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ESTABLISHED 1878.

Jos. F. DICKMANN,

ANNUAL * 1891 * CATALOGUE

.. OF RELIABLE ..



FOR THE GARDEN, FARM, AND FIELD.

ST. LOUIS, - MISSOURI.

NEW LETTUCE, "BIG BOSTON."

(NOVELTY, 1890.)



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 valuable variety either for forcing or open ground planting. (*See cut.*)

1 lb., \$4.00; ½ lb., \$2.00; ¼ lb., \$1.25; 1 oz., 40c.

GREETING.

NOTHING would give me more pleasure than to extend in person our right hand of *greeting* to each and every one of our *old friends and customers* and personally thank you for your continued patronage, kind recommendations and good words spoken for me among your neighbors and friends; but as that would be a herculean task, which no man could perform, I can only return you my thanks and best wishes for a happy and prosperous New Year through the medium of this, my **GARDEN AND FARM MANUAL**. I shall strive to prove myself worthy of your confidence by continuing to deal liberally with you and in supplying "*only the Best.*"

Very truly yours,

J. F. DICKMANN.

SEEDS FREE BY MAIL.

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 P. O. 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 safely and 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 on all vegetable seeds. When sent in this way the purchaser pays the transportation charges on receipt of seed.

WE GUARANTEE ALL SHIPMENTS

of Seeds, Bulbs, Plants and Implements shall reach the purchaser safely and in good condition.

HOW TO SEND MONEY.

Cash should always accompany the order. We will be responsible for all money sent to us by *Postal Note, P. O. Order, Bank Draft, Ex-*

press or *Registered Letter*. Every postmaster is required to register any letter on payment of ten cents extra postage. The cost of remitting may, in all cases, be deducted from the amount sent. Amounts of one dollar or less may be sent by ordinary letter.

POSTAGE STAMPS THE SAME AS CASH.

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

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 expensive 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.

CHEAP FREIGHT.

Freight rates from St. Louis to all points in the United States are now very low. Customers at a distance requiring large quantities of Garden and Field Seeds should order early, that their seeds can be sent this way, being cheaper than by express. Small orders, however, can often be sent as cheaply by express.

CULTURAL INSTRUCTIONS.

To assist such of my customers as have not had much experience in gardening operations, we preface our list of seeds with a few hints on the general culture of plants and vegetables, giving the result of our experience in gardening, which has been long and varied. We do this to remove, in a measure, many false ideas that exist, not only as to methods of culture, but as to the necessity of a peculiar soil and situation for a given crop. There seems to be a pretty general impression that many kinds of vegetables and flowering plants cannot be grown excepting in a certain soil. Than this, there can be no greater mistake; a mistake that has deprived many amateurs of lovely flowers and delicious vegetables and fruits. The question of

SOILS

is an arbitrary one; it admits of no choice; you must 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 those of another, but we consider the result due more to culture and atmospheric condition than to the variations of soil. Let us make an illustration. The far-famed Oyster Bay asparagus is grown on a very heavy loam, with a very hard sub-soil. Another section of Long Island is as justly celebrated for its asparagus; there the soil in many places is a light drift sand, with a loose, gravelly sub-soil. The product of the one section is quite as good as that of the other.

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 put in an appearance, 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 are removed, press the earth firmly around the remaining ones.

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 towards 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, cauliflowers, 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.

THE TIME TO SOW

is when the ground is warm and dry—after all danger from frost is past. Have the soil prepared finely and smooth. Make the drills regular and shallow, so that when the seeds are covered it will not be more than a quarter of an inch for small seeds, or half an inch for corn, beans or squash. After covering, tread them in—a roller is not sufficient—to press the earth firmly, so that when the roots start they will find something to cling to, and feed upon; nothing but heavy tramping will answer this purpose. In most cases, failure of seeds to germinate and make a satisfactory growth may be attributed to two causes,—first, covering too deeply, and the second, too loosely; avoid these errors, and success is assured.

ARTICHOKES.

To be grown successfully, the soil must be worked deep and made very rich with well-rotted manure. Sow the seeds in a frame in February or March, or in the open ground as soon as it can be safely worked. When large enough, transplant into rows three or four feet apart and two feet in the rows. They reach maturity the second year. It is an excellent vegetable and easily grown, thriving in any situation, provided the heads are cut off and used as fast as they get ready; if left to ripen on the plant they exhaust it, and no more are produced that season.

ARTICHOKES. JERUSALEM.

Cut and plant the same as potatoes. They will grow and produce enormous crops, in any soil or situation, yielding the largest crops in dry, open situation.

ASPARAGUS.

Sow the seeds thinly, in rows one foot apart, in April or May, and keep down all weeds. Radish or lettuce seed may be mixed with it, so as to mark the rows readily, and allow the weeds to be destroyed as soon as they appear. To secure strong, healthy plants, thin out the seedlings to three or four inches in the rows, saving only the strongest. In planting for private use, set out in beds five feet wide, three rows in a bed, the outer being each one foot from the edge, and allow twelve inches in the rows; set the plants at least six inches below the surface. For market on a large scale, set four feet apart one way and one and a half the other, which will allow the use of a horse and cultivator to keep the weeds under. Every fall a good dressing of coarse manure should be applied after the tops have been cut, and in the spring forked in. A dressing of coarse salt given in spring, at the rate of two pounds to the square yard, will be found very beneficial.

BEANS.—Bush or Dwarf.

Plant as soon as the ground is warm and dry, in drills two and one-half feet apart, and drop the beans three inches apart. For a succession sow every three weeks until the first of August.

BEANS.—Pole or Running.

These are more tender and require rather more care in culture than the dwarf varieties. They should be planted at least two weeks later, to guard against rotting, and for perfection the soil should be very rich.

BEETS.

Cultivation has more effect in the quality of this than of almost any other vegetable. To be sweet and tender it must be grown quickly, a result that can only be obtained by having the soil worked deep, made light and rich by liberal application of well-rotted manure. The beet will grow in almost any soil, but to its greatest perfection in a deep, sandy loam. Sow in drills fourteen to sixteen inches apart.

BORECOLE OR KALE.

Cultivate the same as cabbage. For summer and fall use, sow in April and transplant in June. For early spring greens sow in September; cover with litter, leaves, or marsh hay during winter.

BROCOLI.

Requires, in all respects, the same treatment as cauliflower. It is a gross feeder, consequently the soil should be very deep and rich.

BRUSSELS. SPROUTS.

Sow the seed in May in the same manner as cauliflower; transplant in July, in rows three feet apart, plants one foot apart in the rows.

CABBAGE.

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 ploughed in autumn. For late varieties, plough about the first of June; cross plough 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 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, where the best seed sold in this country is produced. All plants put out for seed purposes have heads fit for market, and the selection is made by one of the largest and most experienced cabbage seed growers in this country, one who has introduced some of the best and most popular varieties under cultivation.

CARROT.

Sow as early as the ground can be worked; or, for late crop, until latter part of July; for main crop, sow from the middle of May to the 1st of July. Thin out early crop to five inches in row; main crop six to seven inches, the rows ten inches apart for early crop, fourteen for main crop. Hoe often and deeply between the rows. Soil should be richly manured and deeply dug.

CAULIFLOWER.

This will thrive under the same conditions as cabbage, other that it requires more manure and moisture. For time of sowing and setting the plants, see cabbage.

CELERY.

Sow the seed in a well prepared soil as soon as the ground is in a proper condition to work; sow in drills and tread the seed firmly in; thin out to an inch apart, and keep the ground well worked and free from weeds. In order to secure stock plants, cut off the tops once or twice before transplanting, which should be done in July. Make the soil very rich with well-rotted manure, which should be dug in deep. Set the plants eight to twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the centre shoots.

CORN SALAD, OR FETTICUS.

Sow early in the spring, in drills one foot apart. If for early spring use, sow in September, cover with straw or hay as soon as cold weather commences, and it will winter over same as spinach.

CRESS OR PEPPER-GRASS.

Sow in drills six inches apart; cover very slightly.

DANDELION.

Sow the seed early in May or June, in drills half an inch deep and twelve inches apart. The following spring it will be ready for use.

CUCUMBER.

Plant in rich, warm soil, in hills four feet apart. Manure the hill well by mixing a shovelful of the soil with same quantity of manure. For pickles, plant from June till middle of July.

To kill the bugs that infest vines, mix half a teaspoonful of Paris Green in a pail of water and sprinkle the vines at night.

ENDIVE.

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 together. The simplest means of excluding the light will suffice to blanch them thoroughly.

EGG PLANT.

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

KOHL-RABI.

For an early crop start in hot-bed and treat same as early cabbage; if for late crop, sow in June or July. Remove the plants early in the fall and store for winter use, the same as turnips.

LEEK.

Sow early in the spring in drills, one inch deep and one foot apart. When six or eight inches high, transplant in rows ten inches apart each way; use plenty manure to grow to large size.

LETTUCE.

For use in summer months, sow in rows one foot apart, about the middle of April in open ground, and thin out the plants to one foot apart. Seeds sown in hot-beds in March will, if kept from cold, make good plants by April. For main early crop, seed may be sown in the open ground in the middle of September and transplanted into cold frames when large enough to handle them; then treat same as cold frame cabbage, and plant out in early spring.

MARTYNIA.

Sow in May, in the open ground, three feet apart in each direction, where the plants are to remain. The young pods are excellent for pickles.

MELONS.

All melons thrive best in a light, dry, sandy soil. Sow musk mellow seed after all danger of frost is past and the ground is warm and dry; plant in hills six feet apart each way, ten seeds in a hill. When the plants have made the second pair of leaves, thin out to four in a hill. Should insects appear, treat with Paris Green, the same as cucumbers.

Water melons require the same condition for their perfect development, except that the hills should be twelve feet apart. Choose the warmest situation for all kinds of melons.

MUSTARD.

Sow in April thickly in rows and cut when two or three inches high. For use during the winter, it may be sown in succession in boxes, in green-houses, or in frames.

NASTURTIUM, OR INDIAN CRESS.

Sow as soon as all danger of frost is past, in drills about an inch deep. The tall kinds require fences or poles, on which to climb for support. If left to trail upon the ground, the fruit is apt to be injured. Select the poorest soil in the garden, and do not manure.

OKRA, OR GUMBO.

This plant will grow anywhere in the garden. Plant in hills two or three feet apart, and thin out to a single plant.

PARSNIP.

Give the richest and deepest soil to the long varieties of parsnip; the turnip sort will grow well on shallow soil. Make the soil very fine, and plant the seed early in rows eighteen inches apart, thinning plants to five inches in the rows. The seed should be planted half inch deep. To keep well in the ground over winter, draw a little earth over the tops.

PEAS.

Peas for an early crop should be planted in the spring, soon as the ground can be worked, in light, rich soil. For private use sow in double rows eight inches apart; for market, in single rows two or three inches deep, and from two to three feet apart. Fresh manures should not be used, as they have a tendency to cause the vines to grow too rank and tall.

PARSLEY.

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

PEPPER.

Should be sown in hot-bed early in April, and transplanted in open ground as soon as weather permits. The plant should be set in warm, mellow soil, in drills two feet apart, and about two feet apart in the row, or may be sown in open ground soon as weather permits and all danger of frost is over.

PUMPKIN.

Cultivated as squash, which see for general directions.

RADISH.

For early use sow in spring as soon as the ground can be worked, in drills six to ten inches apart, covering seed half-inch deep. Thin plants an inch apart in the row. As the roots are more succulent and tender grown quickly, a rich, light soil should be preferred, and frequent watering in dry weather will be found beneficial. For a succession, sow every two weeks. The olive-shaped varieties are more tender, sweeter, and earlier than the long kinds, and not so apt to be worm eaten.

RHUBARB.

Sow the seed in drills eighteen inches apart, and cover one inch deep. Thin the plants to a foot apart. When the plants are one year old, prepare the ground for the final bed by trenching two feet deep, mixing a liberal quantity of manure with the soil. Set the plants five feet apart each way. Do not cut until the second year, and give a dressing of manure every fall. If it is desirable at any time to increase the bed, the roots may be taken up in the spring and divided.

SALSIFY, OR VEGETABLE OYSTER.

Sow in early spring on light, rich soil, in drills fourteen inches apart, and thin the plants to three inches in the row. The roots will be ready

for use in October, and will sustain no injury by being left in the ground during the winter. When cooked, the flavor somewhat resembles the oyster.

SPINACH.

For summer use sow early in spring, in drills eight inches to one foot apart, covering the seed one inch deep. Select rich soil and manure liberally. A succession may be obtained by sowing at intervals of two weeks during the season. For early spring use, sow in August.

SQUASH.

Squashes, like all other vines, are partial to a light, dry, rich soil. Plant the running varieties in hills ten feet apart each way, thin out to three plants in a hill. Cultivate frequently until the vines commence running, after which, do not work the soil deep. Use Paris Green to destroy bugs, as with the cucumber. Plant bush squashes in hills five feet apart each way, thin out to four plants in a hill.

TOMATO.

The cultivation of the tomato is usually neglected, from the fact of its always producing good crops under all circumstances. The fact of its doing moderately well under poor, or ordinary cultivation has a tendency to deprive it of the care and attention it so justly deserves. The tomato is a gross feeder as may be seen by its rampant growth; it therefore requires generous treatment, which means a deep, rich soil, in order to give its underground growth an equal chance with the fruit-bearing parts. To grow the tomato to perfection, the soil should be dug out to the depth of two and a half feet, and at the bottom there should be a half-bushel of well-rotted manure, that from the cow stable having the preference; above this, let the soil be about equal parts of good garden loam and manure thoroughly mixed. Let the hills be six feet apart, and furnish a light, cheap trellis for the plants' support. Let the situation be open, warm and airy; under these conditions, six plants will furnish sufficient tomatoes for a family of twelve persons. Whatever variety may be planted in this manner, the results will show specimens of size, smoothness, and esculent properties unknown to the parent when grown in the ordinary manner.

Sow the seeds in a hot-bed, or in boxes in the house, in March, pick out when two pair of leaves are formed, either single in pots, or to another part of the hot-bed where they should be four inches apart in order to make strong, stocky plants. Twice transplanting, give larger pots or more room in the bed; will more than repay the trouble by well-developed plants. Transfer to the garden when the weather will permit, but do not be in too great haste; better by far wait for steady, warm weather, then success will be complete.

TURNIP.

For early use sow the small sorts as soon as the ground can be worked in the spring, in drills fourteen inches apart, the Ruta-bagas thirty inches. As the seed is very fine, it should be covered but slightly, excepting in very dry weather.

For fall and winter use the early kind should be sown from the middle of July to the middle of August, and the Ruta-bagas from the middle of June to the first of July.

HERBS.

The seeds of the perennials should be sown in seed-bed about the middle of spring, and in the autumn or spring transplant them to a proper distance apart. The seeds of the annuals, or those that come to perfection the first year and die, should be sown in shallow drills middle of spring, and when up a few inches thin out to ten inches apart.

NOTICE.

PRICES IN LARGE QUANTITIES ON APPLICATION.

JOS. F. DICKMANN.

—OFFICE OF—

JOS. F. DICKMANN.

GRAVOIS AND OREGON AVE.

To my Friends and Customers:

Nothing used by the planter is of greater consequence than the Seed. The best of Seed may result in failure, inferior Seed is sure to fail.

We select our stocks with great care, and pay liberal prices for growing our Seeds, thus we secure **The Best**. Our importations are from the best known and most reliable growers in Europe. We feel justified in saying that all our Seeds are the **purest and best to be found**; but at the same time it must be understood **that we sell no Seeds with warranty, express or implied, in any respect, and will not be in any way responsible for the crop.**

Parties ordering will please send the money at the time they send us their order, and if the money is sent with the order and received by us, we guarantee the safe arrival of all shipments, but cannot assume any responsibility for delay in transit. All money may be sent at our risk, if sent in the following manner: *Post Money Order or Draft on St. Louis.*

In remitting, purchasers will be particular to send a sufficient amount to cover their orders. When only a part is remitted, goods will be sent only to the amount of the remittance. No goods sent C. O. D.

NAME AND ADDRESS.—We earnestly request our correspondents to be particular and give their NAME, POST OFFICE ADDRESS, COUNTY AND STATE, IN FULL, DISTINCTLY WRITTEN.

Every possible precaution will be used by us to prevent any mistakes, but should such occur, we wish to be notified *at once*, and they will be cheerfully rectified, as *it is our aim and desire that every transaction with us shall be perfectly satisfactory.*

We thank our many correspondents for past favors, both for orders received, and for speaking so kindly of us to their friends, and awaiting further favors, which shall receive our best care and prompt attention, we remain,

Respectfully Yours,

JOS. F. DICKMANN.

Garden Seeds.

All Orders Subject to Approval.

Prices given here are based upon Customers paying Express or Freight charges themselves up on delivery; or if wanted to be sent by mail, postage must be added at the rate of:

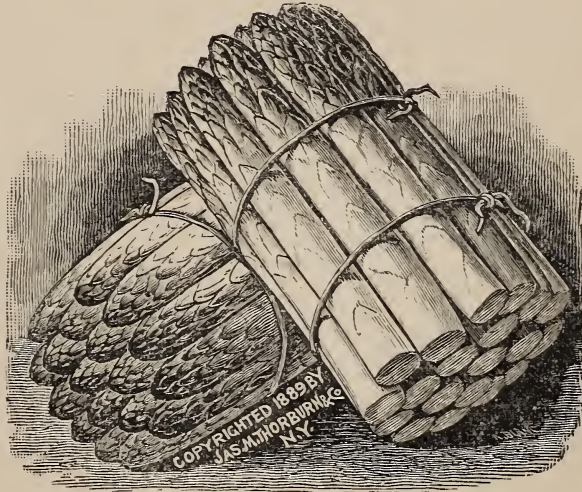
30 Cents per Quart for Beans and Peas, 25 Cents per Quart for Corn, and 15 Cents per Pound for Vegetable Seeds, Etc.

VEGETABLE SEEDS.

If wanted to be sent by mail 15 cents per pound must be added to prepay postage. Prices given per Packet and ounces include postage.

ARTICHOKES.—Artichofen.

	Per oz.	¼ lb.	lb.
Large Green Globe.....	30	90	\$3 00



ASPARAGUS.

ASPARAGUS.—Spargel.

	Per oz.	¼ lb.	lb.
Conover's Colossal.....	10	15	50

DWARF OR BUSH BEANS.

GREEN POD SORTS.

	Per Qt.	Peck.	Bush.
Best of All.....	30	\$1 75	\$6 00
Early Brown Mohawk.....	20	1 25	4 00
Early Long Yellow Six Weeks.....	20	1 25	4 00
Early Round Yellow Six Weeks.....	20	1 25	4 00
Early Red Speckled Valentine.....	20	1 25	4 00
Improved Round Pod Red Valentine.....	25	1 50	5 00
White Seeded Valentine.....	25	1 50	5 00
Refugee or Thousand to One.....	20	1 25	4 00
Large White Kidney.....	20	1 25	4 00



BEANS (DWARF WAX) GOLDEN BUTTER.

DWARF OR BUSH BEANS—Continued.

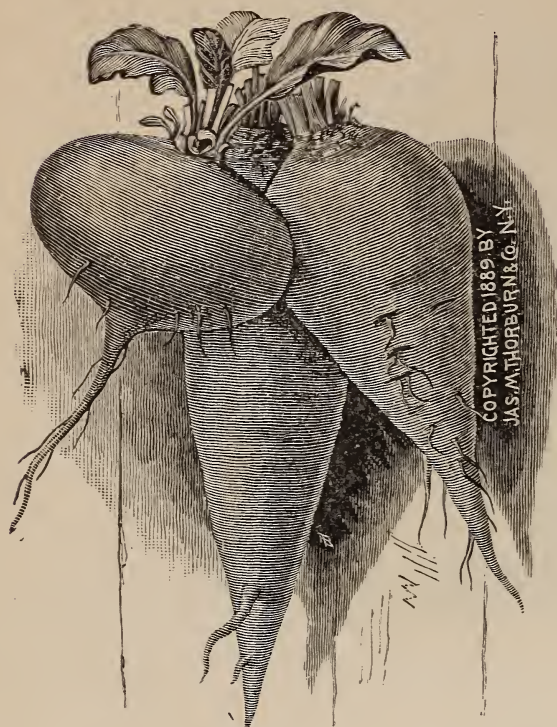
WAX POD SORTS.		Per Qt.	Peck.	Bush.
Wardwells Kidney Wax	35	\$2 25	\$8 00	
Golden Wax	25	1 50	5 50	
German Black Wax.....	25	1 50	5 00	
White Wax.....	25	1 50	5 00	
Crystal White Pod Wax	25	1 50	5 50	
Ivory Pod Wax.....	25	1 50	5 00	

POLE OR RUNNING BEANS.

Large White Lima or Butter	35	2 00	7 00
Small White Lima or Sieva.....	40	2 25	8 00
Dreer's Improved Lima.....	50	2 50	9 00
King of the Garden	60	3 00	—
Early Dutch Caseknife.....	30	1 75	6 00
Scarlet Runner	35	2 00	7 00
White Runner or Dutch.....	35	2 00	7 00
Southern Prolific.....	35	2 00	7 00
White Cornfield.....	35	2 00	7 00
German Black Wax, Yellow Pods.....	35	2 00	7 00
Giant Red Wax, Yellow Pods.....	50	2 50	9 00

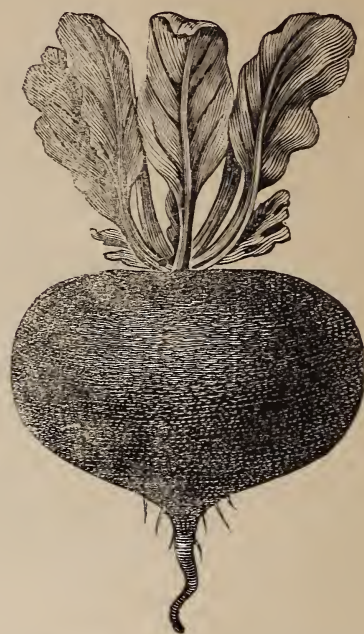
ENGLISH BEANS.

Early Long Pod.....	30	1 75	6 00
Broad Windsor	30	1 75	6 00



BEETS.

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EDMUNDS BLOOD TURNIP BEET.

BEETS.—Rothe Rüben.—Salat Rüben.

Egyptian Early Dark Red—5 lb., \$2.25	10	20	55
Eclipse—5 lb., \$3.00.....	10	25	65
Dewings Early Blood Turnip—5 lb., \$2.25....	10	20	55
Improved Early Blood Turnip	10	25	75
Early Blood Turnip—5 lb., \$2.25.....	10	20	55
Early Yellow Turnip.....	10	20	55
Long Smooth Blood Red—5 lb., \$2.25.....	10	20	55

MANGEL WURTZEL.—Kuntel-Rüben.

Norbitor's Long Red Giant—5 lb., \$1.50.....	10	15	\$ 40
Red Globe—5 lb., \$1.50.....	10	15	40
Long Yellow—5 lb., \$1.50.....	10	15	40
Mammoth Golden Yellow—5 lb., \$2.50.....	10	20	65
Yellow Globe—5 lb., \$1.50.....	10	15	40

BROCCOLI.—Broccoli.

White Cape.....	30	90	3 00
Large Purple Cape.....	30	90	3 00

BRUSSELS SPROUTS.

Improved Rosberry.....	20	50	1 50
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CAULIFLOWER, GILT EDGE.

CAULIFLOWER.—Blumentohl.

	Per Pkt.	oz.	
Erfurt Earliest Dwarf, Extra Select.....	50	\$6 00	—
My Extra Select Erfurt Earliest Dwarf Cauliflower has no Superior.			
Erfurt Earliest Dwarf, Small-leaved.....	25	3 00	—
Erfurt Early Dwarf, 2d quality.....	15	1 50	—
Early Snowball.....	25	3 00	—
Early Paris.....	10	60	—
Large Late Asiatic.....	10	50	—

GARDEN CORN.

Extra Early Adams.....	20	1 25	4 00
Early White Adams.....	20	1 00	3 50
Early Bonanza Sweet.....	25	1 50	5 00
The Cory Sweet.....	20	1 25	4 50
Early Marblehead Sweet.....	20	1 00	3 50
Early Minnesota Sweet.....	20	1 00	3 50
Darlings Early White Cob Sweet.....	20	1 00	3 50
Moore's Early Concord Sweet.....	20	1 00	3 50
Early Red Cob Sweet.....	20	1 00	3 50
Egyptian Sweet.....	20	1 00	3 50
Stowell's Evergreen Sweet.....	20	1 00	3 50
Mammoth Sweet.....	20	1 00	3 50



J. F. DICKMANN'S JERSEY WAKEFIELD.

CABBAGE.—Kraut—Weißfohl.

	Per oz.	¼ lb.	lb.
Earliest of All.....	25	90	\$3 00
Early Jersey Wakefield, select quality.....	25	90	3 00
Early Jersey Wakefield, good quality.....	15	50	1 50
Early Summer, select quality.....	25	90	3 00
Early Summer, good quality.....	15	50	1 50
Early Large French Oxheart.....	15	50	1 50
Early Winningstadt.....	15	50	1 50
Early Dwarf Flat Dutch.....	20	60	2 00
Early Drumhead or Johnsdays Drumhead.....	15	50	2 50
Early Large York.....	15	40	1 25
Early Large Schweinfurt.....	20	60	1 00

CABBAGE—Continued.

Improved White Brunswick.....	20	60	\$2 00
Filder Krout or Pommeranian.....	20	60	2 00
Premium Late Flat Dutch—5 lb., \$8.00.....	20	60	2 00
Premium Late Flat Dutch, select quality—5 lb., \$12.50.....	25	90	3 00
Late Flat Dutch, good quality.....	15	40	1 25
Large Late American Drumhead, select quality— 5 lb., \$8.00.....	20	60	2 00
Late Drumhead, good quality.....	15	40	1 25
Marblehead Mammoth Drumhead.....	20	60	2 00
Stone Mason Drumhead.....	20	60	2 00
Early Blood or Darkred Erfurt.....	20	60	2 00
Red Dutch, for Pickling.....	15	50	1 50
Collards.....	15	40	1 25

SAVOY CABBAGE.—Wirjing.

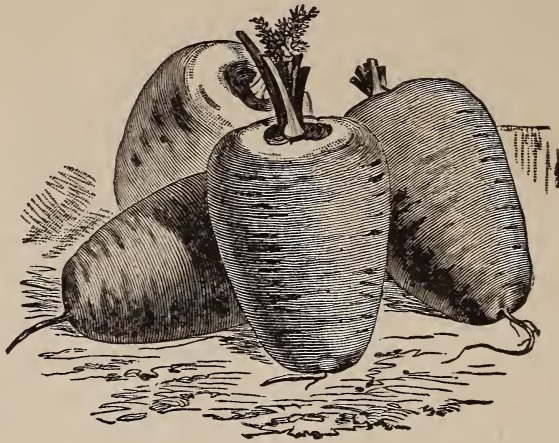
Early Dwarf Ulm Savoy, true.....	20	60	2 00
Green Curled Globe Savoy.....	15	50	1 50
American Late Drumhead Savoy, sel. quality..	25	65	2 00
Late Drumhead Savoy.....	15	40	1 25



CHANTENAY CARROT.

CARROTS.—Gelbe Rüben.—Möhren.

	Per oz.	¼ lb.	lb.
Extra Early Short (for Forcing).....	10	25	90
Early Short Horn Stump Rooted—5 lb., \$3.50	10	25	90
Early Scarlet Horn, Pointed Rooted—5 lb., \$3.50.....	10	25	90
Oxheart or Half Long Guerande.....	19	25	90
Improved Long Orange—5 lb., \$3.00.....	10	25	75
Danvers Half Long Orange—5 lb., \$3.50.....	10	25	90
Scarlet Altringham—5 lb., \$2.75.....	10	20	65
Large White Belgian.....	10	20	65



GUERANDE CARROT.



CELERY—IMPROVED WHITE PLUME.



CELERY—GOLDEN SELF-BLANCHING.

CELERY.—*Sellerie.*

	Per oz.	$\frac{1}{4}$ lb.	lb.
White Plume.....	35	\$1 00	\$3 50
Silver Giant White Solid.....	20	60	2 00
Sandringham Dwarf White.....	20	60	2 00
Boston Market.....	20	60	2 00
Golden Heart Dwarf.....	20	60	2 00
White Half Dwarf.....	20	60	2 00
Celeriac-Erfurt Turnip Rooted.....	20	60	2 00
Celeriac-Apple Shaped.....	20	60	2 00
Golden Self-Blanching.....	40	1 20	4 50

CHICORY.—*Cichorienwurzel.*

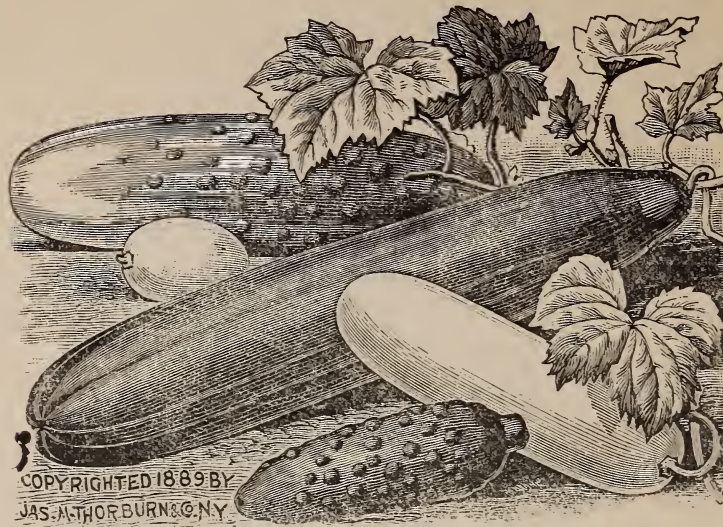
Large Rooted or Coffee.....	10	30	1 00
Wild Chicory for Salad.....	15	40	1 25

CORN SALAD.—*Feldsalat—Rabinschen.*

Large Leaved—5 lb., \$3.00.....	10	25	65
Fine Leaved—5 lb., \$3.00.....	10	25	65

CRESS.—*Gartentresse.*

New Upland—per packet, 10 cts.....	—	—	—
Curled or Pepper Grass.....	10	20	55
Winter Large Leaved.....	15	35	1 00
True Water.....	35	1 00	3 50



CUCUMBER.

CUCUMBER.—Gurten.

	Per oz.	¼ lb.	lb.
Early White Spine—5 lb., \$2.50.....	10	\$ 25	\$ 65
Improved White Spine—5 lb., \$2.50.....	10	25	65
Early Russian.....	10	25	65
Early Green Cluster—5 lb., \$2.50.....	10	25	65
Early Frame or Short Green—5 lb., \$2.50....	10	25	65
London Long Green—5 lb., \$2.50.....	10	25	65
Boston Pickling—5 lb., \$2.50.....	10	25	65
Nichols Medium Green.....	10	25	65
Extra Long Green Turkey.....	10	30	1 00
West India Gherkin.....	20	50	1 75

DANDALION.

Cultivated.....	30	90	3 00
French Garden.....	50	1 50	5 00



EGG PLANT—IMPROVED NEW YORK PURPLE.

EGG PLANT.—Eierpflanze.

	Per oz.	¼ oz.	lb.
Early Long Purple.....	20	\$ 60	—
New York Improved Oval Purple.....	50	1 50	—
Black Pekin.....	40	1 25	—

ENDIVE.—Endivien.

Green Curled.....	20	60	\$2 00
White Curled.....	25	65	2 00
Broadleaved Green Batavian.....	20	60	2 00
Broadleaved White or Lettuce-leaved.....	25	65	2 00



KALE OR BORECOLE—IMPROVED SIBERIAN.

KALE OR BORECOLE.—Grüntohl.

	Per oz.	¼ lb.	lb.
Tall Green Curled Scotch.....	10	30	\$1 00
Dwarf Erfurt Curled—5 lb., \$3.00.....	10	25	75
Dwarf German Greens—5 lb., \$3.00.....	10	25	75



KOHLRABI—WHITE VIENNA.

KOHLRABI.—Glas Kohlrabi.

	Per oz.	¼ lb.	lb.
Earliest White Erfurt.....	25	75	\$2 50
Early White Vienna, 1st quality.....	20	60	2 00
Early Purple Vienna, 1st quality.....	25	75	2 50
Large White or Green.....	15	50	1 50



LEEK—AMERICAN FLAG.

LEEK.—Lauch - Porre.

	Per oz.	¼ lb.	lb.
Large London.....	20	50	1 75
Large Scotch Flag	20	50	1 75
Musselburg.....	25	75	2 50



J. F. DICKMANN'S GOLDEN STONEHEAD LETTUCE.

LETTUCE.—Salat.

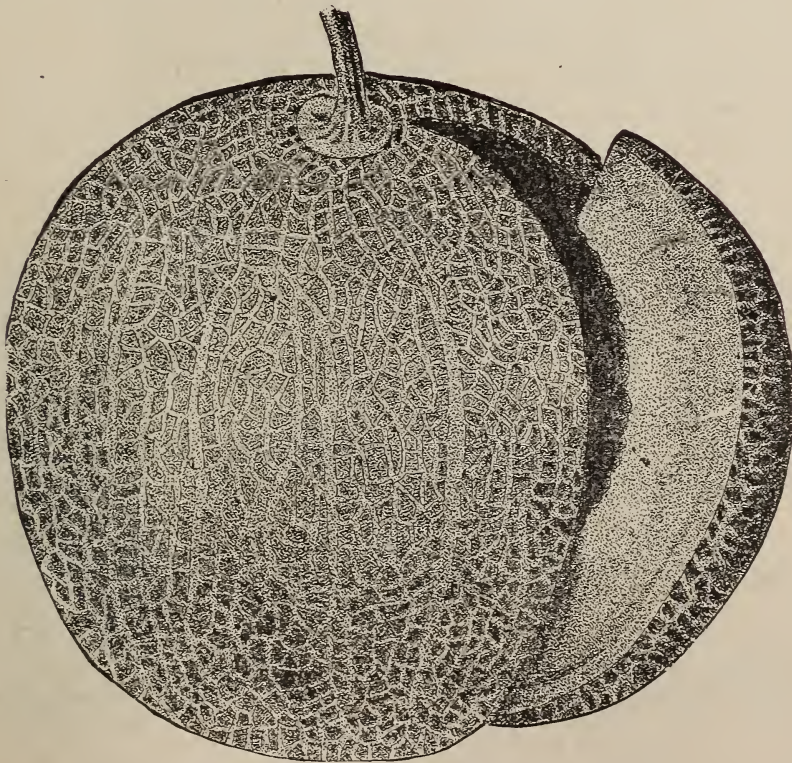
	Per oz.	¼ lb.	lb.
Early Curled Simpson.....	20	50	1 25
Black Seeded Curled Simpson.....	15	35	1 50
Boston Curled.....	20	50	1 50
Buttercup.....	30	1 00	3 50
Early Golden Stonehead.....	20	60	2 00
All the Year Round.....	20	50	1 50
Early Tennis Ball.....	20	50	1 50

LETTUCE—Continued.

	Per oz.	¼ lb.	lb.
Silver Ball	20	60	\$2 00
Early White Cabbage or Butter Salad, select quality	20	50	1 50
St. Louis Market	20	60	2 00
Black Seeded Butter Salad	20	50	1 50
Royal Summer Cabbage	20	50	1 50
Hanson	20	50	1 50
Oakleaved	20	60	2 00
Salamander	20	50	1 50
Large Curled India	20	50	1 50
Paris Green Coss	20	50	1 50
Paris White Coss	20	50	1 50
Hardy Green Winter	20	50	1 50
Brown Dutch Winter	20	50	1 50
Private Stock Lettuce	30	75	3 50

MARTYNIA.—*Gemsenhörner.*

	Per oz.	¼ lb.	lb.
Martynia Proboscida	30	75	2 50



MUSK MELLON.—J. F. DICKMANN'S BEST.

MUSK MELLON.—*Zucker-Melonen.*

First named and introduced by me in 1886, has made the greatest sensation of any melon known. All unprejudiced seedsmen, market gardeners, and all lovers of fine melons who have tested it, freely admit that it is unequalled in rich, delicious flavor; notwithstanding the fact that several fine melons have been introduced claiming to be the sweetest of all, has fully sustained the claims we first made for it. The flesh, which is thicker than any other melon of the same size, is of a beautiful suffused

MUSK MELON—Continued.

salmon color, and ripens thoroughly to the extremely thin rind. The flesh is peculiarly 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. We could fill many pages of our Catalogue with newspaper reports, testimonials, and other words of praise for this magnificent variety, but this is unnecessary, as everyone can prove for himself, at trifling cost, the surpassing fine quality of this gem among melons.

	Per oz.	$\frac{1}{4}$ lb.	lb.
The Princess—New	35	\$1 00	\$3 50
Melon, Dickmann's Best—5 lb., \$6.00.....	15	45	1 50
Montreal Market—5 lb., \$2.75.....	10	25	75
Early White Japan—5 lb., \$2.75.....	10	25	75
Large Persian or Cassaba—5 lb., \$2.75.....	10	25	75
Hackensack—5 lb., \$2.75.....	10	25	75
Nutmeg—5 lb., \$2.75.....	10	25	75
Green Citron—5 lb., \$2.75.....	10	25	75
Skillman's Fine Nettle—5 lb., \$2.75.....	10	25	75
Improved Yellow Cantelope—5 lb., \$2.75....	10	25	75
Bay View Cantelope—5 lb., \$2.75.....	10	25	75
Large Yellow Musk—5 lb., \$ 2.75.....	10	25	75



WATER MELON.—ST. LOUIS MARKET.

WATER MELON.—Wasser-Melonen.

	Per oz.	$\frac{1}{2}$ lb.	lb.
Christmas	20	60	\$2 00
Mammoth Iron Clad—5 lb., \$2.75.....	10	25	75
Klob Gem—5 lb., \$2.75.....	10	25	75
Scaly Bark—5 lb., \$2.75.....	10	25	75
The Boss—5 lb., \$2.75.....	10	25	75
Peerless—5 lb., \$2.50.....	10	20	65
Cuban Queen—5 lb., \$2.50.....	10	20	65
Striped Gipsej— 5 lb., \$2.50.....	10	20	65

WATER MELON—Continued.

	Per oz.	¼ lb.	lb.
Black Spanish—5 lb., \$2.50.....	10	20	\$ 65
Phinney's Early—5 lb., \$2.50.....	10	20	65
Ice Cream White Seeded—5 lb., \$2.50.....	10	20	65
Icing Rind—5 lb., \$2.50.....	10	20	65
Southern Rattlesnake—5 lb., \$2.50.....	10	20	65
Mountain Sweet—5 lb., \$2.50.....	10	20	65
Mountain Sprout—5 lb., \$2.50.....	10	20	65
Orange—5 lb., \$4.00.....	10	30	90
Citron—5 lb., \$2.50.....	10	20	65

MUSHROOM SPAWN.—Champignonbrut.

English Imported in Bricks, per 10 lb., \$1.50..	—	—	20
French.....		\$1.50	per box.

MUSTARD, for Sowing.—Sens zum Säen.

Yellow or White London.....	—	15	35
Brown or Black.....	—	15	35
Chinese Curled.....	10	25	75

NASTURTIUM.—Indische Kresse.

Tall Yellow.....	15	40	I 25
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OKRA.—Gumbo.

Long Green.....	10	20	65
Improved Dwarf Green.....	10	20	65



RED WETHERSFIELD ONION.

ONION.—Zwiebeln.

	Per oz.	¼ lb.	lb.
Extra Early Red—5 lb., \$7.00.....	20	50	\$1 50
Wethersfield Large Red—5 lb., \$7.00.....	20	50	I 50
Large Red Globe—5 lb., \$7.00.....	20	50	I 50
Danvers Yellow—5 lb., \$7.00.....	20	50	I 50
Danvers Yellow Globe—5 lb., \$7.00.....	20	50	I 50
Yellow Dutch or Strasburg—5 lb., \$7.00.....	20	50	I 50
Yellow Giant Globe—5 lb., \$7.00.....	20	50	I 50
Extra Early White Pearl—5 lb., \$11.25.....	25	75	2 50
White Portugal or Silver Skin—5 lb., \$12.50..	25	75	2 75
White Globe—5 lb., \$11.25.....	25	75	2 50
El Paso or New Mexican.....	25	75	2 50

ITALIAN ONIONS.—Italiensche Sorten.

	Per oz.	¼ lb.	lb.
White Mammoth Silver King.....	25	90	\$3 00
Neapolitan (White) Marzagole.....	20	60	2 00
Large Italian Red Tripoli.....	20	60	2 00
Red Giant Rocca.....	20	60	2 00
Yellow Giant Rocca.....	20	60	2 00
Giant White Tripoli.....	20	60	2 00
White Queen.....	25	75	2 50
Yellow Queen.....	25	75	2 50
Red Bermuda.....	20	60	2 00

PARSLEY.—Petersilie.

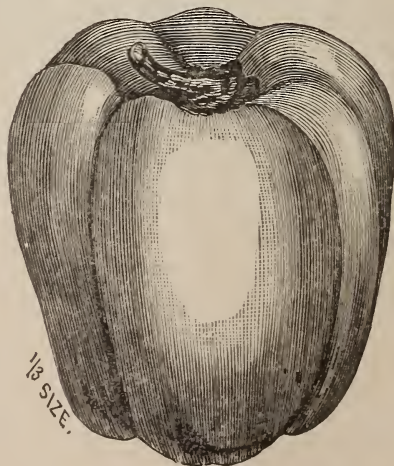
Plain Parsley—5 lb., \$2.00.....	10	20	55
Curled or Double—5 lb., \$2.50.....	10	20	65
Myatt's Garnishing.....	10	25	75



PARSNIP—HOLLOW CROWN.

PARSNIP.—Pastinaken.

	Per oz.	¼ lb.	lb.
Long Smooth White—5 lb., \$2.50.....	10	20	65
Maltese.....	10	20	65
Large Sugar or Hollow Crown—5 lb., \$2.50..	10	20	65



SWEET MOUNTAIN PEPPER.

PEPPER.—Spanischer Pfeffer.

	Per oz.	¼ lb.	lb.
Ruby King.....	35	\$1 00	—
Large Bell of Bullnose.....	30	90	—

PEPPER—Continued.

	Per oz.	¼ lb.	lb.
Sweet Mountain.....	30	\$ 90	—
Squash or Tomato.....	30	90	—
Long Red Cayenne.....	30	90	—
Golden Dawn.....	30	90	—
Cherry Red.....	35	1 00	—
Cherry Yellow.....	35	1 00	—
Chili.....	35	1 00	—



PEAS—AMERICAN WONDER.

PEAS.—Erbsen.

Those with * are Wrinkled Sorts.

	Per Qt.	Per Bu.
Dickmann's Extra Early Market. Our Standard Market Garden Early Pea	85	\$4 50
Rural New Yorker. Very early, prolific and uniform in ripening.....	25	4 00
First and Best. Early; resembling Rural New Yorker.	25	4 00
Alaka. One of the very earliest blue peas; quite productive	35	4 50
Improved Daniel O'Rourke. Best strain; a well known extra early sort.....	25	4 50
Improved Daniel O'Rourke. Good stock.....	25	3 50
Philadelphia. Best strain; resembling First and Best..	25	4 00
“ Good stock.....	25	3 50
Small Early French. (Petit Pois.) The true French Small Pea, so extensively used in Summer for canning	25	4 50

EARLY AND MEDIUM.

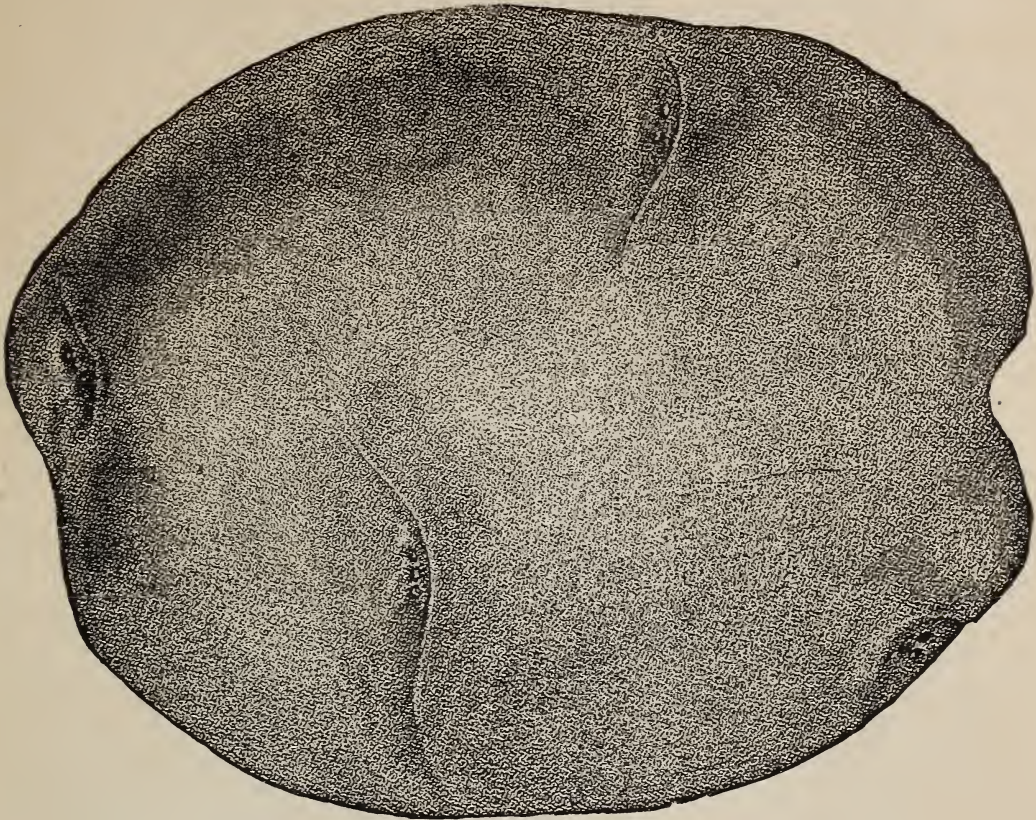
*McLean's Advancer. A fine standard sort.....	15	4 00
*Horsford Earket Garden. Style of Advancer, but more productive.....	25	4 50
*Abundance. Long round, well filled pods; so thin...	25	4 50
*Everbearing. Long pods and large peas; sow thin...	25	4 50
Pride of the Market. (Long Island Mammoth.) Very large pods, green peas; sow thin.....	35	8 00
*Champion of England. A standard variety; very productive; sow thick.....	25	4 00
*Yorkshire Hero. A spreading variety, very productive; sow thin.....	25	4 50

LATE AND MAIN CROP.

*Culverwell's Telegraph. Large pods and peas; of excellent flavor and a great yielder.....	30	6 50
*Carter's Telephone. Peas large, enormous pods; first class	30	6 50
*Ne plus ultra. The most popular late pea now in the English market.....	25	4 50
Black-Eyed Marrowfat. Very hardy and prolific.....	15	2 00
White Marrowfat	15	2 25

DWARF VARIETIES.

*American Wonder. Extra early and productive.....	30	6 00
*Carter's Strategem. Pale green wrinkled peas; a superior sort; sow about six inches apart.....	35	7 50
*Premium Gem. Extra Early; straight pods, well filled	25	5 00
Tom Thumb. Extra early.....	25	4 50
Blue Peter. Early; pods long, peas large.....	25	4 50



POTATO—RURAL NEW-YORKER NO. 2.

POTATO—Rural New-Yorker No. 2.

This is the nearest to perfection of any potato yet introduced, and excels all others in yield. It has many distinctive features, and could be readily recognized among a hundred others. Among the features peculiarly its own are:

- 1st. Distinct appearance.
- 2nd. Large size and unusual smoothness of skin.
- 3rd. Eyes few, distinct and shallow.
- 4th. Its form is that most approved by all potato lovers.
- 5th. Extreme whiteness both of skin and flesh, and unexcelled table quality.
- 6th. Great vigor in growth and solidity of tuber, enabling it to resist disease to a remarkable degree.

We receive the most flattering and favorable reports from all sections of this country and Europe in regard to the value of this potato.

Price, for immediate order and delivery, per barrel, \$6.50; per bushel, \$3.25; per $\frac{1}{2}$ bushel, \$1.50; per peck, \$1.00; per $\frac{1}{2}$ peck, 75 cts.

These are the prices ruling in January; later in the season many of the prices may be higher.

EARLY VARIETIES.

The Thorburn.—Earliest and best of all productive sorts. A seedling of Beauty of Hebron, which it resembles; quality is unsurpassed.

Per $\frac{1}{2}$ peck, 30c.; per peck, 50c.; per bus., \$1.50; per bbl., \$3.50.

Beauty of Hebron.—Slightly flesh colored skin, with pure white flesh; most popular early variety in cultivation.

Per $\frac{1}{2}$ peck, 30c.; per peck, 50c.; per bus., \$1.50; per bbl., \$3.50.

SEED POTATOES.

TERMS STRICTLY CASH WITH ORDER.

Prices given subject to variation without notice.

All orders are subject to approval.

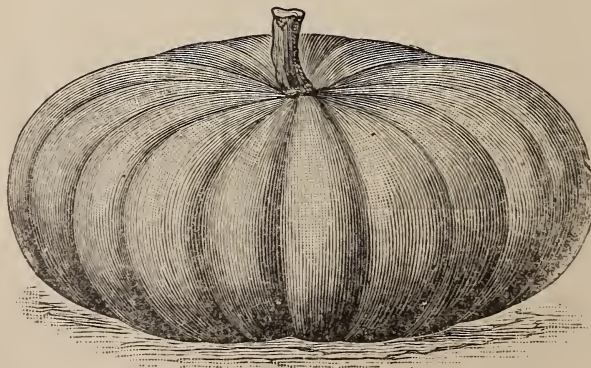
IRISH POTATOES —Select Eastern Stock.

	Per Peck.	Bush.	Barrel.
Early Mayflower.....	50	1 75	4 00
Early Beauty of Hebron.....	50	1 50	3 50
Early Ohio.....	50	1 75	4 00
Extra Early Vermont.....	50	1 75	4 00
Snowflake.....	50	1 50	3 50
White Star.....	50	2 50	5 50
Empire State.....	50	1 75	4 00
Morning Star.....	50	1 75	4 00
Dakota Reed.....	50	1 50	3 50
Late Beauty of Hebron.....	50	1 50	3 50
Mammoth Pearl.....	50	1 50	3 50
Burbank's Seeding.....	40	1 25	3 25
New York Early Rose.....	40	1 25	3 25
New York Late Rose, True.....	50	1 75	4 00
Peerless.....	40	1 25	3 25
Peachblow.....	40	1 25	3 25

Potatoes will be carefully packed and shipped at the risk of the purchaser. We will not be responsible for their safe carriage or damage from heat or cold.

ROOTS.

	Per 100.	Per 1000.	Per Bush.
Asparagus Roots, Connover's Colossal.....	1 00	8 00	—
Artichoke, White Jerusalem.....	—	—	1 25
“ Red Brazilian.....	—	—	1 25
Horse-Radish Roots.....	75	6 00	—
Rhubarb Roots, strong roots, doz. \$1.50.....	10 00	—	—



PUMPKIN—CHEESE.

PUMPKIN.—Zeldfirbis.

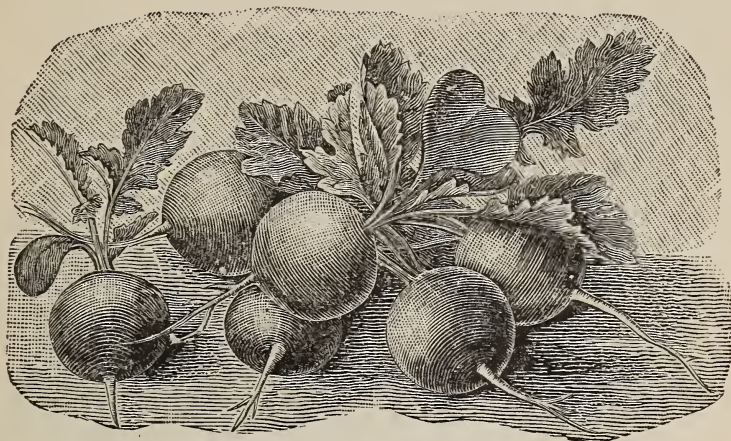
	Per oz.	¼ lb.	lb.
Kentucky Field—5 lb., \$1.00.....	—	10	\$ 25
Conneticut Field—5 lb., \$1.00.....	—	10	25
Tennessee Sweet Potato.....	15	40	1 25
Large Cheese—5 lb., \$2.25.....	10	20	55
Cushaw—Crookneck.....	10	20	65
Mammoth Tours.....	20	60	2 00

RAPE FOR GREENS. —Raps.

	Per oz.	¼ lb.	lb
Rape for Greens—5 lb., \$1.25.....	10	15	\$ 35

RHUBARB. —Rhabarber.

Early Tobolsk.....	20	50	1 50
Myatt's Victoria.....	20	50	1 50



RADISHES—NE PLUS ULTRA.

RADISH. —Radies —Rettig.

	Per oz.	¼ lb.	lb.
Philadelphia White, Box.....	15	40	\$1 25
Early Short Top, Long Scarlet—5 lb., \$2.00..	—	15	45
Early Long White or White Lady Finger.....	15	30	1 00
Wood's Early Frame—5 lb., \$2.00.....	—	15	45
Early Half Long Deep Scarlet.....	10	20	65
Early Scarlet Globe.....	10	20	65
Earliest Erfurt Darkred Round—5 lb., \$2. 50..	10	20	55
Early Scarlet Turnip, 5 lb., \$2.00.....	—	15	45
Early Scarlet Turnip White Tipped—5 lb., \$2.50	10	20	55
Early White Turnip.....	10	20	55
Early Yellow Turnip.....	10	20	55
Early Scarlet Olive Shaped—5 lb., \$2.25.....	10	20	55
French Breakfast, Scarlet Olive Shaped, White Tipped—5 lb., \$2.25.....	10	20	55
Early White Olive Shaped.....	10	20	55
Early Violet, Olive Shaped, White Tipped....	10	20	65
Chartier or Long Rose White Tipped.....	10	25	75
Long White Summer or Naples.....	10	20	65
White Summer Turnip.....	10	20	65
St. Louis, White Summer Turnip—5 lb., \$3.50	10	30	90
Yellow Summer Turnip or Globe—5 lb., \$3.00	10	25	75
Long Black Spanish or Fall.....	10	25	75
Round Black Spanish or Fall.....	10	25	75
Long White Spanish or Fall.....	10	25	75
Round White Munich Fall.....	10	25	75
California White Mammoth.....	15	40	1 25
Rose Colored China Winter.....	10	25	75
White China Winter.....	10	25	75

SALSIFY.—Saferwurzel.

	Per oz.	¼ lb.	lb.
Long White.....	20	50	\$1 75
Mammoth Sandwich Island.....	20	75	2 00

SCORZONERA.—Schwarzwurzel.

Scorzonera, or Black Salsify.....	20	50	1 50
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SPINACH.

	Per ¼ lb.	lb.	10 lbs.
Bloomsdale Curled Savoy-leaved.....	10	20	1 50
Round Thick-leaved.....	10	20	1 50
Long Standing.....	10	20	2 00
Prickly or Fall.....	10	20	2 00
New Zealand—per oz., 10 cts.....	25	75	—



SQUASH.

SQUASH.—Kürbisse.

	Per oz.	¼ lb.	lb.
Early Bush Summer Crookneck.....	10	20	65
Early White Bush Scollop.....	10	20	65
Early Yellow Bush Scollop.....	10	20	65
White Pine Apple.....	10	30	1 00
Perfect Gem.....	10	25	75
Large Winter Crookneck.....	10	25	75
Long White Vegetable Marrow.....	10	35	1 25
Hubbard.....	10	25	75
Marblehead.....	10	25	75
Boston Autumnal Marrow.....	10	25	75
Turban, or Turk's Cap.....	10	25	75
Bright Red China.....	10	30	1 00
Valparaiso.....	15	40	1 50
Mammoth.....	15	50	1 75
Early Prolific Marrow.....	10	35	1 25

TOBACCO SEED.—Tabak Saamen.

Connecticut Seed Leaf.....	25	65	2 25
Yellow Prior.....	25	65	2 25
Big Oronoco.....	25	65	2 25
Gold Leaf.....	25	65	2 25
White Burley.....	25	65	2 25
Missouri Broadleaf.....	25	65	2 25
Havana, Imported Seed.....	30	90	3 00



TOMATO—NEW JERSEY—J. F. DICKMANN.

TOMATO.—*Liebesapfel.*—*Seeds from Selected Fruit.*

	Per oz.	¼ lb.	lb.
Livingston's Beauty.....	25	75	\$2 50
Cardinal.....	25	75	2 25
Mayflower.....	25	75	2 25
Favorite.....	25	75	2 25
Perfection.....	25	75	2 25
Acme.....	25	75	2 25
Paragon.....	25	75	2 25
The Trophy.....	25	75	2 25
Canada Victor.....	25	75	2 25
Extra Early Red.....	20	60	2 00
Large Smooth Round Red.....	20	60	2 00
Large Red California or Fejee.....	20	60	2 00
Large Round Yellow.....	25	75	2 25
Yellow Plum.....	30	90	3 00
Red Cherry.....	30	90	3 00
Yellow Cherry.....	30	60	3 00
Dwarf Champion.....	30	I 20	3 50
New Jersey.....	25	75	2 50

TURNIP.—*Weißer Rüben.*

	Per oz.	¼ lb.	lb.
Extra Early Purple Top Munich—5 lb., \$2.50..	10	20	60
Extra Early Purple Top Milan.....	10	25	75
Early Flat Dutch, or White Top Strap Leaved—			
5 lb., \$1.75.....	10	15	40
Red or Purple Top Strap Leaved—5 lb., \$1.75.	10	15	40
Large Red Top Globe—5 lb., \$1.75.....	10	15	40



FINE TURNIP SEEDS.

TURNIP—Continued.

	Per oz.	¼ lb.	lb.
White Egg.....	10	15	40
Large White Cow Horn.....	10	15	40
Large White Globe.....	10	15	40
Large Yellow Globe.....	10	15	40
German Teltow.....	10	15	40
Sweet German.....	10	15	40
Seventop, Turnip Winter Greens.....	10	15	40

RUTABAGA, SWEDISH TURNIP.—Stedrüben.

Improved American Yellow Purple Top.....	10	15	40
Skirving's Yellow Purple Top.....	10	15	40
Large White French, Purple Top.....	10	15	40

AROMATIC OR SWEET HERBS.—Kräuter-Kräuter.

	Per pkt.	oz.	
Anise.....	5	15	....
Balm.....	5	35	....
Basil Sweet.....	5	25	....
Basil Sweet, small leaved.....	5	25	....
Bene.....	5	15	....
Borage.....	5	15	....
Caraway—per lb., 50 cts.....	5	10	....
Chervil.....	5	15	....
Coriander.....	5	15	....
Dill—per lb., 75 cts.....	5	10	....

AROMATIC OR SWEET HERBS—Continued.

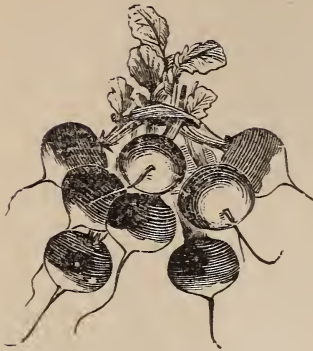
	Per pkt.	\$	oz.	
Fennell	5	\$	15	....
Hoarhound	5		35	....
Lavender	5		25	....
Majoram Sweet.....	5		25	....
Pimpernell	5		25	....
Rosemary	5		35	....
Rue	5		15	....
Sage—per lb., \$1.50	5		15	....
Saffron	5		15	....
Summer Savory.....	5		25	....
Sorrel Broadleaved.....	5		25	....
Sweet Thyme	5		30	....
Tarragon	20		....	....
Wormwood	5		50	....
Woodruff	10		1 00	....



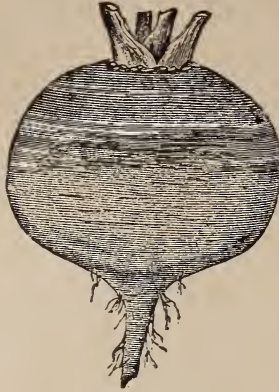
TOMATO—LIVINGSTON'S BEAUTY, 1/3 SIZE.



TOMATO—MIKADO. LARGE AND EARLY.



SCARLET TURNIP RADISH.



AMBER GLOBE TURNIP.

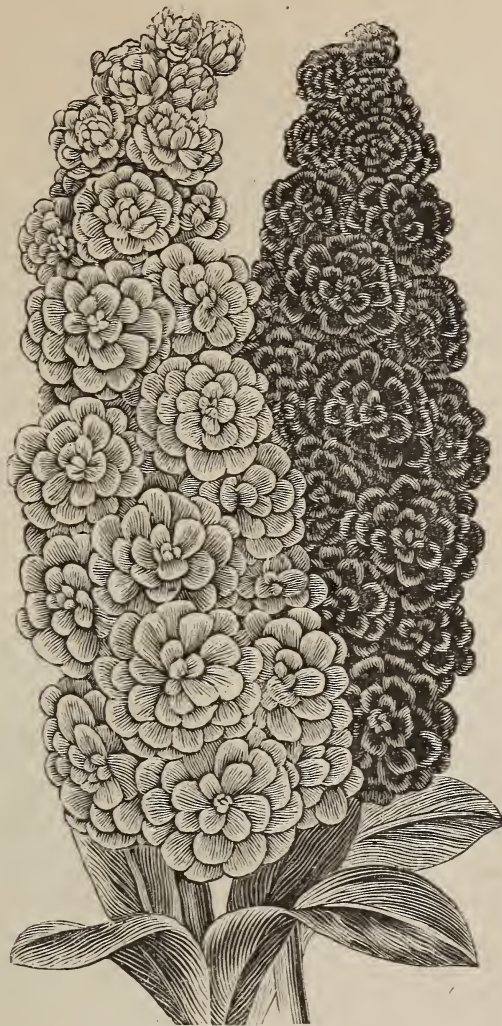


OLIVE-SHAPED SCARLET RADISH.

Complete Collections for the Vegetable Garden.

The fact that so many customers every year send orders for Collections of Vegetable Seeds has led me to prepare the assortment named below, for the convenience of those who either do not care to wade through long lists, or who prefer my judgment to their own as to kinds and quantities.

	No. 1. Price, \$5. Contains	No. 2. Price, \$10. Contains	No. 3. Price, \$15. Contains	No. 4. Price, \$20. Contains	No. 5. Price, \$25. Contains
Asparagus, Colossal.....	1 oz.	3 oz.	6 oz.	10 oz.	16 oz.
Beans, bush, best kind for succession.....	2 pts.	2 qts.	3 qts.	4 qts.	6 qts.
" Lima and other Pole.....	1 pt.	1½ pts.	2 pts.	1 qt.	2 qts.
Beet, best sorts for succession.....	4 oz.	6 oz.	8 oz.	12 oz.	16 oz.
Brussels Sprouts.....	1 pkt.	1 pkt.	½ oz.	½ oz.	1 oz.
Cabbage, best early and late sorts.....	2 oz.	3 oz.	4 oz.	5 oz.	6 oz.
Carrot, " " ".....	2 oz.	6 oz.	8 oz.	12 oz.	14 oz.
Cauliflower, best varieties.....	1 pkt.	2 pkts.	3 pkts.	3 pkts.	1 oz.
Celery, Half Dwarf and Golden Dwarf.....	1 oz.	1½ oz.	2 oz.	2 oz.	3 oz.
Cucumber, Imp. White Spined and others.....	1 oz.	2 oz.	3 oz.	4 oz.	6 oz.
Corn, Sweet, best early and late sorts.....	3 pts.	3 qts.	4 qts.	6 qts.	7 qts.
Cress, or Pepper Grass, Curled.....	1 oz.	2 oz.	2 oz.	3 oz.	4 oz.
Egg Plant, New York Improved.....	1 pkt.	1 pkt.	½ oz.	½ oz.	½ oz.
Endive, best Curled.....	1 pkt.	½ oz.	½ oz.	1 oz.	2 oz.
Kale-Dwarf German and Curled Scotch....	1 pkt.	1 oz.	1 oz.	1 oz.	1 oz.
Kohl-Rabi, Early White Vienna.....	1 pkt.	½ oz.	½ oz.	1 oz.	1 oz.
Leek, American Flag.....	1 pkt.	½ oz.	1 oz.	1 oz.	2 oz.
Lettuce, best varieties.....	2 pkts.	1½ oz.	2 oz.	3 oz.	4 oz.
Melon, Musk, best kind.....	2 pkts.	2 oz.	3 oz.	6 oz.	8 oz.
" Water, ".....	2 pkts.	2 oz.	3 oz.	4 oz.	4 oz.
Okra, or Gumbo.....	1 pkt.	2 oz.	4 oz.	4 oz.	4 oz.
Onion, best varieties.....	2 oz.	4 oz.	6 oz.	6 oz.	8 oz.
Parsley, Extra Curled.....	1 oz.	2 oz.	2 oz.	3 oz.	4 oz.
Parsnip, Long Smooth.....	1 oz.	2 oz.	3 oz.	6 oz.	8 oz.
Peas, best early and late sorts.....	4 pts.	4 qts.	6 qts.	8 qts.	10 qts.
Pepper, Large Bell and Long Red.....	1 pkt.	2 pkts.	3 pkts.	1 oz.	1 oz.
Rhubarb, Linnæus.....	1 pkt.	1 oz.	2 oz.	3 oz.	4 oz.
Radish, Scarlet, Turnip and others.....	4 oz.	6 oz.	7 oz.	10 oz.	12 oz.
Salsify, or Oyster Plant.....	½ oz.	½ oz.	1 oz.	3 oz.	4 oz.
Spinach, best sorts.....	4 oz.	8 oz.	8 oz.	10 oz.	12 oz.
Squash, Summer and Winter.....	2 oz.	4 oz.	4 oz.	6 oz.	8 oz.
Tomato, Perfection and others.....	2 pkts.,	4 pkts.	1½ oz.	2 oz.	2 oz.
Turnip, best early and late sorts.....	2 oz.	6 oz.	8 oz.	10 oz.	12 oz.
Herbs, most useful kinds.....	2 pkts.	3 pkts.	4 pkts.	5 pkts.	6 pkts.



STOCKS (NEW GIANT).



COCKSCOMB (GLASGOW PRIZE).



GROUP OF SINGLE DAHLIAS.

FLOWER SEEDS.

COLLECTIONS OF FLOWER SEEDS.

These are put up in neat packages with directions for cultivation at the following rates:

Assortments of 100 varieties of Tri-annual and Perennial	\$4 00
50 Perennial	2 00
25 Perennial	1 00
12 Perennial	50

Experience in selecting enables me to make up these assortments so as to be satisfactory to purchasers.

TO DEALERS ONLY.

NO SEEDS SOLD ON COMMISSION.

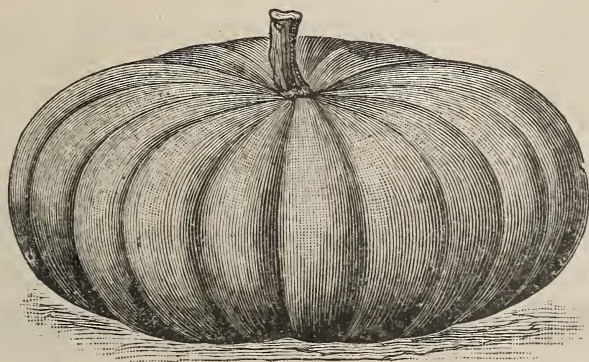
RELIABLE GARDEN SEEDS.

—IN BOXES.—

These boxes contain 300 Full Size Papers of the best and most saleable varieties of VEGETABLE SEEDS. The seeds we put in these are the same quality that we sell to the most critical Market Gardeners Trade. They are "Fresh, Reliable, Pure and True to Name."

Our Garden Seed Box is strong, nicely finished, with chromo-lithographed label inside the cover. We send with each box, showcards and other printed matter, which will help the merchant to sell our Seeds.

Price.....\$6.00.



LARGE CHEESE PUMPKIN.

BIRD SEED.

PUT UP IN SEALED PACKAGES.

The attention of merchants is called to the beautiful and attractive style in which we put up our mixed Bird Seeds. The packages are illustrated in fancy colors, and present a very handsome appearance for the counter or window decoration.

Cases of 40 packages, 1 pound each.....\$2.20.

BIRD SEEDS IN BULK

Prices Subject to change without notice.

Clear Canary.....	per bushel,	(60 lbs.)....	\$2 40
Hemp Seed.....	"	(44 lbs.)....	1 75
Rape Seed.....	"	(50 lbs.)....	2 50
Maw Seed.....	per lb. 20 cents,	" (— lbs.)....	—
Mixed Bird Seed.....	"	(50 lbs.)....	2 25
Cuttle Fish Bone.....	per lb.,		25
Prepared Mocking Bird Food.....	per doz. bottles,		3 00
Dickmann's Prepared Mocking Bird Food.....	" " "		3 50
Dickmann's Canary Bird Treat.....	per dozen,		75
Oyster Shell, 1 lb.....			5

FERTILIZERS.

Terms, Cash with Order. Prices subject to fluctuation.

	Per 100 lbs.	Per Ton 2000 lbs.
Ground Bone or Bone Meal.....	\$2 00	\$32 00
Land Plaster or Gypson, per bbl. (about 300 lbs.).....	1 50	—
Superphosphate of Lime, 1st quality.....	2 00	36 00
Peruvian Guano, 1st quality.....	3 50	65 00
Universal Fertilizer.....	2 00	36 00
Nitrate of Soda.....	3 00	—
Lawn Fertilizer.....	2 00	36 00
Odorless Plant Food, in Packages (retails at 15 cents) per dozen Packages.....		1 35

MY PRICES.

It is my constant aim to make highest quality a first consideration and then to make my prices as low as good, honest Seed can be sold. My prices, therefore, will be found as low as those of any other Reliable House for Seeds of the highest standard of excellence. Critical Market Gardeners and experienced Planters, who appreciate the highest quality rather than the lowest prices, have bought and will buy from me.

I offer no Books, Cash or other Premiums to Induce you to Buy my Seeds. They Sell upon their Merits.

LIBERAL DISCOUNT ON SEEDS IN PACKETS.

To induce my Patrons to form Clubs to purchase SEEDS in quantity, I will offer the following LIBERAL DISCOUNTS on Vegetable and Flower Seeds in Packets.

Purchaser remitting \$1.00 may select Vegetable or Flower Seeds in Packets amounting to \$1.25; \$2.00, \$2.50; \$3.00, \$3.75; \$4.00, \$5.25; \$5.00, \$6.50.

I wish it distinctly understood that the discount allowed is for Seeds in Packets only, and not for Collections of Seeds or Seed by weight or measure.

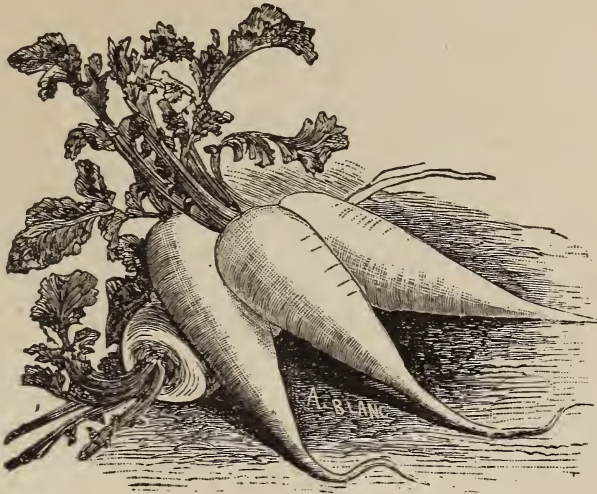
Collections of Vegetable Seeds.

Complete Assortments for Family Gardens.

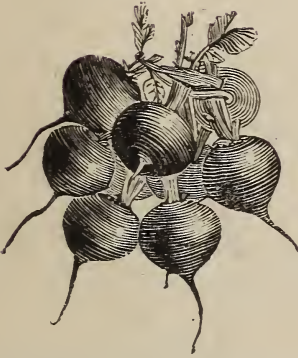
The selections of these assortments of Seeds will be found very desirable for those who are not sufficiently well experienced, or who are not familiar with the most desirable varieties, to make judicious selections from my catalogue. They include what I regard as the best varieties for family use. I will supply them at the following rates—rates that are at least one-fourth less than same kind and quantities of seed are usually sold at.

COLLECTION A--Leading and Best Varieties sent by mail post paid by us..... Net, \$ 2 00
COLLECTION B--Leading and Best Varieties, sent by express at expense of purchaser... " 5 00
COLLECOION C--Leading and Best Varieties, sent by express at expense of purchaser... " 10 00

Printed lists of Contents mailed upon application.



NEW WHITE STRASBURGH RADISH.



EARLY ROUND DEEP SCARLET RADISH.



LARGE WHITE NORFOLK TURNIP.

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, Onion, 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, Pumpkin, 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,

MAMMOTH RUSSIAN SUNFLOWER.

Single heads measure twelve to twenty-two inches in diameter, and contain an immense quantity of seed, which is highly valued by all farmers and poultry breeders who have tried it, as an *excellent and cheap food for fowls*. They eat it greedily, fatten well on it, and obtain a high lustrous plumage and strong, healthy condition, better than on almost any other food. It is the best EGG-PRODUCING FOOD known for poultry. Every farmer should plant some of the seed in any waste piece of ground, any time from the early spring up to the middle of July. It is a decided improvement on the old native sunflower, and besides the great value of the seed as a poultry and stock food, its leaves makes a capital fodder, while its strong *thick stalks* can be profitably *used as fuel*. Four quarts of seed will plant one acre. The seed is also recommended as an excellent food for horses, and it is claimed that a fine quality of oil can be manufactured from the seed. Per pkt., 5 cents; oz., 10 cents; 1 lb., 20 cents; 50 lbs., \$7.50; 100 lbs., \$12.50.

SEED GRAIN.

Terms: Cash with order. Two-bushel Bags, Twenty Cents extra each. Express or Freight Charges always to be paid by the purchaser.

SPRING SEED WHEAT.

Sow about two bushels to the acre.

White Russian—This variety is not exactly a white, but is a light colored variety of red Wheat, and is an enormous cropper. It has long, straight, strong yellow straw, and bears long and large white chaff heads, well filled with plump kernels.
Per peck, 50c., bush., \$1.75.

Red French Imperial—This variety grades Extra No. 1 hard Red Spring Wheat. It is adapted to soils of ordinary richness, as rich soils will tend to make too much straw. The kernel is very large, fully a half larger than a plump kernel of almost any other kind of spring wheat.
Per peck 60c., bush., \$2.00.

Saskatchewan Fife Wheat—A purely northern Hard Wheat; pronounced by millers the best No. 1 Hard Amber Wheat ever introduced. In vigor of growth, productiveness and stooling propensities it is probably unequalled.
Per peck, 60c.; bush., \$2.00.

SEED BARLEY.

Sow about two bushels to the acre.

Barley, Common—Market price.

SEED RYE.

One and a half bushels to the acre.

Seed Rye, Common—Per bushel (56 lbs.) \$1.00.

SEED OATS.

Sow about three bushels to the acre.

Welcome Oats—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.

Per peck 30c.; bush., (32 lbs.) \$1.00.

White Russian Oats—The White Russian Oats are prolific, and with ordinary cultivation will yield one hundred bushels per acre. They are extremely hardy, enduring the coldest climate in our country without injury, and are absolutely rust proof.

Per peck, 30c.; bush., (32 lbs) \$1.00.

Black Russian Oats—This famous Oats was first brought from Russia by an immigrant to Missouri, and was first introduced by us about eight years ago. It is very prolific; from 80 to 100 bushels to the acre. It is perfectly hardy; can be sown in fall, as it will stand cold weather if not too severe, and is entirely rust proof. It is very early, and has a large, heavy and plump, mealy grain, and a very thin shell or hull, and is therefore a very good feed for all kinds of stock.

Per peck, 30c.; bush., (32 lbs) \$1.00.

WINTER SEED WHEAT.

Our Price List of the best varieties of selected Winter Wheat and other Seed Grain for Fall Sowing, on application.

ONION SETS.

TERMS CASH WITH ORDER.

Prices Given Subject to Variation.

Parties ordering will please state particularly if they want Top Onions or Botton Sets. To keep them in a 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 undersrood that we are not responsible for any damage they may sustain in transit.

	Per peck.	Bush.
Yellow Bottom Sets.....	\$1 25	\$4 50
White Bottom Sets.....	1 50	5 00
Red Top or Button Onions.....	1 50	5 50
Potato Onion Sets.....	1 50	5 50
Garlic.....	per lb. 15c., 10 lbs.	1 25

Boxes, Crates and Barrels at Cost Price.

PRICE LIST OF STRAWBERRY PLANTS.

	Per doz.	Per 100.	Per 1000.
Crescent Seedling.....	30	\$ 75	\$ 5 00
Chas. Downing.....	30	75	5 00
Cumberland.....	30	75	5 00
Scharplless.....	30	75	5 00
May King.....	30	75	5 00
Jessie.....	50	1 00	8 00
Cloud Seedling.....	50	1 00	8 00
Parry.....	50	1 00	8 00
Bubach.....	50	1 25	10 00
Belmont.....	50	1 25	10 00
Prince.....	50	1 25	10 00
Pineapple.....	60	1 50	12 00
Big Bend.....	60	1 50	....
Lida.....	60	1 50	....
Itaska.....	60	1 50	....
Mammoth.....	60	1 50	....
Gandy.....	60	1 50	....
Haverland.....	75	2 00	....
Logan.....	75	2 00	....
Louise.....	1 00	....	....
Amateur.....	1 00	....	....
Henry Schultz.....	1 00	....	....

Price for large quantities on application.

Tree, Fruit and Hedge Seeds.

Sold for Cash only. Prices subject to variation.

When less quantities than those quoted are ordered a higher price will be charged, but we will sell 20 lbs. at the 100 lb rate, $\frac{1}{4}$ bushel at the bushel rate, $\frac{1}{2}$ pound at the pound rate.

CONIFERS OR EVERGREENS.

	Per lb.
Arbor Vitæ American (<i>Thuja occidentalis</i>).....	\$2 00
“ Chinese (<i>Thuja orientalis</i>).....	1 00
“ Golden (<i>Thuja aurea</i>).....	1 50
Cypress, Deciduous (<i>Cupressus disticha</i>).....	75
“ Spreading (<i>Cupressus horizontalis</i>).....	1 00
“ Upright (<i>Cupressus pyramidalis</i>).....	1 00
Fir, Silver (<i>Pinus abies</i>).....	75
“ Balsam (<i>Pinus balsamea</i>).....	1 75
Larch, European (<i>Larix Europaea</i>).....	60
Pine, Black Austrian (<i>Pinus Austriaca</i>).....	75
“ Scotch (<i>Pinus sylvestris</i>).....	1 00
“ Weymouth or White (<i>Pinus strobus</i>).....	2 25
Red Cedar (<i>Juniperus virginiana</i>).....	60
Spruce, Hemlock (<i>Abies canadensis</i>).....	3 00
“ Norway (<i>Picea excelsa</i> , <i>Pinus picea</i>).....	60
“ White (<i>Picea alba</i>).....	3 00

DECIDUOUS TREE SEEDS.

Alder European (<i>Alnus glutinosa</i>).....	60
Ash, European (<i>Fraxinus excelsior</i>).....	40
American White Ash (<i>Fraxinus americana</i>).....	25
Beech, European (<i>Fagus sylvatica</i>).....	40
Birch, White (<i>Betula alba</i>).....	45
Box Elder, Ashleaved Maple (<i>Acer negundo</i>).....	35
Catalpa Tree (<i>Catalpa bignonioides</i>).....	40
“ Hardy (<i>Catalpa speciosa</i>) per 100 lbs. \$60.00...	75
Elm, European (<i>Ulmus campestre</i>).....	60
Fever Tree (<i>Eucalyptus globulus</i>) per ounce 40 cents.....	5 50
Lime or Linden (Basswood, <i>Tilia Europaea</i>).....	60
Maple, Norway (<i>Acer platanoides</i>).....	40
Sugar Maple (<i>Acer sacharinum</i>).....	60
Mulberry, White (<i>Morus alba</i>).....	1 25
“ Black (<i>Morus nigra</i>).....	1 75
“ Russian (<i>Morus alba</i> var' Moretti).....	3 00
Plane or Sycamore (<i>Acer pseudoplanatus</i>).....	40
Tree of Haven (<i>Ailanthus glandulosus</i>).....	40

SEEDS FOR HEDGES.

Prices Subject to Variation.

	Per lb.	Per 100 lbs.
Berberry (<i>Berberis vulgaris</i>).....	\$ 65	\$ —
Buckthorn (<i>Rhamnus catharticus</i>).....	1 00	—
Hawthorn (<i>Crataegus oxyacantha</i>) Clean Seed...	65	—
Locust, Black or Yellow (<i>Robinia pseudo-accacia</i>)	20	18 00
“ Honey (<i>Gleditschia triacanthos</i>).....	20	18 00
Osage Orange (<i>Maclura aurantiaca</i>) per bushel (33 lbs).....		4 50

FRUIT TREE SEEDS.

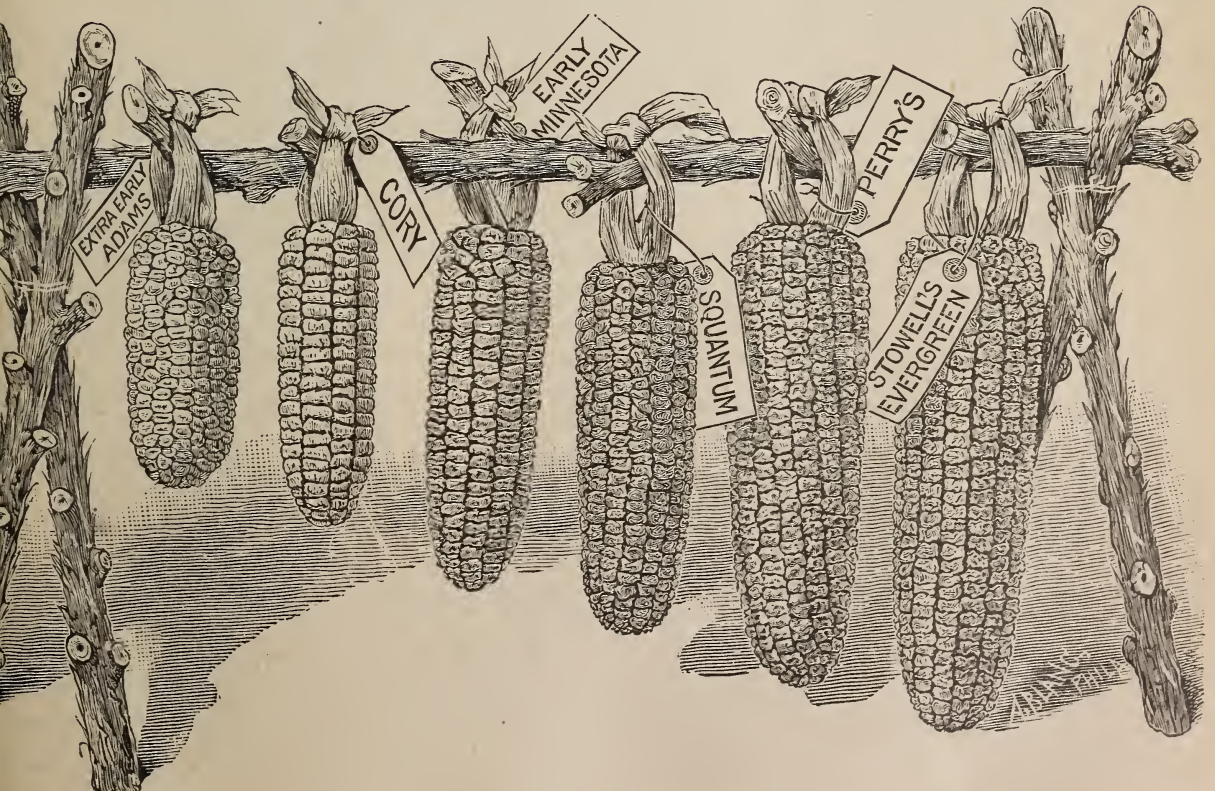
Prices Subject to Variation.

	Per lb.	Per Bush.
Apple Seeds (bushel 40 lbs).....	30	4 50
Peach Pits (bushel 50 lbs).....	—	90
Pear Seeds, fresh imported.....	1 25	—
Quince Seeds, fresh imported.....	1 50	—
Mahaleb Cherry Pits, fresh imp. (bushel 40 lbs)..	25	7 00
Mazzard Cherry Pits, fresh imp. (bushel 40 lbs)..	20	6 00
Plum Stones, fresh imported (bushel 40 lbs).....	20	5 00
Black Walnuts, hulled.....	—	1 00
Pecan Nuts, Large (bushel 50 lbs).....	15	5 50

SMALL FRUIT SEEDS.

Currant Seeds, Large varieties mixed.....	40
Gooseberry Seeds, Large English mixed.....	50
Raspberry Seeds, Fine mixed.....	40
Strawberry Seeds, Large varieties mixed.....	40

We have no other Tree or Fruit Seeds than those offered above.



CORN—SWEET OR SUGAR.

FIELD SEED CORN.

Prices Given Subject to Variation. Special Prices for Large Quantities.

	Weight per bush.	Peck.	Bush.
Black Hawk.....	56	50	\$1 50
Golden Beauty.....	56	50	1 50
Champion Early White Pearl.....	56	50	1 50
Compton's Extra Early Yellow Flint.....	56	60	2 00
The Leaming Yellow.....	56	50	1 50
Murdock's Ninety Day Yellow.....	56	50	1 50
Early Yellow Canada Flint.....	56	50	1 75
Early Large White Flint.....	56	50	1 75
White Giant Normandy.....	56	50	1 50
Yellow Mammoth King.....	56	50	1 50
St. Charles White, True.....	56	50	1 25
Chicago Red.....	56	50	1 50

Grass Seed Department.

TOWER GROVE PARK LAWN GRASS

Is composed exclusively of the very best varieties of Grass, such as long experience has shown to be 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, but quite often in the ground, or come from the use of stable manure, are, nevertheless, always objectionable. Our customers can rely, in buying the Tower Grove Park Lawn Grass Seed, of its being the very purest seed obtainable, and entirely free from any weeds or any foreign seed.

Price per quart, 20 cts.; per peck, \$1.25; per bushel, \$4.00. Special prices given on large quantities.

As a second quality mixture, composed of varieties well adapted for lawns, and which has been used for many years, but which is not, in point of quality, as good as that of our Tower Grove Park Lawn Grass, is the CENTRAL PARK MIXTURE. Prices as follows: per quart, 15 cts.; per peck, \$1.00; per bushel, \$3.00.

EXCELSIOR LAWN DRESSING.

In connection with our Lawn Grass Seed, we offer as the most desirable fertilizer for both new lawns and those which only need enriching, the EXCELSIOR LAWN DRESSING; it is put up in bags of 5, 10, 25, 50 and 100 lbs., at the following prices: 5 lb. bags, 25 cts.; 10 lbs., 45 cts.; 25 lbs., \$1.00; 50 lbs. and over, at 3½ cts. per lb. Special prices in quantities of 500 lbs. and over.

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, Rhode Island and Creeping Bent, Hard Fescue, Sweet Scented Vernal (True Perennial), Meadow Fescue, English Rye Grass, Italian Rye Grass, and Red Top, as highly recommended by that eminent authority, Mr. Wm. Crozier, of Long Island, who has made the matter a life study, mixed in the proper proportions, we will supply for \$2.25 per bushel (of about 15 lbs). 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 2 to 4 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 10 lbs. of Mammoth or Pea Vine Clover, which is worth 12 cts per lb., and is put up in a separate package when shipping.

Special price given for quantities of ten bushels and upwards.

SPECIAL MANURE FOR GRASS LANDS.

A very convenient manure to have for general use on farm lands, or where stable manure is not readily attainable. Use 3 to 5 bbls. per acre, and if at time of proposed sowing, harrow it in; it can be used, however, with great advantage as a top covering. Price, per bbl. (about 250 lbs), \$7.00; per ton, shipped, \$50.00.

Guaranteed Analysis.—Ammonia, 4 to 5 per cent; Phosphoric Acid, total, 10 to 12 per cent.; Potash as Sulphate and Muriate, 3 to 4 per cent.

JOS. F. DICKMANN'S SPECIAL MIXTURE FOR LAWNS.

Per Pound, 30c. Bushel of 14 Pounds, \$3.00.
If Wanted by Mail add Eight Cents Per Pound.

EXTRA CLEAN BLUE GRASS.

Per Pound 30c. Bushel of 14 Pounds, \$3.50.

FANCY BLUE GRASS.

Per Pound, 35c. Bushel of 14 Pounds, \$4.00.

ENGLISH RYE GRASS.

Per Pound, 25c.

ENGLISH BLUE GRASS.

Per Pound, 25c. Bushel of 25 Pounds, \$3.00.

WHITE DUTCH CLOVER.

Per Pound, 20c.

This is the best possible mixture for permanent lawns, resisting the severe drouth of our climate better than any other. It may be planted early in the spring or fall, and should be sown at the rate of from sixty to eighty pounds to the acre, much more being required than for hay or pasturage. If sown in the spring, sow it early as possible, making the surface very fine and smooth, then raking it over and sowing the seed just before a rain, which, if the surface has just been raked, will cover the seed sufficiently. If the expected rain does not come, cover by rolling with a light roller. If sown in the fall, sow before the autumn rains have ceased, and before very cold weather, give the young grass a light dressing of manure. One pound of this manure is sufficient to cover a space 30x20 feet, or 600 square feet. Kentucky Blue Grass in conjunction with White clover forms one of the finest and closest of lawns. For this purpose, use four bushels of Blue Grass, and about six pounds of White Clover per acre.

**ALWAYS IN STOCK—FINE FIELD SEED,
AT LOWEST MARKET PRICES.**

SEED OATS.

	Per Bush
New Clydesdale.....	\$1 00
Welcome.....	80
Pringle's Progress.....	1 00
American Beauty.....	1 10
White Belgian.....	70

SPRING WHEAT.

Saskatchewan Fife.....	2 25
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BUCKWHEAT.

New Japanese.....	1 05
Silver Hull.....	95

SPRING BARLEY.

New Manshury.....	1 50
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SEED RYE.

Spring Rye.....	1 50
Fall Rye.....	1 00

GRASS AND CLOVER SEEDS.

Fairmount Park Lawn Mixture.....	2 50
Clover, Common Red.....	Market Prices.
Pea Vine, or Sapling Clover.....	Perlb
White Dutch Clover (finest quality).....	\$0 20
Aliske Clover.....	20
Lucerne, or Alfalfa Clover.....	20
Crimson Clover (<i>Trifolium incarnatum</i>).....	15
Timothy.....per bush. (45 lbs.)	Market Prices.
Orchard Grass..... " (14 lbs.)	Per Bush.
Herd, or Red Top. per sack of five bushel.....	\$1 10
Kentucky Blue (double fancy cleaned) 14 lbs.....	3 50
Perennial Rye Grass, 24 lbs.....	1 40
Tall Meadow Oat Grass, 13 lbs.....	2 00
Johnson Grass, 25 lbs.....	2 00
Italian Rye Grass, 20 lbs.....	1 25
Native Green Grass.....	2 50
Wood Meadow Grass.....	Per lb. \$0 25
Sweet Scented Vernal Grass (True Perennial).....	60
Missouri Millet.....	Per Bush. 1 25
German, or Golden Millet.....	1 50

MISCELLANEOUS.

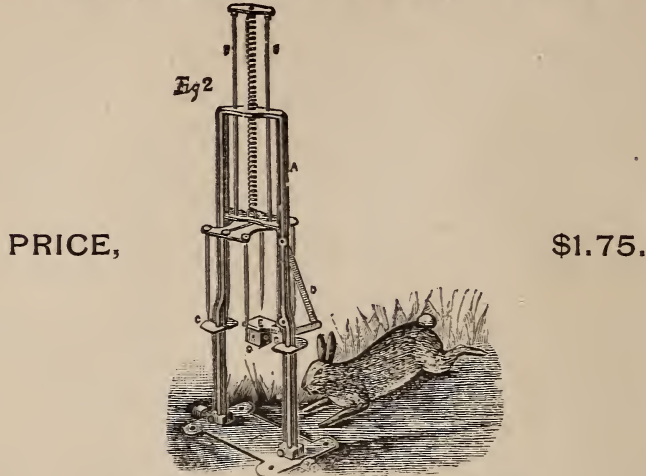
Early Amber Sugar Cane.....	Per Bush. \$2 00
Large Russian Sunflower, per qt., 15 cts.....	1 95
Osage Orange (for hedges) per lb., 25 cts.....	6 00
Flax Seed.....	2 25
Evergreen Broom Corn.....e.....	2 00
Kaffir Corn.....	Per lb. 13
Millo Maize.....	14
Teosinte (<i>Reana Luxurians</i>).....	1 25
Raffia (for tying).....	18
Brown Dhoura Corn.....	15

MISCELLANEOUS—Continued.

	Per lb.
Dalmation Insect Powder.....	\$ 35
Paris Green.....	20
Slug Shot.....	03
Hellebore ..	18

Large Quantities on Application.

OLMSTEAD MOLE TRAP.



DIRECTIONS FOR USING.

Depress the mound that the mole has made, for a space only sufficient to admit the trigger, then press the frame, together with the needles into the ground as far as the stops and directly over the track of the mole. *Work the needles up and down in the ground several times to make them work free.* Then lift the needles and allow the needle-plate to rest upon the upper end of the lever, then hook the lower end of the lever into the trigger, place a brick, or stone, upon the platform. When the spring is used, take the lever, D, in the left hand, holding it at right-angles to the frame, raise the needle up to the cross bar, and hook the lever to the trigger. The mole in passing under the trap lifts the trigger, thereby releasing the lever and causing the weight or spring to force the needles into the mole.

In order that a mole trap may be of utility, the user should know something of the habits of the mole, many tracks will be in the fields, gardens, and lawns through which the mole never passes but once. Of course there is no use of setting a trap over such a track.

To find a track which is frequented by moles, depress the mounds which the moles have made for a small space in different parts of the fields, place a stick upright in the ground near by so that the depression can be readily found again.

It has been observed that moles re-pass through the roads at regular intervals, that is, about 12 m. and 6 p. m. If by going over the fields again the mounds which were depressed are again raised up, set a trap there and you are sure to catch a mole.

Several moles have been caught in one track on successive days by setting the trap in the same place.

With a few of these traps a field, garden, or lawn, can soon be freed from moles.

Price of Extra Springs, 15 cents each. Springs sent by mail on receipt of price.



GROUP OF SWEET PEAS.

A SELECT LIST
OF CHOICE IMPORTED.

FLOWER SEEDS.

NO.	PRICE PER PACKET.	AMT.	NO.	PRICE PER PACKET.	AMT.
1.	Adonis.....	5	24.	Forget Me Not, mixed.....	5
2.	Ageratum.....	5	25.	Four O'Clock, mixed.....	5
3.	Rose of Heaven.....	5	26.	Gillardia	5
4.	Alyssum	5	27.	Gillia	5
5.	Amaranthus (Prince Feather)....	5	28.	Heliotrope.....	5
6.	Amaranthus (Love Lies Bleeding)	5	29.	Honeysuckle, French.....	5
7.	Amaranthus (Tri-Color).....	5	30.	Larkspur, tall.....	5
8.	Asters, mixed colors.....	5	31.	Larkspur, dwarf.....	5
9.	Balsams	5	32.	Marigold, African.....	5
10.	Bachelor's Button.....	5	33.	Marigold, French.....	5
11.	Baloon Vine.....	5	34.	Mignonette, sweet.....	5
12.	Brachycome or Daisy.....	5	35.	Musk Plant.....	5
13.	Canary Vine.....	5	36.	Nasturtium, fall mixed.....	5
14.	Canterbury Bell.....	5	37.	Nasturtium, dwarf, mixed.....	5
15.	Cocalia (Tassel Flower).....	5	38.	Pansy, mixed.....	5
16.	Carnation Dianthus.....	10	39.	Phlox, mixed.....	5
17.	Candytuft, mixed.....	5	40.	Portulacca, mixed.....	5
18.	Coxcomb, mixed.....	5	41.	Portulacca, double, mixed.....	10
19.	Morning Glory, Mixed.....	5	42.	Stocks, ten weeks, mixed.....	5
20.	Cypress Vine, mixed.....	5	43.	Sweet William, mixed.....	5
21.	Dahlia, double.....	10	44.	Verbena, mixed.....	5
22.	Dianthus, mixed.....	10	45.	Zinnia, double, mixed.....	5
23.	Foxglove (Digitalis).....	10			

TWENTY-FIVE PAPERS, \$1.00.



HUMULUS JAPONICUS.

FLOWER SEEDS—Continued.

Acroclinium, Everlasting, rose and white mixed.....	\$0	5
Alyssum, Sweet, white		5
Antirrhinum (Snapdragon), mixed colors.....		5
Aster, New Rose, finest colors, mixed.....		15
Aster, Truffaut's Pæony-flowered Perfection, choicest mixed colors.....		15
Aster, Dwarf Chrysanthemum-flowered, finest colors mixed....		15
Balsam, Camellia-flowered, finest mixed.....		15
Balsam, Rose-flowered, finest mixed.....		10

FLOWER SEEDS—Continued.

Bicolor Alba	5
Biusius.....	5
Cacalia (Tassel Flower).....	5
Calliopsis, mixed colors.....	5
Canary Bird Flower.....	5
Candytuft, white.....	5
Candytuft, all colors mixed.....	5
Castor Beans, mixed.....	5
Convolvulus (Morning Glory), mixed colors.....	5
Cobœa scandens, beautiful climber.....	10
Cockscomb, Japan.....	10
Cowslip, mixed.....	10
Crimson Flax.....	5
Cypress Vine, elegant climber, mixed colors.....	5
Dianthus Chinensis (Chinese Pink), choice mixed.....	5
Forget-me-not.....	10
Fox Glove.....	5
Geranium, mixed.....	10
Gomphrena, Everlasting, mixed colors.....	5
Gourds, Orange.....	5
“ Egg Shaped.....	5
“ Dipper.....	5
“ Herculese Club.....	5
“ Mixed.....	5
“ Bonnet.....	5
Helichrysum, Everlasting, all colors mixed.....	5
Hollyhock.....	5
Ice Plant.....	5
Larkspur, Dwarf Rocket, mixed.....	5
Marigold, mixed colors.....	5
Mignonette, Sweet.....	5
Marvel of Peru (Four o'clock), mixed colors.....	10
Nasturtium (Tropæolum majus) mixed colors.....	5
Pansy, extra choice mixed.....	15
Petunia, fine mixed.....	10
Phlox Drummondii, extra choice mixed.....	10
Poppy, mixed.....	5
Poppy, mixed colors.....	5
Portulaca, Double, extra fine, mixed colors.....	20
Portulaca, mixed colors.....	5
Ricinus (Castor Oil Bean).....	10
Scabiosa (Mourning Bride), mixed colors.....	5
Sensitive Plant (Mimosa pudica).....	5
Stock, Ten-Weeks, choicest, stage grown.....	20
Sweet Peas, mixed colors.....	5
Sweet William Perfection, mixed colors.....	5
Verbena, from extra fine named collection, mixed colors.....	20
Violet.....	5
Wall Flower.....	5
Zinnia, Double, choicest mixed.....	10

J. F. DICKMANN'S GARDEN SEEDS

ARE NOT OFFERED
AS THE CHEAPEST SEEDS,
BUT AS THE
BEST AND MOST RELIABLE IN THIS COUNTRY.

Cheap Seeds are the Rubbish of the Market. They are either Spurious Stock, Old with Age, or Adulterated to Reduce their Cost.

VALUABLE TABLES.

Quantity of Seed Requisite to produce a given number of plants and sow an acre of ground.

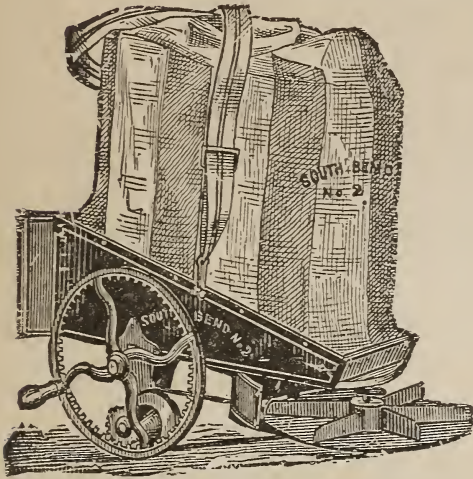
Quantity per acre.		Quantity per acre.	
Artichoke, 1 oz. to 500 plants.....	½ lb.	Grass, Timothy.....	¾ bu.
Asparagus, 1 oz. to 200 plants.....	5 lbs.	Hemp.....	½ "
Barley.....	2½ bu.	Kale, 1 oz. to 3,000 plants.....	4 oz.
Beans, dwarf, 1 quart to 150 feet of drill.....	1¼ "	Kohi-Rabi, 1 oz. to 200 feet of drill.....	1½ lbs.
" Pole, 1 quart to 200 hills.....	½ "	Leek, 1 oz. to 250 feet of drill.....	4 "
Beet, garden, 1 oz. to 100 feet of drill....	10 lbs.	Lettuce, 1 oz. to 250 feet of drill.....	3 "
" Mangel, 1 oz. to 150 feet of drill....	6 "	Martynia, 1 oz. to 50 feet of drill.....	10 "
Broccoli, 1 oz. to 3,000 plants.....	5 oz.	Melon, musk, 1 oz. to 100 hills.....	1¾ "
Broom Corn.....	10 lbs.	" water 1 oz. to 25 hills.....	1½ "
Brussels Sprouts, 1 oz. to 3,000 plants...	5 oz.	Nasturtium, 1 oz. to 50 feet of drill.....	10 "
Buckwheat.....	½ bu.	Oats.....	2½ bu.
Cabbage, 1 oz. to 3,000 plants.....	5 oz.	Okra, 1 oz. to 50 feet of drill.....	10 lbs.
Carrot, 1 oz. to 150 feet of drill.....	2½ lbs.	Onion Seed, 1 oz. to 200 feet of drill....	4 to 5 "
Cauliflower, 1 oz. to 3,000 plants.....	5 oz.	" for Sets.....	30 to 50 "
Celery, 1 oz. to 10,000 plants.....	4 "	Onion Sets, 1 quart to 10 feet of drill....	8 bu.
Clover, Alsike and White Dutch.....	6 lbs.	Parsnip, 1 oz. to 250 feet of drill....	5 lbs.
" Lucerne, Large Red and Crim- son Trefoil.....	8 "	Parsley, 1 oz. to 250 feet of drill....	8 "
" Medium.....	10 "	Peas, garden, 1 quart to 150 feet of drill..	1½ bu.
Collards, 1 oz. to 2,500 plants.....	6 oz.	" field.....	2½ "
Corn, sweet, 1 quart to 500 hills.....	8 qts.	Pepper, 1 oz. to 1,500 plants.....	4 oz.
Cress, 1 oz. to 150 feet of drill.....	8 lbs.	Potatoes.....	8 bu.
Cucumber, 1 oz. to 80 hills.....	1¼ "	Pumpkin, 1 quart to 300 hills.....	4 qts.
Egg Plant, 1 oz. to 2,000 plants.....	8 oz.	Radish, 1 oz. to 150 feet of drill.....	8 lbs.
Endive 1 oz. to 300 feet of drill.....	3 lbs.	Rye.....	1½ bu.
Flax, broadcast.....	½ bu.	Salsify, 1 oz. to 60 feet of drill.....	8 lbs.
Garlic, bulbs, 1 lb. to 10 feet of drill....	2 lbs.	Spinach, 1 oz. to 150 feet of drill.....	10 "
Gourd, 1 oz. to 25 hills.....	2½ lbs.	Summer Savory, 1 oz. to 500 feet of drill.	2 "
Grass, Blue Kentucky.....	2 bu.	Squash, summer, 1 oz. to 40 hills.....	2 "
" Blue English.....	1 "	" winter, 1 oz. to 10 hills.....	3 "
" Hungarian and Millet.....	½ "	Tomato, 1 oz. to 3,000 plants.....	3 oz.
" Mixed Lawn.....	3 to 5 "	Tobacco, 1 oz. to 5,000 plants.....	2 "
" Orchard, Perennial Rye, Red Top, Fowl, Meadow, and Wood Meadow.....	2 "	Turnip, 1 oz. to 250 feet of drill.....	4½ lbs.
		Vetches.....	2 bu.
		Wheat.....	1 to 2 "

Number of Plants or Trees to the Acre at Given Distances.

Dis. apart.	No. Plants.	Dis. apart.	No. Plants
½ foot.....	174,240	6 feet.....	1,210
1 "	43,560	7 "	889
1½ feet.....	19,360	8 "	680
2 "	10,890	9 "	573
2½ "	6,669	10 "	435
3 feet by 1 foot.....	14,520	11 "	360
3 " 2 feet.....	7,260	12 "	302
3 " 3 ".....	4,840	15 "	193
4 " 1 foot.....	10,888	18 "	134
4 " 2 feet.....	5,444	20 "	108
4 " 3 ".....	3,629	25 "	69
4 " 4 ".....	2,722	30 "	49
4 " 5 ".....	1,742		

THE GRANGER---Broadcast Hand Seed Sower.

For Sowing Cloyer, Timothy and other Grass Seeds, Rye,
Barley, Oats, Buckwheat, Flax Seed, etc.



The Granger. Price, Boxed, \$3.50.



The Fiddle-Bow Seed Sower.

THE GRANGER.

Sows on an average six (6) acres per hour at a common walking gait. A person entirely unused to sowing by hand can use this machine with perfect success, and do much better work than can possibly be done by hand, and, as the seed is distributed so much more evenly, there is a great saving in seed over hand sowing.

The bag and hopper holds about 22 quarts—as much as a man wishes to carry.

The machine is simple, substantial, not likely to get out of order, and any one who will take a little pains to understand it can operate it with perfect success.

CIRCULAR SENT WITH EACH MACHINE.

THE FIDDLE-BOW SEED SOWER.

This is a very light machine, weighing but three pounds, is carried over the shoulder by a strap; the sack will hold a half-bushel; there is a slide that works over an opening in the bottom of hopper, which is continually agitated by the distributor. This prevents clogging and insures an even and regular flow of seed on to the distributor. This opening is regulated by a seed scale on side of box; the distributor is operated by a bow, one full stroke at every step; it is a regular motion and comes perfectly natural with the easy swing of the arm. It is well made, handsomely finished, and will give perfect satisfaction with any kind of seed sown broadcast.

Fiddle-Bow Machine No. 1 is strong and finely finished; the belt is running below the fan.

Price, \$2.25.

Fiddle-Bow Machine No. 3. This is a medium price machine, but will do perfect work; the belt runs above the fan.

Price, \$1.75.

PHILADELPHIA LAWN MOWER.



Why should you buy an imitation of the "Philadelphia" that will wear out in a year when you can get the genuine article that will last you ten to fifteen years, and if you take reasonable care of it, will cost you nothing for repairs.

PRICES GIVEN BELOW ARE NET CASH WITH ORDER.

Style D. 10 inches, 6½ inch	Wheels, 26 lbs.....	\$6 00
" D. 12 " 6½ "	" 28 "	7 50
" M. 14 " 7 "	" 36 "	8 50
" M. 16 " 7 "	" 38 "	9 00
" M. 18 " 7 "	" 44 "	10 00

Descriptive Circular sent upon application.

Cast Steel Garden Trowels.

These are indispensable in the garden for the transplanting of young plants. 5 inch, 20c.; 6 inch, 25c. Postpaid.

Haseltine's Patent Weeder.

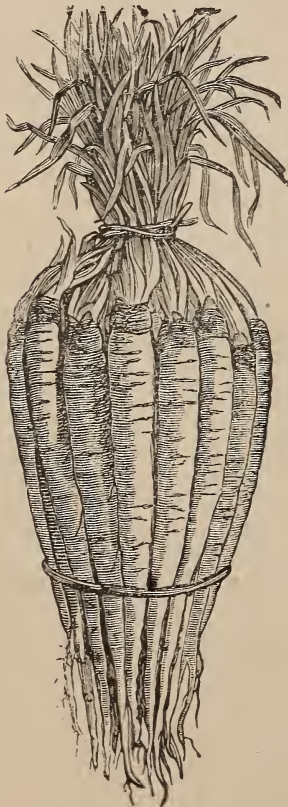
A very good and effective Hand Weeder. Price, 25c. each. Postpaid, 30c.

Exceisior Hand Weeder.

A very handy implement in the garden for loosening the soil among plants and destroying weeds. Price, 25c.; by mail, prepaid, 35c.

Lang's Hand Weeder.

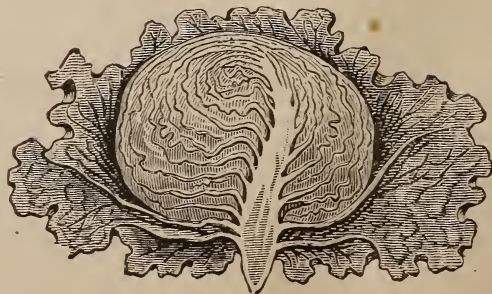
Price 30c. each, postpaid.



OYSTER PLANT -MAMMOTH.



BUTTER LETTUCE—PRIZE HEAD.



HANSON LETTUCE.

RAVEN'S CLIMAX CONDITION POWDER,

The only Positive Preventative and Cure for Gaps and Poultry Cholera.

AND THE BEST MEDICINE FOR

Horses, Cattle, Poultry, Sheep and Hogs.

RAVENS' CLIMAX CONDITION POWDER is warranted to be free from antimony, arsenic, alum, rosin, salpêtre and all harmful ingredients. It is entirely unlike any other preparation. It is **not a Feed**, but an **Honest Medicine** at an **Honest Price**. Try it once and you will always use it.

PRICE PER PACKAGE, 25 CENTS.

If by mail add 15 cents to prepay postage.

EGG FOOD.

For all kinds of *laying fowls* and young poultry. Will make your *hens lay* Winter and Summer; supports them during molting, and keeps the fowls in the best condition.

	1 lb. pkg. 25c.	2½lb. pkg. 50c.	6lb. Box. \$1 00	10 lb. box. \$1 50	25 lb. Keg. \$3 25.
Rust's Egg Producer					
	10 lbs.	25 lbs.	50 lbs.	100 lbs.	
Ground Oyster Shells.....	\$ 40	\$ 75	\$1 00	\$2 00	
Ground Bones for Chickens.....	50	1 25	2 00	4 00	

ADDRESS ALL ORDERS TO

JOSEPH F. DICKMANN,

Gravois and Oregon Avenues.

FERTILIZERS.

Terms, cash with order. Prices subject to Fluctuations.

Freight Charges to be paid by the Purchaser.

I name only such Fertilizers which a long experience enables me to offer with confidence, not only that they are of uniform composition, and well worth the prices asked, but the best in the market.

	Per 100 lbs.	Per Ton, 2000 lbs.
Ground Bone or Bone Meal.....	\$2 25	\$36 00
Superphosphate of Lime.....	2 50	40 00
Peruvian Guano, 1st quality.....	4 00	70 00
Universal Fertilizer.....	2 50	40 00
Nitra of Soda.....	3 75	-----
Lawn Fertilizer.....	2 25	40 00
Land Plaster or Gypsum, per bbl. about 300 lbs.	1 75,	10 bbls. 16 00,

MANHATTAN POULTRY FOOD

Will make your hens lay, prevent Cholera and other diseases. Give it a trial and see for yourself.

BOXES.

All kinds of Bushel and 3-Peck Boxes for Lettuce, sold at 10 cents each or \$1.15 per dozen.

☞ PRICES ON LARGE QUANTITIES ON APPLICATION. ☞

☞ THE HIGHEST PRICE PAID FOR ONION SETS. ☞

Hammond's Slug Shot

Kills the Potato Bugs.

HOW MUCH IS NEEDED FOR AN ACRE.

The quantity is regulated by the number of plants and their size, at the time of its use, and varies from 10 to 40 lbs. when used only as an Insecticide. Apply it with a *fine* perforated duster.

Parties have used from 300 to 400 lbs., claiming a profit in so heavy an application from its action as a fertilizer, and its effect on the *Grubs*.

ABOUT POTATO BUGS.

The best time to apply Slug Shot we have found to be early morning if convenient.

The small little bugs are the quickest despatched. If you wait till the bugs are well grown and have eaten the potatoes until only the stalks are left, *Slug Shot* will fetch these fellows and not injure the stalk, and if not to very late they will leaf out again.

If a heavy shower follows application, or new eggs are hatched, allowance must be made for such occurrence.

Remember Slug Shot does not act as Magic, Dynamite, nor Caustic, and will not eat up the insects by placing them in a box with powder without food.

The best answer to all criticism and the true test of all work is result.

"HAMMOND'S SLUG SHOT"

WHAT IS IT ?

SLUG SHOT is an impalpable powder, a combination of insecticides, poisonous to insects preying upon vegetation, and withal an excellent fertilizer, affecting nearly all classes of insect life, so that they either die, or leave for parts unknown.

USED SEVEN FULL YEARS.

SLUG SHOT has been used since 1880, in thousands of gardens and upon acres of field crops with conceded effectiveness upon Slugs, Worms, Caterpillars, Aphides, &c. It is in use in greater or less degree in every State in the Union and each Canadian Province, Egypt and New Zealand.

IS SLUG SHOT SAFE TO USE?

The best and completest answer possible to make is its record. Two and a half million pounds (2,500,000) have been made up, and within a small fraction used as above stated; and so far as known without any ill effect to man, beast or fowl; whether by handling, inhaling its dust, or partaking of fruits or vegetables upon which it had been used. Its odor and color prevent its being taken for any wrong purpose, and enough cannot be eaten unless done deliberately and forcibly to cause harm, and it has not transpired that this is feasible.

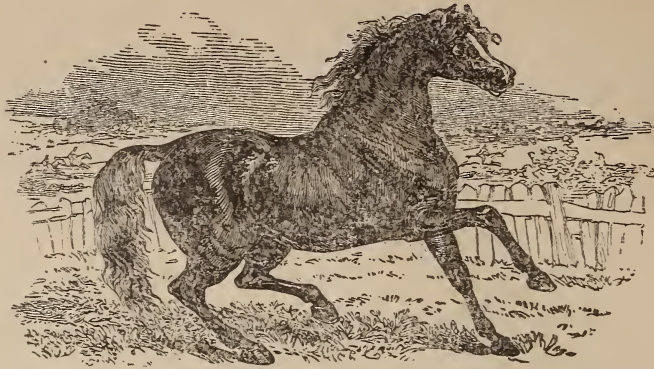
Slug Shot is put up in tin canisters also in 5 and 10 lb. bags, and in flour barrels, loose, that contains 235 lbs. each. It is applied by duster or bellows

Slug Shot is sold by the Seedsmen of America and Dealers generally, in any quantity desired.

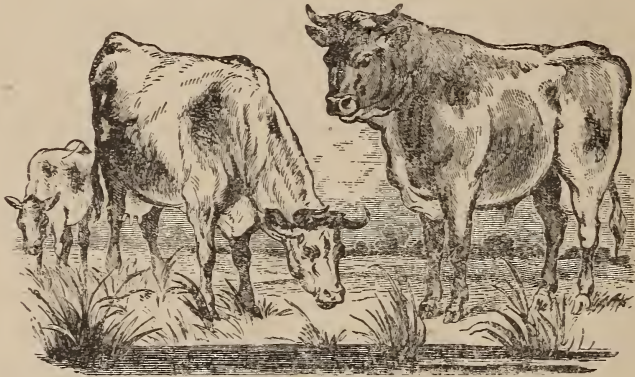
The price is for a five-pound package, 30 cts., by the barrel in bulk, 4 cts. per lb.

When you buy seeds, if you have never tried "Hammond's Slug Shot," order a 5 or 10 lb. package. *It is cheap, and no package leaves our works but that is guaranteed to the buyer to do just what we say it will do;* but it is not *magic* to charm away vermin.

OCCIDENTAL CONDITION POWDER.



The Best Invigorator, Tonic, Aliment and Physic on the market; for Horses, Cattle, Sheep, Hogs and Poultry. A purely vegetable compound, containing no injurious ingredients. Satisfaction guaranteed.



DIRECTIONS FOR USE.

Horses.—For Coughs, Colds, Colic, Shortness of Breath, Slobbering, Distemper, Glanders, Epizootic, Hidebound, Loss of Appetite, Worms, Bowel, Liver and Urinary Troubles, and all other cases of sickness, and when stock is chronically affected use 2 or 3 tablespoonfuls morning and evening mixed with feed slightly dampened.


FOR WORMS: The dose must be a large tablespoonful night and morning, for a few days, and then give a dose of flaxseed oil—say a pint—to carry off the worms, after which, tone up with the powder, say 1 tablespoonful once a day for about a week.

Cows.—To improve the appetite, to give a perfect, healthy and thrifty condition of the system, thus increasing the quantity and quality of the milk, use 1 or 2 tablespoonfuls morning and evening, well mixed with their food.

Sheep.—The beneficial effect of the powder is highly recommended especially for ewes when giving milk to lambs. Dose, $\frac{1}{2}$ tablespoonful twice a day.

Hogs.—To prevent Hog Cholera, etc., to fatten and get them in a fine marketable condition, use 1 or 2 tablespoonfuls morning and evening with their food thoroughly mixed.

Poultry.—For Gaps, Chicken Cholera, Sore Throat, and all other Poultry Complaints, mix 1 pound package with about 8 quarts of feed, and give three times a week. It is also an excellent thing for healthy fowls.

 **CAUTION.**—The country is full of stuff called Horse and Cattle Powder and by various other names, made by parties who have no practical knowledge of what medicines should constitute a Horse and Cattle Powder. Cornoyer's Occidental Condition Powder is made by practical Chemists, men who know for what purpose they compound the 15 different ingredients of which it is composed and also men capable of judging of the purity of the articles they use.

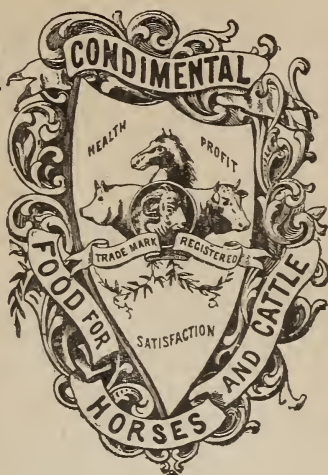
BEWARE OF COUNTERFEITS.

Storekeepers, farmers, dairymen and teamsters are cautioned, if they wish the genuine powder, to be sure to call for Occidental Condition Powder at my store.

Why You Should
Feed

JOS. F.

DICKMANN'S



Condimental
FOOD

TO

Horses or Cattle.

THEY LIKE IT.

The Condimental Food contains those ingredients that an animal's nature craves and which adds a relish to the whole mess of feed in which it is placed. It requires no coaxing to get them to eat it. If they are "off their feed" the Condimental Food will give them a good, hearty appetite. Any one who has to do with horses or cattle that wont eat can appreciate a pure food that will overcome this difficulty.

THEY THRIVE ON IT.

The result of feeding Condimental Food is to promote healthy digestion and proper assimilation of other feed. When this is done all the nutritious parts of the feed are absorbed into the system and go to make flesh, blood and fibre. Consequently there is no waste in feed when the Condimental is used. All the different organs of the body are so dependent on the stomach, that when that organ of the body is in good condition the others are also. A few days' feeding shows this. The animals are in better health and spirit; their coats become smooth and glossy, and their whole appearance indicates the good condition they are in.

AND IT PAYS.

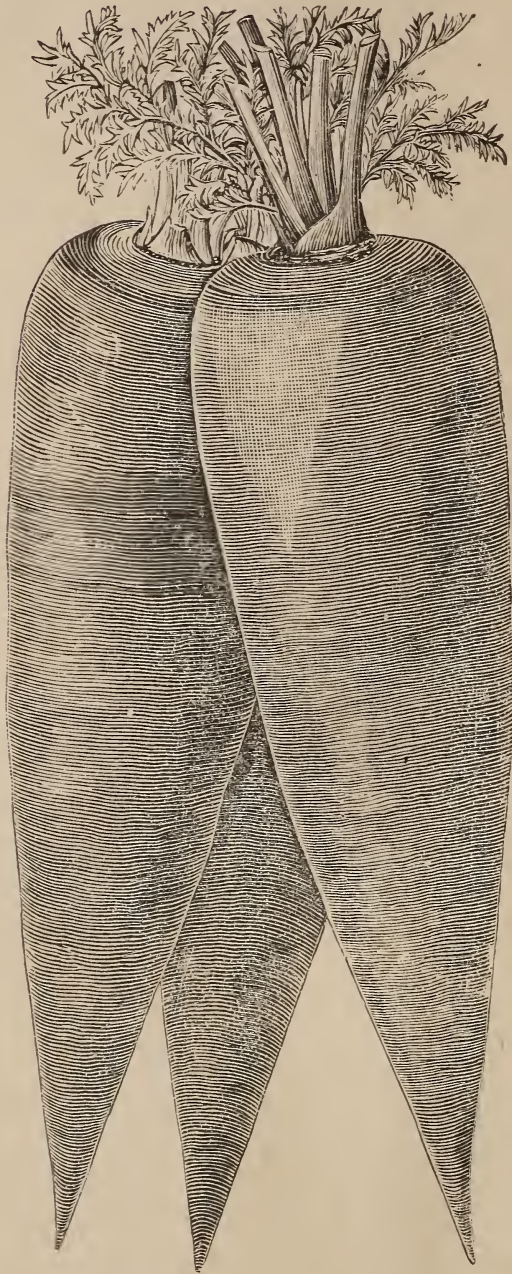
It pays big. It makes a horse more vigorous and he puts greater life and energy into his work. He does it easier and with less fatigue. Many of the little complaints that effect them are simply caused by indigestion—failure of the stomach to do its work properly—and a Condimental diet will change all that and put them in the best possible condition. They will last longer, and when the time comes for them to give up it will be because of their legs, and not the stomach or any of the organs depending on it.

DIRECTIONS FOR USE.

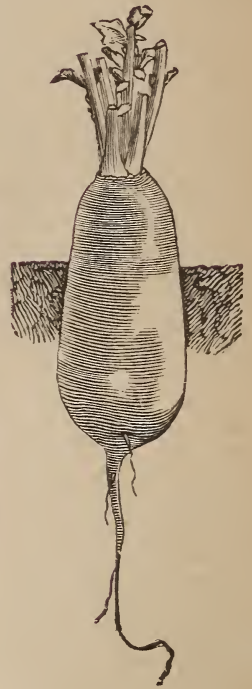
In each bag is a measure holding the quantity to give at a feeding, which give in with the regular feed. A twenty-five pound bag contains about 100 feeds.



COW HORN
TURNIP.



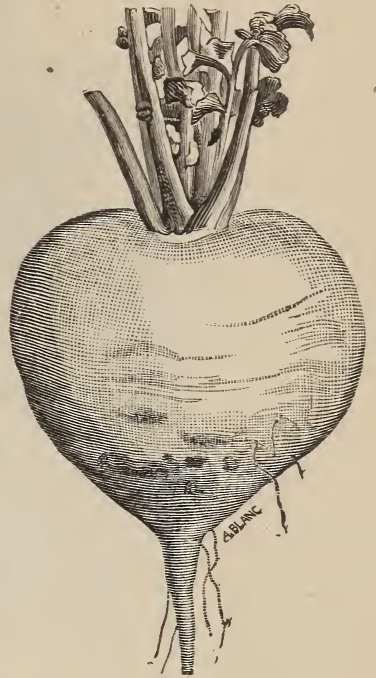
INTERMEDIATE CARROT.



JERSEY NAVET
TURNIP.



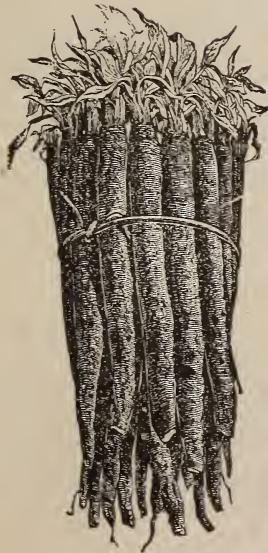
SWEET GERMAN TURNIP.



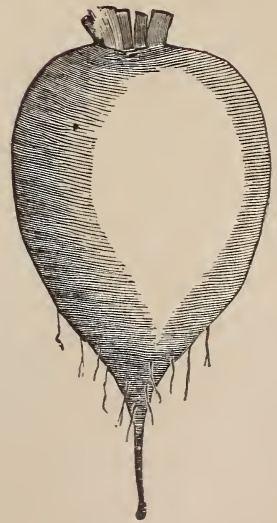
WHITE STUTTGART RADISH.



WAITE WINTER
RADISH.



SCORZONERA
OYSTER PLANT.



WHITE EGG
TURNIP.



LARGE ALGIERS CAULIFLOWER.



BEAUREGARD LETTUCE.



BROWN DUTCH LETTUCE.



BLUE ACME TOMATO.



LIVINGSTON'S FAVORITE TOMATO.

MEMORANDA.



JOS. F. DICKMANN,

Gravois and Oregon Aves.,

St. Louis, Mo.

Jos. F. Dickmann's



Special Discount List.



Prices for Large Quantities on
Application.

SEEDS.

TO DEALERS ONLY.

St. Louis, Mo., 189

We are pleased to send you our Special Discounts which applies to our Retail Catalogue prices only. We trust you will find it to your interest to make use of same, feeling confident that our Choice Northern Grown Stock will give best of satisfaction.

All 5 ct.	Flower and Vegetable seed packages,	at	\$2.00	per	100.
All 10 ct.	“ “ “ “ “		4.00	“	100.
All 15 ct.	“ “ “ “ “		6.00	“	100.
All 20 ct.	“ “ “ “ “		8.00	“	100.
All 25 ct.	“ “ “ “ “		10.00	“	100.

At these low prices 5 ct. packages cost you only 2 cts. and 10 ct. packages 4 cts. each. All other Seeds in packages, 60 per cent. off.

SEEDS BY OZ. OR POUND.

Seeds by the oz. or one-quarter pound,	-	-	33	per	cent. off.
Seeds at pound rates,	-	-	25	“	“ “
Vegetable Seed by pint or quart,	-	-	25	“	“ “

FARM SEEDS—Except Grass and Clover.

Farm Seeds at Quart and Pound rates,	-	-	25	per	cent. off.
On single Peck rates,	-	-	20	“	“ “
On single Bushel,	-	-	15	“	“ “
On two and one-half to ten bushel,	-	-	10	“	“ “

Above discounts on farm seeds, include all seeds except Grasses and Clovers.

GRASS AND CLOVER.

On all Grasses and Clovers, single pound rates,	-	-	15	per	cent. off.
By the peck, bushel or one-hundred pounds,	-	-	10	“	“ “

Red Clover and Timothy are net if wanted in several bushel lots. Write for special prices.

On Grass Mixtures at Bushell or one-hundred lb. rates,	-	-	15	per	ct. off.
On Potatoes at barrel rates,	-	-	20	“	“
On Tools,	-	-	10	“	“

When our Wholesale List is used, we allow a discount of 5 per cent. for cash orders. Grass and Clover Seeds always net.

The above discounts we allow on orders made out from our Retail catalogue only. It happens occasionally that we have a surplus stock of some varieties of seeds, and therefore, if you will make out a full list of such seeds as you desire, often make you a price lower than above discounts. Send for estimates.

We do not sell seeds on commission. We find this necessary, because we are jealous of our reputation as seedsmen. Commission seeds are necessarily not fresh, often ten years old. We cannot thus defraud our customers; therefore we do not sell seeds on commission, nor take back any seeds sold by us to dealers. We would very much like your order for our

CHOICE NORTHERN GROWN SEEDS.

Jos. F. Dickmann,

Gravois and Oregon Aves.,

ST. LOUIS, MO.

JOS. F. DICKMANN.

STANDARD WEIGHTS.

	Weight per Bushel.	Quantity used to sow one acre.
Wheat.....	60 lbs.	About 1 1/2 Bushels.
Barley.....	48 "	" 2 1/2 "
Oats.....	32 "	" 2 1/2 "
Rye.....	56 "	" 1 1/2 "
Broom Corn Seed.....	48 "	" 1 Peck.
Buckwheat.....	52 "	" 1 Bushel.
Cane Seed.....	50 "	" 5 lbs.
Castor Beans.....	46 "	" 1/2 Peck.
Seed Corn.....	56 "	" 1/2 "
Field Beans.....	60 "	" 1 1/2 Bushels.
Field Peas.....	60 "	" 2 "
Flax Seed.....	56 "	" 1 "
Red Clover.....	60 "	" 10 lbs.
White Clover.....	60 "	" 8 "
Alsike Clover.....	60 "	" 8 "
Alfalfa Clover.....	60 "	" 20 "
Timothy Seed.....	45 "	" 15 "
Millet Seed.....	50 "	" 30 "
Hungarian Seed.....	48 "	" 30 "
Orchard Grass.....	14 "	" 20 "
Red Top.....	14 "	" 20 "
Johnson Grass.....	28 "	" 30 "
Kentucky Blue Grass.....	14 "	" 30 "
Creeping Bent Grass.....	14 "	" 20 "
English Blue Grass.....	24 "	" 50 "
Fowl Meadow.....	14 "	" 20 "
Crested Dogstail.....	16 "	" 20 "
English Rye Grass.....	20 "	" 50 "
Italian Rye Grass.....	20 "	" 50 "
Sheeps Fesque.....	14 "	" 30 "
Meadow Foxtail.....	8 "	" 16 "
Resque Grass.....	14 "	" 40 "
Sweet Vernal Grass.....	10 "	" 30 "
Tall Meadow Oat Grass.....	12 "	" 35 "
Mixture for Pasture.....	14 "	" 35 "
Mixed Lawn Grass.....	14 "	" 45 "
Bermuda Grass.....	— "	" 3 "
Hemp Seed.....	44 "	" 1 Bushel.
Potatoes.....	60 "	" 10 Bushels.
Mixed Bird Seed.....	50 "	
Canary Seed.....	60 "	
Rape Seed.....	50 "	
Apple Seed.....	40 "	
Osage Orange Seed.....	33 "	
Top Onions.....	28 "	
Onion Sets.....	Measured.	



CELERY.—IMPROVED WHITE PLOME.