variety, but it is unnecessary, as everyone can convince themselves at trifling cost of the surpassing fine qualities of this gem among melons. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.



DICKMANN'S BEST MUSK MELON.

THE BANQUET. A new medium sized Melon of perfectly round shape, with skin densely netted over its entire surface, making it in appearance one of the handsomest melons ever seen. The flesh is a dark, rich salmon color, uniformly thick and of a granulated character, which always indicates a good melon. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

OSAGE, OR IMPROVED MILLER'S CREAM.

This melon has made its way into public favor from the market rather than the garden, and seems to be just what the people want. It is medium size, oval, slightly ribbed, dark green in color, covered more or less with shallow netting. The flesh is deep salmon, and is good to within a fourth of an inch of the rind, and is thicker than any other sort. Very sweet and good flavored. A favorite variety in some markets. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

NEW EARLY HACKENSACK. By careful selection and improvement, this strain has been so developed that it produces melons with all the good qualities of the well-known Hackensack Melon, but some claim at least two weeks earlier. The melons weigh from four to six pounds each, and are of the nutmeg shape, heavily netted, and have light green flesh of delicious flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb. 75c.

HACKENSACK. Is largely grown for market by the gardeners in this vicinity. It attains a large size, is round in shape and flattened at the ends, skin green and thickly netted. The flesh also is green, and rich and sugary in flavor. It is wonderfully productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

IMPROVED CANTELOUPE. An early, large round market sort, sweet and of good flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

EARLY WHITE JAPAN. An old variety, but of very fine quality. Fruit oval, white, green flesh. One of the best for the home garden. Very early. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

BALTIMORE OR ACME. Fruit medium size, oval, slightly pointed at stem end, slightly ribbed, covered when ripe with coarse netting. Flesh thick, green, very fine flavored and sweet. We think this one of the most uniformly good melons we have on our list. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

MONTREAL. Our stock of this variety, unlike most offered, is of distinct and uniform type. Fruit of the largest size often measuring twelve to fourteen inches in diameter; spherical, or slightly oval in shape, with regular, shallow ribs; and sparsely covered with netting; flesh firm, light green, sweet and of excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MUSK MELON—Continued.

IMPROVED LARGE GREEN NUTMEG. Vines vigorous, hardy, productive; fruit very large, round, slightly flattened at both ends, ribbed, covered with coarse netting; flesh very thick, and of the highest flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

PERFECTED DELMONICO. This improved type is almost a perfect globe in shape; the skin is a peculiar grayish green until ripe, when it changes to a bright yellow. The ribs of this Melon are wide and covered thickly with a prominent netting. The melons average about six inches in diameter, have a very small seed cavity, and are exceedingly thick and heavy for their size. The flesh is a deep, rich orange yellow color, and is of very fine grain, without the slightest stringiness. This variety produces melons of uniformly high quality and is likely to displace all other red or yellow fleshed sorts. It is a strong hardy grower and very prolific. We can recommend it either to the market gardener or amateur. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

THE PRINCESS. A distinct Melon and one of the best both for market and the home garden. They are nearly round, skin dark green, thickly mottled; flesh salmon, weigh about ten pounds. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

EXTRA EARLY CITRON. A small round melon valuable on account of its extreme earliness and great productiveness. The skin is green, becoming yellowish at maturity. The flesh light green, sweet and of fair quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

SMALL GREEN NUTMEG. Fruit of medium size, slightly ribbed, globular. Skin dark green, becoming yellow when over ripe, and nearly covered with broad shallow netting. Flesh thick, a little coarse, but of fine flavor. This variety is in universal demand for both home and market use. It is the size so much sought after at present by hotels and restaurants. Our stock is carefully grown and selected, and will be found first class in every particular. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

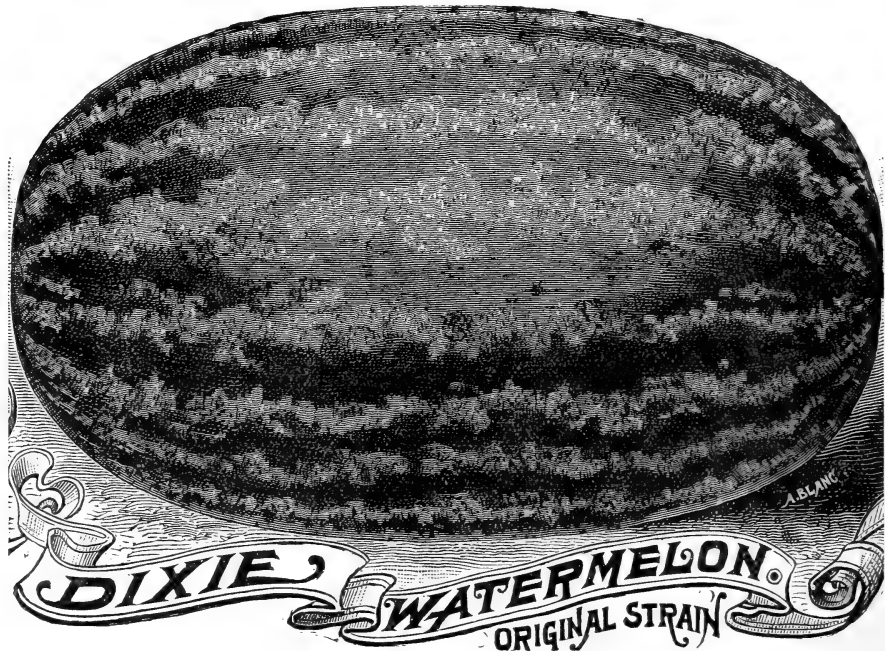
NETTED GEM. This has become one of the most popular of small or basket melons. The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick green, very sweet and highly flavored. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

There are customers on our list who have dealt with us for the past sixteen years and have never, as yet, had any occasion to find fault with our seed.

WATER MELON

German, *Wasser-Melone*. French, *Melon d'Eau*. Spanish, *Sandia*.

Watermelons require a rich though rather sandy soil for best development, and thrive best in warm latitudes, growing best in the Southern or Southwestern States, although in warm, sandy soils in this latitude fine crops are obtained. Cultivate exactly as for Musk Melons, except that the hills should be just double the distance apart, namely, eight and ten feet.



WATER MELON—Continued.

THE DIXIE. A new watermelon of excellent merits and recommended as the best shipping melon grown, being larger, earlier, and more productive than the Kolb's Gem, which has heretofore been considered the best melon for shipping. It is of very fine appearance, a darker green than Kolb's, more beautifully striped. Longer and extremely hardy; its eating quality is unexcelled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

KOLB'S GEM. It has a very tough rind and carries in good condition without breakage. They grow uniformly round, of nearly equal diameter each way. The stripes of light green are generally narrow and of a dull color. The flesh is bright red; the melons grow to fair market size, from thirty to fifty pounds each. The leading market melon here and in the South, whence many thousand carloads are annually shipped to the Northern markets. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

PEERLESS, OR ICE CREAM. Of medium size, skin light mottled green; flesh, bright scarlet, solid, crisp, melting and exceedingly sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MOUNTAIN SWEET. Early, solid, sweet and delicious; skin green; an old variety, but a genuine favorite for home and market gardens. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

IMPROVED IRONCLAD. Excellent, of large size and weight, averaging nearly fifty pounds each. The flesh is deep red and of a delicious rich flavor. Unsurpassed for shipping. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

DARK ICING, OR ICE RIND. It is a very solid sort, with a thin rind, and possesses a most delicious flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

PRIDE OF GEORGIA. It is dark green in color, almost oval in shape. It is an excellent shipping variety, of large size. Flesh crisp and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

RATTLESNAKE, OR GYPSY. Fruit large, oblong, striped, flesh red. An excellent variety for market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

FLORIDA FAVORITE. Oblong in shape, growing to very large size, rind dark, with light green stripes, flesh light crimson, crisp and deliciously sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

SCALY BARK. This variety originated in Georgia. The skin is dark green, quite smooth, and has a peculiar scaly appearance. It is unusually productive—the average weight being forty to fifty pounds. The flesh is light crimson, solid, tender and exquisite flavor. The rind, though thin, is remarkably tough. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

BLACK SPANISH. Fruit medium size, almost round; skin, dark green; flesh, red, sweet and delicious. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

SEMINOLE. It is extra early, enormously productive, extra large, and of delicious flavor. It is of two distinct colors, gray and light green. The gray color predominates; both colors are found on the same vine. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MAMMOTH IRONCLAD. The largest known melon, with solid, sweet, juicy heart. May be picked up from May 15 to October 1, and keeps fully a month thereafter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

THE BOSS. Oblong in shape, and of nearly the same diameter throughout, skin very dark green; flesh, deep scarlet, and of unusually rich flavor. Early, heavy, productive, and a good shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

CITRON. Fruit sound, handsome and small; used in making preserves only. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

NASTURTIUM, OR INDIAN CRESS.

TALL MIXED. Useful and ornamental; flowers of various colors. The green seed-pods are pickled in vinegar. The flowers are used for garnishing. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

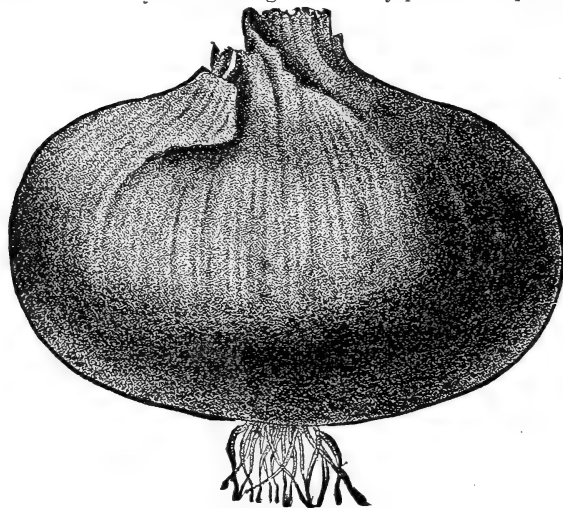
REMEMBER.—On all Orders for Seeds in Packets (whether Vegetable, Farm or Flower Seeds), the purchaser may select twenty-five cents' worth extra for each **One Dollar sent us.** Thus any one sending us **\$1.00,** can select seeds in packets amounting to **\$1.25;** for **\$2.00,** seeds in packets to the value of **\$2.50;** for **\$3.00,** to the value of **\$3.75,** and so on. This discount applies **only** to seeds in packets, *purchaser's selection,* and does not apply to seeds by weight or measure.

We cannot, of course, guarantee a good crop in every case, as this is dependent upon natural causes, which are beyond human control. But we do guarantee that all Seeds sold by us are **FIRST-CLASS,** and of strong germinating power, in so far that should any prove otherwise we will refill the order free or refund the price paid us. Further than this we cannot warrant, but this is a satisfaction given by but few seedsmen and must convince even those who have never dealt with us of the extreme care we exercise in selecting our seeds. They not only grow, but they grow "what is worth growing."

You will find that your cows will keep in better condition if fed carrots. This applies to horses also. Carrot is one of the cheapest and best foods grown.

DICKMANN'S RELIABLE ONION SEED.

Culture—Sow in rich, sandy soil, in drills one foot apart, as soon as the ground can be worked in spring, Thin to three or four inches, using the rake and hoe frequently to keep down the weeds. For a more detailed description as to culture, see the book, Onions for Profit, price 50c. Onion growers should have this book. No one can appreciate the value of reliable seeds better than those who have been once disappointed. Too much care cannot be exercised in selecting your supply of onion seed. There is no vegetable in which the quality of the seed exerts a greater influence upon the crop. Fully realizing this, I have for some years made a specialty of Onion Seed, and have all my crops raised under special contract subject to careful supervision. In vitality it is very strong, being carefully tested. The rapid increase in my Onion Seed trade among market gardeners and large growers of onions, many of whom order from twenty-five pounds to one hundred pounds is the best evidence that my Onion Seed is unexcelled in quality. If you use large quantities of Onion Seed it will pay you to write me for special prices, stating the amount required. My prices will be as low as Good Onion Seed can be sold for. I am not in the market to compete with old and worthless seed, but I am ready and willing to have my prices compared with those of any reliable Seed House.



RED WETHERSFIELD ONION.

LARGE RED GLOBE. This is a very handsome variety, and is deserving of general cultivation. It matures quite early (none of the perfectly globe-shaped onions are as early as the flat varieties), grows to a large size; skin deep red; flesh fine-grained, mild, and tender. Pkt., 5c.; oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.15 post-paid. By express, \$2.00 per lb.; special prices for large quantities.

YELLOW GLOBE DANVERS. The onions from which our seed is raised are selected on the following points: Earliness of maturity, extra large size, even and handsome form, thin neck and best keeping qualities. It is the best yielder and has given universal satisfaction. This strain of Globe Danvers is equal to the best standard onions of its kind in the country. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 55c.; lb., \$2.00.

YELLOW STRASBURG OR DUTCH. One of the oldest varieties; bulbs quite flat, of good size; skin yellow, of darker color than the Danvers; flesh white; of mild flavor; keeps well. This is the variety that formerly was used very extensively for growing Yellow Onion sets, and, while still good for that purpose, it has, of late years, been largely superseded by the Yellow Danvers. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75, post-paid.

LARGE RED WETHERSFIELD. The most popular of all red onions, of large size and fine form, skin deep purplish-red; flesh purplish-white; moderately fine-grained and stronger in flavor than the yellow or white onions. Very productive and an excellent keeper. Immense crops of this onion are grown for shipment, and it certainly is one of the very best sorts for market. If planted in unsuitable soil this variety is more inclined to form large necks than the Yellow Danvers; but it is the best in poor, dry soil. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.40, post paid.

EXTRA EARLY RED. This variety matures very early. It yields abundantly and is of mild flavor; of medium size, deep-red in color, very close-grained, solid and heavy. This will often form bulbs in cold and mucky soils where other varieties fail. It is highly recommended, particularly for the North and Northwest, as even there it will produce full-sized onions from the black seed. Pkt., 5c.; oz., 20c.; 2 ozs., 35c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.40, post-paid.

EARLY RED GLOBE. Very early and grows to a good size; is very prolific and keeps well; skin deep red, form good and flavor mild. (Do not confound this with Large Red Globe.) Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25, post-paid.

WHITE GLOBE ONION. A large globe-shaped onion; firm, fine-grained, of mild flavor; keeps well. This is one of the handsomest onions grown, of beautiful shape, clear, white skin, and commands the highest market price. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00, post-paid by mail.

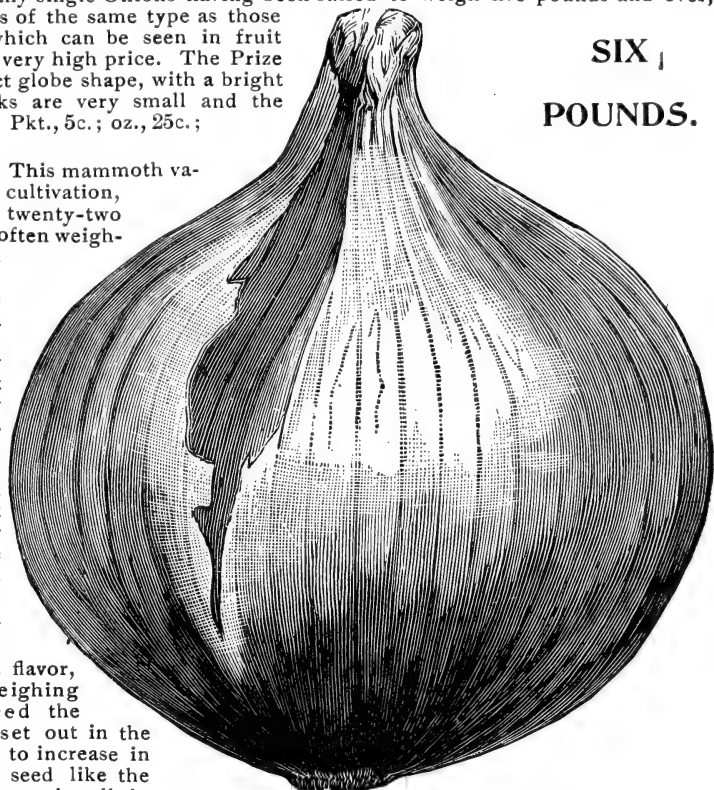
YELLOW DANVERS ONION. Our superior stock of this celebrated variety is of fine shape; grows to good size, with thin yellow skin, white flesh, fine grained; mild flavor and excellent quality. It ripens early, frequently producing from six to eight hundred bushels to the acre; keeps well and is considered a splendid sort. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

WHITE SILVERSKIN, or WHITE PORTUGAL. Very desirable for family use; flavor mild and pleasant; skin silvery white; of handsome appearance; highly esteemed for pickling when young, also for market in early winter. This is the variety of which White Onion Sets are grown. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.25.

Above prices include postage.

— ONION — Continued. —

SIX
POUNDS.



THE GENUINE PRIZETAKER.

PRIZETAKER, the Genuine. The handsomest, largest yellow Globe Onion. A new variety introduced but a few years ago which has proved to be an excellent keeper, of finest flavor, handsome shape and enormous size, many single Onions having been raised to weigh five pounds and over, from seed the first year. It is of the same type as those immense imported Onions which can be seen in fruit stores and always command a very high price. The Prize taker grows always to a perfect globe shape, with a bright straw colored skin, the necks are very small and the onions always ripen up hard. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., \$2.50.

MAMMOTH SILVER KING. This mammoth variety is one of the largest in cultivation, averaging from fifteen to twenty-two inches in circumference, and often weighing from $2\frac{1}{2}$ to 4 lbs. each. It matures early and is of uniformly large size and fine shape, being flattened, but thick. The skin is of a beautiful silver-white, flesh snowy and tender, of mild, sweet flavor. We know of no variety of this vegetable which has attracted so much attention as this. Its striking size and handsome appearance, as well as mild flavor, recommend it for exhibition at the fairs, for fancy market as well as the home table. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., \$2.75.

ITALIAN ONIONS are every popular, owing to their quick growth, large size and mild flavor, many sorts making onions weighing two to four pounds from seed the first year. The smallest, if set out in the second season, will continue to increase in size, instead of running to seed like the American Onions. They succeed well in every section of the country.

EARLY ROUND WHITE HARD DUTCH. This is uniformly early, small, round and handsome, with an opaque white skin, which does not turn green upon exposure to the sun. They are very compact and hard, but at the same time crisp and brittle, making them the best pickling Onion. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

EL PASO, or LARGE MEXICAN. Grows in Mexico to a diameter of six inches, and to a weight of two or three pounds, and used in that region in preference to any other sort. Color variable from white to light red; flesh white. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

EXTRA EARLY WHITE PEARL. This remarkable Onion is the earliest and the best of all the varieties. It grows to an enormous size and shape, of pearly white color, the outer skin having a waxy appearance, flesh of pure white, and flavor so mild that it can be eaten like an apple. It grows with wonderful rapidity, reaching a fine, large size the first season from seed. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$2.75.

NEAPOLITAN MAGGIAJOLA. A large, beautiful, silvery-white-skinned variety, of handsome, flat shape, of fine flavor and quality. In May and June this Onion has almost a monopoly of the markets in Italian towns. Pkt., 5c.; oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

WHITE ADRIATIC BARLETTA. This variety is most distinct on account of its great earliness. It is from two to three weeks earlier than the White Queen. It is of a beautiful waxy white color and grows one and a quarter inches in diameter and three-quarters of an inch thick, with finely formed bulbs, slightly flattened at the top. Its earliness will highly recommend its use as a substitute for Onion sets, and it is without a rival for pickles. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb. 60c.; lb., \$2.25.

WHITE QUEEN. The bulbs are small, flat, pure white, and of excellent flavor. Sown in February, they will produce Onions one or two inches in diameter early in summer. Sown in July they will be ready in Autumn. Excellent for pickling. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

That Order Sheet and Envelope are waiting to be used. Lead pencil is just as good as pen and ink to write it up.

ONION—Continued.

GIANT WHITE TRIPOLI. Of large size and most beautiful form with fine white skin. The first season from the black seed it will grow an Onion from one to one and a half pounds, but to attain the full size, the bulbs should be set out the following Spring. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

RED MAMMOTH TRIPOLI, or BERMUDA RED. Similar in shape and size to the Giant White Tripoli. Skin thin and of a rich blood-red color; flesh white, fine-grained. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

GIANT RED ROCCA. These Onions are of large size, handsome appearance, and mild, delicate flavor, of beautiful round form, the outer skin bright red, while the flesh is white, mild and pleasant. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

GIANT WHITE ROCCA. This splendid Italian Onion is one of the handsomest varieties in cultivation. It cannot fail to sell readily on market, in competition with the finest Onions imported from Spain and Italy, that command such high prices. It is a very distinct variety, globular in shape, with a beautiful silvery skin; flesh pure white. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

MAMMOTH POMPEII, or COPPER KING. Grows to an enormous size; skin of a dark red color, flesh white and unusually mild in flavor. Fine exhibition and market variety. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

GIANT YELLOW ROCCA, or SPANISH KING. Of all the magnificent Italian Onions now in cultivation, none are more popular than the Giant Rocca. This variety is of the same fine quality, and grows equally as large as the Red Rocca, which it resembles in every respect, except that the skin is of a beautiful bright yellow color. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

TRUE BERMUDA ONION SEED. Our sales of this valuable early variety, the true stock of which is often difficult to obtain, have been increasing rapidly each year. These Onions grow to an immense size and are of beautiful form. The skin is very thin; flesh white, fine grained, of mild and pleasant flavor. It will grow an Onion from one to one and a half pounds from seed, but to attain the full size the bulbs should be set out the following Spring. White or Red. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.

SHALLOT SEED. Imported French. Pkt., 5c.; oz., 60c.; $\frac{1}{4}$ lb., \$2.00.

ONION SETS.

Parties ordering will please state particularly if they want Top Onions or Bottom Sets. To keep them in good condition, they must be spread out thinly in a cool and dry place as soon as received. We pack them to be carried with safety, but it must be distinctly understood that we are not responsible for any damage that they may sustain in transit. *Write for special prices.*

YELLOW BOTTOM SETS.....	per quart, 25c
WHITE BOTTOM SETS.....	“ 25c
RED TOP, or BUTTON ONIONS.	“ 25c
POTATO ONION SETS.....	“ 25c
GARLIC.....	“
NEW WHITE MULTIPLIER.....	“ 25c
WHITE TOP, or BOTTOM.....	“ 25c

Boxes, crates and barrels charged at cost price.

OKRA, or GOMBO.

French, *Gombo*. German, *Esbarer*. Spanish, *Hibiscus*.

This is an annual cultivated for its green seed pods, which are used in soups or stewed and served like asparagus. It is highly esteemed in the South for making gumbo soup. The pods when young and tender should be sliced in sections and strung on a thread and hung up in the shade to cure like dried apples; in this condition they can be used for soup at any time.

Culture. Sow the seed thinly in dry, warm soil, in shallow drills two feet apart. After the plants are up, thin them out to nine inches apart; hoe frequently and draw a little earth to the stems as they continue to grow.

DWARF. Early and prolific. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.



OKRA—WHITE VELVET.

WHITE VELVET. Produces pods larger than any other. They are never prickly to the touch, and always round and smooth, while in other varieties they are either ridged or square-edged. The pods used for food are the large pods. They are very wholesome, quite nutritious; and impart an agreeable richness to soups and stews. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

TAIL. Five to six feet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

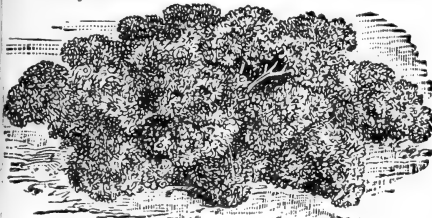
GOOD Seeds is the most important item to a gardener or farmer. From them the product that brings their profits are produced. Buy our Seeds and increase your profits.

We take as much pains with a five cent order as we do with larger ones. Try us and see if we don't.

PARSLEY.

French, *Persil*. German, *Petersilie*. Spanish, *Perigil*.

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



DWARF, EXTRA CURLED, PARSLEY.

TRIPLE CURLED, or MYATT'S GARNISHING. A fine free growing, but not large variety. The plants bear a great number of leaves, which are so abundant and so finely curled that they resemble a bunch of moss. The leaves are bright pale green, and exceedingly handsome. Greatly prized for garnishing and table decoration. One of the best variety for market or private gardens. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

PLAIN. Leaves plain or flat and very dark colored. It is often preferred on this account and because of its hardiness. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Culture.—It requires rich, mellow soil. The seed is even slower than parsnip in germinating and should be sown as early as possible in the spring, in drills one foot apart, and when the plants are well up thin to one foot in the row. When the leaves become old and dull they may be cut off and the plant will start a new growth which will be brighter and better curled. The fern leaved and moss curled varieties make beautiful border plants.

TURNIP ROOTED, or HAMBURG. The root, which resembles a small parsnip, is the edible portion of this variety, which is extensively grown and used for flavoring soups, etc. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

FERN LEAVED. The leaves are finely cut and give the plants a feathery, fern-like appearance. Makes a handsome border plant. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

CHAMPION MOSS CURLED. A compact growing, finely cut and much curled variety, of a bright green color. Owing to its fine color and density of foliage it is much sought after. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

You should try Dickmann's Giant Summer Cabbage for an early crop. It will be sure to pay you. See page 19.

PARSNIP.

German, *Pastinake*. French, *Panais*. Spanish, *Pastinaca*.

Sow as early in spring as the weather will admit, in drills fifteen inches apart, covering half an inch deep. When well up, thin out to five or six inches apart in the rows. Unlike Carrots, they are improved by frost, and it is usual to take up in fall a certain quantity for winter use, leaving the rest in the ground till spring, to be dug as required. One ounce per 200 feet of drill, five to six pounds in drills for an acre.

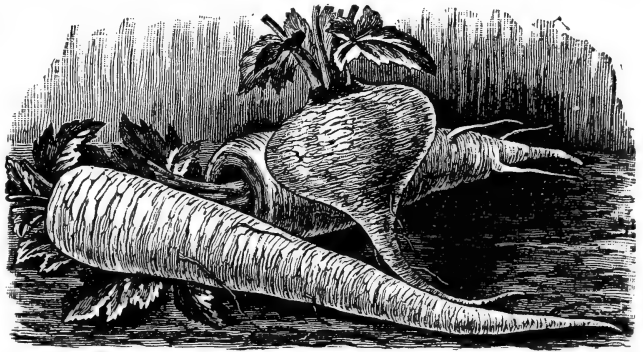
MAGNUM BONUM. A wonderfully fine variety recently introduced from England. The flavor is delicious and the flesh tender and sugary. Don't fail to try it this season if you love good parsnips. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

LARGE WHITE SUGAR. A splendid sort, excellent flavor, tender and sweet. One of the best varieties. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

STUDENT. A half long variety of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

HOLLOW CROWN. Roots oblong, ending somewhat abruptly, with a small tap root, grows mostly below the surface, has a very smooth, clean skin, and is easily distinguished by the leaves arising from a cavity on the top or crown of the root. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

NEW MALTESE. Long, smooth and white; fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.



PARSNIPS.

MARKET GARDENERS who buy seeds in large quantities are requested to write for **WHOLESALE PRICES.** While the prices quoted in this Catalogue are very reasonable, yet frequently we have orders for large quantities of certain seeds (such as Onion, Cabbage, Carrot, Cucumber, Melon, Radish, Turnip, etc.), and the purchaser naturally expects to buy at a price lower than that charged for a single pound.



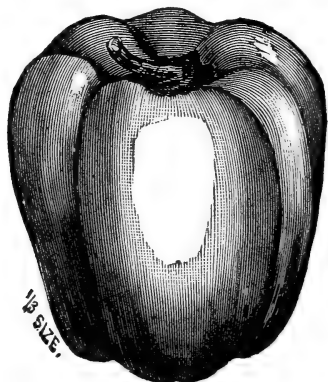
PEPPER.



German, *Pfeffer*. French, *Piment*. Spanish, *Pimiento*.

Grown largely for pickles. Sow in hot-bed when the weather is favorable. They should be eighteen inches apart. They may also be sown in the open ground when the danger of frost is past.

GOLDEN UPRIGHT. Produces the fruit upright on the stems. The fruits are large and fully double the size of Golden Dawn, and of a beautiful rich golden yellow, tinged with blush red where exposed to the sun. The peppers are mild, and as pleasant to the taste as Ruby King. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.



IMPROVED SWEET MOUNTAIN.

IMPROVED SWEET MOUNTAIN. A strong grower, very productive and of excellent quality. The peppers when young are of a bright deep green color, without any shade of purple; when ripe they are of a beautiful red, the flesh is very thick, sweet and mild. They often grow six inches long by four inches in diameter. Our strain of this has been selected with the greatest care, and we know no better seed can be had. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.

LONG RED CAYENNE. The variety of commerce. Pods small, cone-shaped, scarlet red when ripe. Quite a late variety, the pods are as frequently used for pickling green as when ripe. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

CHILI. Very small and prolific, generally used for making pepper sauce. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

RUBY KING. An exceedingly large and handsome Pepper of mild flavor, the fruits are of a bright ruby red, from four and one-half to six inches long, by nine to twelve inches in circumference. It can be sliced for salad or eaten with salt and vinegar like tomatoes and cucumbers. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00, lb., \$3.50.

CELESTIAL. The plant begins to set its fruits early in the season and continues until frost, branching freely and bearing profusely. The peppers, when young, are delicate creamy yellow, and ripen to a vivid scarlet, making a plant, when loaded with fruit part of one color and part of the other, an object of the most striking beauty and oddity. They are from two to three inches long and of clear sharp flavor. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., \$1.00.

CHERRY RED. Fruit round, of a rich scarlet color. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

LARGE BELL, OR BULL NOSE. An early variety of mild flavor, a favorite for pickling and for use in the natural state. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

GOLDEN DAWN. Of same shape and size as the Large Bell, but of more delicate flavor; color, yellow. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.



PEAS.



German, *Erbse*. French, *Pois*. Spanish, *Guizante*.

Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow all the varieties quite early, and depend for succession upon the different times of ripening of the various sorts, or from the first sowing, sow every two weeks until June for a succession. After that there is danger of mildew. Discontinue then until August, when a planting of extra early or early sort will often produce a good crop. Sow the seed in single drills, three feet apart for dwarf sorts, and four for tall sorts, or in double drills six or eight inches apart, one inch apart in the drill, and not less than four inches deep, or for the late sorts seven to eight inches deep, since deep planting prevents mildew and prolongs the season. Cultivate well and draw the earth twice to the vines during growth. Stake the tall varieties when they begin to vine. Pick the pods as soon as fit, and allow none to ripen on the vines, as they will then cease bearing. One quart of the small seeded sorts will sow 175 feet of drill. One quart of the large seeded sorts will sow 120 feet of drill.

EXTRA EARLY VARIETIES.

EARLY MAY. An old but popular family variety; seed white; height, two and one-half feet. Pkt., 5c.; pt., 15c.; qt., 30c.

McLEAN'S BLUE PETER. (Blue Tom Thumb.) One of the earliest and hardest of the Tom Thumb varieties; dark green pods, large peas of excellent quality; a capital bearer; height, nine inches. Pkt., 5c.; Pt., 25c.; qt., 45c.; pk., \$1.50.

TOM THUMB. Very dwarf, not exceeding ten inches in the richest soil, productive, of excellent quality. Pkt., 5c.; pt., 25c.; qt., 45c.; pk., \$1.50.

PHILADELPHIA EXTRA EARLY. (Carter's First Crop, or Early Kent.) An excellent variety, combining earliness and productiveness; height, two and one-half feet. Pkt., 5c.; Pt., 25c.; qt., 40c.; pk., \$1.10; bushel, \$4.00.

PEAS—Extra Early Varieties—Continued.

Those marked with a "★" are Wrinkled Varieties.

DICKMANN'S EXTRA EARLY MARKET.

The best extra early Pea ever offered. This variety is unequalled for excellence, yield, size of pod and regularity of growth. Height, two feet, or fully six inches dwarfed than the First and Best, or Philadelphia Extra Early, and produces pods of good size, which are well filled with round, smooth peas of splendid flavor. It is a prodigious bearer, ripens up so evenly as not to require more than two pickings to clear off the crop, and in this last feature and in its extreme earliness consists its great value to market gardeners and truckers. At the same time we know of no other variety that is more popular in private gardens. Pkt., 5c.; $\frac{1}{2}$ pt., 10c.; pt., 15c.; qt., 25c.; pk., \$1.25; bushel, \$4.50.

RURAL NEW YORKER.

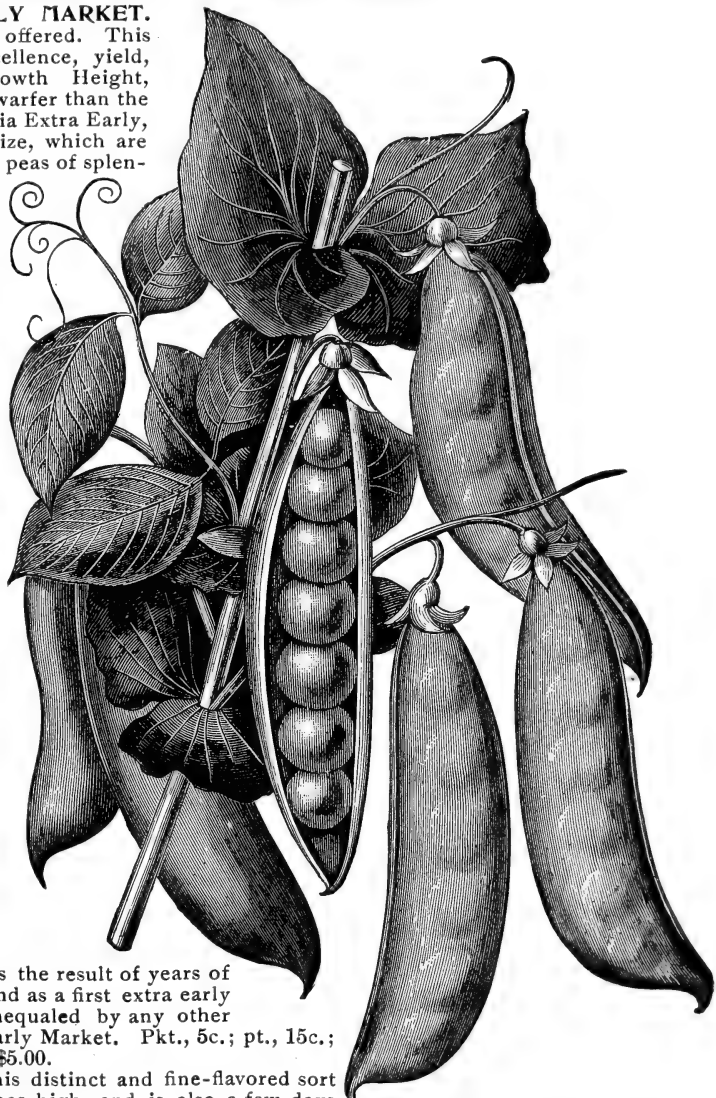
In height, two and one-half feet, seed white, slightly dented, of vigorous habit, vine sending out two or more lateral branches. The earliest pea now known to the trade in this country except Dickmann's Extra Early Market and the Alaska. Pods of fine shape, larger and better filled than any other extra early, containing from six to nine peas of fine quality. Not only the most hardy, but, owing to its branching habits, one of the most prolific extra earlies in cultivation and producing a greater number of peas to the acre than any other variety. It is also most uniform in growth and ripening, eighty-five per cent can be taken at the first picking. This pea is the result of years of the most careful selection, and as a first extra early for market gardeners it is unequalled by any other save the Dickmann's Extra Early Market. Pkt., 5c.; pt., 15c.; qt., 25c.; pk., \$1.50; bushel, \$5.00.

★**AMERICAN WONDER.** This distinct and fine-flavored sort grows only eight to ten inches high, and is also a few days earlier than any other wrinkled pea. Peas planted June 5th were ready for table in 49 days. Pkt., 5c.; pt., 25c.; qt., 45c.

★**EXTRA EARLY PREMIUM GEM.** A very fine dwarf pea, of the Little Gem type, on which it is an improvement; larger pods and more productive. Highly recommended. Taken all-in-all, this is the best and most profitable early wrinkled pea for market gardeners, while for family gardens there is none better. Pkt., 10c.; pt., 25c.; qt., 40c.; post-paid.

★**LAXTON'S ALPHA.** The earliest blue wrinkled marrow; prolific, of fine flavor; pods large; height, two and one-half feet. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.25.

★**DAN'L O'ROURKE.** An old early sort, pods well filled with peas of good size and quality, height, two and one-half feet. Pkt., 5c.; pt., 15c.; qt., 25c.



DICKMANN'S EXTRA EARLY MARKET.

★**ALASKA.** The earliest blue pea, very uniform in growth. 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 extra early pea for market gardeners; height, two feet. Pkt., 5c.; pt., 25c.; qt., 45c.; pk., \$1.25; bushel, \$4.50.

★**LITTLE GEM.** Truly a gem! Unsurpassed, productive, wrinkled, and of delicious flavor. This variety matures in fifty-four days; grows twelve to fourteen inches high; no sticks required. Pkt., 5c.; pt., 20c.; qt., 35c.

PRICES GIVEN INCLUDE POSTAGE

PEAS—Continued.

SECOND EARLY AND LATE VARIETIES.

Those marked with a "★" are Wrinkled Varieties.

★**DICKMANN'S SECOND EARLY MARKET GARDEN PEAS.** This valuable variety is the best and most productive Second Early Pea on the market. Its fine medium-sized, well-filled pods are ready for picking about a week after our Extra Early. The Peas are larger and more wrinkled when dry, while in delicious flavor they are quite unsurpassed. It is also a prodigious bearer, having averaged seventy pods to the vine with ordinary field culture, and will produce more pods to the acre than any other Pea in cultivation. The vines grow very uniformly to a height of two feet and ripen up so evenly that the whole crop can be cleared off in two pickings. Pkt., 5c.; pt., 20c.; qt., 35c.; gal., 75c.; pk., \$1.50.



HORSFORD'S MARKET GARDEN PEA.

★**NEW PEA HEROINE.** It is a medium early green wrinkled Pea and grows uniformly two to two and a half feet high, coming in between Advancer and Champion of England, and bears a profusion of large, long, slightly curved, pointed pods, containing from nine to ten large Peas of finest quality. This new Pea is destined to eclipse Stratagem and Pride of the Market for market purposes, and being nearly as early as the Advancer, will also be more desirable than that well-known variety. In field culture we have known it to ripen and yield double the quantity of Peas that the ordinary varieties do, and hence is an immense cropper. Like many of our most valuable Peas, it is a variety of English origin. All these varieties produce Peas of finest quality, but Heroine excels them all. Pkt., 5c.; pt., 20c.; qt., 35c.; gal., 75c.

★**ABUNDANCE.** Plants half dwarf, fifteen to eighteen inches high, pods large size, containing six to eight wrinkled Peas of excellent quality. It ripens second early. Sow the seed much thinner than usual, six inches apart being the proper distance, as it has a remarkable tendency to branch. Pkt., 5c.; pt., 20c.; qt., 40c.

★**McLEAN'S ADVANCER.** A green, wrinkled variety, about two and a half feet high, with long pods, which are abundantly produced and well filled to the end. About the first best second-early on the list; excellent flavor. A favorite with canners, a good one for market gardeners as it comes in close after first in market. Pkt., 5c.; pt., 20c.; qt., 40c.

★**HORSFORD'S MARKET GARDEN.** A wrinkled variety coming in between the Little Gem and the Advancer. In habit of growth quite distinct. Vines two feet high and very even and regular. A most prolific bearer, outyielding all for height of vine; pods medium size, numerous and well filled with Peas of sweetest flavor. This variety is fast coming into general favor on account of its productiveness and general good qualities. Pkt., 5c.; pt., 25c.; qt., 45c.

★**EVERBEARING.** A new variety, maturing soon after the Gem, and continuing a long time in bearing. Vine stout, about eighteen inches high, bearing at the top six to ten broad pods. Peas wrinkled, large, cook quickly, and very tender; superior flavor, although they are not quite so sweet as some. Pkt., 5c.; pt., 20c.; qt., 40c.

★**TELEPHONE.** Green, wrinkled; height, three and a half feet; productive; pods usually large size, elegant shape, slightly curved, well filled with Peas of large size, good quality. A great favorite with our local gardeners. Pkt., 5c.; pt., 25c.; qt., 45c.

★**STRATAGEM.** Half dwarf, green wrinkled; two feet; vigorous, branching habit; leaves unusually large size. Under favorable conditions an enormous cropper. Pods long, filled with from seven to nine peas of enormous size. The only fault this pea has is its tendency to sport somewhat, but we think our stock is as pure as any that is offered. Pkt., 5c.; pt., 25c.; qt., 45c.

★**PRIDE OF THE MARKET.** Vines medium height, stiff, bearing at the top, generally in pairs, a good crop of very large, dark green pods, well filled with large Peas of good flavor. This sort has become very popular on account of its handsome pods. Pkt., 5c.; pt., 20c.; qt., 40c.

CHAMPION OF ENGLAND. Universally admitted as one of the best peas grown; delicious flavor, profuse bearer of immense pods filled with very large, green wrinkled peas; height about four feet. Pkt., 5c.; pt., 20c.; qt., 40c.

LARGE BLACK-EYED MARROWFAT. An excellent variety, either for garden or field culture; grows about four feet high, with large and well filled pods. A popular market variety. Pkt., 5c.; pt., 20c.; qt., 35c.

LARGE WHITE MARROWFAT. One of the oldest varieties in cultivation, and a favorite market sort; well liked by farmers who want a late white pea; grows about four feet high, is well filled with very large pods; pea of excellent quality. Pkt., 5c.; pt., 20c.; qt., 35c.

EDIBLE PODDED SORTS.

All edible podded varieties are used either shelled or cooked in the pods like string beans, which, when young, are very tender and sweet.

DWARF SUGAR. (Gray Seeded.) Grows about two feet high; productive; seeds large and shriveled; pods are broad, flat, crooked, and contain five or six peas. Pkt., 5c.; pt., 20c.; qt., 40c.

TALL SUGAR. Tall, productive. Pkt., 5c.; pt., 25c.; qt., 45c.

MELTING SUGAR. The best sugar pea, growing five feet in height, larger pods, more prolific and more delicious in quality than the old varieties of sugar peas. The pods are without string, and snap equal to a wax bean and are used cooked in the same way. Pkt., 10c.; pt., 40c.; qt., 75c.

FIELD PEAS.

Used for field culture only. In their dry state they are used extensively for feeding stock, for making soups and in the manufacture of coffee. They are usually sown broadcast alone or with oats, and either cut and fed green, or left to ripen and then threshed and ground with oats. They are very extensively grown in Canada, and their cultivation is quite largely on the increase throughout the United States. Our stock is Northern grown. Two and one half bushels for an acre. By express or freight—Bushel, \$2.00; pk., 60c. By mail, (post-paid), qt., 35c.; pt., 20c.; pkt., 5c. Special prices on any quantity over a bushel. The market is subject to fluctuation and we prefer to quote rather than make a fixed price.

POTATOES.

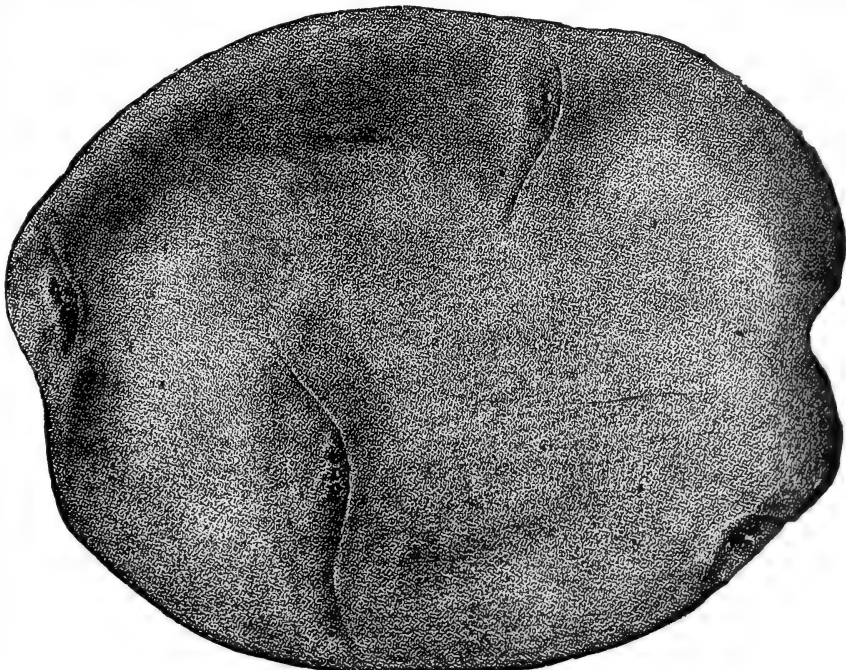
German, *Kartoffel.*

French, *Pomme de Terre.*

Spanish, *Potato o Papas.*

We make the selection of seed potatoes a specialty. Our stock is grown in the far North, by the most reliable growers, and for purity and superior quality cannot be excelled. **PLEASE NOTICE.**—As prices are subject to fluctuation, we would request that our customers send in their orders as soon as possible after receiving our Manual. All orders will be promptly acknowledged and potatoes forwarded as soon as the weather permits, in time for spring planting. Customers residing

South can have them shipped at any time during the winter with little or no risk, but those residing North or West had better wait until the extreme freezing weather is over in March or early April, which will be in ample time for planting. To freeze potatoes, when packed in tight barrels, requires extremely cold weather. We ship each season seed potatoes to nearly all sections North, East and West, and rarely receive a complaint of freezing. We pack our potatoes in large round hoop barrels, and make no charge for bags, barrels or cartage. We will quote



RURAL NEW YORKER NO. 2.

special prices on five and ten barrels of one variety. **Culture.**—The soil best suited to the Potato is a rich, sandy loam, but it seems to thrive in almost any soil or climate. The potato being a gross feeder, requires a liberal application of manure; if stable manure is to be used, it should be well rotted, and not allowed to come in contact with the tubers. On no other crop are the results from the use of phosphates so manifest as on the potato, almost invariably the tubers are smoother, brighter, and freer from rust and the destructive influence of wire worms. The best fertilizers are plaster, lime, super-phosphate of lime, and bone-dust, for heavy and wet soils especially, as they promote growth and at the same time prevent disease. Plant as early in the spring as the ground can be thoroughly

POTATOES—Continued.

worked, in rows three feet apart and one foot in the rows; covering in light, warm soil about four inches, and in cold, wet ground three inches deep; draw the earth to the plants as they advance in growth. If an early crop is desired, sprout the tubers, or cut potatoes, in a light, warm room, from four to six weeks before planting, then lift carefully and plant out; by this process shoots are obtained that, as soon as planted out in the open ground, will send out roots, and grow more rapidly than if treated in the ordinary way. The soil should be constantly stirred through the season to prevent the surface from baking. Many seem to consider it harmful, after the potatoes have set, to disturb the soil in any way; this is contradicted by the experience of the best growers, who run the cultivator until the vines are dead. In some sections "flat culture" is preferred to "ridging," especially where droughts prevail, or the soil is very loose and sandy.

We send you just what you want or refund your money if out of it, unless you order us to substitute.

THE FREEMAN POTATO. This new extra early variety was first introduced three years since under the broad claim of being the greatest potato introduced since the Early Rose. It has made a wonderful record, giving enormous yields in all sections where grown, being fully equal to the old Snowflake in eating qualities. It will pay every market gardener to plant The Freeman. Our crop is grown from seed stock obtained from the introducer, and guaranteed to be true and genuine. Pk., \$1.35; bushel, \$2.50; bbl., \$5.00; 10 bbls. and over, \$4.50 per bbl. by freight or express.

EARLY OHIO. A seedling of the Early Rose, ripens about a week earlier. It is round and oblong in shape, of vigorous growth and excellent quality. Pk., 50c; bushel \$1.50; bbl., \$3.50.

OHIO JUNIOR. Closely resembling its parent, the Early Ohio, but is rather rounder and said to be more productive. A good keeper and of excellent quality. Pk., 75c.; bushel, \$2.00; bbl., \$4.50.

EARLY PURITAN. A first-class early Potato, of handsome, oblong shape; flesh pure white; matures with the Early Rose. Pk., 75c.; bushel, \$2.00; bbl., \$4.50.

EARLY ROSE. A leading variety for earliness, quality and productiveness. Pk., 60c.; bushel, \$1.75; bbl., \$4.25.

RURAL NEW YORKER No. 2. This new potato originated on the experimental grounds of *The Rural New Yorker* and although only introduced in 1889, has already created quite a furore among potato growers. As the agricultural papers have contained so many remarkable reports, it is only necessary to say a few words descriptive of its merits. It is of very distinct and handsome appearance; the tubers are of large size, with remarkable smoothness of skin; the eyes are few, distinct, and shallow. It is of extreme whiteness, both of skin and flesh, and unexcelled table qualities. It has great vigor in growth and solidity of tuber, which enables it to resist disease to a remarkable degree. Thoroughly tested throughout America and Europe, it has proved to be one of the most valuable varieties. Pk., 85c.; bushel, \$2.25; barrel \$5.00.

MAMMOTH PEARL. A medium late variety. Of good quality; skin and flesh white; very productive and good keeper. Pk., 60c.; bushel, \$1.75; bbl., \$4.25.

BURBANK'S SEEDLING. A white-skinned, medium early variety, with few eyes; flesh fine grained and of excellent flavor; producing a large crop of marketable potatoes. Pk., 60c.; bushel \$1.75; bbl., \$4.25.

CLARK'S No. 1. An early sort resembling Early Rose, but considered more prolific. It cooks mealy, is of excellent flavor, of first quality, and is a profitable variety for the farmer or market gardener. Pk., 60c.; bushel, \$1.75; bbl., \$4.25.

CHAS. DOWNING. A new potato having sterling merit, hardy and productive, and possessing the highest quality for eating. Although early in ripening it is a good keeper. Medium size, slightly flattened oval shape, light lemon color, with smooth skin. Eyes few, small, and nearly even with the surface. Pk., 75c.; bushel, \$2.00; bbl., \$4.50.

BEAUTY OF HEBRON. A little earlier than Early Rose, very productive, of excellent quality; a good keeper. Pk., 60c.; bushel, \$1.75; bbl., \$4.25.

THE THORBURN. Earliest and best of all productive sorts. A seedling of Beauty of Hebron, which it resembles; quality is unsurpassed. Per $\frac{1}{2}$ Pk., 20c.; Pk., 35c.; bushel, \$1.50; bbl., \$3.50.

BURBANK. Late.—The well-known late potato. Always a ready seller on the market on account of its fine appearance and splendid keeping qualities. Our stock is pure and selected. Pk., 50c.; bushel, \$1.75; bbl., \$3.00.

WHITE STAR. A medium early variety of the very best quality and appearance. Large, oblong, uniform-sized tubers, remarkably productive; of excellent keeping qualities. Pk., 60c.; bushel, \$1.75; bbl., \$4.25.

EMPIRE STATE. An excellent potato. Skin smooth, white; eyes close to the surface, flesh pure white, and cooks dry and mealy. A heavy cropper. Pk., 75c.; bushel, \$2.00; bbl., \$4.50.

GREEN MOUNTAIN. A prolific late variety, skin white, smooth, eyes shallow and few in number. Of large size, and a good keeper. Pk., 75c.; bushel, \$2.00; bbl., \$4.50.

CROWN JEWEL. This is a seedling of the Early Ohio, and partakes of the excellent qualities of that variety, while it is at least a week earlier and vastly more productive. It is a beautiful potato; skin white and smooth, eyes shallow but strong, flesh pure white and floury. Pk., 50c.; bushel, \$1.50; bbl., \$3.50.

In addition to this list I can also supply a choice stock of Ajax, Peerless, Dakota Red, Snowflake, Colorado Red and White Elephant at the market prices.

PRICES ON ALL POTATOES SUBJECT TO CHANGE WITHOUT NOTICE.

SWEET POTATOES

PRICES SUBJECT TO VARIATION WITHOUT NOTICE ON ALL POTATOES.

One hundred Sweet Potato Plants well attended to will produce several bushels of tubers, and should be grown by every one that has a kitchen garden. Price 75c. per 100, post-paid.

- | | | |
|-------------------|----------------------|-----------------------|
| EARLY RED JERSEY. | EARLY YELLOW JERSEY. | YELLOW NANSEMOND. |
| RED NANSEMOND. | EARLY RED BERMUDA. | SOUTHERN WHITE QUEEN. |

PRICES ON APPLICATION

POTATO EYES BY MAIL.

Our improved method of preparing potato eyes for shipment by mail will enable farmers and others living at a distance to test the following Four Splendid Varieties at a trifling cost. Every one knows the heavy expense attached to sending whole potatoes long distances by Express or Freight, the charges often cost more than the potatoes. The eyes as put up by us, will keep sixty to ninety days in good condition for growing, as if freshly cut from the potato, and will produce just as good a crop as if the whole potatoes was planted; hence, every one who has a garden can order at any time during the winter or early spring and save Express and Freight charges, as we Guarantee safe arrival to any postoffice in the United States. Owing to the extra labor involved in preparing the eyes for shipment, we can only offer four varieties this season, as follows:

- | | |
|--|------|
| 25 Eyes of the Freeman..... | 35c. |
| 25 Eyes of the Rural New Yorker No. 2..... | 35c. |
| 25 Eyes of the Thorburn..... | 35c. |
| 25 Eyes of the Carman..... | 35c. |

The Complete Collection of Four Sorts for \$1.00, Post-paid.

PEANUTS

VIRGINIA PEANUTS. Peanuts are easily grown, and every one should plant a few for themselves and the children. This very desirable variety is early, the most hardy, very prolific, and of the best quality. Plant as soon as the ground becomes warm, from two to three feet apart each way, four or five to the hill, covering two or three inches. The soil should be deep and mellow, and well broken up, so as to be ready for planting soon after frost is over. April is a suitable time. They produce twenty-five to seventy bushels per acre, and are as easily cultivated as corn. Pkt., large, 10c.; lb., post-paid, 30c.

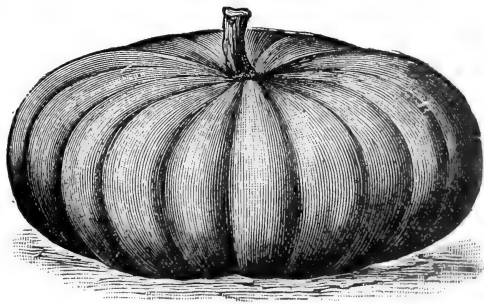
PUMPKIN

German, *Kurbis*. French, *Courge*. Spanish, *Calabaza*.

Pumpkins are now principally cultivated for agricultural purposes. They are usually planted in fields of corn or potatoes, but may be profitably raised in fields by themselves. Sow first of May in hills eight feet apart.

JAPANESE PIE PUMPKIN. The seeds of this new variety are most curiously marked with characters, which greatly resemble Japanese hieroglyphics, and have the appearance of having been the work of some skilled workman, rather than that nature herself wrought them; the outer edge of the seed is a dark shade of brown, and looks as though it had been highly polished. The flesh is very thick, being almost solid, on account of the seed cavity being so small. They are fine grained, dry and of excellent flavor, very hardy and productive, and keep well until late in the spring. For making pies and custards they are extremely fine. When cooked it has somewhat the appearance of a sweet potato, but is much more palatable. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

CONNECTICUT FIELD. The popular variety for field culture and stock raising; very productive. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.



LARGE CHEESE.

CROOKNECK. This variety much resembles the Winter Crookneck Squash, and is a great favorite in the Southern States. Of large size, salmon-colored flesh, outside skin white, striped and mottled with green. Very productive. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 70c.

LARGE CHEESE. The very best variety for cooking purposes. Flesh thick, yellow, fine grained and of superior flavor. Hardy and productive. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

PUMPKIN—Continued.

MAMMOTH CHILI. Really a Squash, but it looks more like a Pumpkin, and we list it here so as to have the Mammoth Pumpkins together. This is the largest of the squash family, and attains the most astonishing weights. Many specimens have been grown reaching nearly 300 pounds, and from 100 to 200 pounds is a common weight with ordinary culture. Our seed has been selected from the large and perfect specimens only. The flesh is a rich yellow, very thick and of excellent quality, highly nutritious. They are profitable to grow for stock feeding. Its general appearance being round and flattened at either end, the skin smooth, with wide fissures, color a rich orange-yellow. Keeps well throughout the winter. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

NANTUCKET. Hard shell, one of the best keepers, very prolific, the great favorite in the East. The celebrated Yankee pies owe their delicious flavor to it. Skin, dark green, flesh, rich orange-yellow, and very thick. Average weight, twelve pounds. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

ETAMPES MAMMOTH RED. In proper soil and under careful cultivation, it very often attains mammoth weights. Its appearance, of a bright, glossy red color and smooth surface, is wonderfully attractive, and for exhibition purposes cannot be surpassed. It is thick-meated, rich in color, early to mature and of fine quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

KENTUCKY FIELD. Large, round, a little ribbed, soft shell; salmon color, productive and best for stock feeding. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

MAMMOTH TOURS. A very productive French variety, which grows to an immense size, specimens often weighing 200 pounds and over. Useful for stock feeding. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

TENNESSEE SWEET POTATO. Of medium size, pear-shaped, color creamy-white, lightly striped with green, flesh thick, creamy white fine grained, dry, brittle and of excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

RUBARB, or PIE PLANT.

German, *Rhubarber*. French, *Rhubarbe*. Spanish, *Ruibarbo Bastardo*.

Rhubarb, familiarly known as Pie Plant, or Wine Plant, is cultivated in gardens for its leaf stalks, which are used for pies and tarts. Immense quantities are now annually sold in all the large markets. No private garden should be without it. Culture. Rhubarb succeeds best in deep, somewhat retentive soil. The richer its condition, and the deeper it is stirred the better. Sow in drills, an inch deep, and thin out the plants to six inches apart. In the fall trench a piece of ground and manure it well; then transplant the young plants into it three feet apart each way. Cover with leaves or litter the first winter, and give a dressing of coarse manure every fall. The stalks should not be plucked until the third year, and the plant never allowed to exhaust itself by running to seed. Our seed is saved from selected plants of Linnæus, Victoria, Giant and other improved sorts. Like the seeds of fruit trees, rhubarb seed cannot be relied upon to reproduce the same variety. We also have the roots for sale of any sort at twenty-five cents each, by express or freight.

NEW GIANT. It is immensely productive, one of the earliest, and has a rich, spicy flavor, very similar to the gooseberry when used for pies and tarts. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.20.

VICTORIA. Very large; later than the Linnæus. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

LINNÆUS. Early and tender. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

RADISH.

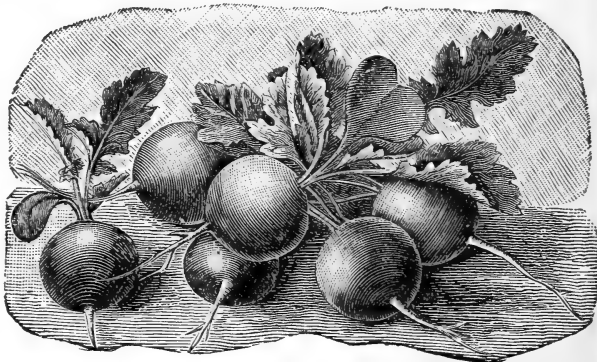
German, *Rettig, Radieschen*. French, *Radis, Rave, Petite Rave*. Spanish, *Rabano*.

Radishes thrive best in a light sandy loam; heavy or clayey soils not only delay their maturity, but produce crops much inferior both in appearance and flavor. For a successive supply sow from the middle of March until September, at intervals of two or three weeks. For an early supply they may be sown in a hot-bed in February, care being taken to give plenty of ventilation, otherwise they will run to leaves. One ounce for one hundred feet of drill; nine to ten pounds in drills for an acre.

EARLY SCARLET TURNIP, FORCING.

This has as small a top and is as early as any variety in cultivation, making it one of the best for forcing. Roots fit for use may be had in three weeks or less from time of sowing. Roots small, globular, deep rich red color; flesh white, crisp and tender when young. May be planted very closely owing to its small tops. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

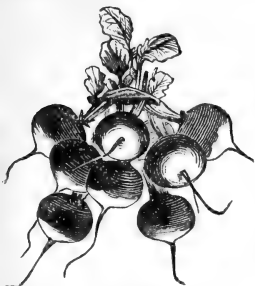
DARK BLOOD RED TURNIP. Top very small and compact. Roots spherical or thick turnip-shaped; color very deep red, but white flesh. It remains hard a little longer than most forcing sorts. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.



EARLY SCARLET, TURNIP FORCING.

RADISH—Continued.

EARLY SCARLET TURNIP, WHITE TIPPED, FORCING.



EARLY SCARLET TURNIP
WHITE TIPPED.

A beautiful variety, deep scarlet, with white tip. It is very ornamental for table use and is becoming very popular as a market variety. Fully as early as Extra Scarlet Turnip, as small a top and may be planted as closely, more attractive in appearance and cannot fail to give satisfaction as a forcing radish. Pkt., 5c; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

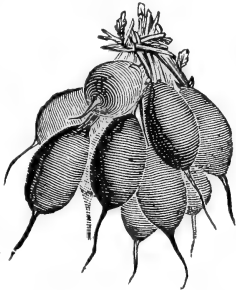
EARLY SCARLET GLOBE.

This variety makes roots fit to pull

early, but they are much larger when full size and for this reason they are very popular in some markets. Roots round or slightly olive-shaped; color rich, deep scarlet; flesh white and tender. We recommend this especially to gardeners whose markets demand a large, round Radish. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

EARLY SCARLET OLIVE-SHAPED.

In the form of an olive, terminating in a very slim tap root. Skin scarlet, neck small, flesh rose-colored, tender and excellent. Early and well adapted for forcing or general crop. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.



OLIVE-SHAPED SCARLET.

FRENCH BREAKFAST.

A medium size radish, olive-shaped small top, of quick growth, very crisp and tender, of a beautiful scarlet color, except near the tip, which is pure white. A splendid variety for the table on account of its excellent qualities and its beautiful color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

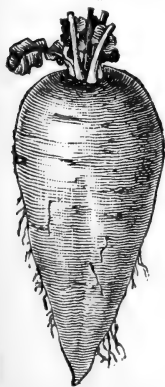
EARLY SCARLET TURNIP, WHITE TIPPED.

One of the handsomest of the Turnip Radishes and a great favorite in many large markets, for early planting out doors. While it is not a distinctly forcing Radish, it is but little later than the best of that class and will give entire satisfaction where extreme earliness is not the primary object. Pkt., 5c; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

WOOD'S EARLY FRAME.

A splendid forcing variety, earlier than the Long Scarlet, shape not quite so long and has a smaller top. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 65c.

GOLDEN GLOBE. A fine variety, being fit for use in from four to six weeks after sowing, and is a great improvement on the old Yellow Turnip Radish, both color and quality being much finer. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.



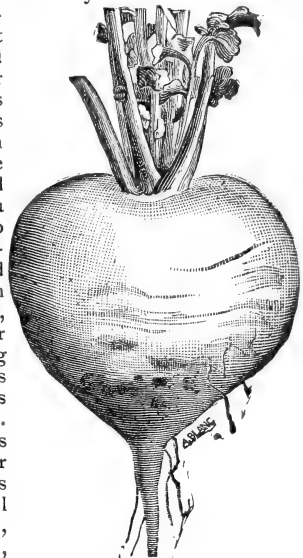
WHITE WINTER.

EARLY LONG SCARLET, SHORT TOP, IMPROVED.

This is a standard variety for private garden or market use, particularly for out door culture. It grows six or seven inches long, half out of the ground, is uniformly straight and smooth, is very brittle and crisp, and of quick growth; color, bright scarlet, top small. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

LONG BRIGHTEST SCARLET, WHITE TIPPED.

The brightest and handsomest scarlet color we have seen in any Radish. We think this variety is a decided improvement in earliness and color over other varieties of this class. It makes roots fit for use in about twenty-five days, when planted out doors; has a small top and no tendency to neckiness; it is mild flavored when grown out of doors, may be used for forcing or planting out doors; grows to the same size as Wood's Frame. Market gardeners should use this for early planting, as its color alone will make it sell. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.



WHITE STUTTGART.

CHARTIER. A variety of the Long Scarlet. It is exceedingly handsome and attractive, being of a deep crimson color at the top, and blending off to almost white at the bottom. It is very tender, and remains so for a long time after attaining its growth, an important feature to the gardener. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

GIANT WHITE STUTTGART.

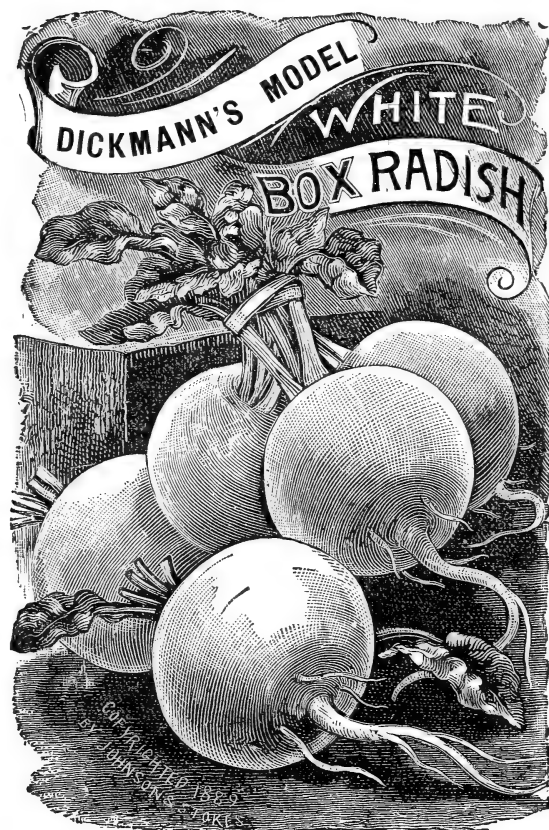
This is one of the most popular of the new varieties, withstanding the severest heat of the South, and growing to a large size, always retaining its fine quality and flavor. It is of quick growth, producing roots as large as a winter radish, in five to eight weeks after being sown. Its flesh and skin are of a beautiful snowy white, firm and brittle and never pithy. They may be used at any stage of growth. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

EARLY WHITE TURNIP. Pure white in color, with a very small top; flesh pure white and semi-transparent. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 80c.

LONG WHITE NAPLES. An early variety. The skin is white, flesh fine grained, crisp and of very good flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

WHITE LADY FINGER, OR LONG WHITE VIENNA. Earlier than the last, with straight, smooth, white roots; flesh white, very tender, crisp and juicy. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

RADISH—Continued.



disposition to become pithy, but remaining solid and juicy for some time after fully grown, especially fitted for growing under glass, in frames or in boxes, hence its name. Owing to its very few, short leaves, it can be sown very thickly. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

LARGE WHITE SUMMER TURNIP. One of the earliest of the summer varieties, coming to a usable size in forty days from sowing. Root round, smooth, very white and handsome. Flesh crisp, tender and rather pungent in flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

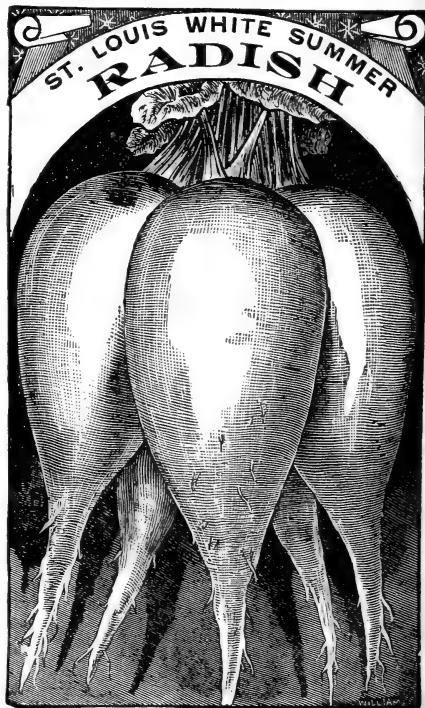
WHITE STRASBURG. The roots are of handsome, oblong, tapering shape; both skin and flesh are of pure white. The flesh is firm, brittle and tender, and possesses the most desirable character of retaining the crispness even when the roots are old and large. It is excellent for summer use, withstanding the severe heat and grows very quickly. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 95c.

NEWCOM. This is considered one of the best summer radishes in cultivation. The roots are of handsome shape; both flesh and skin are pure white. They are very tender and crisp and remain so even when the roots become large and old. It is valuable alike for family and market garden use. It can be used in six weeks from the time of sowing, when it has reached but two-thirds its size, or if allowed to continue growth it can be used for a month or more afterward without losing its superior quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

DICKMANN'S MODEL WHITE BOX RADISH. No Radish ever introduced has met with so large a sale or giving such general satisfaction as the Philadelphia White Box. But our customers, however, were gratified and surprised to find that we offer a still better and more desirable Radish—Dickmann's Model White Box. It possesses all the excellent qualities of the once popular Philadelphia White Box, and is superior in the following respects: In the first place the shape is rounder and much handsomer, as shown in our engraving, made from nature. It is also earlier, with fewer and shorter leaves, hence it can be sown more thickly in the row, enabling the grower to raise at least one-third more Radishes in the same space, whether under glass, in frames or boxes, or on squares or borders in open ground. It is indeed a model, perfect in all respects, solid, juicy and unsurpassed in flavor in all stages of growth, and equally valuable for the home or market garden. Pk., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.20.

ST. LOUIS WHITE SUMMER. This Radish has taken a leading place with our market and family gardeners. It is the earliest, largest White Radish known. Owing to their beautiful half-long shape and fine appearance they readily sell at double the prices of ordinary varieties. Quality very superior, and they hold their fine eating condition four or five weeks after being fit to pull. They stand heat and drought to a remarkable extent, small top and slow to run to seed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., \$1.00.

WHITE BOX. Its points of superiority are short top, rapid growth perfect turnip shape, extra fine quality, and showing very little



RADISH—Winter Varieties.

Sown in the summer and used in the fall, or put away same as turnips for winter use, store in the cellar.

LONG BLACK SPANISH. This variety grows six or eight inches long, and about one and one-half inches through at top; skin black; flesh white and of firm texture. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

ROUND BLACK SPANISH. Similar to the above, except in shape. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

LONG WHITE SPANISH. Mild in flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

CALIFORNIA MAMMOTH WHITE. A general favorite and grown extensively by the Chinese gardeners in California; it is eight to twelve inches long, and from two to three inches in diameter; white, solid and of good flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., \$1.00.

CHINESE ROSE WINTER (Scarlet China.) A bright rose colored winter variety. Of excellent quality, certainly one of the best, and would be grown generally by radish growers if better known. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

SALSIFY, or OYSTER PLANT.

German, *Bocksbart*. French, *Salsifis*. Spanish, *Ostra Vegetal*.

The Oyster Plant succeeds best in light, well-enriched mellow soil, which, previous to sowing the seeds, should be stirred to a depth of eighteen inches. Sow early in spring in drills fifteen inches apart; cover the seeds with fine soil an inch and a half in depth, and, when the plants are strong enough, thin out to six inches apart.

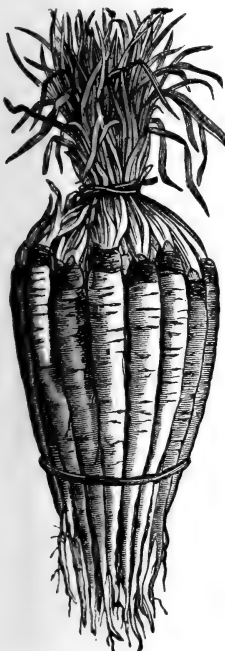
WHITE FRENCH. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

MAMMOTH SANDWICH ISLAND. A new and improved type, producing roots of nearly double the size and weight of the old variety, and of equally good quality. It has been extensively grown for the markets of many of the large cities, entirely superseding the old sort. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.35.

SCORZONERA, or BLACK OYSTER PLANT.

This vegetable requires the same treatment as Salsify, which it nearly resembles; it is not, however, so generally esteemed. Sow in drills eighteen inches apart, and thin out to nine inches from plant to plant. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

If our American Stock Food does not give you the desired results let us know and we will refund you the money you paid for it.



SALSIFY—MAMMOTH, SANDWICH ISLAND.



SCORZONERA.

SPINACH

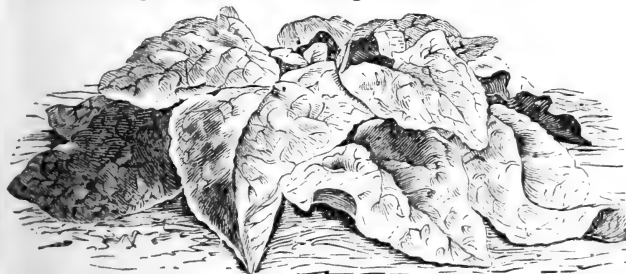
German, *Spinat*. French, *Epinard*. Spanish, *Espinaca*.

This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut with the frost; but in sheltered fields there is no necessity for covering.

For summer use it may be sown at intervals of two or three weeks, from April to August. Spinach is best developed and most tender and succulent when grown in rich soil. One ounce for 100 feet of drill. Ten to twelve pounds in drills for one acre.

ROUND THICK-LEAVED. Pkt., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 25c.

IMPROVED THICK LEAF (Viroflay) A decided improvement on Round Summer. Has very large, thick leaves, of greater substance. Pkt., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

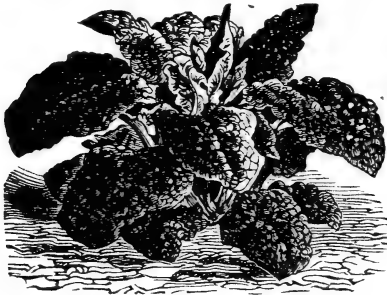


SPINACH VIROFLAY.

Our Seeds won ELEVEN FIRST PREMIUMS at the great St. Louis Fair.

SPINACH—Continued.

PRICKLY SEEDED. The hardiest of all, therefore the best where the winters are severe. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.



SPINACH, SAVOY LEAVED.

CURLED-LEAVED SAVOY (Bloomsdale)—The earliest variety, of upright growth, fine large tender, savoyed leaves. This variety grows quick, but will not stand long. Pkt., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 45c.

LONG-STANDING. An improved strain; later in going to seed than any other; especially desirable for market gardeners. Pkt., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

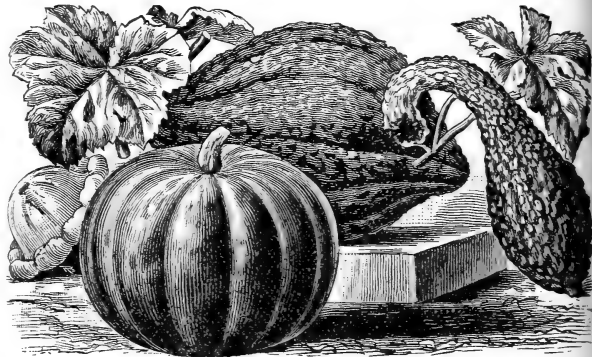
NEW ZEALAND. This variety withstands the heat and drouth and produces leaves in great abundance throughout the summer in the hottest climates, where ordinary Spinach will not do well; should be raised in heat and transplanted three feet apart each way, into light, rich soil. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

SQUASH.

German, *Speise Kuerbis*. French, *Courge*. Spanish, *Calabasa Tomtanera*.

The Squash is one of the most nutritious and valuable of all our garden vegetables. The summer varieties come to the table early in the season, while the winter sorts can be had in perfection from August until the summer varieties are again in condition. Few farmers appreciate the value of winter Squash as food for stock. We think that an acre of Squash, costing no more to cultivate and much less to secure, will give as much food available for feeding stock as an acre of corn, and we strongly urge our readers to try a "patch" for this purpose.

Culture.—The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but the plants are less particular as to soil. The summer varieties should be planted four feet apart each way, and the winter sorts eight feet. Three plants are sufficient for a hill. Care should be taken not to break the stems from the Squashes intended for winter use, as the slightest injury will increase their liability to decay.



EARLY WHITE BUSH SCALLOP. Similar in form to the Early Yellow, but with a clear white skin, and more tender and delicate flesh. By many considered the best of the summer varieties. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

WHITE PINEAPPLE. This new variety has attracted much attention, owing to its peculiar shape. The skin and flesh are of a pure creamy white color, flesh fine grained and of excellent flavor, resembling the cocoanut when made into pies or custards. They can be used any time during growth, and after maturing make an excellent autumn and winter sort. They are remarkably strong growers, each vine producing generally from ten to fifteen perfect fruits. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

ESSEX HYBRID, or AMERICAN TURBAN. This variety is one of the finest grained and sweetest of the Squash family. Specimens kept until June as sound and good as when gathered in the fall. The flesh is very thick, rich colored and solid. It ripens early and is one of the most productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

EARLY YELLOW BUSH SCALLOP. An early flat, scallop-shaped variety, color yellow, flesh pale yellow and well flavored; very productive; used when young and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

CANADA WINTER CROOKNECK. A well-known kind, sure to produce a crop, its strong growing vines suffering less from insects than many other sorts. Neck long and solid, yields well, excellent for pies, good for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MARBLEHEAD. This Squash resembles the Hubbard, but it is a little more elongated. Shell is an attractive light blue. Its combination of sweetness, dryness and delicious flavor is remarkable. Yields equal to the Hubbard, and its keeping qualities are said to be better. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MAMMOTH CHILI. The largest of the Squash family, specimens often weighing two hundred pounds and over. Flesh is a rich orange yellow, very thick and of good quality, very nutritious and profitable for stock feeding. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

SQUASH—Continued.

MEXICAN BANANA. Originated by crossing imported varieties. It is sweet, rich, finest grained meat, good keeper, and the heaviest for the size of any ever grown. The size is from two to three feet long, and weighs from thirty to fifty pounds. Dark green color, magnificent bearers; for fall and winter use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

BOSTON MARROW. Extensively grown and most profitable for winter use and canning. Flesh orange, fine grained; splendid for pies and as a winter keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

GIANT BUSH SUMMER CROOKNECK. This magnificent strain has been brought about by years of painstaking selection. It is a beautiful bright yellow and twice as large as the ordinary Summer Crookneck, far more warty, and several days earlier, keeps bearing all summer and commands good prices, hence a very desirable Squash for the market or private garden. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

VEGETABLE MARROW. A favorite English sort. The fruit is very variable in size, from nine to eighteen inches in length, and from four to six inches in diameter. Skin a greenish yellow, flesh white, soft and of rich flavor. Plant eight feet apart. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

EARLY PROLIFIC ORANGE MARROW. This variety ripens two weeks ahead of the Boston Marrow, and excels it in productiveness and keeping qualities. Of very handsome color, medium in size, sweet flavor, with thick high colored orange flesh, fine grained and dry when cooked. Growing very quickly, it does well when planted as a second crop, following, early peas, potatoes, etc. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

SIBLEY or PIKE'S PEAK. The shell is pale green in color, very hard and flinty, but so very thin and smooth as to occasion the least possible waste in baking. The flesh is solid and thick; a vivid brilliant orange color, dry and of a rich delicate flavor. They range in weight from eight to eleven pounds. Vine remarkably vigorous, and ripens its fruit simultaneously with the Hubbard. In productiveness is decidedly superior to both the Hubbard and Marblehead, and ripens its fruit so evenly that nearly the whole crop may be gathered at one picking. In its keeping qualities it excels, remaining, in a good dry cellar, perfectly sound until the last of March. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

HUBBARD. A general favorite and one of the best table varieties; of large size, flesh fine grained, dry and of excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

SEA-KALE.

German, *Seekohl Meerkohll.* French, *Crambe Maritimee.* Spanish, *Breton de Mar.*

Cultivated for its blanched shoots, which are cooked as asparagus. A supply may be had all winter, by planting the roots closely in a warm cellar before frost. Sow one inch deep, in drills two feet apart, thin out to six inches, and the next spring plant in hills three feet apart. As this vegetable is only used, when blanched, like celery, the plants must be excluded from the light by covering up with leaves or litter. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

SORREL.

Of the easiest growth, Sorrel is cultivated for its leaves, which possess a very fine flavor boiled and served like spinach. It also makes delicious soup.

BROAD-LEAVED FRENCH. This is the best variety—large leaves of a pale color. So popular is this in France that whole fields of it are grown around Paris. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

TOBACCO SEED

Culture. The seed should be sown very early in the spring, and as early as possible after the danger of frost is over. When the plants are about six inches high, transplant into rows four feet apart each way, and cultivate thoroughly with plow and hoe.

GOLD LEAF. A cross between the Yellow Prior and Oronoko; good either for wrappers or fillers. oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

WHITE BURLEY. A Western variety, which produces one of the most fashionable types for manufacturing and cutting. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

YELLOW PRIOR. A good variety for bright, yellow grades. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

THE MISSOURI BROAD LEAF. This a well-known standard sort. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

HAVANA. Commands a high price for cigar stock. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

BIG ORONOKO. A favorite Virginia variety. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

CONNECTICUT SEED LEAF. This variety is a staple crop. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

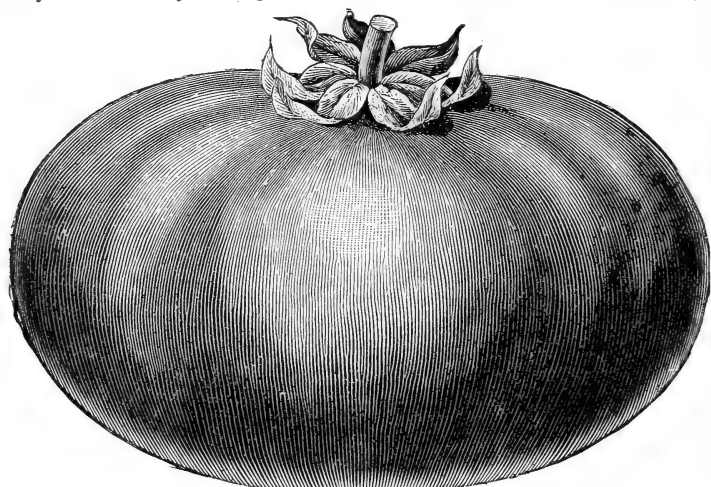
Packets of any sort, each 5c.

TOMATO

German, *Liebesapfel*. French, *Tomate*. Spanish, *Tomate*.

Tomato Culture. For very early fruit the seed should be sown in a hot-bed about the first week in March, in drills five inches apart and one-half inch deep. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or a flower pot, and placing in a sunny window

in the house. When the plants are about three or four inches high they should be set out four or five inches apart, in another hot-bed, or cold frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden, and about the middle of May the plants may be set in the open ground, at a distance of four or five feet each way. Water freely at the time of transplanting, and shelter from the sun a few days, until the plants are established. Cultivate thoroughly as long as the vines will permit. Tomatoes will admit of training to stakes or trellises of various kinds, 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

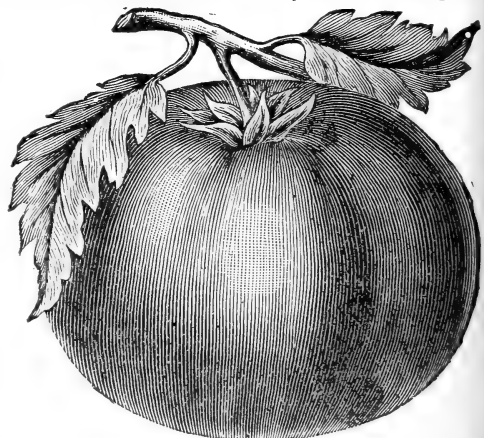


NEW STONE.

market. The usual method is to set one strong plant to a stake, using stakes five to seven feet high, tying the plants up with wool or other strong soft twine, pruning out quite freely as the vines advance in growth. By adopting this method the plants may be set much closer than in the ordinary way. For fine, large specimens of high color and attractive appearance generally, grow the clusters of fruit in paper sacks, as is commonly practiced by grape growers. The sacks should be put on when the Tomatoes are about three-fourths grown. One ounce of seed produces usually about 1,500 plants.

NEW STONE. This tomato comes from Mr. Livingston, the originator of the Paragon, Favorite, Beauty, Acme and Perfection, which is of itself sufficient recommendation. The New Stone ripens for main crop, very large, of bright scarlet color, very smooth, with occasionally a specimen very slightly octagon shaped, ripening evenly to the stem without a crack, exceedingly solid and firm fleshed (as its name indicates), is an excellent shipper, quality the very best, fine for canning, a good keeper, without hard core, not subject to rot, its appearance on market remarkably attractive; a heavy variety; its vines and foliage rank and robust, heavily loaded. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

ATLANTIC PRIZE. The very earliest of all tomatoes. This tomato ripens ahead of all others. It is the result of many years' careful selection by one of the most successful tomato growers of Atlantic County, New Jersey. The vines grow strong, stiff and very rapidly, setting the crown fruit when quite young, the buds appearing before the plant is four inches high. The fruit is borne in immense clusters. Each vine produces from sixty to eighty large, perfect tomatoes, very solid and of the finest quality, being unusually free from core and seeds. Another great feature, besides extreme earliness, and one which must prove of great advantage to all tomato growers and market gardeners, is that when first fruiting it ripens more evenly and abundantly than any other tomato grown. It is by far the most valuable first early market variety ever introduced. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.



LIVINGSTON'S BEAUTY.

1-3 size.

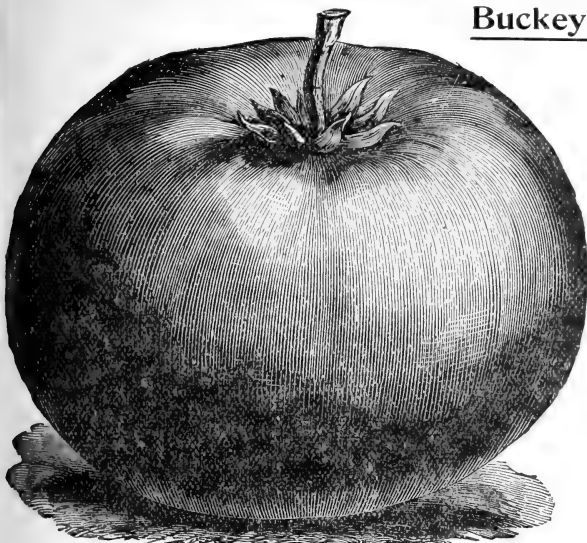
LIVINGSTON'S ROYAL RED. Royal Red is a first-class main crop variety for the shipper, market and private gardener, and of special value to the canner and catsup maker. Of late years quite a demand has sprung up for a tomato without any purple tinge and of a deeper red than any variety now on the market, and the beautiful red color of both skin and flesh of Livingston's Royal Red is what is desired. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

Our \$1.00 collections of Plants always pleases the Ladies.

TOMATO—Continued.

Buckeye State Described as follows by the originator, Mr. A. W. Livingston:

"It averages at least double the size of Livingston's Beauty. We have always held that no matter how large a sort may be, if it is rough and uneven, it is of little, if any, value nowadays. Many mammoth sorts have been introduced of late, but on first trial, the market gardener rejects them as unfitted for his business, on account of their roughness, preferring not to grow simply monstrosities, which are of no value to his customers. When, therefore, we state that in addition to its very large size, it is also smooth and uniform, like all the other celebrated varieties introduced by us, we are sure we have said enough to enlist the attention of tomato growers everywhere. This is not all, however, for although its large size might lead some to believe the fruits are few in number, yet the fact is, it is even more prolific and abundant than the standard sorts now in cultivation. It is unquestionably the heaviest cropper known. The tomatoes are borne in im-



THE NEW BUCKEYE STATE TOMATO.

mense clusters of four to eight fruits, and occasionally ten large perfect fruits have been found on a single cluster. In time of ripening it matures with Livingston's Stone. In solidity and quality, none surpass it. The color is much the same as our Beauty, but of a richer shade, and this, together with its very large and clear cut outlines, makes it very showy and striking. In shape it is a little thicker from blossom end to stem than most other sorts. The past season we grew this variety by the ordinary method, as well as on stakes, and they were the admiration of all who visited our grounds, and nearly every caller insisted on having "just one for seed," or to carry home to show friends."

With the above characteristics, not one of which has been overpraised, it must be apparent to all that the Buckeye State will immediately take its place in the front rank and should, therefore, not be omitted from a single order. Do not simply experiment with this variety this season (we have already done that for you), but order sufficient to grow a good portion of your crop. Pkt., 5c.; oz., 25c.; ¼ lb., \$1.00; lb., \$3.25. Prices given include postage or free delivery.

LIVINGSTON'S BEAUTY. This excellent variety is a decided favorite for either the home market or for shipping purposes, and contains more of the essential points than that of any other one variety, being early, hardy, a strong grower, productive, large size, always smooth, flesh solid, and of excellent quality. The color is quite distinct from any other sort, being a very glossy crimson with a slight tinge of purple. It grows in clusters of four or five large fruits, retaining its large size late in the season. This is an essential point in its favor, as many other good sorts decrease in size at least one-half before the season is over. It ripens with the Acme and Perfection, and is entirely free from ribbed and elongated fruit, being perfect in shape, besides having a thick skin and few seeds. It seldom cracks after rain like many of the thin skinned sorts. For shipping and early market it can not be excelled, on account of solidity, toughness of skin, and especially handsome color, can be picked quite green, will look well and ripen up nicely, and keep for a week after it is ripe, hence a great favorite with shippers. Pkt., 5c.; oz., 25c.; ¼ lb., \$1.00; lb., \$3.25.

TURNER'S HYBRID OR MIKADO. The largest purple-fruited tomato, weighing as high as twenty-eight ounces, average weight is probably not less than twelve ounces, vines large, coarse growing, leaves entire, like the potato plant; very productive, early for so large a tomato. Pkt., 5c.; oz., 20c.; ¼ lb., 75c.; lb., \$2.50.

LONG KEEPER. The result of careful selection with a view to increasing the long-keeping qualities, uniformly in shape, earliness in ripening as well as the productiveness of the vines, so we have in this Tomato a variety which we would particularly recommend to the market gardener. Pkt., 5c.; oz., 25c.; ¼ lb., \$1.00; lb., \$3.25. Mr. E. S. Carman, editor of the *Rural New Yorker*, wrote the following letter, giving the origin and history of this tomato:

About thirteen years ago I raised all the kinds of tomatoes popular at that time. Six of each were selected the same day, of apparently the same stage of maturity, and of a bright red color, as well as of the largest size and shapeliest form. These were kept in a darkened room until all were more or less decayed. From the last one to decay I selected seeds, which were planted the next year. Careful selections have been made every year since, always with a view to increasing their long-keeping qualities, uniformity in shape, earliness in ripening, as well as the productiveness of the vines. This is the origin of this tomato, which has been named "Thorburn's Long-Keeper," and which is now offered to the public. (Signed) E. S. CARMAN.

LARGE ROUND YELLOW. A good yellow sort of first-class quality, its superior flavor has brought it into favor as a table fruit. It is solid, smooth, free from ridges, large in size, ripens early, and is a very handsome sort; in fact, by far the most beautiful yellow variety. None excel it for eating raw or slicing. The handsome golden-yellow slices make a beautiful contrast in a dish with red sorts, has very little acid and the quality is excellent, makes beautiful preserves. Pkt., 5c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.75.



TOMATO—Continued.



DICKMANN'S NEW JERSEY TOMATO.

The best main crop variety for the shipper, market and private gardener, and of special value to the canner and catsup maker, for the reason, not a single top essential in a main crop variety is lacking. Fruit large, perfectly smooth, and of a vivid red color, without any purple tinge. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

ACME. One of the smoothest and evenest in size, and earliest of the purple fruited sorts. Vines large, hardy and productive, ripening its first fruit almost as early as any, and continuing to bear abundantly until cut off by frost. Fruit in clusters of four or five, invariably round, smooth, and of good size, free from cracks and stands, shipment remarkably well; flesh solid and of excellent flavor. For market gardeners. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

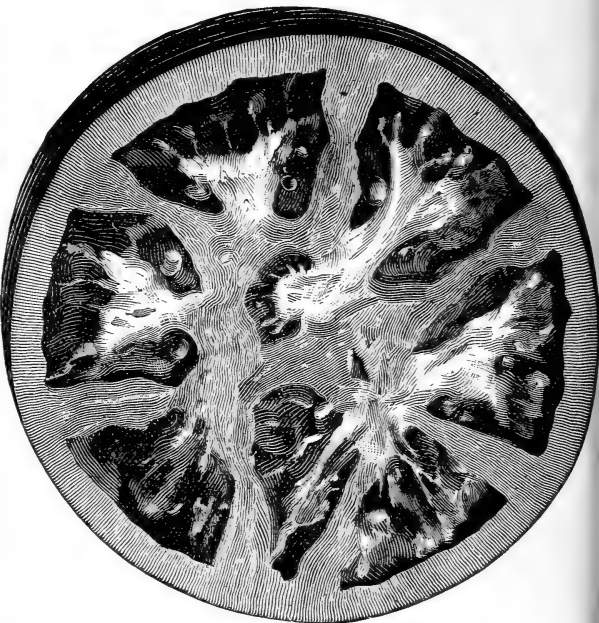
DWARF CHAMPION. This is a purple fruited variety which forms very stout, strong plants, about two feet high. The branches are short, making a bushy plant that stands quite erect without stakes. This sort is often sold as Tree Tomato. Fruit smooth, medium size; color purplish-pink, fairly solid, but has no hard core, and of good flavor. About as early as any purple fruited tomato, and is quite popular in some localities, both for market and home use. The dwarf habit of the vines makes it very desirable for forcing, as it can be planted closer to the glass, and more closely on the bench, than the tall growing kinds. Our stock is a very superior strain with larger, smoother fruit than the original. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

IGNOTUM. Very large, smooth and regular, and extraordinarily solid, while the seed cavities are the smallest of any tomato. It only averages one-half as many seeds as the ordinary sorts. It is also very productive and uniform, the last pickings being scarcely inferior to the best of the season. It is of a very handsome deep-red color, ripens perfectly up to the stem, and remarkably free from cracking and rotting. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$2.50.

TROPHY. Fruit very large and generally smooth; solid, good flavor and very productive. Choice, selected seed, as good as it can be grown. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

FAVORITE. An early variety. Does not crack after ripening, is of a darker red than the Perfection, and is larger. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$2.00.

PERFECTION. A variety similar to the last, but an improvement upon it, being a little earlier, and invariably smooth and handsome. It is one of the handsomest tomatoes grown, and all who have tried it pronounce it of the highest quality. Has been used very satisfactorily for forcing under glass. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.



NEW JERSEY.

PONDEROSA. Is the largest variety we know of, and is highly commended in many localities. Like all other mammoth sorts, however, there is a considerable proportion of misshapen fruits, and some with hard green spots around the stem. Our seed is pure. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.25.

HUSK, or STRAWBERRY. This distinct husk-enveloped tomato is unequalled for canning, preserving and pies. Dried in sugar, as raisins or figs, or to use in fruit cake, they are unexcelled. They are handsome in color, and will keep until midwinter or longer. They have a strawberry flavor, and produce fruit in great abundance. Aside from being a great curiosity, and very attractive, they are rapidly becoming very popular. Pkt., 5c.; oz., 40c.

Red Currant, Red Cherry, Yellow Cherry, Yellow Plum, Red Pear Shape. Excellent for pickles, preserves and pies. Price of each variety: Pkt., 5c.; oz., 30c.

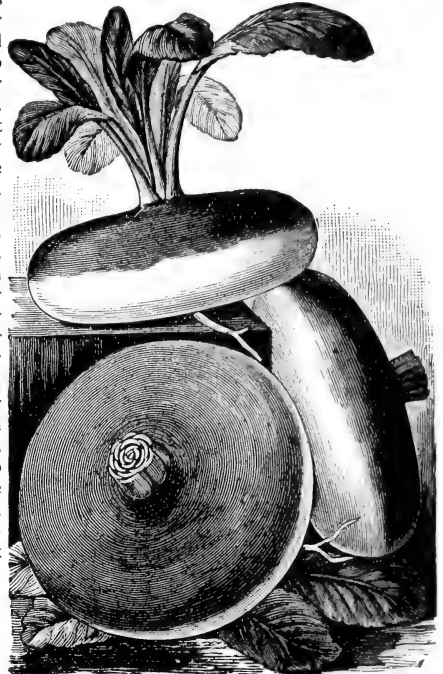
TREE TOMATO.

MANSFIELD TREE TOMATO. (Description as given by originator.) This variety has been originated by careful selections and special methods until it has attained the height of ten feet for the tree and a weight for a single tomato of thirty ounces and six inches in diameter, with testimonials of over sixty pounds of ripe fruit to a single tree of a quality that surpasses all others. Fruit ripens from July 4th until frost; they are solid all the way through, and but few seeds in a tomato. Pkt., 5c.; oz., 40c.

TURNIP

German, *Steckrube*. French, *Navet*. Spanish, *Nabo Coman*.

This wholesome and agreeable vegetable is most easily affected in its form and flavor by soil, climate and mode of culture. There are a great many varieties, but we have selected the following as the best for the garden or farm. **Culture**—Sow in drills fourteen inches apart, and half an inch deep, or sow broadcast, but in either case be sure to have the ground rich and freshly dug. Be careful to weed and thin out, so the young plants will not be checked and injured. Any overcrowding will result in rough and poor flavored fruit. For the spring and summer crops it is important to get them started very early so they may have time to grow sufficient size before hot weather, when they soon become tough and strong. For the fall and main crop, sow from July to the last of August, as directed for the spring sowing. In the field, turnips are generally sown broadcast, though much larger crops are obtained by drill culture. To preserve turnips in good order for winter, store them in barrels placed alongside the wall of a cool cellar and cover them with sand or turf to keep them fresh. Another method is to put them in a cellar or dry pit, and cover with straw and then earth over it to the depth of eight or ten inches. Thus protected they will keep well till spring.



RED, OR PURPLE TOP, STRAP-LEAVED.



WHITE EGG.

EXTRA EARLY PURPLE TOP MILAN. Tops very small, distinctly strap leaved, and growing very erect and compact. The roots are small and flat turnip shaped, skin purple on top of the root, clear white below, flesh white. The most desirable sort for forcing, or very early planting out doors. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

EARLY WHITE FLAT DUTCH, STRAP LEAVED. A most excellent early garden variety, much used. Roots medium size, flat, color white, very early, sweet and tender. It is designed for table use and is spongy and inferior when overgrown. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

EARLY PURPLE TOP MUNICH. A German sort, remarkably handsome, very early, with a bright, purplish, red top, very distinct and valuable. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

LONG WHITE, or COW HORN. Grows very quickly, partly above ground, very productive, flesh white fine grained and sweet, of excellent quality for family and market gardeners' use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

LARGE WHITE GLOBE. Flesh white, firm, crisp; a very desirable early variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.



LARGE WHITE GLOBE.

EARLY WHITE EGG. An egg-shaped variety, for spring or fall sowing, flesh white, firm, fine grained, mild and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 60c.

PURPLE TOP GLOBE. Similar to the Purple Top Strap-Leaved, except shape. This is the largest yielder of any turnip on the list, very desirable for table use or stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

PURPLE TOP STRAP-LEAVED.

This variety is the standard for this part of the country. Superior for early or late planting. Round, flat, good sized, small top with but few leaves, flesh very fine grained, flavor good. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

SEVEN TOP. Cultivated extensively in the South for the tops, which are used for greens. This variety is very hardy, and will grow all winter but does not produce a good root, and is only recommended for the tops. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

YELLOW GLOBE, or AMBER. One of the best for a general crop, flesh firm and sweet, grows to a large size, excellent for table use or stock and keeps well until late in the spring. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.



LARGE COW HORN.

SWEET GERMAN. Large size, oval form and very solid, flesh pure white and sweet. This is the best keeping variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Aromatic, Medicinal and Pot



HERBS



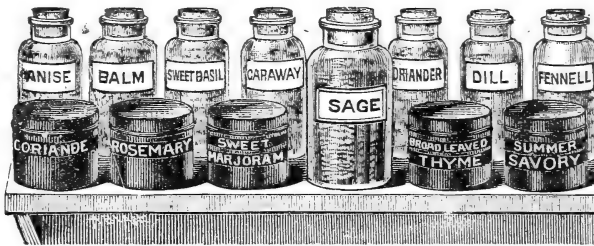
GENERAL CULTURAL DIRECTIONS.

Most of the varieties will thrive best on rich, sandy soil, which should be carefully prepared and well cultivated, as the young plants are for the most part delicate and easily choked out by weeds. Sow as early as the ground can be made ready, in drills sixteen to eighteen inches apart, taking pains that the soil is fine and pressed firmly over the seed, or they may be planted as a second crop—the seeds sown in beds in April, and the plants set out in June. Most of them should be cut when in bloom, wilted in the sun, and thoroughly dried in the shade.

ALL HERBS

Five Cents

Per Packet.



ALL HERBS

Five Cents

Per Packet.

All Herbs, Five Cents Per Packet.

ANISE (*Pimpinella anisum*). French, *Anis*. German, *Anis*. A well-known annual herb whose seeds, which have an agreeable aromatic odor and taste, are used for dyspepsia and colic, and as a corrective of griping and unpleasant medicines. Sow early and thin to three inches apart in the row.

BALM (*Melissa officinalis*). French, *Melisse*. German, *Melisse*. A perennial herb, easily propagated by division of the root or from seed. The leaves have a fragrant odor, similar to lemons, and are used for making balm tea for use in fevers, and a pleasant beverage called balm wine. Plant early and thin to ten inches apart.

BORAGE (*Borago officinalis*). French, *Bourrache*. German, *Borretsch*. A hardy annual, used as a pot herb, and for bee pasturage. The leaves immersed in water give it an agreeable taste and flavor. Sow in April and thin to eight inches apart. In some places this sows itself, and becomes a weed.

CORIANDER (*Coriandrum sativum*). French, *Coriandre*. German, *Koriander*. A hardy annual, cultivated for its seed, which has an agreeable taste, and is used in confectionery, and to disguise the taste of medicine. Sow early in the spring, and gather on a dry day, bruising the stems and leaves as little as possible, for when injured they have a disagreeable odor, which they impart to the seed.

CARAWAY (*Carum carui*). French, *Carvi*. German, *Kummel*. Cultivated for its seed, which is used in confectionery, cakes, etc. The leaves are sometimes used in soups. If sown in August the plants will give a fair crop of seed the next season. Plant in drills two or three feet apart, and thin to six inches apart in the row.

CAT-MINT, or CATNIP (*Nepeta cataria*). French, *Nepeta*. German, *Katzenkraut*. A hardy perennial, well known as a valuable mild nervine for infants. The plants should be pulled up by the roots when in full flower, and dried in the shade. The seeds may be sown either in the fall or early spring, in drills twenty inches apart.

DANDELION (*Taraxacum officinale*). French, *Pissenlit*. German, *Löwenzahn*. Improved thick leaved. One of the earliest and best greens in cultivation. For this purpose sow early in the spring, on very warm, rich soil, in drills eighteen inches apart, thin the young plants five inches in the row, and cultivate well, and they will be fit for cutting the next spring. It is also grown extensively for its roots; for this purpose sow in September, and cultivate well during the fall and the following season, and the roots will be fit to dig in October.

DILL (*Anethum Graveolens*). French, *Aneth*. German, *Dill*. An annual cultivated for its seed, which has an aromatic odor, and a warm pungent taste. It is good for flatulence and colic in infants, and is sometimes added to pickled cucumbers to heighten the flavor. Sow early in spring, and keep clear of weeds.

If Our American Stock Food does not give you the desired result, let us know and we will refund you the money you paid for it.

AROMATIC,

MEDICINAL and POT HERBS—Continued

HOREHOUND (*Marrubium vulgare*). French, *Marrube*. German, *Andorn*. A perennial herb, with a strong, aromatic smell, and a bitter, pungent taste. It is a tonic, and enters largely into the composition of cough syrups and lozenges. Will thrive in any soil, but is stronger if grown on light, poor land.

HYSSOP (*Hyssopus officinalis*). French, *Hyssope*. German, *Isop*. A hardy perennial with an aromatic flavor, and warm, pungent taste. It is a stimulant and expectorant and is used in asthma and chronic catarrh. The flowering summits and leaves are the parts used. It likes a dry, sandy soil, and the plants should be thinned to twelve inches apart.

LAVENDER (*Lavendula vera*). French, *Lavende*. German, *Lavendel*. A hardy perennial, growing about two feet high. Its long spikes are used for the distillation of lavender water, or are dried and used to perfume linen. It does best in light, warm soil. The flowers should be picked before fading and dried quickly.

ROSEMARY (*Rosmarinus officinalis*). French, *Romarin*. German, *Rosmarin*. A hardy perennial, with fragrant odor and a warm, aromatic, bitter taste. May be easily raised from seed, but does not reach a size fit for use until the second season. The dried leaves deteriorate rapidly with age.

RUE (*Ruta graveolens*). French, *Rue*. German, *Raute*. A hardy perennial with a peculiar smell. The leaves are bitter, and so acrid as to blister the skin. It is a stimulant and anti-spasmodic, but must be used with great caution, as its use sometimes results in serious injury. It must not be suffered to run to seed, and does best on poor soil.

SAFFRON (*Carthamus tinctorius*). French, *Safran*. German, *Safranpflanze*. A hardy annual from Egypt, that has become naturalized in many parts of the country. Cultivated for its flowers, which are used in dyeing, and to make the cosmetic powder called *rouge*, also to adulterate the valuable European Saffron, which is the flower of the *Crocus sativus*, and has strong medicinal properties. Sow early and gather the leaves before fading, drying them in the shade.

SWEET FENNEL (*Fœniculum officinale*). French, *Fennouil*. German, *Fenchel*. A hardy perennial. The leaves are largely used in soups, fish, sauces, garnishes and salads. The seed is sometimes used in confectionary. Sow and cultivate like Anise.

SWEET BASIL. (*Ocimum basilicum*). French, *Basilic*. German, *Basilikum*. A hardy annual from the East Indies. The seeds and stems are used for flavoring soups and sauces, having the flavor of cloves.

SAGE (*Salvia officinalis*). French *Sauge*. German, *Salbei*. A hardy perennial, possessing some medicinal properties, but cultivated principally for use as a condiment; it being used more extensively than any other herb for flavoring and dressing. Sow early in Spring (four to five pounds per acre in drills) on very rich ground, cultivate often and thin the plants to sixteen inches apart. Cut the leaves and tender shoots just as the plant is coming into flower, and dry quickly in the shade. The plants will survive the winter, and may be divided. If this is done they will give a second crop superior in quality.

SWEET MARJORAM (*Origanum marjorana*). French, *Marjolaine*. German, *Marjoram*. A perennial plant, but not hardy enough to endure the winter of the North. The young, tender tops are used green for flavoring, or they may be dried for winter use. Sow in drills as early as possible and thin out the plants to ten inches.

SUMMER SAVORY (*Satureia hortensis*). French, *Sarriette annuelle*. German, *Bohnenkraut*. A hardy annual, the dried stems, leaves and flowers of which are extensively used for flavoring, particularly in dressings and soups. Culture the same as that of Sweet Marjoram.

TANSY (*Tanacetum vulgare*). French, *Tanaïsie*. German, *Wurmkrout*. A hardy perennial plant from Europe, but growing wild in many parts of the country. The leaves, when green, have a peculiar aromatic odor, which they lose in drying. Cultivated for its medicinal properties, which are those common to bitter herbs.

THYME (*Thymus vulgaris*). French, *Thym*. German, *Thymain*. This herb is perennial, and is both a medicinal and culinary plant. The young leaves and tops are used for soups, dressing and sauce; a tea is made of the leaves which is a great remedy in nervous headache. Sow as early as the ground will permit.

WORMWOOD (*Artemisia absinthium*). French, *Absinthe*. German, *Wurmuth*. A perennial plant of strong and fragrant odor, and aromatic, but intensely bitter taste. The leaves are used as a tonic and vermifuge, and also for fresh bruises. Is raised from seed and propagated by cuttings, or dividing the roots. A dry, poor soil is best adapted to bring out the peculiar virtues of this plant.

REMEMBER.—On all Orders for Seeds in Packets (whether Vegetable, Farm or Flower Seeds), the purchaser may select twenty-five cents' worth extra for each One Dollar sent us. Thus any one sending us \$1.00, can select seeds in packets amounting to \$1.25; for \$2.00, seeds in packets to the value of \$2.50; for \$3.00, to the value of \$3.75, and so on. This discount applies only to seeds in packets, purchaser's selection, and does not apply to seeds by weight or measure.



FARM SEEDS.



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

Some of the sorts found under this heading will also be found in other parts of my Catalogue, but for the convenience of my patrons I again Catalogue them under the heading of Farm Seeds as they are especially adapted to field culture.

ON ALL FARM SEEDS ADD EIGHT CENTS PER POUND IF TO BE SENT BY MAIL.

SUGAR BEETS AND MANGELS.

For stock feeding these are indispensable. No one who keeps horses, sheep or cattle should be without these roots for Winter and Fall feeding. They are rich in saccharine matter, increase largely the flow of milk, and are excellent for feeding to fattening stock.



LONG RED MAMMOTH
MANGEL WURZEL.

MANGEL WURZEL.

Sow six pounds to the acre.

GOLDEN TANKARD. Considered indispensable by the best dairy-men, owing to its productiveness and richness in saccharine matter. Deep yellow flesh and skin. $\frac{1}{4}$ lb., 15c.; lb., 40c.; 10 lbs., \$3.50.

GOLDEN YELLOW MAMMOTH. A long Mangel, resembling in form and size the Red Mammoth; flesh, leaf stalks and mid-rib of the leaves golden yellow, flesh rich in saccharine matter. This should be grown largely by all interested in dairying, as it is extremely rich in all the elements of high feeding. $\frac{1}{4}$ lb., 15c.; lb., 40c.; 10 lbs., \$3.50.

MAMMOTH LONG RED. A variety that is grown extensively by agriculturalists. It produces large roots partly above ground. $\frac{1}{4}$ lb., 15c.; lb., 40c.; 10 lbs., \$3.00.

NORBITON GIANT. An exceedingly heavy cropper, grows nearly two-thirds of its length out of the ground. Though of immense size it is easily harvested and is a valuable sort. $\frac{1}{4}$ lb., 15c.; lb., 40c.; 10 lbs., \$3.00.

RED GLOBE. A large red oval variety, which keeps well, and produces better crops on shallow soil than the Long Red. $\frac{1}{4}$ lb., 15c.; lb., 40c.; 10 lbs., \$3.00.

YELLOW OR ORANGE GLOBE. The same as the above, only differing in color. $\frac{1}{4}$ lb., 15c.; lb., 40c.; 10 lbs., \$3.00.

SUGAR CANE. A very sweet and large growing Mangel. Should be grown by stock raisers, as it is an excellent variety. $\frac{1}{4}$ lb., 15c.; lb., 40c.; 10 lbs., \$3.00.

SUGAR BEETS.

IMPROVED WHITE SUGAR. An improvement on the other varieties of Sugar Beets, more hardy and containing a greater percentage of sugar. $\frac{1}{4}$ lb., 20c.; lb., 50c.; 10 lbs., \$4.00.

LANE'S IMPROVED WHITE SUGAR. This Sugar Beet attains a large size, and grows considerably above the ground; fine for feeding. $\frac{1}{4}$ lb., 15c.; lb., 40c.; 10 lbs., \$3.50.

WHITE SUGAR. A large growing variety, excellent for stock feeding and sugar-making. $\frac{1}{4}$ lb., 15c.; lb., 40c.; 10 lbs., \$3.00.

TURNIPS.—Ruta Baga Varieties.

IMPROVED AMERICAN. (*Purple Top*). Very hardy and productive, flesh yellow, solid, sweet, good for stock or table use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.; 10 lbs., \$4.50.

SKIRVING'S PURPLE TOP. A first-rate variety, grows large and a good keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.; 10 lbs., \$4.50.

LARGE WHITE FRENCH. A superior variety for table or stock, flesh firm, white and solid. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.; 10 lbs., \$4.50.

HIGH GRADE. GRASS SEEDS EXTRA CLEAN.

I make a speciality of Grass Seeds and send out only the most useful varieties which are adapted to this country. All that I offer have been re-cleaned and will meet the views of the most critical trade. Owing to the varying bulk of Grass Seeds from season to season (owing to climatic conditions which cannot be controlled), they are always put up by me by weight and not by measure, thereby securing to my customers the amount they pay for, as prices are based on weight and not on bulk.

Prices of Grass and Clover Seeds given are subject to changes of the market, but purchasers may depend on having them at the price ruling the day of shipment, and of the best quality, and that I always send as much seed as the money received will pay for. Express or freight charges always to be paid by the purchaser, but if wanted to be sent by mail add at the rate of eight cents per pound, and fifteen cents per quart, except on light varieties, which do not weight over fourteen pounds per bushel, on which remit five cents per quart, to prepay postage, unless otherwise noted. We make no charge for sacks or drayage.

KENTUCKY BLUE GRASS. (June Grass.) Is universally known, desirable for pastures and lawns. Sow in fall or spring at the rate of two to three bushels per acre. Extra Clean Seed—Lb., 15c.; bushel, \$1.20. Fancy or Double Extra Clean—Lb., 20c.; bushel, \$2.00.

ORCHARD GRASS. Extremely hardy and widely known, one of the earliest to start in the spring, grows rapidly, furnishes an abundance of pasture during the entire season. One and one-half to two bushels per acre. Lb., 20c.; bushel, \$2.25.

RED TOP GRASS. Thrives well in almost any soil, but best in low land, and produces a very firm sod. Sow one to two bushels per acre. Lb., 15c.; 25 lbs., \$2.00.

TIMOTHY. A well-known variety. Write for latest prices. Fancy, lb., 10c.; 25 lbs., \$1.75; 100 lbs., \$6.00. Choice, lb., 10c.; 25 lbs., \$1.25; 100 lbs., \$5.00.

WOOD MEADOW GRASS. Adapted for pasture or pleasure grounds, of early growth, thrives well under trees. Sow two bushels per acre. Lb., 30c.; 10 lbs., \$2.50.

SWEET VERNAL. (Annual.) Is very fragrant, especially when bruised or cut. Mixed with other grasses for pasture it is quite valuable, as it starts early in spring and grows until late in the fall. Lb., 20c.; 10 lbs., \$1.75.

TALL MEADOW OAT GRASS. Used for soiling. It succeeds well in sandy lands, and owing to its long fibrous roots, stands cold and drought well. Sow three bushels per acre. Lb., 25c.; 10 lbs., \$1.75.

SHEEPS FESCUE. Short and dense in growth, excellent for sheep pasture, grows well on dry, sandy ground. Lb., 15c.; 10 lbs., \$1.50.

MEADOW FESCUE. Thrives in all soils, excellent for permanent pastures, starts early and is very productive. Sow one and one-half to two bushels per acre. Lb., 15c.; 25 lbs., \$2.75.

JOHNSON GRASS. This sort is a large, strong-growing grass, and succeeds well in the South. It is good for hay or pasture and stands drought well. Sow one bushel to the acre. Lb., 15c.; 10 lbs., \$1.00.

CRESTED DOG'S TAIL. Should enter in moderate quantity in permanent pasture mixtures, especially those for sheep on dry soils. Particularly suited for parks and ornamental purposes. Lb., 35c.; 10 lbs., \$3.00.

ENGLISH RYE GRASS (*Lolium Perenne*.) Very nutritious, valuable grass for meadows and permanent pastures. A rapid grower, and the most prominent grass in England. One to one and one-half bushels to the acre. Lb., 15c.; 25 lbs., \$2.50.

ITALIAN RYE GRASS. (*Lolium Italicum*.) Is a valuable European variety, adapted to any climate, and produces large and nutritive crops. Lb., 15c.; 25 lbs., \$3.00.

GERMAN or GOLDEN MILLET. Medium early, four to five feet high, close heads, numerous spikes, seeds round, of a golden yellow color. Weight per bushel, fifty pounds. Pk., 40c.; bushel, \$1.50.

HUNGARIAN. (*Panicum Germanicum*.) Is early and productive, growing two to three feet high, with an abundance of foliage and slender heads. Weight per bushel forty-eight pounds. Pk., 40c.; bushel, \$1.50.

MISSOURI MILLET. Lb., 10c.; 25 lbs., 75c.; 100 lbs., \$2.00.

BERMUDA GRASS. (*Cynodon Dactylon*.) Only suitable for the South, where the winters are not below freezing point. It is very valuable for its drouth resisting properties, it stands the hottest and driest season, and is of more than average value for stock, it being a most nutritious grass in every way. Lb., \$1.50; 25 lbs., \$35.00.

Write for Special Prices on Grass Seeds before you buy in either Fall or Spring, also for Prices of other Grasses not mentioned above.

Jerusalem Artichoke Roots.

This variety is not produced from seed. They are sometimes used as a table vegetable when pickled, but their greatest value is for feeding stock. They are remarkable for their fattening properties, great productiveness (over one thousand bushels having been grown on one acre), and ease with which they can be grown. They need not be dug; the hogs should be turned in on them, and will help themselves by rooting. One acre will keep from twenty to thirty hogs in fine condition from October until April, except when the ground is frozen too hard for them to root. They are also said to be a preventive of cholera and other hog diseases; and they are also highly recommended for milch cows, increasing the yield of milk and at the same time improving their condition. Three bushels will seed an acre. They should be cut the same as potatoes, one eye to a cut being sufficient, planted in April or May, in rows three feet apart and two feet in the rows, and covered about two inches deep. They can be shipped at any time during the season, as they are not injured by freezing. Lb., 25c., post-paid, by express or freight; pk., 50c.; ½ bushel, 75c.; bushel, \$1.50.

CLOVER SEEDS

These prices are f. o. b. St. Louis, Mo., and include bags and drayage, purchaser paying transportation charges, but are subject to market fluctuation. Should any article appear high, write for samples and lowest quotations based on daily market. **If to go by mail add 8c. per lb. for postage.**

LUCERNE, or ALFALFA CLOVER. A perennial forage plant, and when once properly seeded in suitable soil will produce fine crops for several years. It has a remarkably strong growth, occasioned by its roots penetrating the ground to a great depth, ten to twenty feet, until they are altogether out of reach of drought. Seed can be sown with any grain crop in the spring, or as a separate crop, at the rate of ten to twelve pounds to the acre. Lb., 15c.; per 100 lbs., \$12.00.

ALSIKE, SWEDISH, or HYBRID CLOVER (*Trifolium Hybridum*.) This valuable variety is the hardiest of all the clovers and is sometimes called Giant White Clover. It is a perennial, therefore adapted for permanent pastures or for hay crop. Its superior pasturage is much liked by cattle. Blossom heads round, flesh-colored, sweet and fragrant, much liked by bees. Sow six pounds per acre in spring or fall. Lb., 25c.; per 100 lbs., \$18.00.

BOKHARA CLOVER, (*Melilotus Alba*). A rapid growing white-flowered sort, excellent for bee food, for which purpose it should be largely grown. Lb., 30c.; per 100 lbs., \$20.00.

SAINFOIN, ESPARSETTE, or HOLY CLOVER (*Hedysarum Onobrychis*.) A valuable clover for the Middle and Southern states. In some sections it is considered indispensable, as it increases the flow of milk. The seeds are more nutritious than oats, and are readily eaten by fowls. Requires a calcareous soil. One hundred pounds per acre. Lb., 15c.; 100 lbs., \$10.00.

JAPAN CLOVER. (*Lespedeza Striata*). A low-branching clover that does well in the South. It thrives on poor land and produces continual herbage. Not adapted to Northern latitudes, as it is only half-hardy. Lb., 30c.; 100 lbs., \$25.00.

HONEY or BEE CLOVER. (*Melilotus Cæruleus*). This variety of Clover is very valuable to bee keepers. It will take eight to ten pounds to sow an acre. Sow in the spring. Lb., 25c.; per 100 lbs., \$14.00.

WHITE DUTCH. (*Trifolium repens*). Thrives best in damp locations, and, while not a heavy producer, is valuable in permanent pastures. In connection with Blue Grass it affords the most nutritious food for sheep and cattle. Lb., 35c.; per 100 lbs., \$28.00.

RED CLOVER. (*Trifolium Pratense*). The leading variety of clover for pastures or meadows. The seed we offer is re-cleaned and free from weeds. Lb., 15c.; per 100 lbs., \$10.00.

SAPLING or MAMMOTH CLOVER. This variety grows five to six feet high, and is used almost exclusively for plowing under for manure. Sow at the rate of eight to ten pounds per acre. Lb., 15c.; per 100 lbs., \$12.00.

YELLOW TREFOIL CLOVER (*Medicago Lupulina*). A variety with yellow flowers, of spontaneous growth. Sow in March or April, about eight to ten pounds per acre. Lb., 15c.; 100 lbs., \$12.50.

NOTE—We are Headquarters for Clover quote **SPECIAL LOW PRICES**

CRIMSON, or SCARLET CLOVER (*Trifolium Incarnatum*). A more valuable crop than this annual clover does not exist. The accompanying illustration was drawn and engraved from a plant of this popular clover. All who have sown it have been well pleased, and have sown double



SCARLET CLOVER.

the amount planted the next season. There is no clover that can be sown that is so valuable as a fertilizer. September is the best time to sow; it will germinate quickly, and by the time winter sets in will make a thick green carpet, staying green all winter, even though the ground may be frozen. In the spring it makes rapid growth, and by May will stand two or three feet high and is in full bloom, ready to turn under as green manure. For ensilage it is grand and can be cured as easily as the common red clover, being the earliest crop for this purpose. Succeeds well on any kind of soil. Bears a beautiful scarlet flower. Ten to twelve pounds are required to the acre. I handle large lots of this clover and am prepared to make low prices and furnish best of stock. Lb., 15c.; 100 lbs., \$9.00.

and Grass Seeds and will at any time **BY LETTER, on application.**

CHOICE FIELD CORN

CHAMPION WHITE PEARL. Earliest white Corn in cultivation, maturing in ninety to one hundred days, exceedingly heavy and very compact on the cob; grain long and wide. Being a medium size Corn, averaging sixteen rows of grain per ear, it can be planted thickly and at the same time bear full-sized ears. Withstands drought well, and stands up excellent against severe winds. Pk., 40c.; $\frac{1}{2}$ bushel, 75c.; bushel, \$1.50. Lower prices on large lots. Our seed is from the originator and we can guarantee its purity.

GOLDEN BEAUTY. A handsome yellow sixteen-rowed Corn, of fine shaped ears, medium hard, long, broad grains, maturing in from 110 to 120 days, and an immense yielder, with strong medium tall stalks. Pk., 40c.; $\frac{1}{2}$ bushel, 75c.; bushel, \$1.50.

ST. CHARLES WHITE. This Corn is a much liked and well known variety; ears hard, about twenty rows of grain. It is immensely productive, and matures in about 125 days; grains large and deep, cob of medium size. Pk., 35c.; $\frac{1}{2}$ bushel, 65c.; bushel, \$1.25.

GIANT WHITE NORMANDY. The largest white Corn in cultivation; vigorous grower, withstands drought well; grains very large and sound, and of pure pearl-white color; matures in about 125 days. Pk., 40c.; $\frac{1}{2}$ bushel, 75c.; bushel, \$1.50.

BLACK HAWK. When color is no objection, this is the best early Corn that can be grown, maturing in from eighty to ninety days; grains are deep red in color, of good shape and large, slightly dented cob of medium size, stalks medium high and of strong growth, resisting storms or severe rains, hail, etc.; better than any early variety in the list; a heavy yielder and easy to husk. Pk., 50c.; $\frac{1}{2}$ bushel, 90c.; bushel, \$1.75.

LEAMING CORN. The most successful early yellow Dent Corn ever introduced, the stalks grow to a medium height, not large, but thick; has but few suckers and often produces two ears to the stalk; grain long, narrow and thick, and set very close together in the rows. This Corn husks easily and matures in from ninety to 100 days. Pk., 40c.; $\frac{1}{2}$ bushel, 75c.; bushel, \$1.50.

MURDOCK'S NINETY-DAY YELLOW. Resembling Pride of the North, but not as vigorous a grower. Ears of good size, grains long and thick, cob small and red. Pk., 40c.; $\frac{1}{2}$ bushel, 75c.; bushel, \$1.50.



PRIDE OF THE NORTH. One of the best yellow Dent Corns grown, can be planted in this section as late as July 10th, and it will fully mature before frost. Ear is from seven to ten inches in length and one to two inches in diameter; grain is deep yellow in color, and of long, narrow shape, but thick; cob is very small and red. A fine corn to grow. Pk., 50c.; $\frac{1}{2}$ bushel, 90c.; bushel, \$1.75.

PROLIFIC FODDER CORN. Best variety for fodder, yielding at times as much as forty tons of green fodder to the acre. Ears long and slender, two to the stalk, matures ears in about 120 days, and yields quite a lot of grain. Pk., 50c.; $\frac{1}{2}$ bushel, 90c.; bushel, \$1.75.

POP CORN.

WHITE RICE.....per lb., 10 cents
SILVER LACE..... " 10 "
GOLDEN QUEEN..... " 10 "
 Add 8c. per pound if to be sent by mail.

SEED OATS

Sow about three bushels to the acre.

BLACK RUSSIAN WINTER OATS. Having had a very large call for a good winter oats, I have procured the best to be found. Imported from Russia about eight years ago. It stools out equal to wheat, and only requires one to one and one-half bushels per acre. Sow at same time in fall, as you sow wheat, and it ripens same as wheat, before the hot weather sets in. And in consequence produces ten to twenty bushels more per acre than spring oats. One man writes me that his crop of it is very heavy. It is very hardy, heavy yielder, rust-proof, and plump black grains, which weigh forty-two pounds per level bushel. It is very free from the ravages of the grain louse. I highly recommend it for all localities where winter oats are grown. Pk., 30c.; bushel, 32 lbs., \$1.00.

WHITE RUSSIAN. The White Russian Oats are prolific, and with ordinary cultivation will yield one hundred bushels per acre. They are extremely hardy, enduring coldest climate in the country without injury, and are absolutely rust proof. Pk., 30c.; bushel, 32 lbs., \$1.00.

EARLY BLACK CLUSTER OATS. Known also as Mammoth Cluster. These oats are the most prolific oats in cultivation, yielding on an average eighty to ninety bushels to the acre, and at times as high as 110 bushels to the acre. The Black Cluster Oats are far superior to the Black Tartarian, and can be justly called a Black Bronze Oat. At the St. Louis Fair of 1894, we took the First Premium on Black Cluster Oats in competition with nine different lots of Black Oats. Pk., 40c.; $\frac{1}{2}$ bushel, 75c.; bushel, \$1.40.

SEED OATS—Continued.

WELCOME. This variety weighs about forty pounds per measured bushel. They are claimed to be the most productive variety in cultivation, and stool heavily, with extra strong, straight straw, standing well, succeeding in a wide range of climate and under a great variety of soils and methods of culture. Pk., 30c.; bushel, 32 lbs., \$1.00.

PROBESTIER. A leading variety. It is very productive and heavy, and straw very strong. It is of Scandinavian origin, but well adapted to this climate. It ripens two to three days later than the common variety, but yields much better. Pk., 35c.; bushel, \$1.15.

WHITE CHESTER. This is a standard and most prolific variety of oats, and has made from eighty to 136 bushels per acre on ordinary land. They are early, plump grained and have thin husks. Our stock of all varieties of oats have been most carefully selected and grown for the express purpose of seed. Pk., 30c.; bushel, 75c.; 10 bushels or over at 65c. per bushel.

RUST PROOF. Can be sown in the fall the same as wheat, and can be relied on as a sure cropper, perfectly free from rust. Pk., 35c.; bushel, 32 lbs., \$1.00.

SEED RYE.

CHOICE STOCK. Bushel, 56 lbs., \$1.00.

SPRING SEED WHEAT. Prices on application.

WINTER SEED WHEAT.

Price List of the best varieties of selected Winter Wheat and other Seed Grain for fall sowing, on application.

SEED BARLEY.

Two to two and one-half bushels to acre.

SPRING. Pk., 35c.; bushel, \$1.00.

FALL. Pk., 35c.; bushel, \$1.00.

BROOM CORN.

IMPROVED EVERGREEN BROOM CORN. A particularly valuable variety of broom corn, as it does not get red in the field before cutting, but is strictly a green variety of brush, and for that reason will always command the highest price in the market. It is free from crooked brush, stands up well and grows from eight to ten feet high. It ripens early and is fine and straight. About 500 weight of broom may be raised on an acre, and the seed is worth nearly as much as oats for feed. This can be made a large paying crop to the farmer. Pk., 45c.; bushel, 48 lbs., \$1.50.

Have your neighbor to send his order with yours for seeds, he will thank you for it when he sees the results.

Please take this Catalogue with you when you go by a neighbor's next time. Show it to him and ask him to club with you in sending your order. We want your trade, all we ask is a trial order, then we know we will get it.

DWARF FIELD BEANS.

One and one-half to two bushels to an acre. If by mail add 15 cents per quart for postage.

DWARF WHITE NAVY BEANS. A standard sort for field culture. Seed white. Q.t, 15c., pk., \$1.00; bushel, \$3.00.

BOSTON SMALL PEA SOUP BEAN. Very early, hardy and prolific. The seed is white, small, round and handsome. The vine is a rank grower, with profuse foliage. Qt., 15c.; pk., \$1.00; bushel, \$3.50.

PROLIFIC TREE BEANS. Growing about twenty inches in height, branching out in all directions, bearing its pods so high that they do not touch the ground. Quart, 20c.; peck, \$1.25; bushel, \$4.00.

SEED BUCKWHEAT.



JAPANESE BUCKWHEAT.

NEW JAPANESE. Sown at the same time as Silver Hull it proves two weeks earlier, and yields twice as much. The kernels are nearly twice the size of any other Buckwheat, of a rich dark brown color and manufacture a superior flour. Owing to its branching character only one-half as much seed is required per acre, while the straw is much stiffer and stands up better. This new Buckwheat is rapidly displacing all others. Lb., 10c.; pk., 50c.; bu., \$1.50; 5 bushels and over, \$1.15 per bushel, sacks included.

SILVER HULL. Sown at the same time as common Buckwheat; this variety continues in bloom longer, and yields nearly double. The flour is whiter and more nutritious. Lb., 10c.; pk., 50c.; bu., \$1.40.

COMMON BUCKWHEAT. Qt., 15c.; bu., \$1.25.

Write for Special Prices on Large Lots

SUNFLOWER. MAMMOTH RUSSIAN.

This may be grown to great advantage by planting in waste pieces of ground, from early spring to the latter part of July, as it is an excellent and cheap food for fowls. The mammoth sized heads contains an immense quantity of seed, which is of great value to farmers and poultry breeders, and is greedily eaten by fowls, being very healthy and fattening, and will produce a lustrous plumage and strong and excellent condition generally. As an egg-producing food this variety is unsurpassed. Its leaves make very good fodder, and its strong, thick stalks are valuable for fuel. Three quarts of seed will plant an acre. Lb., 20c., post-paid, 30c.; 100 lbs., \$8.00.

FLAX. When grown for seed, sow one bushel per acre; if fibre is wanted, sow at the rate of two to three bushels. The soil should be well cultivated. Lb., 10c.; 100 lbs., \$5.00.

OSAGE ORANGE (*Maclura aurantiaca*).

Sprout the seed before sowing, then sow in rows, and when one year old transplant six inches apart, alternating the plants in double rows, cutting the plants down to the height of six inches. Manure well, and plow deep before planting. Lb., 40c.; post-paid, 50c.

We sell no Seeds unless WE KNOW they will give entire satisfaction.

OUR SPECIAL GRASS MIXTURE
FOR HAY AND PERMANENT PASTURES.



CAN BE SOWN IN EITHER SPRING OR FALL.

Our Special Grass Mixture, for hay and permanent pasture, consisting of the following and other varieties: Orchard Grass, Meadow Foxtail, Sheep Fescue, Creeping Bent, Hard Fescue, Sweet Scented Vernal (True Perennial), Meadow Fescue, English Rye Grass, Italian Rye Grass and Red Top, mixed in proper proportions, we will supply for \$2 25 per bushel (about fifteen pounds). On rich land, two bushels of this mixture is sufficient to seed an acre, but where the soil is poor more seed will be required. A fair average will be two to four bushels to the acre. The foundation of this mixture is Orchard Grass, and the addition of the several other grasses named add to its value. Orchard Grass, when sown alone, has a tendency to form tussocks or clumps, which, however can be overcome by thick seeding; the other grasses, being sown with it, fill up the vacant places between the Orchard Grass. In addition to this, the other grasses comprised in this mixture are especially suited for cattle and sheep, and by them eagerly sought for, and have special value in pasture lands for different animals. To this mixture, intended for either mowing lands or pasture (but which, on account of its greater weight, should be sown separately), is to be added about ten pounds of Mammoth or Pea Vine Clover, which is worth twelve cents per pound, and is put up in a separate package when shipping.

FORAGE PLANTS

This is a page of **FORAGE PLANTS**. Stock relish a change of food as much as do human beings, and a good appetite results in better growth. Devote a small piece of ground to some of these **FORAGE PLANTS**. Excellent for either green or dry feed. All of them have been **PROVEN GOOD**. An experiment will demonstrate which is best for any particular soil and climate.

KAFFIR CORN. One of the best things offered of late years for a forage plant. The head contain small white seeds which make an excellent flour. They are greedily eaten by horses and cattle, and make excellent food for poultry either fed in the grain or ground and cooked. Lb., 20c., by mail, 30c.; 10 lb., \$1.50.

NEW RURAL BRANCHING DHOURA (*Milho Maize*). A valuable South American forage plant. It produces a large quantity of foliage, as it branches from the joints, and will thrive even when corn is suffering from drought. It can be cut several times during the season, as it springs up again freely from the roots. If left to ripen its seeds it will bear at the rate of fifty bushels per acre. Cultivate same as corn. Lb., 20c., 30c. post-paid; 10 lbs., \$1.50.

WILD RICE (*Zizania Aquatica*), is valuable as a forage plant on inundated lands and among the shores of marshes. Cattle are fond of it when green and it makes a good hay. As an attraction for wild fowl it is invaluable. In fish ponds and lakes it purifies the water and affords a refuge for the small fry from the large fish and also furnishes them with food from the animalculæ upon its stalks. The seed should be sown in the fall in six inches to six feet of water having a soft mud bottom and where there are but few weeds. Lb., 30c., by mail, 40c.

FIELD PEAS.

CANADA FIELD PEAS. Valuable for Northern climates for cattle-feeding. Used as feed for pigeons, etc., and for green soiling. Pk., 40c.; bu., 60c.; lb., \$1.90.

CLAY COLORED. Pk., 50c.; bu., \$1.90.

SOUTHERN BLACK-EYE COW. Also known as Sand Pea, a small white variety with black eye. Sow two bushels to the acre. Pk., 50c.; bu., \$2.00.

WHIP=POOR=WILL. Pk., 60c.; bu., \$1.90.

SPRING VETCHES or TARES.

Lb., 10c.; pk., \$1.25; bushels (60 lbs.), \$4.50.

LATHYRUS SILVESTRIS. A highly valuable Forage plant of late introduction, and destined to become one of the most useful of all Forage plants. Nothing can excel it for fertilizing purposes, its roots penetrate to the depth of thirty feet or more into the soil, not affected in any way by drouth. The plant is perennial and wild plants of it are known that are sixty years old and still serviceable. It will pay you to try a patch this year, and we advise all who need a good Forage to try it. Pkt., 20c.; oz., 40c.; ¼ lb., \$1.25; ½ lb., \$2.50; lb., \$5.00.

TEOSINTE (*Reana Luxurians*). This new and gigantic fodder plant, introduced from Central America, somewhat resembles Indian Corn, and gives promise of soon becoming the leading forage plant in this latitude and the South. It produces a great number of shoots, growing twelve feet high, thickly covered with leaves, and yielding such an abundance of forage that one plant is considered amply sufficient to feed a pair of cattle twenty-four hours. As a soiling or fodder plant in the South, it surpasses either corn or sorghum, and in the extreme South is a perennial. The leaves are long and broad, and the stalk full of sweet sap. Oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

CANE OR SORGHUM.

EARLY AMBER SUGAR CANE. This is the favorite variety for the North. It can be cultivated in almost any section of the country, as it is early and most vigorous in growth, reaching generally twelve feet in height and standing well up. The seed is very nutritious and valuable for horse or cattle food, and is greedily eaten by poultry, much increasing their egg production. Also an excellent ensilage or fodder plant. It has been raised with great success as far North as St. Paul, Minn., and will yield all the way from 150 to 280 gallons of syrup per acre. Lb., 10c.; 100 lb., \$6.00.

EARLY ORANGE SUGAR CANE. This is the most popular variety grown in the South and is undoubtedly best adapted to that climate. Lb., 10c.; 100 lbs., \$5.00.

JERUSALEM CORN belongs to the non-saccharine sorghums. It grows about three feet high, makes one large head on main stalk, and several smaller heads on side shoots, often as many as eight heads on one one stalk. The grains are pure white and nearly flat, three pounds of seed being sufficient to plant an acre. Claimed to be one of the best and surest grain crop for dry countries and seasons. Large pkt., 10c.; lbs., 30c., post-paid. By express or freight, 100 lb., \$6.00.

BROWN DHOURA CORN has yielded two hundred bushels of clean grain per acre. This variety is highly valued because of its certainty to produce heavy crops on poor, dry soil. The grain is superior food for fowls, and as good as wheat or barley for horses. As forage, the stalks are eaten greedily by cows and sheep. Large pkt., 10c.; lb., 30c., post-paid. By express or freight; 100 lbs., \$6.50.

FIELD LUPINS.

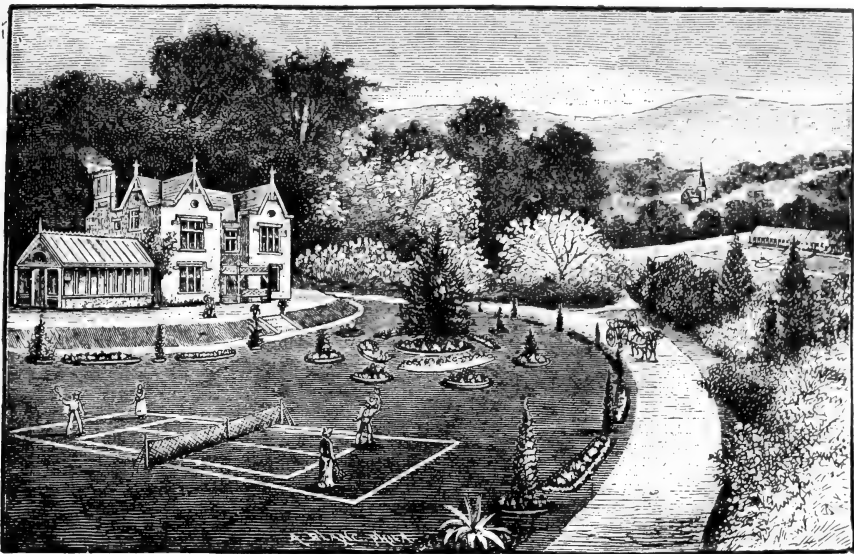
YELLOW. Lb., 10c.; pk., \$1.25; bushel, 60 lbs., \$4.50.

WHITE. Lb., 10c.; pk., \$1.15; bushel, 60 lbs., \$4.25.

BLUE. Lb., 10c.; pk., \$1.25; bushel, 60 lbs., \$4.50.

Few things are more expensive in the end than buying and planting cheap Seeds.

Tower Grove Park Lawn Grass.



Per Pound, 25c. ; Peck, 95c. ; bushel, \$3.00.

This grass is composed exclusively of the very best varieties of grass, such as long experience has shown to be the best adapted to produce a thick, heavy, carpet-like lawn. In this mixture we use only the very best re-cleaned seed and we can guarantee that for purity and germination, it is equal to any variety sold under any name. One of the greatest troubles in obtaining a good lawn is to get it free from weeds. These, while not always in the seed, are quite often in the ground, or come from the use of stable manure. Our customers can rely in buying the Tower Grove Park Lawn Grass of its being the very purest seed obtainable and entirely free from any foreign seeds. The quantity required for making new lawns is five bushels per acre, or for renovating old lawns two to three bushels. For a space fifteen by twenty, or three hundred square feet, one pound is required for new, or half-a-pound for renovation. There are two ways of forming a lawn—by turfs, and by sowing the grass seeds. If good turfs can be had the lawn may be formed very quickly. But the making of a lawn by transplanting the sods is at best a laborious and expensive method, and, in many cases, is absolutely impossible on account of there being no good turf in the neighborhood. A good lawn can be had in from ten to twelve weeks by sowing the grass seeds, and the final results will be the most satisfactory.

The best time to sow is early in Spring, as the moist weather then experienced is favorable to the quick germination of the seed, and gives the young plants a chance of being established before the Summer comes with its burning heat. The next best time is in September and October, as the weather is then comparatively cool, and sufficient growth may be made to establish the plants before the approach of winter. Sow thinly and evenly, selecting a calm day for the purpose, and cover the seeds lightly with a wooden rake. After the grass is well up, a moderately heavy roller may be passed over it to firm the surface.

During the season frequent mowing and watering will be necessary. A good supply of water is very important, as the fierce heat during the summer is apt to burn the grass out. The best time to water is in the evening or early morning, and the application should be copious: a slight sprinkling will do very little good.

We want your money, but we intend to give you in return for it full value in
RELIABLE SEEDS.

FLOWER SEEDS

ANNUALS

And Other Flowers Blooming the First Year from Seed.

In this department we include not only Annuals that bloom and die the first year, but also those Perennials that flower freely the first year from seed. Upon this class of plants the garden is dependent for many of the brightest, most showy and beautiful flowers, and consequently we have taken special care in the growth and selection of the choicest seed. We have this year transferred to the following pages many novelties of recent introduction and of real beauty.



ON all ORDERS FOR SEEDS IN PACKETS the purchaser may select **TWENTY-FIVE CENTS' WORTH EXTRA** for Each **ONE DOLLAR** sent us. Thus any one sending **\$1.00** can select seeds in packets amounting to **\$1.25**; for **\$2.00**, seeds in packets to the value of **\$2.50**, and so on.

- ABRONIA.** Charming trailing annuals, height, nine to eighteen inches, flowering freely in large Verbena-like trusses, very fragrant. They succeed well in the garden border, in beds, rock work or baskets. PER PKT.
- 100 **Arenaria**..... 5
- 101 **Umbellata.** Rosy pink..... 5
- AGERATUM.** Annuals, bearing in profusion clusters of feathery flowers, suitable for pot culture in winter or bedding out in summer, flowering continually and profusely. Two feet high.
- 102 **Blue**..... 5
- 103 **White**..... 5
- 104 **Mixed**..... 5
- TOM THUMB AGERATUM.** Splendid very dwarf variety for edgings and ribbon lines; covered with flowers until frost; height, three-quarter foot.
- 105 **Tom Thumb.** Blue. A beautiful variety, bearing large trusses of flowers in such abundance as to almost cover the plant... 5
- ALYSSUM.** This old favorite should be largely used in every garden. It is of easiest culture, and its fragrant flowers are produced all summer.
- 106 **Sweet Alyssum.** White, in clusters. Oz., 30c..... 5
- 107 **Benthami Compactum.** More dwarf and compact, known as Tom Thumb Sweet Alyssum..... 5
- AMARANTHUS.** Very ornamental plants, some remarkable for large panicles of showy flowers and others for the brilliant range of colors in the leaves.
- 108 **Caudatus** (*Love-lies-bleeding*). Long red panicles..... 5
- 109 **Princess of Wales.** Foliage beautifully blended..... 5
- 110 **Splendens** (*Rainbow Plant.*) Inner foliage of a very dark blackish-bronze, tipped with green; the outer foliage where exposed to the light is an intense flaming crimson and shining gold, while some of the leaves comprise crimson, gold, bronze and green. 5
- 111 **Salicifolius** (*Fountain Plant*). Willow-like foliage..... 5
- 112 **Tricolor** (*Joseph's Coat*). Yellow, red, green 5
- 113 **Mixed.** All kinds..... 5
- ANTIRRHINUM** (*Snap Dragon*). Those who have cultivated only the old fashioned, faded Snap Dragon have no idea how bright and beautiful these new and improved varieties are. They are easily raised from seeds, make a gorgeous bed on the lawn, and if freely cut they bloom incessantly throughout the season. Our mixtures contain all the new and choice colors, including the beautifully striped, variegated and margined.
- 114 **Tall varieties.** Mixed..... 5
- 115 **Dwarf varieties.** All colors mixed..... 5
- 116 **Anagallis.** Low-growing plants, with remarkably bright and handsome flowers; mixed varieties..... 5
- ABUTILON.** (*Flowering Maple*). Although universally admired, comparatively few are aware how easily Abutilons can be raised from seed and how beautifully they flower all summer the first season. To get them in bloom early the seed should be started in the house and the young plants set out in the garden when the weather is warm and settled. They grow rapidly, bearing a rich profusion of the elegant, bell-shaped flowers. A splendid house plant, blooming freely in winter.
- 117 **Prize.** Mixed. Embracing the most elegant colors, both selfs and streaked and veined. 15
- 118 **ADONIS Æstivalis.** The *Flos Adonis* has fine, pretty foliage, with bright-scarlet flowers..... 5
- 119 **AGROSTEMMA Cœli rosa** (*Rose of Heaven*). Abundant bloomer, with deep rose flowers, very pretty in masses..... 5
- ALONSOA** (*Mask Flower*). Free-flowering bedding plant, with handsome flowers, in bloom until frost.
- 120 **Grandiflora.** Bright scarlet, one and one-half feet..... 5
- 121 **Linifolia.** Orange scarlet, one and one-half feet..... 5

ASTERS.

Not only the most popular, but the most effective in the entire list, while most easy of culture, there is no flower which combines so much beauty and variety of color and shape and habit as the modern Aster. For a late summer or fall display they have no successful rival. Give them a rich soil, and in hot, dry weather they should be mulched and well watered.



GLOBE FLOWERED ASTER.

TRUFFAUT'S PÆONY PERFECTION ASTER.

A very favorite type. Thrifty, upright plants, large, fine flowers, with long incurved petals. The florists' aster and one of the finest. PER PKT.

- 122 Pæony Perfection. Finest mixed..... 5
- 123 " " Satin white..... 5
- 124 " " Crimson..... 5
- 125 " " Dark blue..... 5

DWARF CHRYSANTHEMUM FLOWERED ASTERS.

Plants only 10 to 12 inches high, producing flowers of the largest size and choicest colors.

- 126 A. Chrysanthemum Flowered. Mixed.... 5
- VICTORIA ASTERS.** A magnificent race of Asters. The colors include many delicate and some gorgeous shades, flowers very double and four inches across and from twenty to thirty in a single plant, fifteen to eighteen inches high.
- 127 A. Victoria. Choice mixed..... 5
 - 128 " " Pure white..... 5

GERMAN QUILLED ASTER. Flowers composed of tube or quill-shaped petals. Very beautiful with a great variety of colors.

- 129 German Quilled. Mixed..... 5
- 130 " " Pure white..... 5
- 131 Chinese Asters. Choice mixed. Twelve sorts..... 5
- 132 Dwarf Bouquet. A most charming class, of compact habit, only six to eight inches high. Each plant is covered with handsome flowers and looks like a bouquet set in the ground. Fourteen colors..... 5

- 133 Globe Flowered. Best German mixed,.... 5
- 134 White Plume Aster. New. A grand Aster having large, plume-like flowers, cream white in color and lasting a long time....10

FOR 50 CTS. we will send, post-paid, a collection of all the Asters offered above. One packet of each.

ASPERULA. A hardy dwarf annual, with clusters of small, sweet-scented flowers, lasting a long time while in bloom, fine for bouquets. One foot. PER PKT.

136 **Odorata.** (*Sweet Woodruff*). Chief ingredient in the "Maitrank," or May wine of the Germans. The dried flowers and leaves have a delicious perfume, and impart an agreeable perfume to clothes, etc., when kept among them..... 5

BALSAM. (*Lady's Slipper*.) An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored double flowers in the greatest profusion, of easy culture, succeeds in a good, rich soil.



BALSAM PERFECTION.

- 137 Balsam Double White. Oz., \$1.00..... 5
- 138 Balsam, Double Perfection. Very double, immense, solid round flowers. Oz., \$1.50..10
- 139 Balsam, Double Camellia Flowered. Finest mixed. Oz., \$1.00.....10
- 140 Balsam, Double Mixed. Occasionally semi-double. Oz., 50c..... 5
- 141 Balsam, Double. Collection of six colors. 50
- 142 Balsam, Double Scarlet (*King*)..... 5
- 143 " " Pink (*Maiden's Blush*)... 5
- 144 " " Solferino. Striped and spotted..... 5
- 145 **BARTONIA.**—*Aurea*. One of the most showy of our hardy annuals. The plants grow eighteen inches to two feet high, with thistle-like, downy leaves, commence to flower early and bloom continuously throughout the summer; the large, saucer-shaped flowers, two and one-half inches across, are of a bright metallic yellow, and intensely brilliant..... 5
- 146 **BRACHYCOME.**—*Iberidifolia* (*Swan River Daisy*). Very effective dwarf-growing plants, covered for months with a profusion of single daisy-like flowers, blue and white mixed, one-half foot..... 5
- 147 **BROWALLIA.** Handsome plants, eighteen inches tall, with shining green foliage and bright blue and pure white flowers, mixed. 5

You should try Dickmann's Giant Summer Cabbage for an early crop. It will be sure to pay you. See page 19.

Our One Dollar Collection of Plants always pleases the ladies.

- BEET.—Ornamental Foliaged.** The large, growing varieties of the Chilian Beet are very attractive as the center of the circular beds surrounded by the *Dracæna Leaf Beet*, *Nasturtiums*, and other dwarf plants. PER PKT.
- 148 **Scarlet Ribbed Chilian.** Immense leaves, of indescribably rich crimson bronze, with mid-ribs of shining scarlet. Oz., 15c... 5
- 149 **Yellow Ribbed Chilian.** Leaves greenish-yellow, with deep golden-yellow mid-ribs. Oz., 15c..... 5
- 150 **Dracæna Leaf.** Entirely unique, its ornamental, dark red, lustrous leaves resembling the *Dracæna*, very rich and beautiful for borders. Oz., 15c..... 5

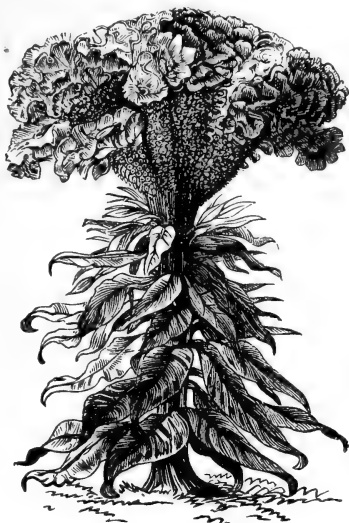


DOUBLE DAISY.

- BELLIS (Double Daisy).** Daisies are easily raised from spring-sown seed, and come into flower in a very short time. Among the most charming spring flowers, they are most indispensable for cool, shady places. With protection they will stand the winter.
- 151 **Fine German Double Mixed.**..... 5
- 152 **Extra Double White.** Fine..... 5
- CALENDULA.** The old pot "Marigold." Are really of remarkable beauty, deserving a place in every garden.
- 153 **Double Mixed (Pot Marigold.)** Oz., 15... 5
- 154 **Meteor.** Perfectly double and beautifully striped cream color, edged with orange. Oz., 20c..... 5
- 155 **Prince of Orange.** Large, deeply imbricated flowers, pale straw yellow, striped with a most intense shade of orange. Oz., 25..... 5
- 156 **Convolvulus Minor.** The *Dwarf Morning Glory* is a beautiful plant of trailing habit, and is a perfect mass of bloom..... 5
- CANDYTUFT.** Among the most useful of hardy annuals. Perfectly hardy, and produces its neat clusters of flowers very freely.
- 157 **White.** Oz., 20..... 5
- 158 **Rocket.** Spikes of white flowers. Oz., 20.. 5
- 159 **Dark Crimson**..... 5
- 160 **New Carmine.** The richest in color..... 5
- 161 **Mixed.** Including above varieties. Oz., 20.. 5
- 162 **CHRYSANTHEMUM.** (*French Marguerites*, or *Painted Daisies*.) These annual *Chrysanthemums* have no resemblance whatever to the perennial varieties, also so popular, but have a distinct beauty. The plants grow twelve to eighteen inches high, and produce on long stems beautiful large flowers of many bright colors, having the appearance of being laid on with a brush..... 5

- PER PKT.
- 163 **NEW DWARF CANNAS.** These new dwarf ever-blooming, large flowering French *Cannas* bloom freely the first year from seed. They are much less expensive and incomparably more beautiful for bedding than the best *Geraniums*. In fact, we cannot recall any other plants that have ever given us such satisfaction in masses or in beds, while even single specimens are most attractive in the garden. The roots can be kept in the cellar over winter, and each clump will give six to eight good roots for planting out in the following spring. The *Mixed Seed* we offer has been saved from the finest varieties of all colors. Oz., 60c.; 3 pkts., 25c..... 10
- 164 **Calandrinia Grandiflora.** Very beautiful dwarf growing annual for the flower garden; in the sunshine the large rose colored flowers expand into a perfect blaze of beauty..... 5
- 165 **Cacalia (Tassel Flower).** Small tassel-like blooms, often called *Flora's Paint Brush*, gracefully borne on long stems; useful for cutting, bright scarlet and yellow mixed.. 5
- CENTAUREA (Blue Bottle, or Bachelor's Button.)** One of the most attractive of all hardy annuals, the graceful beauty of its old-fashioned flowers being universally admired. A hardy annual of the easiest growth, and flowers freely and continuously, height two to three feet, flowers excellent for cutting.
- 166 **Cyanus.** Mixed. Including dark and light blue, purple, pink, rose, white, etc. Oz., 25c..... 5
- 167 **Mascuta, or Sweet Sultan.**..... 5
- 168 **Clarkia.** Very free flowering, flowers white with brilliant carmine center..... 5
- 169 **Mixed.** Double and single varieties..... 5
- 170 **CHRYSANTHEMUM.—Double, Coronarium mixed.** White and yellow, double flowers..... 5
- 171 **Sulphureum fl. pl.** Produces numerous very pretty, double flowers, of a rich lemon color..... 5
- 172 **CASTOR OIL BEAN.** See *Ricinus*..... 5
- CALLIOPSIS.** Very handsome and showy plants, with numerous flowers of brilliant colors and of long duration in bloom. Of the easiest culture, they require no care and thrive in any garden.
- 173 **Drummondii (Golden Wave).** Bushy, compact plants, covered all summer with bright golden flowers, two inches across, each distinctly marked with dark brown center. Oz., 20c..... 5
- 174 **Mixed.** All varieties and colors. Oz., 20c.. 5
- CELOSIA (Cockscomb).** Quite easy to grow and certainly one of the most showy and brilliant of annuals. The combs of the best varieties often grow a foot or more across the top.
- 175 **FOR 35 CTS.** we will send, post-paid, a collection of assorted *Cockscombs*, fall varieties, in this list, one packet each.
- 176 **Fire-Feathered.** The plant grows three feet high, and the main stems puts forth thirty to thirty-five branches, each crowned with a feathery flowery head of an intense fire color..... 5

177 **PREMIUM COCKSCOMB.** This is the best dwarf-growing Cockscomb we have, are firmly set in the crown, with well-balanced, large heads, two to twenty inches across. They grow very uniform and present an unusually solid effect in color, which is a rich ruby-red of extreme brilliancy. 3 pkts., 25c..... 10



COCKSCOMB.

178 **Dwarf Golden Rose.** Large combs of bright rose, marked with a stripe of clear golden yellow 5
 179 **Empress.** Mammoth, bright purple combs. 5
 180 **Glasgow Prize, or Tom Thumb.** A fine dwarf variety, dark leaves and crimson combs..... 5
 181 **Dwarf Mixed.** Various shades of red..... 5
 182 **Gold Feathered.** This is in all respects like The Fire Feathered Celosia, except that the feathered flower heads are of a bright golden-orange color..... 5
 183 **Feathered Varieties, Mixed.** Oz., 50c.... 5
 184 **CREPIS Rubra (Hawkweed).** Rosy, double flowers 5
 185 **CUPHEA Miniata.** A pretty little half-hardy annual, bearing numbers of curiously-shaped flowers, of a bright vermilion scarlet, with violet center.. 10
 186 **CINERARIA Maritima (Dusty Miller).** Very ornamental for bedding and as a decorative plant. Of dwarf, compact habit, with a handsome silvery-white foliage; can be grown very easily from seed. A beautiful plant for decorative purposes..... 5
 187 **COLLOMIA Coccinea.** Numerous heads of fine red flowers, somewhat like a Bouvardia..... 5

COSMOS Hybridus. Of very rapid growth, and make large bushes, fully five feet high, which are a mass of elegant foliage until they bloom in August. From September until November each plant is covered with hundreds of showy blossoms, two inches in diameter. The flowers resemble single Dahlias, and are pure white, flesh color, charming light pink, and deep rose in color, each with a bright yellow center. They are very easily raised and they make a grand display.

PER PKT.

188 **All Colors.** Mixed..... 5
 189 **Pure White.** Large, pure white flowers, extremely beautiful; very valuable for florists 5
 190 **Pure Pink.** Beautiful large flowers of a clear, delicate pink color..... 5
 191 **CYNEGLOSSUM (Venus Navelworth)...** 5
DATURA (Angel's Trumpet or Sweet Nightingale). Very showy, large-branching plants, growing three to five feet high, bearing immense trumpet-shaped flowers, six inches in length and very fragrant. They bloom freely from seed sown in the open ground the first season, but the roots can be taken up and kept over winter the same as Dahlias.
 192 **Wrightii.** Large, single, white flowers... 5
 193 **Fastuosa, fl. pl.** Large, double white.... 5
 194 **Fastuosa, fl. pl.** Double purple..... 5
 195 **Mixed.** Seeds of all the above..... 5

DIANTHUS (PINKS). The China and Japan Pinks are deservedly very popular, as few flowers can equal them in beauty and profusion of bloom. They comprise many distinct and most beautifully marked varieties, of rich and varied colors. They bloom continually all summer and fall, until severe frost, they live over winter and bloom finely again the second season. They are alike ornamental in the garden and for bouquets. Plants ten to fifteen inches high, and are of the easiest cultivation.

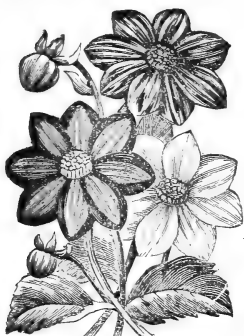
196 **Chinensis (Double Chinese Pinks).** Clusters of small double flowers, finest mixed. Oz., 50c..... 5
 197 **Chinensis albus, fl. pl.** Double white.... 5
 198 **Diadematus, fl. pl. (Double Diadem Pink).** Marked like the original Chinese Pinks, very double, large flowers, magnificent in color and variety..... 5
 199 **Heddewiggii, Finest Single.** Mixed. Flowers two to three inches in diameter. Oz., 75c..... 5
 200 **Heddewiggii, fl. pleno.** Finest double mixed, in great variety, extra choice. Oz., 75c..... 5
 201 **OUR OWN MIXTURE** of all the above splendid varieties. ½ oz., 35c.; oz., 60c.. 5

Slug Shot is sure death to all insects that injure the garden and field crops.

MARKET GARDENERS who buy seeds in large quantities are requested to write for **WHOLESALE PRICES.** While the prices quoted in this Catalogue are very reasonable, yet frequently we have orders for large quantities of certain seeds (such as Onion, Cabbage, Carrot, Cucumber, Melon, Radish, Turnip, etc.), and the purchaser naturally expects to buy at a price lower than that charged for a single pound.

You don't "TRY OUR SEEDS," we try them, before you get them.

DAHLIAS. Every one knows and admires the Double Dahlia, but comparatively few are aware that it can be grown so easily from seed and flowers so beautifully the first season that the purchase of bulbs is a needless expense. We offer the choicest seed, that, if sown in the spring, will give a magnificent display of the brightest colors by August. PKR.



SINGLE DAHLIA.

202 **Choice Mixed Pompon.**.....10

203 **Mixed.** Single sorts. 5

204 **ESCHSCHOLTZIA**, (*California Poppy*). Mixed. Flowers yellow, orange and white, leaves finely cut, height, ten to twelve inches, very showy. 5

205 **EUPHORBIA Marginata** (*Snow-on-the-Mountain*). A hardy annual, growing two feet high, with beautiful foliage, elegantly veined and margined with white, very showy. Oz., 25c..... 5

EGG-PLANT. Not edible. Ornamental, fruit-bearing plants, growing freely in rich, light, warm soil.

206 **White-fruited.** Egg-shaped..... 5

207 **Scarlet-fruited.** Handsome, dark-green foliage..... 5

208 **ERYSIMUM Hedge Mustard.** Hardy annual, sweet scented, good for bouquets, etc..... 5

209 **FORGET-ME-NOT.** See *Myostosis*..... 5

210 **FOUR-O'CLOCK.** See *Marvel of Peru*.... 5

GAILLARDIAS. Although long neglected, the single Gaillardia, or *Blanket Flower*, has lately come into well-deserved popularity. Of magnificent size and wonderful profusion, the flowers are greatly admired for their fine forms and rich blending of colors, while they thrive well everywhere.

211 **Mixed colors.**..... 5

212 **GILIA.** Mixed. All varieties. Good for cutting, of dwarf habit, will bloom almost anywhere..... 5

213 **GAILOLEPIS Tagetes.** Of compact growth, with fern-like foliage and bright-yellow, daisy-like flowers..... 5

214 **GODETIA Albemarle.** Plants compact, profusely covered with rosy-carmine flowers. 5

215 **Fine mixed.** Many varieties. Oz., 25c.... 5

216 **GYPSOPHILA Elegans.** A mass of the finest little leaves and branches, covered with tiny, white flowers. Useful for bouquets, its delicate sprays imparting a light appearance..... 5

217 **HELIANTHUS** (*Sunflower*). **The Dahlia.** Produces numerous bright golden-yellow flowers, which are generally perfectly double..... 5

218 **Mammoth Russian.** Very large. Oz., 10c.. 5

219 **Primrose.** Small sunflower of trim appearance..... 5

HELIOTROPE. Every one loves the delightful fragrance and beauty of the Heliotrope, but very few are aware of the fact that it can be raised from seed as easily as Verbenas. From seed sown in the open ground the plants will flower in August, while a fine display can be had earlier by starting the seed in the house and setting out plants when the weather is warm. PKR.

220 **Choice mixed.** Many varieties..... 5

221 **Dark Bouquet.** The large flower heads are intensely dark, of the deepest blue in color and most deliciously fragrant. It comes true from the seed..... 5

222 **HIBISCUS.** Hardy annual, with large, showy flowers, very ornamental.....10

223 **ICE PLANT** (*Mesembryanthemum crystallinum*). Fine for vases, singular icy foliage. 5

224 **JACOBÆA ELEGANS.** Double mixed, an old favorite for flower borders, continuously in bloom and useful for cutting, one foot high..... 5

LARKSPUR. Well-known annuals of great beauty, and noted for richness of their colors.

225 **Double Dwarf Rocket.** Finest mixed. ... 5

226 **Tall Rocket.** Double mixed..... 5

227 **Emperor Larkspur.** Really splendid, a single plant having fifty or more erect spikes of flowers..... 5

228 **LINARIA Bipartita splendida.** A very attractive, free-flowering, hardy annual, heads of handsome purple flowers, resembling the snap-dragon..... 5

229 **LINUM Grandiflorum rubrum** (*Crimson Flax*). One of the most beautiful annuals known. Valuable for bedding..... 5

LOBELIA. Very dwarf plants, growing four to six inches high and forming dense masses of flowers. Of easy culture, and well adapted for bedding, edging, pots or rockeries.

230 **Erinus compacta.** Deep, rich blue. ½ oz., 75c..... 5

231 **Erinus compacta alba.** White. ½ oz., 75c. 5

232 **Erinus Crystal Palace.** Dark blue, splendid. 5

233 **Finest mixed varieties.** Oz., 50c..... 5

LYNCHNIS (*Burning Star*). Grand, hardy perennials, which grow and bloom from the same roots, year after year, requiring no protection. The will flower freely the first year if the seed is sown early.

234 **Chalcedonica.** Intensely bright scarlet.... 5

235 **LOVE-IN-A-MIST.** See *Nigella*..... 5

236 **LUPINUS Subcarnosus.** (*The Deep-Blue Lupin*). Its neatly cut, lively green foliage carpets the ground, from which are borne upright, on stems six to eight inches long, lovely spikes of the deepest sea-blue flowers, delicately fragrant... 5

237 **Mixed.** All annual varieties..... 5

MALOPE. This old hardy annual is a favorite wherever known, as few plants produce more beautiful flowers. The plants grow eighteen to twenty inches high, and bear large single flowers.

238 **Grandiflora mixed.** Crimson, rose and white..... 5

You don't "TRY OUR SEEDS," we try them, before you get them.

MARIGOLD. The African varieties are stronger in habit, and produce larger flowers than the French. PER PKT.

239 **African Double.** Mixed. All varieties.... 5

240 **French Double Dwarf.** Mixed colors, of compact habit, numerous bright flowers.. 5

MARVEL-OF-PERU (*Mirabilis*.) The Marvel-of-Peru, or Four-o'clock, is as easily grown as a weed, and is one of the most brilliant and showy of annuals. Planted in beds or masses, their compact growth, rich, glossy leaves, together with their profusion and diversity of bloom, present a gorgeous sight during the afternoon.

241 **Marvel of Peru.** Mixed, all colors. Oz., 15c, 5

242 **MATRICARIA** (*Feverfew*). **Eximia fl. pl.** Extremely beautiful plants, twelve inches high. Grows freely in any soil and bears numerous, perfectly double, pure white flowers, one inch in diameter..... 5

MEDICAGO. These plants are grown for their curiously shaped seed pods—being of most peculiar shapes.

243 **Acutellata** (*Snails*). Flowers small, yellow, 5

MATHIOLA (*Sweet-scented Stock*.) A charming hardy annual, which, sown early, begins to flower in June, and bears a great profusion of fragrant flowers.

244 **Bicornis.** Light lilac-pink, very sweet ... 5

245 **Martynia fragrans.** Fine summer blooming garden plants, with large crimson Gloxinia-like flowers, followed by curiously horned fruits, one and a-half feet.. 5

246 **Mixed Varieties**..... 5

MIGNONETTE. The Mignonette is a universal favorite on account of its sweet and delicate fragrance. The seed should be scattered liberally in sunny situations. The flowers of some of the newer varieties, described below, are of wonderful perfection.

247 **Reseda odorata, Sweet Mignonette.** Oz., 15c..... 5

248 **Odorata grandiflora ameliorata.** Oz., 20c, 5

249 **Giant Pyramidal.** Very fine, large flowers of compact, pyramidal habit. Oz., 35c... 5

250 **PURE MATCHET.** Of vigorous, pyramidal growth, with very thick, dark-green leaves, numerous stout flower stalks, bearing massive spikes of deliciously scented reddish-gray flowers, of great substance. ½ Oz., 50c.....10

251 **Golden Queen.** Very fine new variety, with flowers of a golden hue, highly effective, of dense, pyramidal habit. Oz., 40c..... 5

252 **Mixed.** Including many varieties. Oz., 25c., 5

MIMULUS (*Monkey Flower*). Tender-looking plants, with singularly shaped and brilliantly colored flowers, blotched and spotted in every conceivable manner. Excellent for baskets or vases, while they thrive well in the garden if planted in partial shade.

253 **Tigrinus.** Fine hybrid varieties, mixed... 5

254 **Tigrinus grandiflorus.** Very large-flowered new tigered and spotted varieties, most beautiful10

255 **Moschatus** (*Musk Plant*). Leaves musk-scented..... 5

MYOSOTIS (*Forget-me-not*)- These charming little favorites succeed best in damp, sandy situations, but thrive well in almost any soil PKT.

256 **Palustris** The true marsh, Forget-me-not, small, blue flowers..... 5

257 **Alpestris.** Blue, dwarf, free-flowering... 5

258 **Alpestris alba.** White, height, six inches.. 5

259 **Semperflorens.** Blue, a dwarf variety, flowers from early spring until the autumn very fine10

TOM THUMB NASTURTIUMS.

The improved Dwarf or Tom Thumb Nasturtiums are unrivaled in beauty and effect. When planted in poor soil, they flower most profusely and remain long in bloom. We recommend a liberal use of the seed, in variety.

260 **Tom Thumb Beauty.** Yellow and scarlet.. 5

261 **Palace Gem.** Sulphur, spotted maroon... 5

262 **Lady Bird.** Its striking flowers are produced in profusion throughout the summer. The ground color of the flowers is rich golden-yellow, each petal barred with a broad vein (starting from the base) of bright ruby crimson. Oz. 25c..10

263 **Tom Thumb Varieties.** Mixed. Including the above and other choice colors. Oz., 15c.; ¼ lb., 40c.; lb., \$1.25..... 5

NEPHOPHILA (*Love Grove*). Of neat, compact habit, blooming freely all summer. If thinned to four inches apart the plants will present a dense mass.

264 **Mixed.** Many rich, bright colors..... 5

NIGELLA (*Love-in-a-Mist*). Very showy in foliage, flowers, and seed pods. The pretty flowers are surrounded by a delicate wreath of fine, mossy, green fibers.

265 **Damascena, Double.** Mixed. With finely cut leaves and curious blue and white flowers 5

266 **Dwarf Double.** Of compact, neat habit of growth. A little gem, with white and blue flowers 5

267 **NICOTIANA Affinis.** Produces splendid pure white, Bouvardia-like flowers on long terminal tubes. When its large flowers are fully expanded in the evening and morning it has a most striking effect, and is so fragrant that a small bed will perfume the whole surrounding atmosphere. Taken up in the fall, cut back, and potted, it will bloom freely all winter 5

268 **NOLANA.** Mixed. Very pretty trailing plants for rock-work, hanging baskets, flower borders, etc. Flowers resemble the Dwarf *Convolvulus*..... 5

269 **GENOTHERA** (*Evening Primrose*). **Acaulis alba.** Saucer-shaped, silver-white flowers, of enormous size, very striking and fragrant 5

270 **Drummondii.** Very large, bright-yellow flowers 5

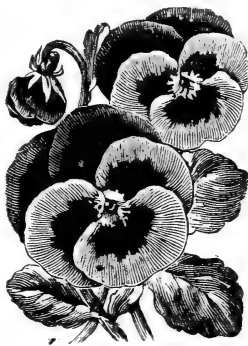
271 **OXALIS.** Exceedingly free-flowering little plants with lively foliage, and entirely covered with bright flowers from June until September. Very useful for edgings, as they form an even and pleasing border 5



PRIZE MIXED PANSIES.

PANSIES. Pansies are the most popular of all flowers grown from seed. It is needless to say anything in praise of such a universal favorite. It is everywhere popular, both for the brilliant beauty of its flowers and the long continuation of bloom. Pansy seed is a specialty, and we have not only a large collection of varieties, but also the very best seed of each variety.

272 **Giant Odier.** The flowers, of immense size, are of the popular Odier type, being all three-spotted or five-spotted on back-grounds of very rich colors, the flowers are of good substance and fine form, plants are of neat, compact growth. $\frac{1}{8}$ oz., 85c.; oz., \$6.00; pkt., 15c.



GIANT ODIER.

PEK PKT.

273 **Odier, or Blotched.** Superb, large-eyed flowers of very good shape, and beautifully blotched with rich and varied colors. $\frac{1}{8}$ oz., 60c.; oz., \$4.00..... 10

274 **Pheasant's Eye (Rainbow).** Upper petals sky-blue, edged with violet, the lower petals are mostly purple, sometimes on a white, sometimes on a yellow ground, marbled and spotted. $\frac{1}{4}$ oz., 50c.; oz., \$1.50..... 5

275 **Prince Bismarck.** Beautiful shades of brown and golden-bronze marbled. $\frac{1}{4}$ oz., 50c.; oz., \$1.50..... 5

276 **Snow Queen.** Flowers of a delicate pure satiny-white. $\frac{1}{4}$ oz., 50c.; oz., \$1.50... 5

277 **King of the Blacks, or Faust.** Flowers intensely black, almost coal-black. $\frac{1}{4}$ oz., 40c., oz., \$1.25..... 5

278 **Lord Beaconsfield.** Large flowers of deep purple violet, shading off in the top petals to a white hue, highly effective. $\frac{1}{4}$ oz., 40c.; oz., \$1.25..... 5

279 **Emperor William.** Flowers of a splendid ultramarine blue, with a well-defined purple-violet eye. $\frac{1}{4}$ oz., 40c.; oz., \$1.25.... 5

280 **Dark Purple.** Rich, deep color. $\frac{1}{4}$ oz., 40c. 5

281 **Silver-edged.** Dark purple, white border.. 5

- 282 **Striped and Mottled Varieties.** Very fine and exceedingly beautiful. $\frac{1}{4}$ oz., 40c.; oz., \$1.25..... 5
- 283 **Gold-margined.** Strikingly handsome.... 5
- 284 **Pure Yellow.** Large, golden flowers. $\frac{1}{4}$ oz., 40c..... 5
- 285 **Large Flowering.** Very fine mixed. Embracing all the separate colors of German Pansies. $\frac{1}{8}$ oz., 25c.; $\frac{1}{4}$ oz., 40c.; oz., \$1.25.. 10
- 286 **Good Quality.** Mixed. Fine for bedding, many rich colors. $\frac{1}{4}$ oz., 25c.; oz., 85c.. 5
- 287 **PRIZE MIXED.** An extra fine mixture of all the best varieties of show, fancy, striped and spotted Pansies, and also the giant-flowered Pansies of the improved Giant Odier types. $\frac{1}{8}$ oz., 50c.; oz., \$3.50..... 10

For New Peacock Panzy, see page 13.



PETUNIA.

PETUNIA. Most valuable plants, succeeding well everywhere. They are particularly showy in beds or masses, and are universal favorites on account of their richness of color, fragrance and continuous blooming.

288 **Petunia Hybrida.** Finest mixed. A good mixture, embracing all colors, including striped and blotched varieties, very profuse flowering and excellent for bedding or massing. $\frac{1}{4}$ oz., 30c..... 10

289 **Hybrida.** Mixed. Good imported seed. Oz., 50c.... 5

290 **Large-flowering.** Fine mixed. All colors. 15

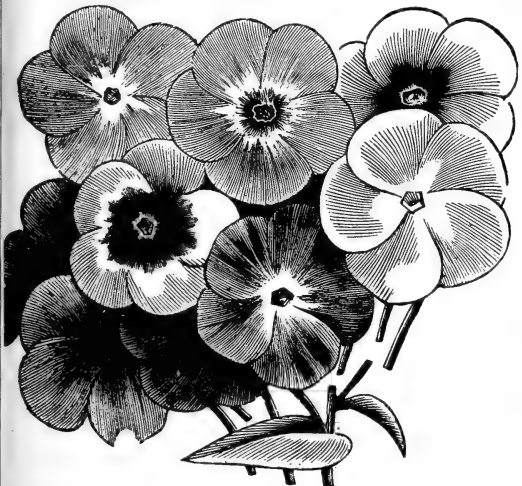
291 **Blue Veins.** Fringed. Elegant flowers, deeply fringed, of various shades of purple, rose and lavender, delicately veined and penciled..... 20

292 **BEST DOUBLE PETUNIA.** The Double Petunia produces no seed and but little pollen—which is carefully used to fertilize the finest single flowers—and from these the seed is saved. In raising plants from this seed great care should be taken to preserve the smallest and weakest plants, as these are the ones that bear the finest double flowers..... 25

293 **PERILLA Nankinensis.** Valuable for bedding and for general effect as an ornamental plant, beautiful, metallic, bronzy-purple foliage. Oz., 20c..... 5

PER PKT.

- 294 **POPPIES.** Improved Double Carnation. Mixed. For dazzling richness and variety of colors, the flowers are unequalled. Simply scatter the seed in the open ground and a mass of beauty will result which will be a constant source of pleasure. Oz., 25c..... 5
- 295 **Double Peony-Flowered.** Mixed. Splendid large double flowers, all colors. Oz, 20c, 5
- 296 **Somniferum (Opium Poppy).** True, gigantic white, single flowers. Oz., 20c..... 5
- 297 **THE NEW PHLOXES.** (Starred and Fringed.) These Starred and Fringed Phloxes are really entitled to rank as a new race, and are beyond question the most striking novelties in Phloxes ever introduced, being of unique and indescribable beauty. In the Fringed flowers the petals are partly fimbriate and partly three-toothed, all distinctly bordered with white, which, together with the bright eye of the center, picturesquely contrasts with the magnificent velvety colors, in more than twenty distinct shades. In the Starred Phloxes the pointed central teeth of the petals (five in number) are five to six times as long as the lateral ones and project beyond them like little spines, one-half inch long, giving the flowers a distinctly marked, regular, star-like form, the beauty of which is enhanced by the broad white margins bordering the edges of the petals. 3 pkts., for 25c.....10



DRUMMOND PHLOX

- PHLOX DRUMMONDII.** No flowers more showy or brilliant than this popular annual which thrives so universally throughout our country. The Improved Grandiflora varieties particularly are exceptionally beautiful.
- 298 **Fine Mixed.** All colors of the original type of *Phlox Drummondii*. Oz., 60c.... 5
- 299 **Alba (Pure White).** Our strain of this is really magnificent, the chaste white flowers being of unusual size and perfect form... 10
- 300 **Carnea.** A very beautiful Phlox; flowers of a delicate, fleshy pink, with a chamois-rose center.....10
- 301 **Large Blood Red.** The darkest colored of all, being of the deepest blood-red color...10

PORTULACA. In brilliancy and beauty of color Portulacas are unrivaled. They delight in sunny situations, where they rapidly carpet the ground, each plant covering a space of about fifteen inches in diameter.

PER PKT.

- 302 **Finest Single.** Mixed. In great variety, large flowers of most brilliant colors. Oz., 40c..... 5
- 303 **Rose-flowered White.** Very chaste..... 5
- 304 " " **Orange.** Bright..... 5
- 305 " " **Red.** Richest..... 5
- 306 **Double Rose-flowered.** Mixed. Unsurpassed for brilliancy and beauty. From first-class seed, over one-half of the plants will produce magnificent double flowers; these can be transplanted eight inches apart as soon as they bloom, thus making the entire bed of double flowers.....10

RICINUS (Caster-oil Bean). Picturesque foliage plants that speedily attain gigantic proportions, and are ornamental until destroyed by frost.

- 307 **Gibsoni Coccineus.** The stalks and leaves are of a bright metallic bronze color; the large bunches of fruit are of a burning crimson color 5
- 308 **Mixed.** Many choice varieties. Oz., 20c.. 5
- SALPIGLOSSIS (Velvet Flower).** One of the most graceful in growth, as well as the most beautiful in flower of the many easily grown garden annuals. The flowers are singularly marked and delicately penciled—in shape somewhat resembling the Petunia.
- 309 **Mixed.** All colors..... 5
- 310 **Grandiflora.** The flowers are larger in size, and are most vividly marked, spotted and striped on ground colors of deep blue, rose, dark violet, light yellow, reddish bronze, etc.....10
- SCABIOSA (Mourning Bride).** The old and well-known *Sweet Scabious* is not as generally cultivated as it deserves. The perfectly double flowers are useful for cutting; they are gracefully borne upon long slender stems, well above the foliage.
- 311 **Tall German.** Mixed. All colors; height two feet..... 5
- 312 **Dwarf Double.** Mixed. Plants of compact habit, profusely bearing globe-shaped double flowers of great beauty..... 5
- 313 **SALVIA (Flowering Sage).** Of all the *Salvias* the *Splendens* is the brightest and best, well worthy of cultivation..... 5
- 314 **SANVITALIA (Procumbens fl. pl.)** Dwarf creeping plant, with profusion of double, bright yellow flowers, compact and effective as border plants..... 5
- SCHIZANTHUS.** Half hardy annuals, one and one-half feet in height, literally covered with flowers.
- 315 **Papilionaceus (Butterfly Flower).** A charming variety, marked with violet, yellow, crimson, etc..... 5
- 316 **Mixed.** All colors..... 5

Order all Flower Seeds by their Numbers, it is not necessary to give Names.

SENSITIVE PLANT. The Sensitive plant is very chaste and elegant in foliage, the leaves being delicately pinnated, while it bears attractive small pink flowers in globose heads. It affords much amusement by its sensitive character—even when slightly touched the leaves close and droop; easily grown.

PER PKT.

317 **Mimosa Pudica** (*Sensitive Plant*)..... 5

318 **STEVIA SERRATA.** Produces a mass of tiny, star-shaped, pure white flowers. Most excellent for bouquets. The plants grow about eighteen inches high, stems branching freely and almost completely covered with the corymbs of flowers. Very pretty in beds, and almost unequaled for cutting to arrange in bouquets and vases with other flowers. Flowers freely the first season from seed..... 5

319 **Saponaria Calabrica.** Mixed, Dwarf continuous blooming annals for beds and edgings, pink, white, etc., $\frac{1}{2}$ feet..... 5

320 **SWEET SULTAN** (*Centaurea Suaveolens.*) The Yellow Sweet Sultan produces its handsome brush-like, bright-yellow flowers in wonderful profusion. The flowers have long stems, keep well, and are very valuable as cut flowers, finding a ready sale..... 5

SILENE (*Catchfly*). Suitable for the open border or rock work. Hardy annuals.

321 **Armeria.** Different colors, fine mixed.... 5

STOCK, TEN-WEEKS. All the varieties are desirable as pot-plants, as well as in open garden. They are greatly prized for cut flowers, on account of their fragrance and diversity of color. To have a continuous succession of bloom, sow at intervals from the beginning of March to the end of May.

322 **NEW DWARF WHITE PYRAMID.** Of very dwarf growth, the little plants are each crowned with magnificent heads of beautifully-shaped, perfectly double flowers, of fine form and paper-white color. The strain is so high-bred that a remarkable percentage comes double. 2 pkts. for 25c.....15

323 **NEW WHITE PERPETUAL** (*Cut and Come Again*). Of strong growth and fine branching habit, it grows to the height of one and a-half feet, and if sown early will produce uninterruptedly a great abundance of bloom from June until November. The individual flowers are uncommonly large, of a fine, rosette-like shape, and the purest possible white. The flowers appear on each little shoot, and the oftener they are cut the better they seem to like it. 2 pkts. for 25c.....15

324 **RED VICTORIA.** Each plant forms in itself a naturally-grown bouquet, of a beautiful pyramidal shape, the natural branches being symmetrically arranged around the main stem, which is slightly raised in the center, brilliant, double dark blood-red flowers..... 15

325 **GIANT PERFECTION.** A splendid race, growing two and a-half feet high, with large spikes of perfectly double-flowers of great substance. Mixed..... 10

326 **Dwarf-German Ten-Weeks.** Fine mixed, 5

327 **Large-flowering Dwarf.** Choice mixed.. 10

328 **Mixed.** All colors and kinds..... 5

329 **TARGETES Lucida.** Even if it never bore its small, bright yellow flowers, this would be well worth growing for its delicate, fern-like foliage, of such powerful and delicious fragrance..... 5

330 **Patula nana** (*Cloth of Gold*). An attractive, dwarf-growing bedding plant, with very numerous golden-orange blossoms, delicate, fern-like foliage, useful in bouquets and of delicious fragrance.....10

331 **TRIFOLIUM Suaveolens.** (*Sweet-scented Clover.*) A great favorite in gardens on account of its delicately scented flowers, six inches high. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50..... 5

VERBENAS. Verbenas flower very quickly from the seed and thrive much better than from cuttings.

332 **Hybrida.** Mixed. This seed, although so cheap, is really quite good, and embraces all colors. $\frac{1}{4}$ oz., 30c.; oz., \$1.00..... 5

333 **VERBENA HYBRIDA.** Extra fine mixed. From a superb collection of named varieties. Very large in flower and corymbs, and of the richest and most brilliant colors as now perfected, this is superior to the Mammoth Verbena, and is one of the finest strains of Verbena hybrida in cultivation to-day. The seed has been saved not only from a large collection of many bright and pleasing self-colors, but also from the finest varieties of the auricula-eyed type. 2 pkts., 25c.; $\frac{1}{4}$ oz., 75c.; oz., \$2.50.....15

334 **Italian Striped.** Very showy striped flowers of many bright colors. $\frac{1}{4}$ oz., 75c.....10

335 **Scarlet Defiance.** True, brightest scarlet, intensely rich. $\frac{1}{4}$ oz., \$1.00.....10

VIOLAS, or SWEET VIOLET.

Extremely popular in Europe for bedding, Violas or Tufted Pansies should be more generally used in America. Sow the seed in May, and when in flower in August or September, transplant into well-enriched beds, assorting as to color or arranging in any design desired. Soon after the snow is off the following spring they will begin to bloom, and throughout the spring and early summer will give a profusion of flowers.

336 **Admiration.** Deep violet.....10

337 **Cornuta alba.** Pure white..... 10

338 **Perfection.** Fine, light blue..... 10

339 **Purple Queen.** Rich, deep purple.....10

340 **Finest mixed.** All the above colors. $\frac{1}{8}$ oz., 50c..... 10

VINCA (*Madagascar Periwinkle*). Splendid house and bedding plant, eighteen inches high, with glossy green leaves and circular flower.

341 **Rosea.** Fine rose color.... 10

342 **Rosea alba.** White rosy eye... 10

343 **Alba pura.** Clear, pure white.....10

344 **Mixed.** The above three varieties..... 5

Order Flower Seeds by their Numbers

VISCARIA (*Rose of Heaven*). Adapted either for beds, edgings or clumps, their profuseness of bloom will always rank them among general favorites. Hardy annuals. PER PKT.

345 **Fine Mixed.** 1 feet..... 5

ZINNIAS. No flowers are more easily grown from seed sown in the open ground, and few bloom so continuously throughout the entire summer. Those acquainted only with the old-time Zinnias will be surprised at the perfection to which the newer strains have attained.

346 **Choice Double.** Mixed. All colors..... 5

347 **Superb Double.** Mixed. Perfectly double flowers, of grand form, large size, brilliant colors..... 5

348 **Mexicana.** Small, single, yellow flowers.. 5

349 **Tenuiflora.** Of dwarf habit, a good grower, succeeding everywhere, and desirable as a border plant. Sown where they are to bloom, in rows, they make a striking effect, the plants bear upright, small, single, dark-carmine flowers in profusion, 5

350 **Haageana fl. pl.** Of elegant habit, making a circular bush of 2½ feet in diameter and only eighteen inches high, almost entirely covered with small, perfectly double flowers of an intensely rich, orange yellow color, fine for cutting..... 5

MIXTURES. All of the following mixtures are carefully prepared from choice fresh seeds, and cannot fail to give satisfaction. The packets are liberally filled, and in no other manner can so many seeds be obtained for such light cost.

351 **WILD FLOWER GARDEN MIXTURE.** These mixed flower seeds embrace more than a hundred varieties of such easy-growing and pretty flowers as are suitable for forming a wild-flower garden. They are very useful for woodland walks, roadsides, railroad embankments, and for sowing alongside of fences and on any untidy, bare spots of ground which are so frequently unsightly and which, if properly cared for and kept free from weeds, can be made to produce a continual display of bloom during the summer. Oz., 25c.; pkt. 10

352 **Flowers for Bouquets.** This mixture embraces seeds of annuals producing flowers suitable for cutting for vases and for bouquets, nearly all of them having long stems. Planted in a section of the garden, this will furnish a constant supply of cut flowers..... 10

353 **Low-Growing Annuals.** This mixture contains seeds of a great variety of low-growing annuals, few of which exceed four to six inches in height, and which, sown in beds or borders, present the appearance of Turkish Rugs, carpeting the ground in their wide range of colorings and forms..... 10

354 **Tall-Growing Annuals.** This mixture embraces seed of many handsome, tall-growing annuals, none less than one foot and up to five feet..... 10

355 **Mixture of Foliage Plants.** Plants. The mixture is made up entirely of those annuals which are grown almost exclusively for the beautiful variegated, silver, golden, or bronze foliage..... 10

356 **Mixture of Fragrant Annuals.** Carefully made up from seeds of fragrant flowers only. A bed of these will give rich perfume throughout the day and evening, while some of them are also suitable for cutting..... 10

357 **Mixture of Climbers.** This is a liberally filled packet of seed of many beautiful annual climbers, which will prove most useful for covering out-houses or growing upon trellises..... 10

358 **Everlasting and Ornamental Grasses.** All the annual varieties of each, many of them being really handsome in growth... 10

359 **Biennials and Perennials.** The great variety of this mixture will make a grand display the second year, and many of them will continue to bloom year after year ... 10

If you don't see what you want in this Catalogue, write us, We handle all Seeds known to the Trade.

Order all Flower Seeds by their Numbers, it is not necessary to give Names.

REMEMBER.—On all Orders for Seeds in Packets (whether Vegetable, Farm or Flower Seeds), the purchaser may select twenty-five cents' worth extra for each **One Dollar** sent us. Thus any one sending us **\$1.00**, can select seeds in packets amounting to **\$1.25**; for **\$2.00**, seeds in packets to the value of **\$2.50**; for **\$3.00**, to the value of **\$3.75**, and so on. This discount applies only to seeds in packets, *purchaser's selection*, and does not apply to seeds by weight or measure.

We cannot, of course, guarantee a good crop in every case, as this is dependent upon natural causes, which are beyond human control. But we do guarantee that all Seeds sold by us are **FIRST-CLASS**, and of strong germinating power, in so far that should any prove otherwise we will refill the order free or refund the price paid us. **Further than this we cannot warrant, but this is a satisfaction given by but few seedsmen and must convince even those who have never dealt with us of the extreme care we exercise in selecting our seeds. They not only grow, but they grow "what is worth growing."**

You don't "TRY OUR SEEDS," we try them before you get them.

SEEDS OF ANNUAL CLIMBERS.

In the flower garden and for the adornment of rural homes, no class of flowers is more useful than these. Many a trellis, fence, tree-stump or veranda, otherwise unattractive, can be rendered beautiful by planting seed of rapid-growing climbers. We recommend a liberal use of seeds of a number of varieties. By a careful reading of the following list a judicious selection can easily be made.

On all orders for SEEDS IN PACKAGES the purchaser is entitled to select 25 Cents WORTH EXTRA for each ONE DOLLAR sent us for *Seeds in Packets*.

- 360 **BALLOON VINE** (*Cardiospermum*). PER PKT. The Balloon or Love-in-a-Puff, is of rapid growth, with pretty foliage and inflated capsules..... 5
- 361 **CANARY BIRD FLOWER**. This is one of the most beautiful of climbers, with handsomely fringed, rich yellow flowers and delicate foliage..... 5
- 362 **COBEA Scandens**. This is one of the most beautiful climbing annuals, and is very easily grown. It has elegant, graceful flowers, of large size, resembling foxgloves in shape, and of a rich rosy-purple color. The foliage is also extremely beautiful, of velvety texture.....10
- CYPRESS VINE**. One of the most elegant vines, delicate fern-like foliage, and beautiful, star-shaped flowers.
- 363 **Scarlet**. Intensely rich scarlet..... 5
- 364 **White**. Purest paper-white..... 5
- 365 **Mixed**. Both scarlet and white. Oz., 25c. 5
- 366 **Scarlet Ivy-leaved**. Deeply lobated, ivy-like leaves, with fork-like racemes of countless fiery orange-scarlet flowers. Oz., 25c..... 5
- CONVOLVULUS** (*Morning Glory*). Seed of the well-known Morning Glory is so cheap, the flowers so bright, and the vines of such rapid growth, that it should be largely planted to cover unsightly houses.
- 367 **Striped**. Large, handsome flowers of great beauty. On a white ground they are variously striped and blotched with red, blue and rose..... 5
- 368 **Fine Mixed**. Embracing a great variety of colors. Oz., 10c..... 5
- DOLICHOS** (*Hyacinth Bean*). Of very rapid growth, the old Haycynth Bean makes a very dense and attractive screen.
- 369 **Lablab**. Purple and white mixed..... 5
- 370 **HUMULUS Japonicus** (*Japanese Hop*). A very ornamental and extremely fast growing climber. While the foliage resembles in shape that of the common hop it has more incisions, is very dense, and of a lively green; the stems and leaves are somewhat rough and hairy. The principal and most valuable feature of this new climbing plant is that it can be sown in the open ground in spring, and that it attains enormous dimensions very quickly.10
- IPOMŒA**. Rapid-growing, tender annuals, with ornamental foliage and beautiful most varied colored flowers. Valuable climbers for the garden and as easily grown as the Morning Glory. PER PKT.
- 371 **Bona Nox** (*Good Night or Evening Glory*). Most beautiful large flowers..... 5
- MAURANDYA**. Charming climbers, elegant alike in foliage, and from their graceful growth are well suited for hanging baskets, vases and light trellis.
- 372 **Barclayana**. Rich violet blue, ten feet....10
- 373 **Finest Mixed**. Blue, white and mauve.... 5
- 374 **THE MOON FLOWER, the Original Variety**. This variety makes an immense growth of vine and dense foliage, but must be started early to flower in the North. The large flowers are some a beautiful blue and others pure white in color. Even when it does not bloom it is one of the handsomest vines in cultivation, on account of its quick-growing and dense foliage, which is not torn by wind or rain. The leaves are of a bright, glossy-green color, uniformly heart-shaped.....10
- 375 **MINA LOBATA**. The flowers appear on fork-like racemes, rising almost erect out of the dense and luxuriant foliage; they are as buds, at first bright red, but change through orange-yellow to yellowish-white when in full bloom. It is a very rapid-growing climber, forming pyramids of over eighteen feet in height.....15
- 376 **MOMORDICA Balsamima** (*Balsam Apple*). A very beautiful climbing plant, with handsome apple-shaped fruits..... 5
- 377 **Charantia** (*Balsam Pear*). Rapid-growing climber with very beautiful fruits, of a rich golden yellow color, which, when ripe, open, disclosing the seeds encased in a carmine covering. The fruits, preserved in alcohol, make a most useful liniment. Oz., 50c..... 5
- NASTURTIUM**. The *Tropæolum majus*, or Tall Nasturtium, are among the easiest grown and prettiest and thrive on poor soil. Free-bloomers, and the green seed-pods make excellent pickles.
- 378 **Majus, Finest Mixed Tall Nasturtium**. Many bright colors. Oz., 15c..... 5
- 379 **TROPÆOLUM Lobbianum**..... 5

That Order Sheet and Envelope are waiting to be used. Lead pencil is just as good as pen and ink to write it up.

Order all Flower Seeds by their Numbers, it is not necessary to give Names.

ANNUAL CLIMBERS—Continued.

ORNAMENTAL GOURDS. A large and interesting class, producing a great variety of curious fruits, many of which are peculiarly marked. All the fruits are hard-shelled, and will keep for years, exciting much attention.

380 **Mixed**..... 5

THUNBERGIA. Very elegant, slender-growing climbers, rapidly covering wire trellises, and also useful for vases in the garden or house. The colors are pure white, light yellow, and deep orange, and of each color there is a variety with white eye and also with black eye—the latter often called "*Black Eyed Susan*." They continue in flower all summer.

381 **Mixed.** Six varieties..... 5

SWEET PEAS.

Sweet Peas are unsurpassed for hedges and for cutting. They bloom freely all summer and autumn if the flowers are cut off and not allowed to go to seed. We offer each variety by the ounce, and we know that no one will regret having a plentiful supply of these lovely fragrant flowers.

382 **Adonis.** The standard is of a deep rose color, while the wings are almost carmine. Oz., 15c..... 5

383 **Vesuvius.** The standard is of a rose ground color, veined and spotted with brown, the wings and keel are clear blue, reflecting rose and lilac. Oz., 10c..... 10

384 **Violet Queen.** The flowers range in color from deep mauve of the standard to light violet of the wings; very pretty. Oz., 10c; lb., \$1.00..... 5

385 **Butterfly.** White-laced, with lavender. oz., 15c..... 5

386 **Painted Lady.** Rose and white. Oz., 10c. 5

387 **Scarlet Invincible.** A beautiful rich scarlet, very fragrant. Lb., \$1.00; oz., 15c..... 5

388 **Scarlet-striped.** Has more white than the Invincible Red-striped. Lb., \$1.00; oz., 10c..... 5

389 **Pure White.** Very fine. Lb., \$2.00; oz., 20c..... 5

390 **Princess Bcatrice.** Beautiful rose. Oz., 10c. 5

391 **Light Blue and Purple.** Oz., 10c..... 5

392 **All Colors.** Mixed. This will give a great variety of colors. Lb., 75c.; ¼ lb., 25c.; oz., 10c..... 5

For Snow Flake and Fire King Sweet Peas, page 13

EVERLASTING FLOWERS.

The Everlasting Flowers, with their rich, brilliant colors, are very valuable for winter decoration. They should be cut as soon as they come into full bloom, tied into small bunches, and dried slowly in the shade, with the heads downward, to keep the stems straight. PER PKT.

393 **ACROLINIUM.** Mixed. Rose and white.. 5

394 **AMMOBIUM.** Small white flowers, pretty, 5

395 **AGOMPHREN** (*Globe Amaranth or Bachelor's Button*). Mixed. Small, globe-shaped, double flowers of perfect form and bright colors..... 5

396 **Nana compacta.** Of very compact, dwarf habit, double flowers of a deep violet-red, 10

397 **HELIPTERUM Sanfordi.** Small, yellow flowers..... 4

HELICHRYSUM. Fine, large, double flowers of most brilliant colors, often called *The Eternal Flower*.

398 **Fireball.** Flowers of the richest crimson.. 10

399 **Snowball.** Large, double, pure white.... 10

400 **Golden Ball.** Rich, golden yellow..... 10

401 **Dwarf.** Mixed..... 5

402 **RHODANTHE Manglesii.** Graceful..... 5

403 **XERANTEMUM.** Mixed. Double flowers, 5

404 **Superbissimum fl. pl.** Purple, pompon-flowering, fine..... 10

405 **Superbissimum album fl. pl.** A new white..... 10

406 **MIXED EVERLASTING.** A single packet will give in abundance a great variety of the most attractive Everlasting Flowers. No more welcome present can be given a visitor when looking through the flower garden than a bouquet of these imperishable flowers. 3 packages for 25c..... 10

ORNAMENTAL GRASSES.

If our customers could see the wonderful variety and graceful forms of the Ornamental Grasses, they would be induced to use them much more largely, particularly when it is considered how indispensable they are in the arrangement of graceful bouquets. PER PKT.

407 **Agrostis nebulosa.** Fine and feathery, elegant..... 5

408 **Avena sterilis** (*Animated Oat*). 2½ feet, 5

409 **Briza gracilis.** Small, graceful racemes.. 5

410 **Briza maxima** (*Quaking Grass*). Large racemes of beautiful rattles, very ornamental..... 5

411 **Bromus brizæformis.** Drooping panicles, beautiful..... 5

412 **Chrysurus cynosuroides.** Dwarf, with yellowish, feathery spikes, useful in bouquets 5

413 **Coix lachryma** (*Fob's Tears*)..... 5

414 **Erianthus Ravennæ.** As fine as Pampas Grass..... 5

415 **Eulalia Japonica zebrina** (*Zebra Grass*). Grows five to six feet high, with stripings across the leaves..... 15

416 **Gynerium argenteum** (*Pampas Grass*). Flowers the second season; requires protection..... 10

417 **Hordeum jubatum.** (*Squirrel-tail-Grass*). Fine..... 5

418 **Lagurus ovatus** (*Hare's-tail-Grass*)..... 5

419 **Pennisetum Longistylum.** Soft, fuzzy flower heads, extremely graceful in appearance..... 10

420 **Stipa pennata** (*Feather Grass*). Perennial, 10

421 **Trycholæna rosea.** Perennial, but flowers the first season, most beautiful rose-tinted grass..... 5

SEEDS OF PERENNIAL FLOWERS.

In the following list we describe Biennials and Perennials which live in the garden over winter, and flower in the spring and summer of the following year. While they do not reward the planter so quickly as do Annuals, yet they are well worth waiting for—as they embrace some of the most beautiful flowers—and many of them, with scarcely any care, continue to give a fine display of bloom year after year.

	PER PKT.		PER PKT.
422 ALYSUM (<i>Gold Dust</i>). Saxatile , small, golden-yellow flowers.....	5	439 Choice mixed . Best varieties.....	5
423 AQUILEGIA (<i>Columbine</i>). Choice double, mixed. Beautiful and varied colors.....	5	440 Scotcus, fl. pl. (<i>Paisley or Florists' Pink</i>). A very pretty double variety of the preceding.....	5
424 Skinneri . Flowers vivid scarlet, tipped with yellow. About 80 per cent. come true from seed.....	10	441 DIGITALIS (<i>Foxglove</i>). Fine Mixed. Long racemes of beautifully spotted flowers....	5
425 ARISTOLOCHIA Siph. (<i>Dutchman's Pipe</i>). A beautiful, hardy, climbing plant; large, luxuriant foliage with brownish-yellow, heart-shaped leaves and siphon-shaped, rich purple flowers.....	10	442 HOLLYHOCKS . For majestic growth and massive beauty the Hollyhock stands unrivaled. Flowers very large, perfectly double, and of great variety of color....	5
426 ASPERULA (<i>Woodruff</i>) Odorata . Found in the dry woods or Great Britain, and much prized everywhere. The flowers are white and fragrant.....	10	443 Double . Fine Mixed. Fine double flowers	5
CAMPANULA (<i>Canterbury Bells</i>). Popular perennials producing bell-shaped flowers of many different colors.		444 Superb Double . Mixed. Of all the brightest and best colors. The perfect doubleness of the magnificent large flowers will please the most critical.....	10
427 Single Varieties . Mixed. Various colors..	5	445 HONESTY (<i>Lunaria</i> .) Purple racemes of pretty flowers, which form curious, silvery seed pouches	10
428 Double Varieties . Mixed.....	5	446 HUMEA Elegans . Grows six to eight feet, producing long, flowing racemes of ruby-red flowers	15
429 CHRYSANTHEMUM, New Fancy Perennial Varieties . It is not generally known that these are quite easily raised from seed, and that seed sown in the spring will produce strong plants that will flower freely in the autumn.....	20	447 IRIS Kämpferi (<i>Japan Iris</i>). A perfectly hardy, bulbous plant. with large, showy flowers, pure white and of many shades of blue and purple.....	10
CARNATIONS AND PICOTEEES		448 LILY OF THE VALLY (<i>Convallaria</i> .)...10	
Large, beautiful and very fragrant flowers, as perfect in form as the rose. Seeds sown in open ground in May or June will flower splendidly the next season. They are nearly everywhere hardy, but in very cold situations should be protected by straw or a few boughs.		LATHYRUS (<i>Perennial Peas</i> .) These Perennial Peas, while lacking the delicious fragrance of the Sweet Peas, are equally as beautiful, and are very valuable from the fact that they are in full bloom early in the spring, before the others have begun to flower. They live year after year, bearing magnificent clusters of flowers. Perfectly hardy and grow eight to ten feet high.	
430 German . Extra fine, double, mixed. First quality, from choicest flowers.....	15	449 Purple . Clusters of purple flowers.....	5
431 Choice Double . Mixed. Very good.....	10	450 White . Clusters of the purest white flowers	10
432 Red Grenadin . From 60 to 70 per cent. produce charming double flowers of a brilliant scarlet.....	15	451 Mixed . Easily grown, flowers purple and white	5
433 MARGUERITE . These superb new dwarf Carnations have created a great sensation, not only by reason of their fine, double, fragrant flowers, but also because they can be treated as annuals. They flower freely the first season from seed sown in the open ground.....	10	452 PÆONY . A well-known, hardy, herbaceous plant, with large, double flowers of various shades of rose, crimson, and white, 15	
434 Picotée . Fine, double, mixed. A good strain of double Picotees; edges of petals bordered.....	15	453 PAPAVER (<i>Perennial Poppies</i> .) Choicest Mixed. The single perennial Poppies are perfectly hardy and are very attractive among shrubbery	5
435 Fancy Picotée . Extra fine, mixed. A superb strain from the finest collection of named varieties.....	25	454 Orientele . The darkest red, magnificent..10	
436 DELPHINIUM (<i>Perennial Larkspur</i>).....	5	455 PHLOX, Perennial . Choicest Mixed. Embracing the newest and best varieties. Clumps of these are gorgeous with brilliant flowers. The fresh seed must be sown in the fall.....	10
437 Formosum (true). Brilliant blue, white eye.	5	456 PRIMULA Auricula . Fine Mixed.....	15
438 DIANTHUS (<i>Perennial Pinks</i>). Plumarius (<i>Pheasant Eye Pink</i>). The original clove pink.....	10	457 Elatior polyanthus . Choice Mixed.....	10
		458 Vulgaris . The common wild English Primrose.....	10
		459 PYRETHRUM Parthenium fl. pl. The double Feverfew	10

Don't fail to try the Premium Cockscomb, it is a giant variety. See page 13.

- PER PKT.
- 460 **Parthenifolium aureum.** (*Golden Feather*) 10
- 461 **Roseum** (*Insect Power Plant.*) A fine, hardy plant, with large red, daisy-like flowers. Persian Insect Powder or Bubbach is made of the dried and powdered flowers. Oz., 50c.....10
- 462 **ROCKET.** Sweet, Mixed. White and purple..... 5
- STOCKS.** The Emperor stock frequently lives for several years if protected from frost, the Brompton is a biennial, of branching habit and a profuse bloomer.
- 463 **Emperor or Perpetual.** Fine Mixed.....10
- 464 **Brompton or Winter.** Fine Mixed..... 10



SWEET WILLIAM.

- PER PKT.
- SWEET WILLIAM.** As now improved they make matchless border plants, with heads of bloom of great size and wonderful beauty, should be in every garden, height one and one-half feet.
- 465 **Single.** Mixed. A splendid strain, flowers of many bright colors, large size, and varied markings, including the finest auricula-eyed varieties..... 5
- 466 **Dunetts.** Beautiful, rich crimson..... 5
- 467 **Double.** Mixed. Fine double flowers, which, however, to our fancy, are not so beautiful as the single..... 5
- 468 **TRITOMA Uvaria grandiflora.** (*Red-hot Poker Plant.*) A most gorgeous plant, grown either singly or in masses, brilliant flowers, spike nearly a foot in length, golden-yellow to dazzling scarlet.....10
- VIOLA (Violet).** The popular Sweet Violet flowers very early in the spring, but the seed often requires many months to germinate.
- 469 **Odorata.** (*Sweet Violet*). Blue.....10
- 470 **WALLFLOWER Fine German Double.** Mixed. Spikes of deliciously fragrant double flowers, combining many shades of color, chocolate and orange purple predominating. So early in hot-bed and prick out the small plants into pots, sink the pots in the earth and in autumn remove to the house, where they will bloom all winter..... 5
- 471 **Single.** Mixed..... 5

Seeds for Greenhouse and Window Culture.

The growth of rare plants from seed is very interesting, and many of the choicest varieties can readily be grown in the house by those who are willing to give them careful attention. For winter blooming, the seed should be sown in shallow boxes any time during the spring or summer. Procure a mellow soil, almost one-fourth sand; sow the seeds on the surface, covering lightly with a little fine, sandy earth; cover the box with a pane of glass, keep darkened, and keep the soil slightly moist until the seeds germinate, when light and air should be admitted by partially or wholly removing the glass, and placing the boxes in a warm, sunny window. When the plants are large enough to handle they should be potted singly into small pots, and afterward removed to six-inch pots for flowering; to insure an abundance of fine bloom in winter, they should be kept growing vigorously during summer and fall, in good rich soil. Florists can rely upon our seed of Begonias, Calceolaria, Cineraria, Gloxinias and Primulas.

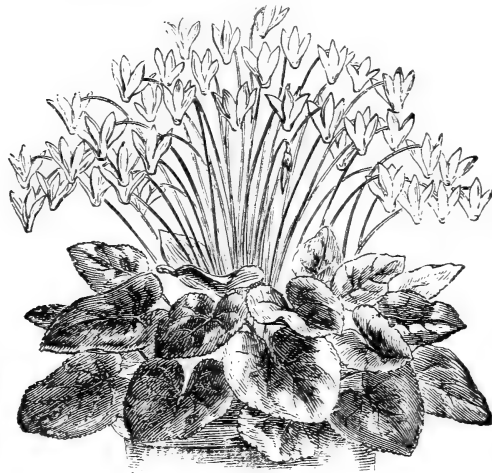
 In GREENHOUSE as well as all other SEEDS IN PACKETS the purchaser is entitled to select 25 Cents WORTH EXTRA for each ONE DOLLAR sent us for Seeds in Packets.

- PER PKT.
- 472 **AGAPANTHUS Umbellata** (*Blue Lily of the Nile*). This is a splendid ornamental plant, bearing large clusters of bright blue flowers on long flower stalks and lasting a long time in bloom. There is no finer plant than this for out-door decoration, planted in large pots or tubs on the lawn, terrace or piazza. It does well in the house or greenhouse in winter, requiring but slight protection. It is a rapid grower, and increases in size and beauty every year; the chief point in its cultivation is to divide the plants before the pots or tubs become overcrowded with roots. With the most ordinary kind of care it is a plant that will last for ever... 10

- BEGONIA, Tuberous-rooted hybrids.** These charming and showy Begonias, with their orchid-like flowers and rich tropical foliage, can be raised planted in light, moderately rich soil, with a liberal mixture of sand. Seedlings raised from sowings made early in the year will bloom freely in the course of the summer, but not so freely as those of greater age. PER PKT.
- 473 **Tuberous-rooted Begonias, Extra.** Fine mixed seed of single varieties..... 25
- 474 **CALCEOLARIA Hybrid.** Splendid mixed. One of the most beautiful of house plants, bearing hundreds of showy, pocket-like flowers of various colors, including handsomely spotted and tigered..... 25

Any one of our ONE DOLLAR COLLECTION of plants is a bargain.

- PER PKT.
- 475 **Finest Double-flowering Begonias**..... 35
- 476 **CENTAUREA Gymnocarpa**. White foliage. 10
- 477 **Candidissima**. White leaved; beautiful... 15
- 478 **CHRYSANTHEMUM Indicum**. Finest double 15
- 479 **CHRYSANTHEMUM Frutescens**. The well-known *Paris Daisy*, produces large, white, star-like flowers most profusely... 15
- CINERARIA**. The Cineraria is one of the brightest and best of house plants, blooming most profusely during the late winter and early spring. When in full flower the plants present a gorgeous sight, being each covered with one mass of bloom of richest colors—crimson, magenta, violet, blue, and variegated. Seed should be sown from May to August, when they will bloom the first winter. Keep the plants in a cool, shady place during the summer.
- 480 **Hybrida**. Fine mixed. All colors..... 15
- 481 **Hybrida**. Large flowering. Finest mixed. Flowers measuring two inches across, of rich colors..... 25
- 482 **COLEUS**. Fine mixed. Leaves of all shapes, shades and colors, mostly having a velvety appearance..... 15



CYCLAMEN PERSICUM.

- CYCLAMEN Persicum**. Most charming bulbous-rooted plants, with beautiful foliage, variegated in different shades of green, and richly colored orchid-like flowers. They are universal favorites as pot plants for winter and spring blooming. If the seed is sown early, in sandy loam, they make flowering bulbs in one season. After flowering, the bulbs should be allowed to rest in a dry state over summer.
- 483 **Persicum**. Splendid mixed. All colors... 15
- 484 **FUCHSIAS, Double and Single**. Mixed. It is not generally known that Fuchsias can be raised very easily from seed, and will flower freely the first year in the open ground, while the plants can be taken in the house in the winter, where they will flower still more freely. We offer the very finest mixture of double and single Fuchsias, saved from splendid varieties... 25

- PER PKT.
- 485 **FERNS**. Mixed, embracing seeds (spores) of many desirable varieties of these graceful plants..... 25
- GERANIUMS**. These favorite plants are easily raised from seed, which will frequently reward the cultivator with charming new varieties. Plants from seed started early in the house will bloom the first summer in the garden.
- 486 **Zonale**. Mixed 10
- 487 **Zonale**. Choice mixed. Saved from the best varieties of single Geraniums..... 15
- 488 **Fancy mixed Pelargoniums** (*Lady Washington Geraniums*). Very choice and rare varieties..... 25
- 489 **Finest Double**. Produces a good percentage of fine double flowers. Packet of 25 seeds..... 50
- 490 **Apple Scented**. This favorite, with sweet-scented leaves can best be grown from seed; sow in light soil and keep moist until they germinate..... 25
- GLOXINIAS**. A splendid class of house-blooming bulbous-rooted plants, flowering in great profusion during the summer months. The handsome bell-shaped flowers embrace a great variety of the richest and most beautiful colors; the bulbs must be kept warm and dry during the winter.
- 491 **Large Flowering Hybrids**. Mixed. From a grand collection, comprising the most superb spotted and blotched..... 25
- 492 **LANTANA**. Finest Mixed. Well-known shrubby plants, with clusters of Verbena-like flowers; make a grand display the first season. Large bushes of these in full flower all summer were much admired and visitors expressed surprise that so fine a display could be obtained from spring-sown seed..... 10
- 493 **LEMON VERBENA**. The delightfully fragrant foliage of this favorite plant makes it very desirable for cutting; it is easily grown from seed..... 10
- 494 **LINARIA Cymbalaria** (*Kenilworth Ivy*). The very pretty trailing species for covering rockwork, stumps, and for vases and hanging baskets..... 25
- 495 **MUSA ENSETE** (*The Abyssinian Banana Tree*). Strikingly effective as single specimens upon the lawn as well as in clumps or masses. The rapidity of its growth is astonishing, if the seed is sown early in hot-beds and repotted several times, the plants will attain the height of eight feet the first summer. They can be stored in a cellar during the winter with a covering of soil, or planted in a tub, watered sparingly, and will attain gigantic proportions the second season. The leaves are magnificently long, broad and massive, of a beautifully bright green. Packet of five seeds... 25
- 496 **PASSIFLORA Cœrulea** (*Passion Flower*)... 10

Order Flower Seeds by NUMBER, the name is not necessary.

Food for Flowers is a cheap and effective food for all house or garden plants. Package by mail 40c., post-paid.

Primula Sinensis Fimbriata.

FRINGED CHINESE PRIMROSE. The *Chinese Primrose* is the most beautiful and satisfactory of all house plants for winter blooming, and it is as easily grown as a Geranium. It is never attacked by insects, and will even thrive in a window where there is but little sun, and where few other plants would bloom. Seeds sown from April to July will produce plants that will flower most profusely throughout the following winter.

- PER PKT.
- 498 **PRIMULA, Alba Magnifica.** Flowers, borne in large trusses well above the foliage, are pure white, with large, bright, yellow eye. 25
 - 499 **Splendid** mixed, large flowering. A grand mixture, embracing the above and many other finest fringed, large flowering varieties. 20

- 500 **SMILAX** (*Myrsiphyllum Asparagoides*). The popular *Boston Smilax* is the most desirable window vine on account of its charming, glossy green, elegant and graceful foliage, while for florists' use it is as essential as Roses. Oz., \$1.50; ¼ oz., 40c. 10
- VINCA.** Handsome bushy plants, producing freely round single flowers one and one-half inches across, suitable for pot culture and sunny flower beds; tender perennial, one and one-half feet. PER PKT.
- 501 **Rosea.** Bright rose. 10
- 502 **Rosea alba.** White, with rose eye. 10
- 503 **Alba pura.** Pure white. 10
- 504 **Mixed.** Above varieties. 5

Florists will do well to get our special prices before buying elsewhere.

SUMMER FLOWERING BULBS.

The summer-flowering Bulbs for spring planting contained in the following list are *inexpensive, very easily grown* and produce some of the most showy and beautiful of all summer and autumn flowers. There are but few flowers that can compare with the noble and brilliant spikes of the Gladiolus, the grace and elegance of the Lily, the purity and sweetness of the Tuberose, the majestic foliage of the Caladium, or the wonderful markings of the Tigridia. They require scarcely any care, and quickly make a gorgeous display, while the bulbs can be kept over winter, and will, year after year, continue to return a hundred fold (in beauty and satisfaction) the trifling expense of the original cost. I have priced these bulbs very low, to bring them within the reach of all. They are in splendid condition, fine, large bulbs, properly stored, and will be sent, securely packed in the same parcels with flower or vegetable seeds. My prices are for choice Bulbs, **post-paid, by mail**, to any address in the United States.

AMARYLLIS. Beautiful flowering bulbs, which should find a place in every garden. They force readily, and by proper care can be had in bloom during the whole year.

Formosissima (*Jacobean Lily*). Crimson, blooming early in the summer. The flowers have a most graceful appearance. 30c. each; \$3.00 per doz.

Johnsoni. Very large flower of a rich crimson scarlet color, striped with white. 75c. each; \$7.00 per doz.

Hybrids of Vittata. White ground, striped with red. 75c. each.

Hybrids of Vittata. Red ground, striped with white. 75c. each.

AMORPHOPHALLUS RIVIERI. A remarkably distinct and pretty Aroid of easy culture, especially adapted for sub-tropical bedding or for the mixed border, producing a solitary Palm-like leaf on a tall stout stem which is curiously spotted and speckled with rose and olive green. The flower is similar in shape to the Calla Lily, the outside being of a similar color to the leaf stem; the inside is deep blood-red veined with black.

First size, strong tubers, 50c. each; \$5.50 per doz.
Second size, strong tubers, 30c. each; \$3.00 per doz.

CINNAMON VINE.

Dioscorea batatas. Beautiful summer climber; glossy foliage and fragrant flowers; stem dies down in winter, but the root is hardy. Large roots, 5c. each; 50c. per doz.

Tuberous=Rooted Begonias.

Our mixed tubers are all from varieties with splendid flowers, of fine form and substance, of dwarf growth, well adapted for bedding, and present in unsurpassed mixture all the following distinct colors: Bronze, yellow, crimson, dark crimson, magenta, orange, scarlet, pink, red, rose and white. They are covered with bloom the entire season; the gorgeous tropical effect for bedding can scarcely be imagined.

Single varieties in finest mixture, 15c. each; four for 50c.; \$1.50 per doz.

SPOTTED CALLA (*Richardia Alba Maculata*). The leaves of this variety are deep green, with numerous white spots, which gives the plant a very ornamental appearance. The flowers are pure white, with a black center. They grow freely, either in-doors or out. 20c. each; \$2.00 per doz.

WHITE CALLA (*Richardia Æthiopica*). The White Calla, or Lily of the Nile, is a well-known plant of easy culture, and in winter is one of our best window plants. To aid profuse blooming, keep them dormant from the middle of June to last of August, repot in good rich soil, using a four to six inch pot, give water, light and heat in abundance, and the result will be most satisfactory. Dry bulbs, 20c. each; \$2.00 per doz.; extra large, 30c. each; \$3.00 per doz.

REMEMBER. Above prices include postage.

Any one of our ONE DOLLAR COLLECTIONS of Plants is a BARGAIN.

SUMMER FLOWERING BULBS—Cont'd.

CALADIUM ESCULENTUM.



ELEPHANT'S EAR.

Elephant's Ear.

Grand tropical-looking plant, producing enormous leaves three to four feet long. A favorite for specimens on the lawn. Height, four to five feet.

(See cut).

Extra size bulb, 10 to 12 in. circumference,	75c.
First " " 8 to 9 " "	50c.
Second " " 6 to 7 " "	25c.
Third, " " 4 to 5½ in. "	15c.

Ever-blooming French Cannas.

Capt. P. de Suzzoni. A tall growing variety, deep yellow, lightly spotted with red, so that the general effect at a distance is yellow. As a companion to Trocadero it is excellent; large flower and fine green foliage. Each, 25c.; doz., \$2.50.

Egandale. A fine dark foliated variety, with flowers of a soft currant red, very distinct and striking in appearance. Each, 25c.; doz., \$2.50.

FRANCOISE CROZY. The color is a unique shade of apricot, bordered with bright yellow.

Horace Choisel. Deep rich magenta, strong, compact grower, a very fine variety.

J. D. Cabos. Another dark foliated variety, with flowers of very rich orange, tinged with apricot. As a contrasting variety in foliage and flower it is unsurpassed. Each, 30c.; doz., \$3.00.

M. Laforcade. Bright, orange-scarlet flowers, coffee-colored foliage, dwarf, compact grower, very fine.

MAD. CROZY. Resembles Francois Crozy, finer, each, 30c.

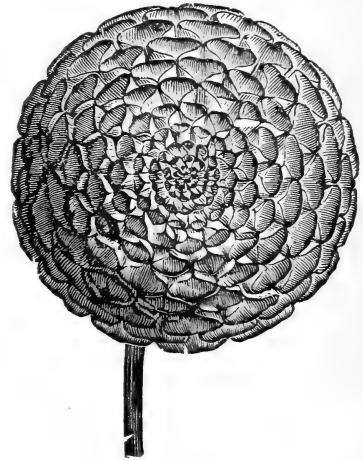
Pres. Hardy. Deep orange, mottled with rich chrome yellow, a unique and pretty variety.

Pres. Carnot. A majestic variety with dark chocolate foliage, flowers deep scarlet, large and beautifully rounded.

TROCADERO. A grand sort in flower and foliage. The blooms are a deep crimson lake of the richest shade, and are borne in wonderful profusion. Twenty-seven separate heads of flowers, were counted on a single plant. Price for any of the above, except where noted, each, 30c.; doz., \$3.00.

Choice mixed Canna roots. Our selection, each, 15c.; doz., \$1.50, post-paid.

DAHLIAS. Too well known to need any description. We can supply roots of any of the following colors. Red, White, Blue, Purple, Lilac, Rose, Yellow, Brown, Red Spotted, Canary, Straw Colored and Variegated. 20c. each; \$2.00 dozen.



DAHLIA.

MIXED GLOXINIAS. These comprise all shades of color and erect, horizontal and pendulous flowers; for those who do not care about special color they will be found very desirable, as only fine varieties have been kept, the poor and dull colors having been discarded. 20c. each; \$2.00 per doz.

GLADIOLUS. Our bulbs of this magnificent flower include only the very finest varieties. Our mixtures will be found of a high standard of excellence. A succession of bloom may be had from July to September by planting at intervals from April to June. The strongest bulbs should be kept for the latest planting. The cultivation of Gladiolus is very simple, as they will thrive in any good garden soil, but amply repay good care and liberal feeding by enhanced size and beauty.

All Colors, Mixed. Each, 5c.; doz., 30c.; 100, \$2.00.

Extra Choice, Mixed. Each, 5c.; doz., 40c.; 100, \$2.50.

Scarlet and Crimson Varieties, Mixed. Each, 5c.; doz., 30c.; 100, \$2.00.

White and Light Varieties, Mixed. Each, 5c.; doz., 50c.; 100, \$3.25.

Yellow Varieties, Mixed. Each, 5c.; doz., 50c.; 100, \$3.25.

Pink and Variegated Varieties, Mixed. Each, 5c.; doz., 40c.; 100, \$2.50.

Separate Colors of Red, Scarlet, Crimson, White, Yellow, Pink, Variegated, Rose or Striped, each, 10c.; doz., 75c.

Any one of our \$1.00 Collection of Plants is a Bargain. Page 84.

OUR Prices on all Bulbs, Include Postage. If sent by Express or otherwise, postage charges will be deducted from prices.

SUMMER FLOWERING BULBS—Cont'd.

BUTTERFLY GLADIOLUS.

Choice mixed sorts. Each, 10c.; doz., 75c.

HYACINTHUS CANDICANS.

(*Giant Summer Hyacinth.*) Luxuriant, free-growing, summer-flowering plant, spreading two to three feet, throwing up great, tall spikes four to five feet in height, each bearing twenty to thirty large white bell-shaped flowers; of easiest culture and splendid for groups. If planted in the center of beds of scarlet Gladiolus, the effect is magnificent. Each, 10c.; doz., \$1.00; or extra large bulbs, each, 15c.; doz., \$1.50.

IPOMEEA MEXICANA.

(*Mexican Morning Glory*). A distinct and pretty Mexican species, bearing fine clusters of large, purplish rose-colored flowers; it grows rapidly and succeeds in almost any position; as a plant for covering arbors, verandas, etc., it is invaluable; being tuberous-rooted, it may be wintered like a Dahlia. Each, 35c.; doz., \$3.00.



BUTTERFLY GLADIOLUS.

TIGRIDIA Shell Flower.

Curious and beautiful summer flowering bulbs, producing large, gorgeous flowers, exquisitely spotted, flowering from July to October. The bulbs can be planted about the middle of May, and taken up in October and kept over winter in dry sand.

Conchiflora. Orange, with crimson spots. Each, 10c.; doz., \$1.00.

Pavonia Grandiflora. Red, with yellow spots. Each, 10c.; doz., \$1.00.

Grandiflora Alba. Large ivory white flowers, spotted with maroon and rosy lake in center. Each, 10c.; doz., \$1.00.

TUBEROSES.

One of the most delightfully fragrant and beautiful of the summer flowering bulbs. By skillful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March, in the greenhouse or hot-bed; and for a succession they can be planted at intervals as late as August. For flowering in the open border plant about the first of May.



EXCELSIOR PEARL TUBEROSE.

Dwarf Pearl. Each, 5c.; doz., 35c.; 100, \$2.50.
Tall Double. Each, 5c.; doz., 35c.; 100, \$2.50.

LILIES.

Longiflorum. The well-known beautiful snow-white, fragrant hardy Garden Lily; flowers trumpet-shaped, six to eight inches long; height, one and one-half to two feet. Each, 25c.; doz., \$2.50.

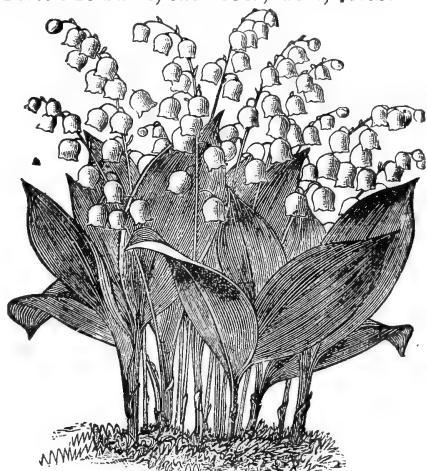
Tigrinum Splendens. (*Improved Tiger Lily.*) Very large flowers; orange-salmon, spotted black. Each, 25c.; doz., \$2.50.

Tigrinum Flore Pleno. (*Double Tiger Lily.*) Immense double bright orange-red flowers, spotted with black. Three to five feet. Each, 25c.; doz., \$2.50.

Album. Purest white. Each, 30c.; doz., \$3.00.

Rubrum. White, shaded with deep rose and spotted red. Each, 20c.; doz., \$2.00.

Auratum. (*The Golden Rayed Lily of Japan.*) Grandest of all the Lily family, flowers pure white, with crimson spots, through the center of each petal runs a clear golden band, flowers measure nearly a foot across, produced abundantly, deliciously fragrant, two to five feet. First size bulbs, each 35c.; doz., \$3.00.



LILY OF THE VALLEY.

LILY OF THE VALLEY (*Convallaria Majalis*).

One of the most charming of our spring-flowering plants. Its slender stems, set with tiny bells, diffusing a delicious odor, have rendered it a universal favorite. They are entirely hardy, and delight in a shady, well-enriched border. Strong clumps for out-door planting delivered until April and after September 1st. Each, 50c.

MADEIRA VINE. The old favorite Climbing Mignonette. Thick glossy leaves, and long, hanging stems of feathery fragrant flowers. Each, 5c.; doz., 50c.

OXALIS, Summer Flowering. Valuable for edging walks, flower beds, etc. Bulbs planted three inches apart form rounded rows of delicate foliage, about one foot high, which produce flowers in endless succession.

CHINESE PÆONIES. The herbaceous Pæonies are exceedingly hardy, and will succeed in any ordinary soil, well enriched with good manure. During the summer month mulching will be beneficial to the roots, especially on dry soils. We offer a splendid assortment, embracing all the leading shades, white, pink, rose, purple, etc., etc. Each, 30c.; doz., \$3.00.

Imported Dutch Bulbs. In fall we have a complete and well selected assortment of Dutch Bulbs, our own importation, direct from the best Bulb growers. Our assortment consists of Haycinths, Tulips, Crocus, Narcissus, Snowdrops, Anemones, etc., etc., all of which should invariably be planted in the fall. Price list ready in September and mailed free to all applicants.

COLLECTIONS OF PLANTS

To meet the growing demand for assorted plants in collections, we have this year compiled a list of collections which we offer at \$1.00 each, or four collections for \$3.00, delivered post-paid to any address in the United States. The plants we offer are good, strong plants, and far enough advanced in growth to be replanted with safety. These collections can not be purchased elsewhere at the prices we offer them.

COLLECTION No. 1. Twelve Begonias. Flowering sorts, all different.

COLLECTION No. 2. Nine Carnations. No two alike, and all of the newest sorts.

COLLECTION No. 3. Twelve Chysanthemums. Double sorts, all different.

COLLECTION No. 4. Twelve Coleus. All different; this is a grand collection for the money, and can not be duplicated elsewhere with the same plants as we send.

COLLECTION No. 5. Seven Fancy Ferns. All different.

COLLECTION No. 6. Twelve Geraniums. Single and double, no two alike; in this collection some of the latest shades of Geraniums are included.

COLLECTION No. 7. Twelve Heliotropes. Three kinds, different colors.

COLLECTION No. 8. Twelve Monthly Roses. All different; if you want rose plants it will pay you to send for this collection.

When ordering, it is only necessary to give the **NUMBER OF THE COLLECTION** wanted. **REMEMBER** that we prepay the Postage on all of above collections; all you are to do is to remit \$1.00 for one collection, or \$3.00 for any four collections; your choice of any.

COLLECTION No. 9. Twelve Hardy Herbaceous Plants. All different, including One Heli-anthus Multiflores; Two Palonias, different kinds; One Bleeding Heart; also Lily of the Valley and others. This collection is worth twice the amount asked for it. Try to get the same elsewhere yourself and be convinced that it is as we say.

COLLECTION No. 10. Six Hardy Vines, including Ampelopsis Veitchii (Boston Ivy), one of the quickest hardy vines that grows.

COLLECTION No. 11. Five Hardy Shrubs. As follows: One Hydrangea Paniculata Grandiflora; One Lilac; One Snowball; One Pyrus; One Deutzia.

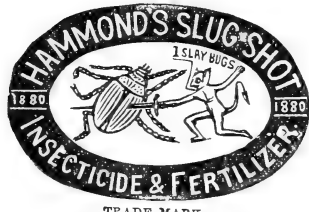
COLLECTION No. 12 Is our Bulb collection, consisting of twelve summer flowering bulbs, assorted kinds, all different.

One Collection, \$1.00.

Four Collections, \$3.00, Post-paid.

REMEDIES FOR INSECTS AND FUNGUS

HAMMOND'S SLUG SHOT.



TRADE MARK.

Cotton or Egg Plants, Currant or Fruit Trees. It is an excellent fertilizer; plants upon which it is used will grow and look much finer than those upon which it is not. It contains nothing injurious to domestic animals, and does not deteriorate by age. On low growing plants it should be dusted on with a very fine sifter. On tall shrubs and trees it should be applied with bellows. 5 lbs., 25c.; 10 lbs., 50c. Bags, 100 lbs., \$4.50; in barrels in bulk, weighing 225 lbs. net, 4c. per lb. Cartoons filled with Slug Shot, 15c.; by mail, 25c

LONDON PURPLE.

Very poisonous and equally as efficacious as Paris Green and more soluble in water. Lb., 25c.; 10 lb. lots and over at 20c. per lb. If by mail, add 15c per lb. for postage. Use in the same way as Paris Green.

PARIS GREEN.

A poisonous insoluble powder, indispensable on the farm or garden—for the purpose of preventing the ravages of potato bugs, codling moth, worms, caterpillars, slugs and bugs. Lb., 25c.; 10 lbs. and over at 23c. per lb. If by mail, add 15c. per lb. for postage.

Dry Application. Mix with plaster, flour or other dilutant—one part to 100; apply with duster, bellows or gun.

In Solution. Mix 1 lb. to 200 or 300 gallons gallons of water. Apply with pump, syringe or vaporizer.

Bait. For cut worms, mix 1 oz. with 8 ozs. of syrup; mix thoroughly with fresh chopped grass or leaves.

PERSIAN POWDER or BUBACH.

A most effective non-poisonous impalpable powder—so fine that it penetrates the innermost crevices—for worms, flies, aphids, and almost all kinds of insects—it is very effectual—suffocating them by filling up the breathing pores. Lb., 40c.; 10 lbs. and over at 35c. per lb. If by mail, add 15c. for postage.

Dry. Blow on with a bellows or gun.

Solution. Dissolve 1 oz. in 3 gallons of water, and apply with syringe or pump.

REMEDIES FOR INSECTS AND FUNGUS—Continued.

HELLEBORE, POWDERED WHITE.

For the destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green and London Purple and safer to use when fruits or vegetables are nearly ripe. Lb., 25c.; by mail, 40c.

Dry Application. *Dust on dry, or mix 1 lb. with 4 lbs. of powdered lime or flour, dust on with powder duster or bellows.*

In Solution. *Dissolve 1 oz. to 3 gallons of water; apply with syringe, pump or vaporizer.*

CARBOLIZED SOAP.

For peach, apple and other tree borers, also for washing trees to prevent attacks of animals or vermin. 1 gallon can (makes 12 gallons paint), \$1.00.

QUASSAINE.

This is a Concentrated Fluid Extract Quassia, held in suspension by Whale Oil Soap—adopted and officially recommended by the State Horticultural Board of Washington, as a cheap and reliable non-poisonous insecticide for hop lice, aphids and all scale insects. Quart cans (25 gallons wash), \$1.00 per can; 1 gallon cans (100 gallons wash), \$1.50 per can.

TOBACCO DUST, FINE.

For green and black aphid, fleas, beetles, etc. Splendid fertilizer and preventive for insects in the ground and around roots. Lb., 10c.; 5 lbs., 35c.; 10 lbs., 65c. If by mail, add 15c per lb. for postage.

For insects on plants apply with powder duster or bellows. For worms or grubs in the soil, apply liberally to the surface and rake in, or strew thickly in the drills before planting.

TOBACCO SOAP.

Effective for green or black aphid, turnip fleas, slugs, bark lice, etc. Lb., 35c.; or by mail, 50c.

Dissolve 2 ounces in a gallon of water and apply with pump, syringe or vaporizer.

THRIP JUICE.

A concentrated extract, arseniated, destructive for mealy bug, scale, thrips, bark lice, codling moth, canker-worm, elm leaf worm, beetles, caterpillars, etc. $\frac{1}{2}$ pt. can, 30c.; 1 pt., 50c.; 1 qt., 75c.; 1 gal., \$2.00; 5 gal. keg, \$7.00.

Mix $\frac{1}{2}$ pint to 25 gallons of water and spray on with syringe, vaporizer or pump.

WHALE OIL SOAP.

Makes an excellent 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. Lb., 15c.; 2 lbs., 25c.; 5 lbs., 60c.; 25 lbs. and over, at 12c per lb.; if by mail, add 15c. for postage.

For insects on plants, dissolve $\frac{1}{4}$ lb. to a gallon of water, apply with syringe or spraying pump.

For bark insects, etc., dilute with water to consistency of thick paint, and apply with brush.

GUIDICE POWDER.

A combined fungicide and insecticide. Especially recommended for potato blight, potato rot, mildew, rust, grapevine flea beetle, potato bugs, slugs, codling moths, curculio, strawberry crown borers, etc. This article contains both insecticide and fungicide ingredients, taking the place of Paris Green and London Purple, and saving the cost of one application where fungicide treatment is needed as well. It can be used either as a powder or in solution. Two pounds to a barrel of water. 5 lb. pkg., 50c.; 25 lb. box, \$1.75.

KEROSENE EMULSION (Concentrated).

For plant lice of any kind, cabbage worm, scale insects on apple, pear, orange, lemon and other trees. 1 qt. can, 30c.; 1 gal. can, 50c.; 5 gal. tin buckets, \$1.75; 50 gal. barrel, \$10.00.

Mix 1 gallon Emulsion to 15 or 20 gallons water, according to strength required. Spray on with syringe or force pump.

REMEDIES FOR FUNGUS Such as Mildew, Rust, Black Rot, etc.

BORDEAUX MIXTURE.

(Standard Strength.)

A valuable and indispensable fungicide for grape growers—thereby insuring larger crops and finer grapes, and preventing failure. A sure cure and preventive for black rot, mildew and rust, also of great value for other plants suffering with kindred diseases. Price, 20 lb. pkgs., \$1.00. *By express or freight only.*

Dissolve 10 lbs. to 25 gallons of water, and apply with Knapsack sprayer or vaporizer.

GUIDICE POWDER.

A combined fungicide and insecticide. (See under "Remedies for Insects.")

COPPERDINE.

(Ammoniacal solution of carbonate of copper.)

A famous remedy for fungoid diseases of plants, particularly for grapes, curing downy and powdery mildew, black rot, scab, etc. Price, quart can, 50c.; 1 gallon cans, \$1.50; 10 gallon carboy, \$1.35 gal.; 50 gal. barrel, \$1.25 gal. *By express or freight only.*

Dilute 1 pint to 10 or 12 gallons of water; apply with Knapsack sprayer or bellows vaporizer.

GRAPE DUST (HAMMOND'S).



A non-poisonous powder for the remedy and control of mildew and rot on grapes, gooseberries, roses, etc. Price 5 lb. pkg., 35c.; 100 lb. keg, \$5.00. *By express or freight only.*

Apply with bellows or powder gun.

FLOWERS OF SULPHUR.

For the prevention and destruction of mildew on roses and other plants. Price, 10c. per lb.; 10 lbs. 60c.; 25 lbs. and over, at 5c. per lb.; if by mail, add 15c. per lb. for postage.

SULPHO-STEATITE POWDER.

For lettuce mildew, powdery and downy mildew of the grape, rose mildew and other fungus diseases affecting plants under glass. Use as a dust. 5 lb. 60c.; 25 lb. boxes, \$1.50.

Snow Flake and Fire King Sweet Peas can't be beat. See page 13.



FERTILIZERS



We keep but one grade of Fertilizers and honorable houses we are confident that our customers will receive full value. Procuring our supplies from

PURE GROUND BONE. Excellent for restoring and quickening grass plots, gardens, etc. Apply 400 to 600 lbs. to the acre. 5 lbs., 25c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50. Sack of 200 lbs., \$4.00; ton, \$35.00.

PURE BONE MEAL. Ground expressly for our trade. Better than Ground Bone for mixing with potting soil, as it is much finer and in better condition for giving immediate effect. 5 lbs., 25c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.00; 200 lb. sack, \$4.00; ton, \$35.00.

PURE BONE FLOUR. Ground perfectly fine; an excellent fertilizer for pot plants or beds where an immediate effect is wanted. 5 lbs., 25c.; 25 lbs., \$1.25; 100 lbs., \$3 00; bag or barrel of 200 lbs., \$5.00; ton, \$40.00.

COARSE BONE. Ground coarse, for grape borders. 5 lbs., 25c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; 200 lb. bag, \$4.00; ton, \$35.00.

NITRATE OF SODA. A Fertilizer for all crops, and the only means by which the largest per cent. of nitrogen can be applied to soils. This is valuable solely for the nitrogen it contains, equal to twenty per cent. of ammonia. It is very quick in action and hastens maturity of crops fully two weeks. It is valuable for grain, fodder corn, sugar beets, potatoes, grasses, peas, beans, clover, etc. Being extremely soluble, it should not be applied until the plants are above ground, when 100 to 150 lbs. per acre should be sown with other Fertilizers, or mixed with Phosphates. Will be shipped only in double bags. 50 lbs., \$2.25; 100 lbs., \$4.00; 200 lbs., \$7.50.

ODORLESS PHOSPHATE. This is a new chemical compound. It is being used on the most extensive farms in our State. The results are marvelous on grain and root crops, small fruits, lawn and vegetable garden. By its use the insects diminish, thus acting as a high-grade Fertilizer and insecticide. Every ton of Odorless Phosphate contains 427 lbs. phosphoric acid, 1,110 lbs. phosphate of lime, and 216 lbs. free lime. Bag of 200 lbs., \$3.00; ton, \$22 00.

LAWN DRESSING. This dressing is prepared so that it acts gradually through the season. It may be applied at any time during the spring or autumn; apply lightly during the summer only when it rains. It will restore lawns to full luxuriance that have been nearly ruined by drought. 5 lbs., 25c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.50; 200 lbs., \$4 00.

TOBACCO STEMS. This has become an indispensable lawn covering for winter. It not only acts as a protector, but imparts large quantities of ammonia, and drives away insects and moles which harbor in a lawn during winter. Bale, \$2.00.

KITCHEN GARDEN FERTILIZER. A general kitchen garden manure; may be used on all garden crops, fruits, etc.; easily applied, and will give as large crops as stable manure. It has very little odor, and clean to handle. 5 lbs., 25c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.50; 200 lbs., \$4.00.

PERUVIAN GUANO. The quantity used per acre is 300 to 400 pounds; before using mix with loam or plaster. It should not be mixed with lime, ashes, muck or clay; nor should it come in contact with growing plants when used in a dry state. Lb., 10c.; 25 lbs., \$1.50; 100 lbs., \$4.50; ton (2,000 lbs.), \$65.00.

BOWKER'S AMMONIATED FOOD FOR FLOWERS.



Made especially for plants grown in the conservatory, house and garden; clean, free from offensive odor. Full directions with each package. Large pkg., 25c.; by mail, 40c.; small pkg., 15c. by mail.

SALT. For top dressing lawns or asparagus beds. Apply very early in spring at the rate of eight to ten hundred pounds per acre. 200 lbs., \$1 50; ton, \$10.00.

LAND PLASTER or GYPSUM. It is an excellent addition to land requiring lime and sulphates, particularly for such crops as turnips, potatoes, grasses and clovers. Its fertilizing action is not so much due to its value as a plant food, as to its absorbing and fixing ammonia and rendering soluble the inert plant foods of the soil so that the growing crops can take them up. Quantity required: Broadcasted and harrowed in, one-half to one ton per acre. Bbl., about 275 lbs., \$1.75; 5 bbls., \$8.50, f. o. b. St. Louis, Mo. In lots less than barrel, 2c. per lb.

SOLUBLE PHOSPHATES FOR GARDENS.

Inodorous. 25-lb. boxes, sufficient plant food for a one-eighth acre garden a whole season, \$1.50.

PLASTER PARIS. Used the same as Land Plaster, and also as an insecticide. Lb., 2c.; bbl., \$2.75.

DISINFECTING LIME. Bbl., \$1.80.

Peacock Pansy is the king among Pansies. No lover of flowers should be without it. See page 13.

POULTRY SUPPLIES.

PATENT

Stoneware Drinking Fountain.

—FOR—

POULTRY, PIGEONS AND BEES.



The Best and Cheapest Fountain in the Market.

THOUSANDS OF THEM IN USE.

They keep the water cool and clean, and chicks from getting wet. Are easily filled. Never tip over or get out of order.

To fill, set it up on end and pour the water in; then lay it down on its side, as shown in the engraving and a vacuum is formed which keeps the water in, but allows free access to it. To clean, if it needs it, fill with water and sand, turn it sideways and shake the water and sand out.

Many do not appreciate the necessity of a fountain; but impure water, caused by exposure to the sun, and filth scratched into old crocks and pans, are the cause of much disease and death in the poultry yard, loft and cages. Chicks also get into open jars, and either drown or get wet and die. Saving the life of one valuable bird will pay for a dozen fountains.

PRICE.

Half gallon, weight, 3 lbs.....	each,	25c.
One " " " 6 "	"	35c.
Two " " " 12 "	"	50c.

PRATT'S POULTRY Food.



Pratt's Poultry Food. A well-known and highly indorsed food for the cure of all poultry diseases and for increasing supply of eggs by promoting health and activity among the poultry. 26 oz. pkg., 25c.; add 26c. if to be sent by mail. 5 lb. pkg., 60c.

Porcelain Nest Eggs. Each, 5c; per doz., 50c.

Hemp Seed. Used largely for feeding birds and pigeons. Lb., 10c.; 5 lbs. or more 7c. per lb.

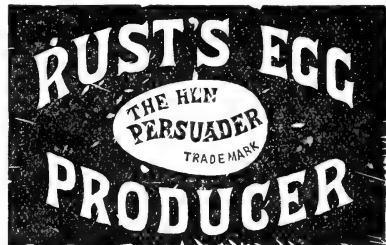
Buckwheat. 10 lbs., 40c.; 50 lbs., \$1.50; 100 lbs., \$2.50.

Cracked Bone. The bone we handle is perfectly clean and free from dirt and dust. Lb., 4c.; 10 lbs 35c, 100 lbs., \$3 15.

Bone Meal. The best way in which to feed bone meal to your chickens is by giving them the pure meal. We guarantee ours to be pure. Lb., 3c; 10 lbs., 25c; 100 lbs., \$2.00.

Crushed Oyster Shells. This is a most important article for the poultry yard and should be supplied to the fowls liberally. Of superior quality. Your hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. 10 lbs., 25c.; 25 lbs., 50c.; 100 lbs., \$1.50; 200 lbs., \$2.25.

Nest Egg Gourd Seed. Produce hundreds of white gourds, closely resembling eggs in size, color and shape. Should be grown by all poultry men. Pkt., 5c; oz., 25c.



Rusts' Egg Producer. A reliable article, much used by poultry men. 1 lb. pkg., 25c.; add 16c. if to be sent by mail.

Raven's Food for horses, cattle and poultry, an excellent food for all purposes. 1 lb. pkg., 25c.; 2 lb. pkg., 45c.; 5 lb. pkg., \$1.00; if by mail add 16c per pound to pay postage.

Roup Pills. Forty-eight pills in a box. A certain cure for roup in chickens; also liver affections and fever. Box, 25c, post paid to any address.

Climax Condition Powder. For poultry especially, but excellent for all kinds of stock. This is a sure cure for chicken cholera and for gapes; also excellent for expelling lice from chickens. Pkg., 25c.; add 15c. if to be sent by mail to pay postage.

Food for Flowers is a cheap and effective food for all house or garden plants. Package by mail, 40c, post-paid.

Please take this Catalogue with you when you go by a neighbor's next time. Show it to him and ask him to club with you in sending your order. We want your trade, all we ask is a trial order, then we know we will get it.

THE "BOSS SPRINKLER."



WHAT IT WILL DO.

A man can do from four to five times the work that can be done with a common sprinkling pot and save one-half Paris Green.

One-quarter of pound of Paris Green will go as far as a pound used in a sprinkling pot. One man can sprinkle four to five rows while one is being done by an old styled sprinkler. One can full of water and one teaspoonful of Paris Green will sprinkle between nine and ten hundred hills of potatoes; five cans full of water and five teaspoonfuls of Paris Green will sprinkle one acre of potatoes, three feet apart each way.

WHY YOU SHOULD USE THE "BOSS SPRINKLER."

It is not hard work to carry it. You do not burn the vines as you do when you use plasters. The "Boss Sprinkler" can be used on cotton plants as well as potato. Also for sprinkling carbolic acid water in hen houses, poultry yards, etc.

Price.....\$3 50

DUST CANS

For applying Slug Shot or other similar Powders.

Large size.....	Each.	35c.
Medium size.....		25c.
Small size, filled with Slug Shot.....		20c.



FOX'S POTATO BUG EXTERMINATOR.



The best machine in the world for applying liquid poison to plant, vine or bush. Full description and directions how to use will be sent with every machine.

No better investment could be made and certainly not a more profitable one than in the investment of \$5.00 in this machine as it will save its price many times over in a season's use.

Price.....\$5 00

CRESCENT FORCE PUMP AND SPRAYER.

Similar to the Automatic, but smaller in size, works the same and gives good satisfaction. Each, \$1 25

Snow Flake and Fire King Sweet Peas can't be beat. Include a package of each in your order. See page 13.

— DO YOU KNOW —

What Good Stock Food is and What it Should do?

Well I will tell you —

It should contain such ingredients as an animal's nature craves, and which adds a relish to the feed in which it is placed. Their coats should become smooth and glossy, they should be more active and willing. In their whole appearance they should show that they are being benefitted by the use of the stock food being used.

WHAT STOCK FOOD WILL DO THIS?

Any stock food will do it which is prepared properly as it should be in all cases when you desire the following results: **To give them a healthy appetite** when they are off their feed. **To digest** such food as they may eat properly. **To make flesh** as well as **blood and bone**. **To keep their stomach** in such a condition that it is impossible to contract a disease by infection.

American Stock Food WILL DO ALL OF THIS and IT WILL DO MORE

It will repay you for feeding it, as many who have used it will tell you. You get a 12½-Pound sack Sack for ONE DOLLAR.

Automatic Spray and Force Pump

PUSH DOWN—THE SPRING DOES THE REST.

UNIQUE AND MOST PRACTICABLE.

NO FOOT FASTENING REQUIRED.

It is made of nicked brass, galvanized iron tubing, extra large air chamber or reservoir, brass spring, pure rubber valves, saucer shaped, anti-clogging foot with strainer on top, and with the sprays that go with it, warrants us in claiming that it is what has long been needed for all purposes. It will pump from the pail or will CARRY the material to be used in "a field;" and with the fine spray carries enough to last ten to fifteen minutes in potatoes, fruit trees, grapes, tobacco and greenhouses. The Automatic is otherwise generally useful, is first-class in construction, nicely finished, and at the price named should be acceptable to all. Our experience of last season gives us great confidence in making this guarantee. **Price, \$3.75**



The Lenox Sprayer.

The Straps are provided with buckles and are adjustable to fit a boy or man of any size. It is also provided with a fine strainer cloth at the top where the liquid enters, to prevent leaves or dirt from getting

into the Sprayer, thus, impossible to clog up the nozzle. A man with one of these Sprayers will only use one half the Paris Green that is required by the whiskbroom or any other method, the spray being a mere mist.

No waste whatever. No burning of the vines as by large drops. You will only require to take out one barrel of water to the field instead of four by any other method. The most economical and perfect working apparatus on the market. It pays for itself by very little use. Full Directions with every machine including many valuable receipts. **Price, \$4.00.**

A reliable Chemist advises always to strain your liquid poison through two thicknesses of burlap (sacking). You do not need the poison thick, for the moment it touches the water it is poisoned. Strain the poisoned water before putting it in the Sprayer, and you will have clear liquid poison.



UNITED STATES CHEMICAL CO.

MANUFACTURERS OF

Angoline Woolfatine,

Woolfatine Harness Soap,

Woolfatine Harness Grease,

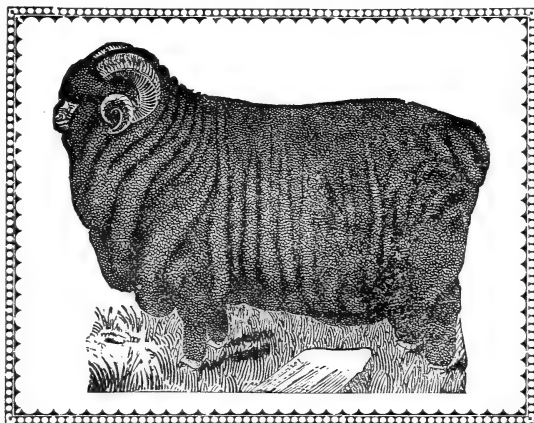
AND Compounds of Woolfat



OFFICE AND FACTORY:

Cor. 22d Ave. and Kilbourn Road,
OPPOSITE FOREST HOME.

MILWAUKEE, WIS.



WOOLFATINE (*Woolfat*).

In presenting this valuable article to the public, we will state that this fat is derived from the wool of sheep, and in its present purified state has proven itself a superior remedy in cases of **Cuts, Sores or Bruises** of any kind from whatever source on **Horses or any other animal**. It keeps the wound clean and cool, and if properly applied a certain and speedy cure is sure to follow. It kills all the microbes, which make themselves manifest, thus preventing inflammation and gangrene. The most astounding results will be obtained. If used on **hard or brittle hoofs** on horses, **Woolfatine**, owing to properties peculiarly its own, is immediately absorbed into the hoof, thus imparting the necessary moisture, giving elasticity, preventing splits and cracks, and keeping the

hoof in a perfect and healthy state. In cases of **Stiff Joints, Swellings and Lameness**, it eradicates the pain and keeps the inflamed portion in a cool condition. It can be combined with any healing liquids or ingredients and strengthened by the addition of such, for the treatment of aggravated or severe cases or wounds.

FOR COWS. If udder is affected with hardened spots or lumps, apply a bit of **Woolfatine**, rubbing it in gently. It is in short invaluable to the **Farmer, Horse Raiser, Dairy-men and Breeders of Fine Dogs**, as it cannot be surpassed in healing **perfectly all Sores and Wounds** made by **Barbed Wire Fences** and all the other causes that **Live Stock** is subject to, having been severely tested with the most splendid results.

FOR THE HUMAN BODY. It is needless to state that **Woolfatine** has the same beneficial effects on the **Human Body**, and should, therefore, be kept in every household for emergencies. It cures and heals in a remarkably short time all the common sores, viz.: **Burns, Cuts, Bruises, Chapped Hands, etc.** It removes **Roughness, Sunburn, Tan, Freckles, Salt Rheum, Pimples, Blackheads, etc.** It removes **Dandruff** and improves the growth of the **Hair**, and prevents **Milk Crust, Eczema, Chafing** and other troubles so common among children. It is also a magnificent cure for **Rheumatic attacks** of all kinds, **Stiffness, Lameness, Swellings, etc.** **Woolfatine** should in all cases be thoroughly rubbed in. We are also manufacturing **Woolfatine Harness Grease** and **Woolfatine Harness Soap**, prepared from woolfat and pure liquid blacking ingredients, undoubtedly the best in the market; requires neither oiling nor dressing. Being absorbed by the leather in a few minutes the gloss will not rub off. **Woolfatine**, 1 lb. can, 60c.; 10 lb. cans, 50c. per lb. **Woolfatine Harness Grease**, 1 lb. can, 60c.; 5 and 10 lb. cans, 50c. per lb. **Woolfatine Harness Soap**, 25c. per lb.

FOR SALE BY **JOS. F. DICKMANN.**

THE GREAT MACHINE OF THE AGE.

J. I. CASE-KEELER SEEDER COMBINED MACHINE.

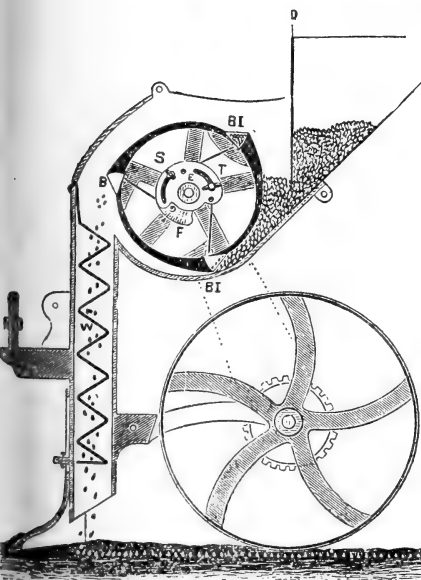
Eight Practical and Durable Tools in One
Combined Machine, \$12.00.

All Tools can be bought separately if desired

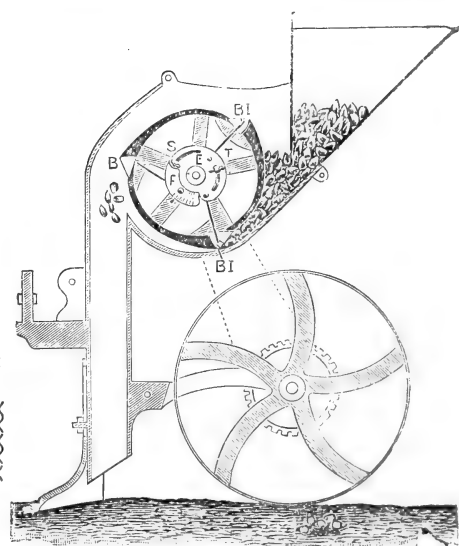
PRICES:

\$4.25,
\$4.50,
\$5.25
and
\$5.50

Send for Catalogue
fully describing this
wonderful machine



DRILLING.



PLANTING.

Peas, Beans, Fodder Corn, Beets, Turnips,
Celery, Radish, Salsify, Cabbage, Lettuce,
Carrot, Parsnip, Spinach, etc.
Plants Corn, Beans, Watermelons, Cucumbers,
Squash, Delinted Cotton Seed, Beets,
etc.

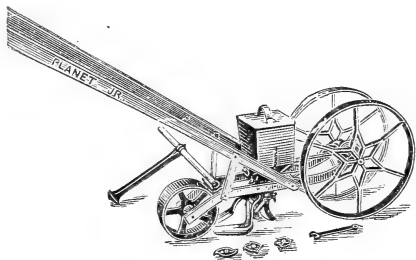
PLANTS IN HILLS any distance apart. Also **DRILLS** in a perfect continuous row. Handles all kinds of Seeds---Fine and Coarse.

The **SEEDER ATTACHMENT** is ADJUSTABLE to the frame the same as the other tools.
It has a **TWENTY-INCH Drive Wheel** and will **WORK** in **ROUGH SOIL** as well as **Smooth**.
Will **Hoe** or **Cultivate** on **BOTH SIDES OF A ROW**, as shown in **Cuts**.
ALL TOOLS are arranged to work **ONE** or **BOTH SIDES** of a row.
Each and Every Combination **SUPERIOR TO ANY OTHER** in the Market.
ADAPTED TO FARMERS, GARDENERS, FLORISTS AND NURSERYMEN.
The demand for a fertilizer distributor has been met and provided for in a very simple manner,
which distributes in hills and in continuous rows. The Fertilizer attachment is adjusted to the frame
the same as other tools, and is operated with the Seeder.

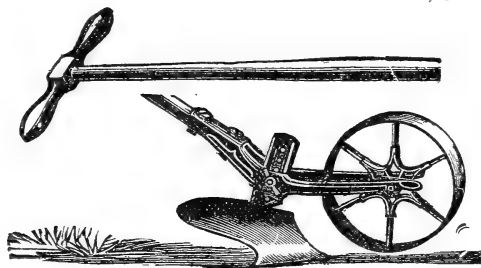
"PLANET JR." GARDEN TOOLS.

"Planet Jr." Hill Dropping Drill.

Has two carrying wheels, fifteen inches high and six inches apart. Has a **rubber double screw** agitator and a two-quart hopper. It sows in drills or **hills**, as desired, either

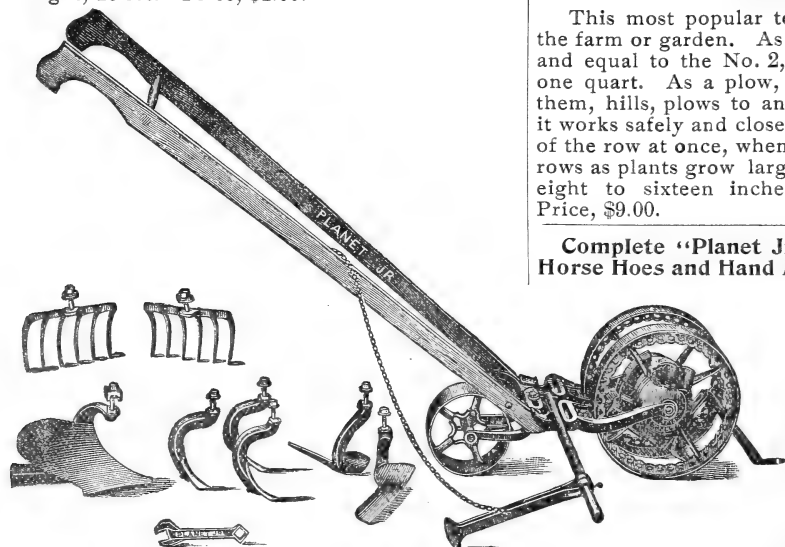


four, six, eight or twelve inches apart, and can be altered from one to the other in an instant. Does not sow when going backward or turning at end of row, and is altogether the most practical and accurate seed sower ever introduced. Price, \$9.50.



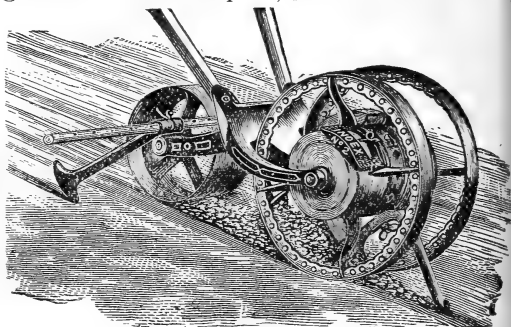
The Fire-Fly Wheel Garden Plow.

This little plow is very useful in opening furrows, covering seed and hilling growing plants. Weight, 10 lbs. Price, \$2.00.



New Combined Hill Dropping and Fertilizer Drill.

This is the same as the New Hill Dropping Seed Drill, except that it has a fertilizer sowing attachment. It works in a most perfect and regular manner, sowing any quantity, and is so arranged that the fertilizer can be placed **either above or below** the seed, covering it lightly. This machine is a perfect and invaluable tool for every **market gardener, onion and strawberry grower.** Price complete, \$14.50.



"Planet Jr." No. 2 Drill.

It has the following important advantages: An adjustable opening plow directly between the carrying wheels, the only position and plan which insures opening and covering at a regular depth. It is shown in the engraving at work. A spring back reservoir, which can be accurately and instantly adjusted a hair's breadth at a time to every kind of seed, which it always sows with regularity, whether there is much or little in the hopper. Weight, packed, forty pounds. Price, \$7.00.

The "Planet Jr." Combined Drill, Wheel Hoe, Cultivator and Plow.

This most popular tool is suitable for either the farm or garden. As a drill, it is exactly similar and equal to the No. 2, except in size. It holds one quart. As a plow, it opens furrows, covers them, hills, plows to and from, etc. As a hoe, it works safely and closely to and from both sides of the row at once, when plants are small, between rows as plants grow larger, working all rows from eight to sixteen inches wide at one passage. Price, \$9.00.

Complete "Planet Jr." Catalogue describing Horse Hoes and Hand Machines on application.

"PLANET JR." Combined Drill.

Our Net Price, \$9.00.

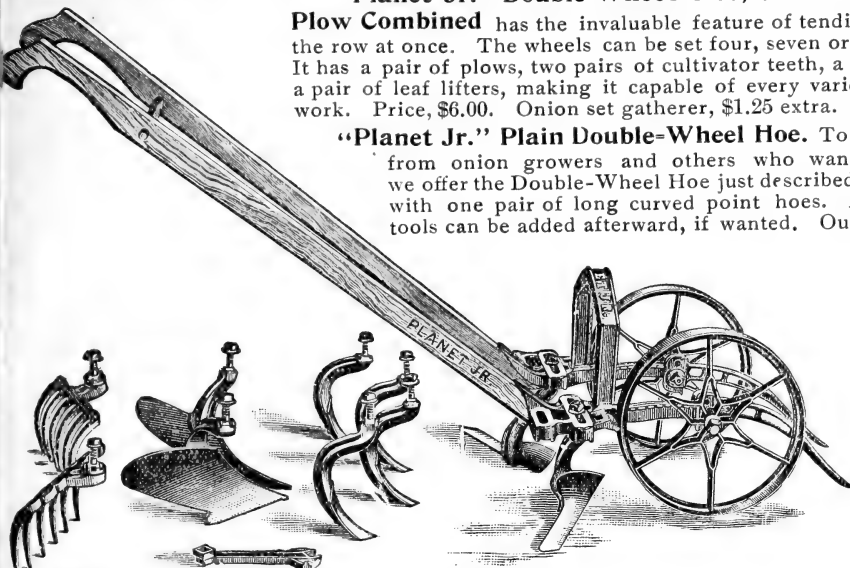
(List Price, \$12.00.)

Prices given on all "PLANET JR." goods include **BOXING** or **PACKING**, with **FREE DELIVERY** to any express or freight depot in St. Louis.

"PLANET JR." IMPLEMENTS—Continued.

"Planet Jr." Double-Wheel Hoe, Cultivator, Rake and Plow Combined has the invaluable feature of tending both sides of the row at once. The wheels can be set four, seven or ten inches apart. It has a pair of plows, two pairs of cultivator teeth, a pair of rakes and a pair of leaf lifters, making it capable of every variety of gardeners' work. Price, \$6.00. Onion set gatherer, \$1.25 extra.

"Planet Jr." Plain Double-Wheel Hoe. To meet the demand from onion growers and others who want a hoe only, we offer the Double-Wheel Hoe just described, supplied simply with one pair of long curved point hoes. Any of the other tools can be added afterward, if wanted. Our net price, \$4.00.



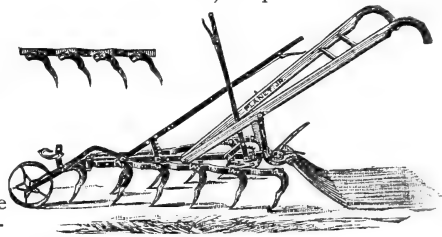
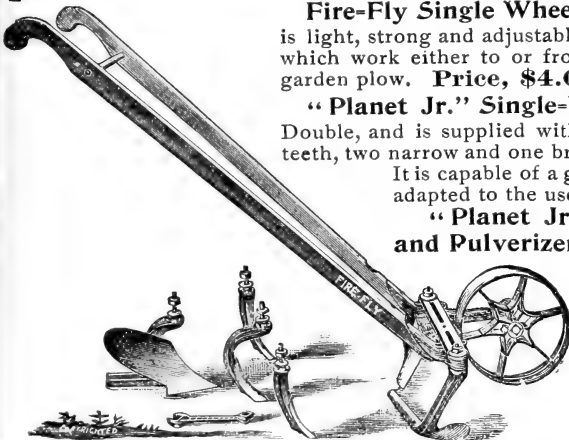
"PLANET JR."
Double-Wheel
Hoe.
 Our Net Price
\$6.00.

List Price \$8.00.

Fire-Fly Single Wheel Hoe, Cultivator and Plow Combined is light, strong and adjustable to quite a variety of work. It has two hoes which work either to or from the row, three cultivator teeth and one garden plow. Price, \$4.00.

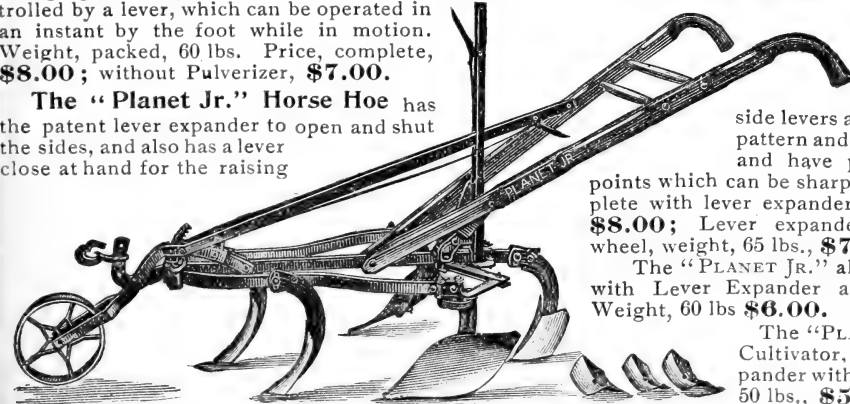
"Planet Jr." Single-Wheel Hoe is considerably lighter than the Double, and is supplied with one pair of hoes, three reversible cultivator teeth, two narrow and one broad, a large garden plow and a pair of rakes. It is capable of a great variety of combinations and is admirably adapted to the use of small gardens. Price, \$5.00.

"Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer. For fine cultivation, deep or shallow. The



reverse position given to the teeth in a short time by the changing of a single bolt in each. The Pulverizer is controlled by a lever, which can be operated in an instant by the foot while in motion. Weight, packed, 60 lbs. Price, complete, \$8.00; without Pulverizer, \$7.00.

The **"Planet Jr." Horse Hoe** has the patent lever expander to open and shut the sides, and also has a lever close at hand for the raising



and lowering the wheel, thus controlling the depth of working. The

side levers are also changed in pattern and are now reversible and have patent plow share points which can be sharpened. Price, complete with lever expander and lever wheel, \$8.00; Lever expander, without lever wheel, weight, 65 lbs., \$7.00.

The **"PLANET JR."** all Steel Cultivator, with Lever Expander and Lever Wheel, Weight, 60 lbs \$6.00.

The **"PLANET JR."** all Steel Cultivator, with Lever Expander without wheel, weight, 50 lbs., \$5.00.

Acme Hand Potato Planter

SIMPLE, DURABLE, PRACTICAL.

Works perfectly in Clay, Gravel or Sandy Soil, Sod or New Ground. Plants at any and uniform depth in moist soil.

Makes Holes, Drops and Covers at One Operation.

NO STOOPING
NO BACKACHE

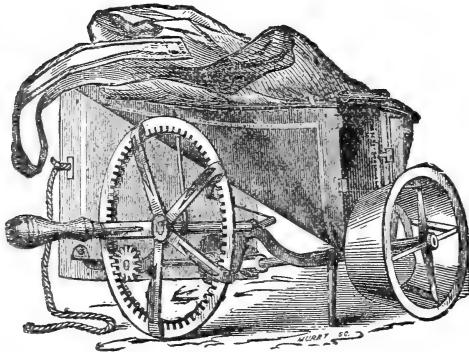
Insures Larger Crop

One Man Plants Two Acres a Day.



Price\$2 00

The Best Broadcast Seed Sower Made.



CAHOUN'S BROADCAST SEED SOWER. The most accurate and strongest machine of its kind made, as well as the most satisfactory. You can sow just the amount of seed you want to the acre more evenly than by hand, and a good deal faster. No one who has used one of these machines would be without them. Full directions with each machine.

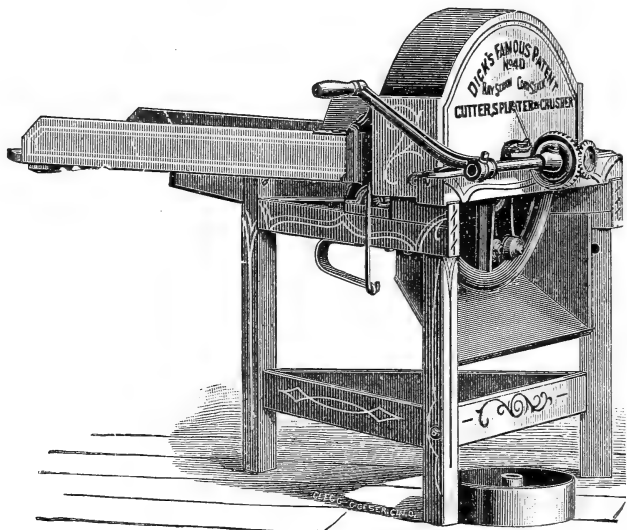
Price.....each, \$3 00

Fiddle Bow Seed Sowers.

An old reliable kind, but not as accurate or as strong as the Cahoun.

Price, complete.....each, \$1 75

DICK'S FAMOUS PATENT FEED CUTTING MACHINERY.



INDISPENSABLE to stock feeders. Simple in construction, easy to operate and the most perfect implement for cutting feed in the world. Special features of this cutter are: Straight knives, adjustable shear bar, patent knife adjustment, self-feeding universal rolls, which yield to the uneven thickness of the feed passing between them; a lever giving you complete control of the rolls, revolving them **forward, backward or stopping them at will**; encased feed gear on all power machines, which protects the gearing from grit and dirt and renders the machine absolutely safe to operate. It is more durable, less liable to get out of order, cuts more feed with less power than any machine in the market.

Patronage solicited and **satisfaction guaranteed.** For further information and prices, address,

H. REINSTEDLER,

1104 to 1108 N. Third Street,

ST. LOUIS, MO.



— THE —

American Standard Hand Corn Planter.

THE UNIVERSAL FAVORITE.

The only Planter containing an adjustable dropping disc.
The disc is quickly adjusted for a light or heavy seeding, and rotates similar to the disc in a Horse Planter.
The planter is easily operated by a **Boy or Girl.**
Works in all kinds and conditions of soil, and is the only one which insures an accurate and reliable seeding.
Try one; it speaks for itself.

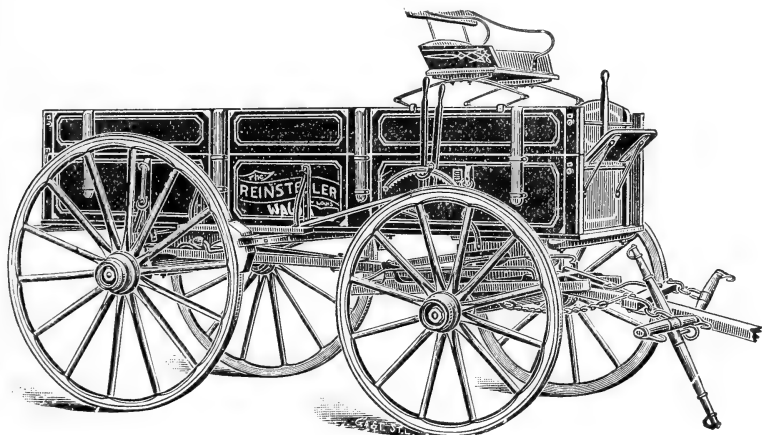
Each..... \$1 50

IMPROVED TRUSS SKEIN WAGON.



Each axle has a flat strap of iron underneath, connected by Cuff Bands at Shoulder. Bottoms are double where they rest on Bolster, round or square hounds; two Box Straps in center, on each side of bed; two Braces and Steps outside; Footrest in front. The body is painted Deep Green; Gears are painted Vermillion Red, and all our work is neatly striped and well varnished.

We use the very best selected Hickory axles in all our wagons. The timber in our running gear is the very best selected white oak. Our wheels have a coat of hot linseed oil before being painted. We warrant our wagons to be a light runner and first-class in all respects. Any breakage occurring within one year, caused by defective material or workmanship will be made good to the purchaser; provided such imperfection can be shown to the satisfaction of the dealer from whom the wagon was purchased. We do not place our wagons in the hands of dealers on consignment, to be paid for when sold to the consumer, nor do we sell on long time, and as a result our wagons are placed on the market at cash prices. When a dealer asks you a higher figure for other brands, and very often an inferior wagon, remember you are asked credit prices.



In offering this wagon to the trade, we do so strictly on its merits; we do not claim any wonderful or superior intellect, nor **CLAP-TRAP** nonsense about experience in manufacturing, or the nature grows our timber especially for our use. We simply offer a **GOOD, HONEST** wagon to the trade at living prices.

For its light-running quality, durability and service, we claim our wagon equal to any in the market.

H. REINSTEDLER,

... MANUFACTURER AND JOBBER IN ...

Farm and Spring Wagons, Buggies, Surreys

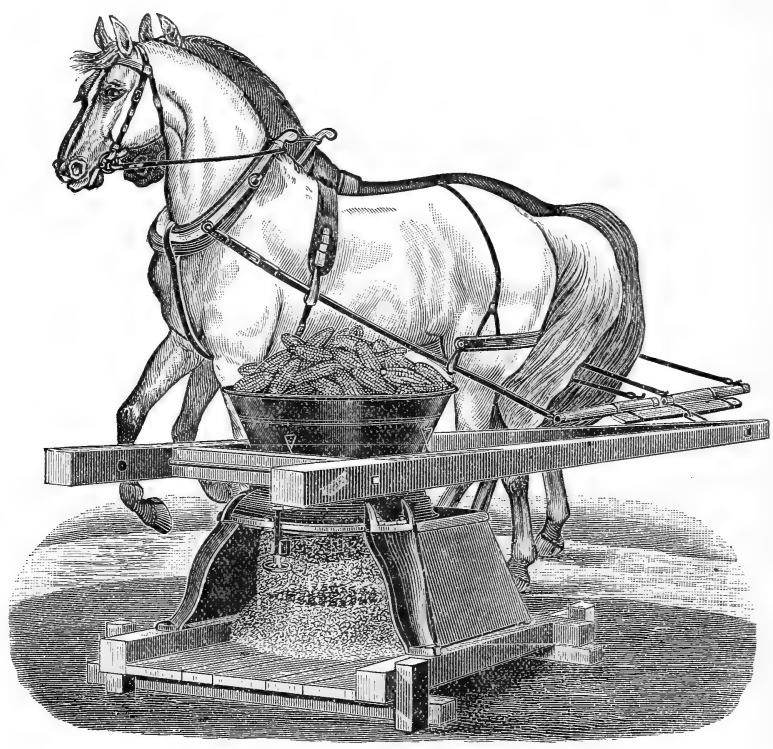
AND ALL KINDS OF VEHICLES,

1104 TO 1108 NORTH THIRD STREET,

WRITE FOR PRICES AND CATALOGUE.

ST. LOUIS, MO.

SCIENTIFIC SWEEP SEED MILL.



THE BEST MILL ON EARTH.

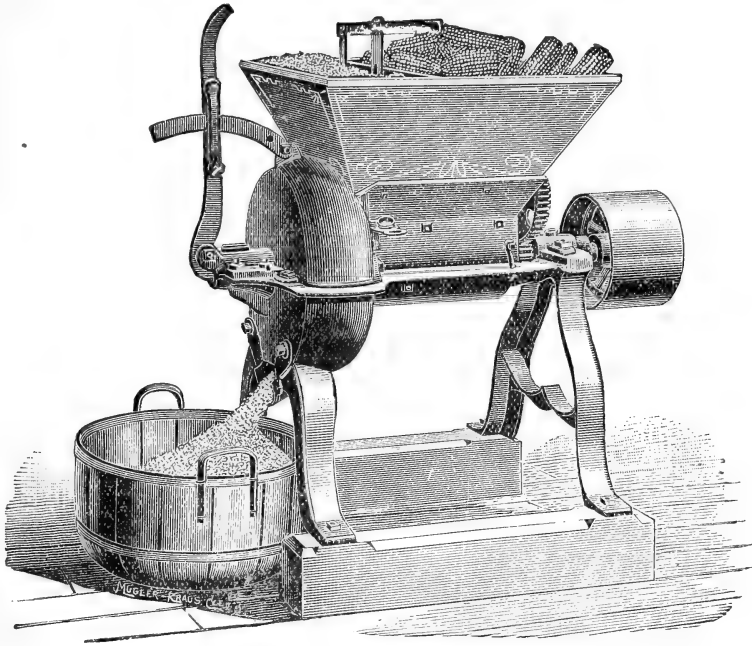
Grinds ear corn, new, dry or damp; shelled corn, alone or mixed with other grain for chop feed; oats, etc., and is so arranged that the interior parts of the mill revolve with the revolutions of the team and the power is applied directly to the grinding parts, thereby making the draft very light.

Consider this point as it is a vital one in such a mill and with other special features makes the "Scientific" superior to others.

It is extremely simple, having no cog gearing or complicated machinery to get out of order and any one who can drive a team can readily operate it, as it is only necessary to set in place, hitch the team to it, put in grain and grind away, the quality of work being easily and quickly regulated while the team is in motion.

Price of Mill complete, with one set of plates	\$35.00
Extra Grinders, additional.....	4.00
Platform, additional	1.00

“PEERLESS” GRINDING MILL.



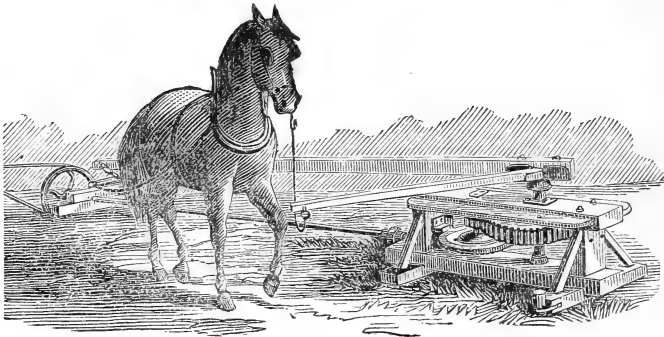
For Shelled Corn, Ear Corn or Small Grain.

No. 1—“PEERLESS” MILL—Has 12-inch grinding plates and is suitable for engines from 6 to 10 horse power. It should be run at a speed of about 1,000 revolutions per minute. Estimated capacity, from 15 to 30 bushels of meal per hour. Wt., 390 pounds\$52 00

No. 2—“PEERLESS” MILL—Has 14-inch grinding plates and is suitable for engines from 10 to 16 horse power. The mill should be run at a speed of about 900 revolutions per minute. Estimated capacity, from 20 to 35 bushels of meal per hour. Wt., 440 pounds\$60 00

Grinding Plates, per set **\$3 50**

HORSE POWERS, JACKS, ETC.



ONE HORSE DOUBLE PINION POWER.

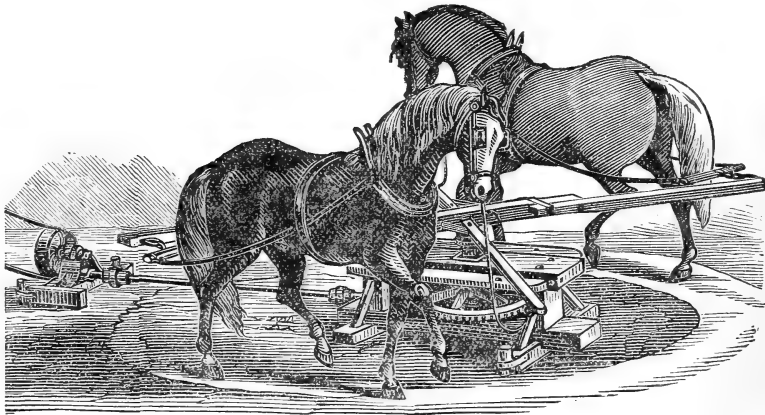
These One Horse Double Pinion Powers are suitable to run Corn Shellers, Cutting Boxes, Cider Mills, Fanning Mills, Circular Saws, Pumps, Drills, Hoisting Derricks, and all the varied wants where One Horse Powers are used.

These powers are speeded to make 23 revolutions of tumbling rod to horses' once around, and will give sufficient speed to run any of the above machines, as you get the motion geared up in the power and do away with the use of Jack.

A power speeded up in this way runs easier than slow motion power and speeded with a Jack.

It is well built of Hard Wood, Wrought Shafts and Babbitted Boxes, and nicely painted.
 ONE HORSE DOUBLE PINION POWER, with Lever and Lead Pole, weight, 400 lbs.....\$35 00

HORSE POWERS, JACKS, ETC.

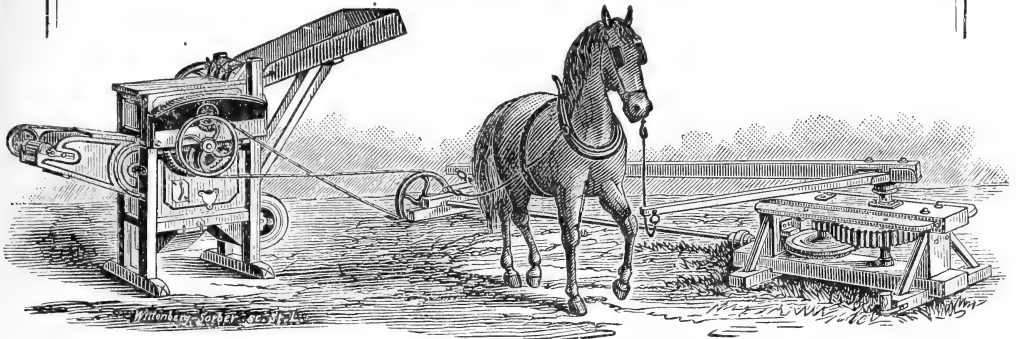


My Two Horse Power is well made of Hard Wood, Wrought Shafts, Babbitted Boxes, nicely finished. Makes 9 revolutions to horses' once around; suitable for all kinds of work; is compact and strong.

Two HORSE POWER with Two Levers and Two Lead Poles, weight, 450 lbs	\$40 00
Single Jack, with 20 inch Band Wheel, increases speed 3 times, weight, 130 lbs.....	15 00
Double Jack, with 20 inch Band Wheel, increases speed 9 times, weight, 180 lbs.....	25 00
Tumbling Rod, Square Ends and Knuckle, weight, 40 lbs	5 00
Tumbling Rod, One End Round, weight, 40 lbs	5 00
Knuckles, each	2 00
20 inch Band Wheels.....	5 00
20 inch Rope Shives	3 50
Rope Belts, complete.....	4 00
Long Rod Blocks	2 00

RUSTIC POWER CORN SHELLER,

WITH FAN AND SEPARATOR.

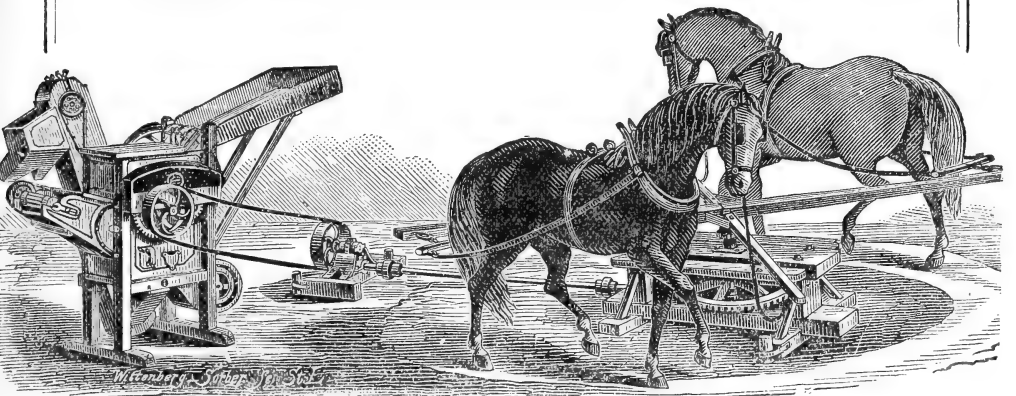


FARMERS' ONE-HORSE POWER RIG, COMPLETE.

"RUSTIC" SHELLER.—See Description, page 7.

This Rig is my regular "Rustic" Two-Hole Sheller with One-Horse Power, and is, as its name indicates, a One-Horse Power Rig. It will do good work. Has capacity per day of 400 bushels.

- "Rustic" Two-Hole Power Sheller**, with Feed Table, One-Horse Power, one Tumbling Rod, 20 inch Rope, Shive and Rope Belt, Complete. Weight, 900 lbs..... **\$105 00**
- Double Sacking Elevator**, for same, add..... **15 00**
- For Rubber Belt and Band Wheels** instead of Shives and Rope Belt, add..... **10 00**



FARMERS' TWO-HORSE POWER RIG, COMPLETE.

"RUSTIC" SHELLER.—See Description, page 7.

This Two-Horse Power Sheller Rig has a capacity of 600 bushels of corn per day, is a good Rig and very popular with Farmers.

- "Rustic" Two-Hole Power Sheller**, with Feed Table, Two-Horse Power, Single Jack, one Tumbling Rod and Rubber Belt, Complete. Weight, 1000 lbs..... **\$135 00**
- Wagon Elevator**, 9 feet for Car or Wagon, Weight, 150 lbs., add... **25 00**
- Double Sacking Elevator**, for sacking corn. Weight, 60 lbs., add..... **15 00**

WARRANTED TO DO GOOD WORK.



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Seeds of Special Merit... 9 to	13	Thyme.....	57	Wormwood.....	57

FLOWER SEEDS AND BULBS.

Abronia.....	66	Calla Lilly Spotted and White	81	Gaillardias.....	70
Abutilon.....	66	Caladium Bulbs.....	82	Gamolepis.....	70
Acrolinium.....	77	Canna Roots.....	82	Geraniums.....	80
Adonis.....	66	Centaurea.....	68	Gilia.....	70
Ageratum.....	66	Celosia.....	68	Gladiolus (bulbs).....	82, 83
Agrostemma.....	66	Centaurea (gymnocarpa).....	80	Gloxinia (bulbs).....	82
Agomphren.....	77	Chrysanthemum.....	68	Gloxinia (seed).....	80
Agrostis (grass).....	77	Chrysurus Cynosuroides.....	77	Grasses (ornamental).....	77
Agaphanthus.....	79	Chrysanthemums (perennial).....	78	Greenhouse Seeds.....	79, 80, 81
Alyssum.....	66	Chrysanthemum (frutescens).....	80	Godetia.....	70
Alonsoa.....	66	Cineraria (Maritima).....	69	Gypsophila.....	70
Alyssum (saxatile).....	78	Cineraria (hybrida).....	80	Gynerium Argentium (Pampas	
Amaranthus.....	66	Cinnamon Vine Roots.....	81	Grass).....	77
Ammobum.....	77	Collomia.....	69		
Amaryllis Bulbs.....	81	Cosmos.....	69	Helichrysum.....	77
Amorphophallus Rivieri.....	81	Convolvulus.....	76	Helianthus.....	70
Antirrhinum.....	66	Coix Lachryma.....	77	Heliotrope.....	70
Aquilegia.....	78	Coleus.....	80	Helipterum.....	77
Aristolochia.....	78	Cobea Scandens.....	76	Hibiscus.....	70
Asperula Odorata.....	78	Collections of Plants.....	84	Hollyhocks.....	78
Asters.....	67	Crepis.....	69	Honesty.....	78
Asperula.....	67	Cuphea.....	69	Hordeum, Squirrel Tail Grass	
Avena (grass).....	77	Cyneglossum.....	69	Humulus.....	77
		Cypress Vine.....	69	Hyacinthus (candicans).....	83
		Cyclamen.....	80		
Balsam, Apple (momordica).....	76			Ice Plant.....	70
Balsam, Pear.....	76	Datura.....	69	Ipomea (Bona Nox).....	76
Balsam.....	67	Dahlia (seed).....	70	Ipomea Mexicana.....	83
Bartonia.....	67	Dahlia (roots).....	82	Iris.....	78
Balloon Vine.....	76	Delphinium.....	78		
Begonia (seed).....	79	Dianthus.....	78, 69	Jacobæa.....	70
Begonia Bulbs	81	Digitalis (Foxglove).....	78		
Bellis.....	68	Dolichas (Hyacinth bean).....	76	Lagurus Ovatus.....	77
Brachycome.....	67	Dutch Bulbs.....	84	Lantana.....	80
Browallia.....	67			Larkspur.....	70
Briza Gracillis.....	77	Egg Plant (ornamental).....	70	Lathyrus (Perennial Peas).....	78
Briza Maxima.....	77	Erianthus Ravennæ.....	77	Lemon Verbena.....	80
Bromus.....	77	Erysimum.....	70	Lenox Sprayer.....	89
		Eschschooltzia.....	70	Lilies (bulbs).....	83
Calendula.....	68	Everlasting Flowers.....	77	Lily of the Valley.....	78
Candytuft.....	78	Eulalia Japonica.....	77	Lily of the Valley (roots).....	83
Cannas.....	68	Euphorbia.....	70	Linaria.....	70
Castor Beans.....	68			Linaria (Cymbalaria).....	80
Calliopsis.....	68	Ferns.....	80	Linum.....	70
Canary Bird Flower.....	78	Forget Me Not.....	70	Lobelia.....	70
Campanula.....	78	Four O'clock.....	70		
Carnations.....	76	Fuchsias.....	80		
Calceolaria.....	79				

Flower Seeds and Bulbs—Continued.

Love-in-a-Mist.....	70	Oxalis (seed).....	71	Silene.....	74
Lupinus.....	70	Oxalis (bulbs).....	83	Stevia Serrata.....	74
Lynchnis.....	70			Smilax.....	81
		Pæony Seed.....	78	Stipa Pennata.....	77
Malope.....	70	Pæony Roots.....	83	Stocks.....	74
Marigold.....	71	Pansies.....	72	Stocks (Perennial).....	78
Marvel of Peru (<i>4 o'clock</i>).....	71	Passiflora (<i>Passion Flower</i>).....	80	Sweet Peas.....	77
Matricaria.....	71	Pavaver (Perennial Poppies).....	78	Sweet Sultan.....	74
Mathiola.....	71	Peas (Sweet).....	77	Sweet William.....	78
Maurandya.....	76	Pennisetum.....	77		
Maderia Vine.....	83	Perennial Flowers.....	78, 79	Targets.....	74
Medicago.....	71	Perilla.....	72	Thunbergia.....	77
Mexican Morning Glory Roots.....	83	Petunias.....	72	Tigridia (bulbs).....	83
Mixtures of Flower Seeds.....	75	Phlox.....	73	Trifolium.....	74
Mignonette.....	71	Phlox (Perennial).....	78	Tritoma (<i>Red-Hot-Poker</i>).....	79
Mimulus.....	71	Poppies.....	73	Trycholana (rosea).....	77
Mina Lobato.....	76	Portulacca (Moss).....	73	Tuberose (bulbs).....	83
Momordica.....	76	Primula.....	78		
Moon Flower.....	76	Primulas, Chinese.....	81	Verbena.....	74
Musa Ensete.....	80	Pyrethrum.....	78	Vinca.....	81
Myosotis.....	71			Vinca (<i>Periwinkel</i>).....	74
		Rhodanthe.....	77	Violet.....	79
Nasturtiums, Tom Thumb sorts.....	71	Ricinus (<i>Castor Oil bean</i>).....	73	Violets (sweet).....	74
Nasturtium (climbing).....	76	Rocket.....	79	Viscaria.....	75
Nemophila.....	71				
Nigella (<i>Love-in-a-mist</i>).....	71	Salpiglossis.....	73	Wallflower.....	79
Nicotiana.....	71	Salvia.....	73		
Nolana.....	71	Saponaria.....	74	Xeranthemum.....	77
		Sanvitalia.....	73		
Oenothera.....	71	Scabiosa.....	73	Zinnias.....	75
Ornamental Grasses.....	77	Schizanthus.....	75		
Ornamental Gourds.....	77	Sensitive Plant.....	74		

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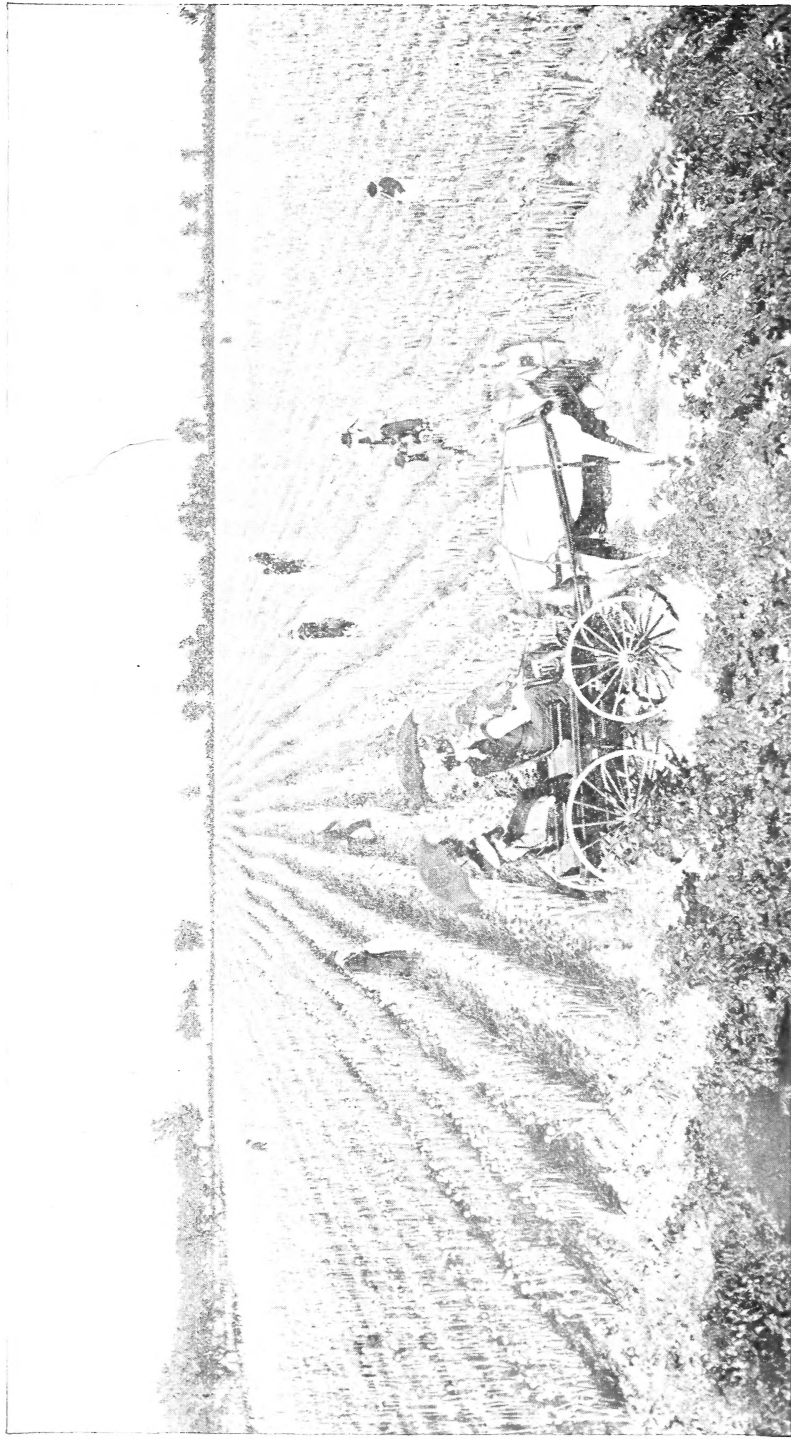
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