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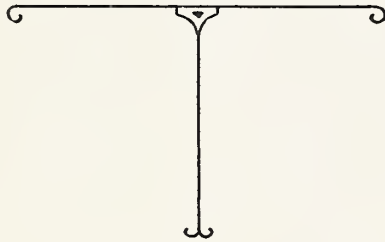
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ROSS BROS. Co

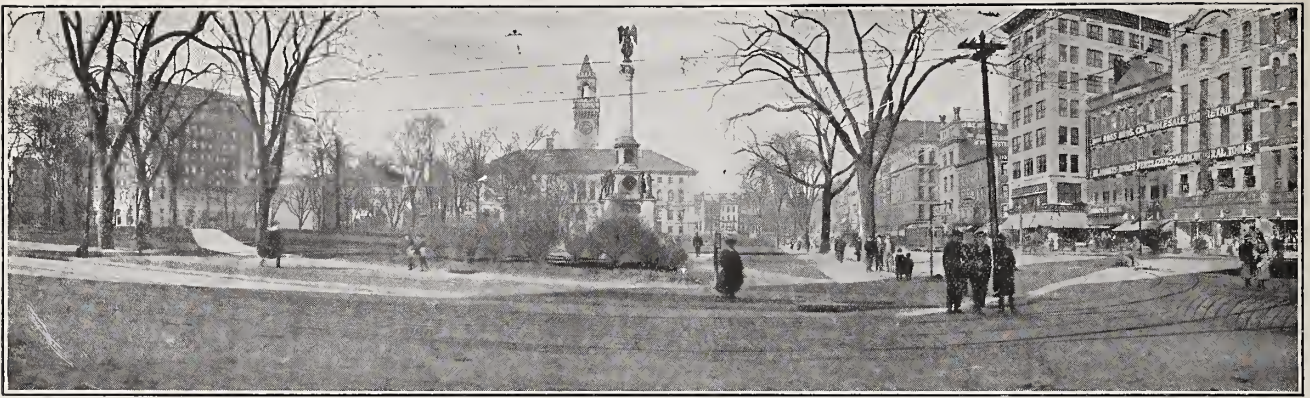
WORCESTER, MASS.



YEAR~BOOK

~1925~

W. A. Shawmaker
1925



Ross Bros. Co.

New England's Greatest Agricultural Department Store. Established in 1845 by John D. Lovell; in 1880 by Wm. H. Earle; in 1888 by Ross Bros.; in 1906 incorporated under the name of Ross Bros. Co.

Members of the
American Seed Trade
Association

GENERAL INSTRUCTIONS FOR CUSTOMERS

PLEASE READ CAREFULLY

ROSS BROTHERS COMPANY gives no warranty, express or implied, as to description, purity, productiveness or any other matter, of any Seeds, Bulbs or Plants it sends out, and it will not be in any way responsible for the crop.

ORDER EARLY—We endeavor to fill all orders as soon as received, but during the rush season of April and May, delays are sometimes unavoidable. This, however, can be partly overcome if our patrons will send us their orders early.

IMPORTANT—When sending money to cover cost of postage, allow for weight of box or packing material. For example, allow for three pounds postage on two pounds of Beans or other seed, as the package when ready for mailing will weigh over two pounds.

PACKING—We make no charge for boxes, bags or packing, nor for delivery to Freight Depot or Express Offices in Worcester, Mass. This applies to retail trade only.

All orders are acknowledged as soon as received and notice of freight or express shipments will be sent as soon as orders are shipped. After an order has been received and acknowledged by us it must not be canceled; we may have an order ready for shipment or may have shipped it the day before the cancellation order arrives at our office. This means an expense to us for labor or for freight charges and in some cases the seeds are not returned to us until too late for the seed to be used. Therefore, it will be necessary for us to make a charge of 20 per cent on all canceled orders.

FREE DELIVERY—We deliver postpaid to any Post Office in the United States, Vegetable and Flower Seeds in packets, ounces, quarter pounds and pounds, at prices quoted in this catalogue for such quantities. If larger quantities are wanted by Parcel Post, postage **MUST BE SENT**. See Parcel Post rates.

GRASS AND FIELD SEEDS—All Grass and Field Seeds, Onion Sets and Potatoes are shipped only at purchaser's expense by express or freight, as ordered. Prices quoted in this catalogue are F. O. B. Worcester. Small quantities of Grass or Field Seeds sent by Parcel Post if postage is added at parcel post rates.

DO NOT ORDER LARGE, HEAVY LOTS OF SEEDS SENT BY EXPRESS unless you are certain that you are willing to pay the express charges, which, even with the reduction now made on such shipments by the express companies, are much more than freight charges.

But do not order a few pounds of seeds sent by freight which could be sent as cheaply, more safely, and which would reach you much sooner if sent by express.

NOTICE—While it is not our custom to substitute, we feel that in the event of our being sold out of any variety it would be to the advantage of our patrons to allow us this privilege, for, on receipt of any substitute it is not perfectly satisfactory, the same may be returned and money paid will be refunded.

IF GOODS ARE WANTED BY PARCEL POST, POSTAGE MUST BE ADDED AS PER TABLE, EXCEPT FOR THOSE QUANTITIES OF SEEDS WE OFFER TO DELIVER FREE.

REMITTANCES for small orders may be made in postage stamps, but if stamps are used, care should be taken that they are not moistened by handling. Enclosing in oiled paper is much the safer way to send them.

FOR LARGE ORDERS, remittances should be made by Express Money Order, P. O. Money Order, Bank Draft, or Registered Letter, all of which are inexpensive and absolutely safe.

C. O. D. ORDERS—Do not ask us to send goods C. O. D. If it is not possible to remit with the order, give your order to the Express Company's Agent; the goods will then be delivered to you without the C. O. D. charges, as by this method they make no charge for collecting and returning the money.

Parcel Post Rate Table

Wt.	ZONES										
	Local	1st	2nd	3rd	4th	5th	6th	7th	8th		
1	\$.05	\$.05	\$.06	\$.07	\$.08	\$.10	\$.11	\$.14	\$.17	\$.21	\$.24
2	..06	..06	..08	..10	..11	..14	..17	..21	..25	..31	..36
3	..06	..07	..10	..12	..15	..20	..25	..31	..33	..41	..48
4	..07	..08	..12	..19	..26	..33	..41	..51	..60	..72	..84
5	..07	..09	..14	..23	..32	..41	..51	..61	..72	..84	..96
6	..08	..10	..16	..27	..38	..49	..61	..72	..84	..96	1.08
7	..08	..11	..18	..31	..44	..57	..71	..84	..96	1.08	1.20
8	..09	..12	..20	..35	..50	..65	..81	..96	1.08	1.20	1.32
9	..09	..13	..22	..39	..56	..73	..91	1.08	1.20	1.32	1.44
10	..10	..14	..24	..43	..62	..81	1.01	1.20	1.32	1.44	1.56
11	..10	..15	..26	..47	..68	..89	1.11	1.32	1.44	1.56	1.68
12	..11	..16	..28	..51	..74	..97	1.21	1.44	1.56	1.68	1.80
13	..11	..17	..30	..55	..80	1.05	1.31	1.56	1.68	1.80	1.92
14	..12	..18	..32	..59	..86	1.13	1.41	1.68	1.80	1.92	2.04
15	..12	..19	..34	..63	..92	1.21	1.51	1.80	1.92	2.04	2.16
16	..13	..20	..36	..67	..98	1.29	1.61	1.92	2.04	2.16	2.28
17	..13	..21	..38	..71	1.04	1.37	1.71	2.04	2.16	2.28	2.40
18	..14	..22	..40	..75	1.10	1.45	1.81	2.16	2.28	2.40	2.52
19	..14	..23	..42	..79	1.16	1.53	1.91	2.28	2.40	2.52	2.64
20	..15	..24	..44	..83	1.22	1.61	2.01	2.40	2.52	2.64	2.76
21	..15	..25	..46	..87	1.28	1.69	2.11	2.52	2.64	2.76	2.88
22	..16	..26	..48	..91	1.34	1.77	2.21	2.64	2.76	2.88	3.00
23	..16	..27	..50	..95	1.40	1.85	2.31	2.76	2.88	3.00	3.12
24	..17	..28	..52	..99	1.46	1.93	2.41	2.88	3.00	3.12	3.24
25	..17	..29	..54	1.03	1.52	2.01	2.51	3.00	3.12	3.24	3.36
26	..18	..30	..56	1.07	1.58	2.09	2.61	3.12	3.24	3.36	3.48
27	..18	..31	..58	1.11	1.64	2.17	2.71	3.24	3.36	3.48	3.60
28	..19	..32	..60	1.15	1.70	2.25	2.81	3.36	3.48	3.60	3.72
29	..19	..33	..62	1.19	1.76	2.33	2.91	3.48	3.60	3.72	3.84
30	..20	..34	..64	1.23	1.82	2.41	3.01	3.60	3.72	3.84	3.96
31	..20	..35	..66	1.27	1.88	2.49	3.11	3.72	3.84	3.96	4.08
32	..21	..36	..68	1.31	1.94	2.57	3.21	3.84	3.96	4.08	4.20
33	..21	..37	..70	1.35	2.00	2.65	3.31	3.96	4.08	4.20	4.32
34	..22	..38	..72	1.39	2.06	2.73	3.41	4.08	4.20	4.32	4.44
35	..22	..39	..74	1.43	2.12	2.81	3.51	4.20	4.32	4.44	4.56
36	..23	..40	..76	1.47	2.18	2.89	3.61	4.32	4.44	4.56	4.68
37	..23	..41	..78	1.51	2.24	2.97	3.71	4.44	4.56	4.68	4.80
38	..24	..42	..80	1.55	2.30	3.05	3.81	4.56	4.68	4.80	4.92
39	..24	..43	..82	1.59	2.36	3.13	3.91	4.68	4.80	4.92	5.04
40	..25	..44	..84	1.63	2.42	3.21	4.01	4.80	4.92	5.04	5.16
41	..25	..45	..86	1.67	2.48	3.29	4.11	4.92	5.04	5.16	5.28
42	..26	..46	..88	1.71	2.54	3.37	4.21	5.04	5.16	5.28	5.40
43	..26	..47	..90	1.75	2.60	3.45	4.31	5.16	5.28	5.40	5.52
44	..27	..48	..92	1.79	2.66	3.53	4.41	5.28	5.40	5.52	5.64
45	..27	..49	..94	1.83	2.72	3.61	4.51	5.40	5.52	5.64	5.76
46	..28	..50	..96	1.87	2.78	3.69	4.61	5.52	5.64	5.76	5.88
47	..28	..51	..98	1.91	2.84	3.77	4.71	5.64	5.76	5.88	6.00
48	..29	..52	1.00	1.95	2.90	3.85	4.81	5.76	5.88	6.00	6.12
49	..29	..53	1.02	1.99	2.96	3.93	4.91	5.88	6.00	6.12	6.24
50	..30	..54	1.04	2.03	3.02	4.01	5.01	6.00	6.12	6.24	6.36
51	..30	..55	1.06	2.07	3.08	4.09	5.11	6.12	6.24	6.36	6.48
52	..31	..56	1.08	2.11	3.14	4.17	5.21	6.24	6.36	6.48	6.60
53	..31	..57	1.10	2.15	3.20	4.25	5.31	6.36	6.48	6.60	6.72
54	..32	..58	1.12	2.19	3.26	4.33	5.41	6.48	6.60	6.72	6.84
55	..32	..59	1.14	2.23	3.32	4.41	5.51	6.60	6.72	6.84	6.96
56	..33	..60	1.16	2.27	3.38	4.49	5.61	6.72	6.84	6.96	7.08
57	..33	..61	1.18	2.31	3.44	4.57	5.71	6.84	6.96	7.08	7.20
58	..34	..62	1.20	2.35	3.50	4.65	5.81	6.96	7.08	7.20	7.32
59	..34	..63	1.22	2.39	3.56	4.73	5.91	7.08	7.20	7.32	7.44
60	..35	..64	1.24	2.43	3.62	4.81	6.01	7.20	7.32	7.44	7.56
61	..35	..65	1.26	2.47	3.68	4.89	6.11	7.32	7.44	7.56	7.68
62	..36	..66	1.28	2.51	3.74	4.97	6.21	7.44	7.56	7.68	7.80
63	..36	..67	1.30	2.55	3.80	5.05	6.31	7.56	7.68	7.80	7.92
64	..37	..68	1.32	2.59	3.86	5.13	6.41	7.68	7.80	7.92	8.04
65	..37	..69	1.34	2.63	3.92	5.21	6.51	7.80	7.92	8.04	8.16
66	..38	..70	1.36	2.67	3.98	5.29	6.61	7.92	8.04	8.16	8.28
67	..38	..71	1.38	2.71	4.04	5.37	6.71	8.04	8.16	8.28	8.40
68	..39	..72	1.40	2.75	4.10	5.45	6.81	8.16	8.28	8.40	8.52
69	..39	..73	1.42	2.79	4.16	5.53	6.91	8.28	8.40	8.52	8.64
70	..40	..74	1.44	2.83	4.22	5.61	7.01	8.40	8.52	8.64	8.76

IMPORTANT

In remitting postage always add it to foot of the Order as a separate item—this will help to avoid mistakes.

Your local Postmaster will inform you what Zone you are in from Worcester, if you are in doubt, and you can add postage accordingly.



The Shady Spot Lawn Grass Seed

Produces in Shaded Places a Fine Velvety Growth

Bare spots seriously affect the otherwise attractive appearance of many lawns, and while for renovating or filling such spots our Worcester or Park Mixtures are entirely sufficient, where such spots are caused by the shade of trees, a renovation can be better accomplished by the use of the Shady Spot Mixture. This is composed of varieties which thrive in shade. It includes all known varieties of this class otherwise adapted to the lawn, all of which are of dwarf habit and fine, even growth. To secure a good growth, however, the soil should be properly prepared before sowing seed. Soil that is naturally moist, which has been densely shaded, often becomes sour, which is indicated by a growth of moss and sometimes by bog grass. In such cases, the moss or grass should be removed, the soil thoroughly worked over, and an application of lime be given at the rate of one bushel to each thousand feet. If the soil is dry, and there has been no growth on it for some time, it is usually very hard and it is useless to sow seed without working it deeply and thoroughly pulverizing it. What would be preferable would be to remove some of the soil and add new soil and rotted turf, and thereby furnish humus, which soils on which nothing has grown for some time usually lack. While, if soil is well prepared, the growth will continue for some time, we do not claim the permanency for this that we do for the Worcester when used in the open exposure to the sun, as there are no grasses which, if cut often, will be as permanent in the shade as others in the open. This is especially true if the shade is very dense. We therefore advise yearly attention and applications of a small quantity of seed if growth is thin. Those who have hitherto been unable to secure a growth under trees because they have not used a special mixture, will find this of great value, and will be well repaid for any slight expense and trouble incurred in following our suggestions by the greatly improved appearance of the lawn. Price, 1b. 60 cts., 5 lbs. \$2.75, 10 lbs. \$5.25, 100 lbs. \$50.00.

Golf Course Mixtures

For Putting Greens and Fair Greens

We have made a close study of the grasses used on Golf Courses and Pleasure Grounds, as there is no purpose for which turf is grown that is so exacting. No other grass is required to stand so much tramping and rough usage and it is very necessary that the correct proportions of the proper varieties be used to produce a firm, thick and lasting sod. The mixtures listed below are composed of native and European grasses which have proven of great value for this purpose. They are all of dwarf spreading growth, forming a close smooth surface which improves from year to year if given the proper care. For Putting Greens, 1b. 75 cts., 24 lbs. (1 bu.) \$15.00. For Fair Greens, 1b. 50 cts., 20 lbs. (1 bu.) \$9.50.

Special Mixtures of Grass Seed

In addition to the several mixtures of grass seeds which we list in this catalogue, we can supply grass seed in mixtures suitable for almost any purpose or location. We will also be pleased to name prices on any special formula on request.



The Worcester Lawn Grass Seed Produces Quickly After Sowing

a luxuriant velvety growth. Eventually a firm, durable sward which, with proper care, will last for years.

It is beyond question that a thicker and more prolonged growth is very generally produced by a combination of several grasses than by only one or two.

The Worcester Lawn Grass Seed produces a perfect and enduring lawn of luxuriant richness with closely interwoven, firm and elastic turf, and it is usually ready for cutting in six weeks from time of sowing. This Lawn Grass is composed of a combination of various fine-leaved, deep-rooting grasses of interweaving habit, that flourish under our varied conditions, soils and climates, growing during different seasons of the year, so that a deep green, smooth and velvety sward, free from clumps, is maintained without burning brown in Summer. Combined in well-balanced proportions, the result of years of study and observation, the Worcester Lawn Grass Seed will produce in a few weeks a fine, velvety growth, and each succeeding season a continuous thick growth from early in the spring until the ground freezes, forming a close, firm turf which will bear frequent cutting and constant trampling without injury. And with reasonable care this desirable condition of the lawn may be maintained permanently.

Worcester Lawn Grass Seed is a mixture of the highest grade seeds of foreign and native grasses. The mixture is heavier than those generally offered, weighing about twenty-five pounds to the bushel, and is as free from weed seeds as it is possible to make it with the most improved machinery.

We advise a minimum sowing of 140 pounds to the acre, but often a larger quantity would probably be preferable; 160 pounds would not be too much when the quickest possible effect is desired. A pound will sow about 300 square feet. Price, lb. 45 cts., 5 lbs. \$2.10, 10 lbs. \$4.00, 100 lbs. \$38.00.

The Park Lawn Grass Seed

This mixture is prepared, as far as price will permit, on the same lines as our Worcester mixture. It is designed chiefly to meet a demand for a mixture somewhat lower in price for sowing various large areas and the less important places about the home, but is entirely adequate for all purposes. Price, lb. 35 cts., 5 lbs. \$1.60, 10 lbs. \$3.00, 100 lbs. \$28.00.



EVERYBODY KNOWS ROSS' SEED GROWS



The Worcester Mixtures of Grass Seed

For Meadows and Pastures
Productive, Permanent, Profitable

While on heavy natural grass soils there are perhaps no grasses which will produce larger yields for a short period than timothy and red top, it is a fact acknowledged by many of our best farmers that a combination of several varieties are much superior for a continual large production of hay, especially on lighter soils.

While Europe has supplied us in years past with many of our so-called fancy grasses, there has been a very small import of these since 1921 until the present time, when we are again receiving stocks from this source.

Mixture for Permanent Pasture for Medium Soil

Though many farmers so rotate their crops that the permanency of their mowing fields is not of great consideration, such as regularly pasture their herds, invariably desire that the pasture shall be permanently productive when once seeded. Aside from permanency, an important requisite is that of continual growth from early spring until fall, and as many varieties as possible should be used which bear constant tramping and continued close grazing. This mixture is prepared with these ends in view. 40 to 50 pounds to the acre. **Lb. 35 cts., 10 lbs. \$3.00, 100 lbs. \$28.00.**

Permanent Pasture Mixture for Dry, Hilly Lands

In no situation are timothy and red top so unsuitable for seeding as in dry, hilly pasture, for both require strong, rather moist land to thrive for any length of time. This mixture is composed of grasses which thrive on light soil, endure long drought and bear, without injury, constant cropping. **Lb. 35 cts., 10 lbs. \$3.00, 100 lbs. \$28.00.**

Mixture for Permanent Mowing for Dry Soil

While dry land is not the ideal soil for a grass crop, much larger crops can be obtained with this mixture than with timothy and red top, because it contains, in large proportions, varieties which thrive on dry soil and of which some succeed on soil where both the former would utterly fail. 40 to 50 pounds to the acre. **Lb. 35 cts., 10 lbs. \$3.00, 100 lbs. \$28.00.**

Mixture for Mowing for Medium Soil

On soil which is of average natural fertility and neither unusually dry nor wet, well enriched before sowing and regularly top-dressed, in short, on soil which will produce good timothy hay, this mixture will produce at first cutting a



Cutting more than three tons per acre of Mowing Mixture on farm of A. B. Harwood, Baldwinsville, Mass.

larger crop and a much heavier aftermath of hay, which, though not like timothy, salable in cities for feeding horses, is, nevertheless, superior for feeding to both cattle and horses, because richer in nutriment, and more readily eaten because more tender; that is, if seed is used in sufficient quantity and crop is harvested at proper time. Not only will the product be greater at first, but, if properly treated, the land will continue in productive condition for many years. Forty pounds to the acre. **Lb. 35 cts., 10 lbs. \$3.00, 100 lbs. \$28.00.**

Grass Seeds of the Highest Grade For Mowings, Pastures and Lawn

Prices of all Grass Seeds subject to market changes. Prices include bags or sacks. Unless otherwise noted, 25 lbs. at 100-lb. rate.

With the exception of when more than one grade of a species is offered the seeds of all grasses are of the grade known in the trade as "fancy." This is the highest grade obtainable and is as nearly pure as the greatest care and most improved machinery can make it. This should be considered when comparing our prices with those of other dealers. All the seeds offered have been tested by expert analysts either in this country or abroad and the purity and growth will be given, if desired on application.

CANADIAN BLUE GRASS (*Poa compressa*). A hardy perennial with creeping root-stalks which form a strong turf. It withstands drought better than most cultivated grasses and is especially valuable in Lawn Grass mixtures. It succeeds best on clay soils but does well on sandy soils, being better adapted for use on sterile knolls and barren fields than probably any other cultivated grass. For hay or pasture it is best sown with other grasses. Height 6 to 20 inches. **Lb. 35 cts., 10 lbs. \$3.20.**

CREeping BENT GRASS (*Agrostis stolonifera*). This is particularly valuable for lawns that are to be used for croquet grounds or for tennis courts, because it is benefited more than hurt by tramping and by its bright color adds to the beauty of the lawn. **Lb. \$1.25.**

CREsted DOG'S-TAIL (*Cynosurus Cristatus*). A stoloniferous perennial forming a smooth, compact lasting turf. Thrives best on rich moist land but it can adapt itself to almost any soil. Its roots penetrate deeply, thus enabling it to stand severe droughts. The color is the same as that of Kentucky Blue Grass and it is therefore excellent in mixture with that sort for lawns. If sown alone 30 pounds to the acre is none too much but it is recommended only in mixtures with other sorts. **Lb. 45 cts., 10 lbs. \$4.20.**



Red Top



Timothy



Grass Seeds



A field of Worcester Timothy (99½ per cent pure)

ENGLISH or PERENNIAL RYE GRASS (*Lolium perenne*). Of rapid growth and productive; produces a strong growth in four or five weeks. Made into hay it is rather hard, but is very nutritious and is much relished by cattle and horses. **Lb. 25 cts., 10 lbs. \$2.00.**

ITALIAN RYE GRASS (*Lolium Italicum*). Thrives on a variety of soils, producing early and large crops. Though a perennial, it is short-lived and generally treated as an annual. Valuable for soiling. Sown in the fall, will produce a large crop of hay the following season. **Lb. 25 cts., 10 lbs. \$2.00.**

KENTUCKY BLUE GRASS (*Poa pratensis*). One of the most valuable grasses for pasture and lawn, requires some time to become established, but lasts indefinitely on congenial soils. Sown with White Clover it forms a splendid lawn; for this purpose use not less than fifty-four pounds of Blue Grass and six pounds of White Clover per acre. If sown by itself for meadow or pasturage use about twenty-eight pounds per acre. **Lb. 50 cts., 10 lbs. \$4.50.**

MEADOW FESCUE (*Festuca pratensis*). Largely used for permanent mowing mixtures. Though at once productive, it does not reach its full production for two or three years, when it surpasses most other grasses. Succeeds best on cool, moist soil rich in organic matter. **Lb. 20 cts., 10 lbs. \$1.80.**

MEADOW FOXTAIL (*Alopecurus pratensis*). One of the best pasture grasses; makes an earlier growth than any other variety, thrives best in low, moist land, but grows well on high, light soil and bears extreme summer heat without burning. Market price.

PACEY'S RYE GRASS. Used extensively in lawn mixtures. Valuable because of its quick growth. **Lb. 25 cts., 10 lbs. \$2.20.**

FANCY RED TOP, WORCESTER GRADE (*Agrostis vulgaris*). Next to Timothy this is the most largely used grass; it is highly recommended both as a permanent pasture and as a meadow grass for hay, throughout New England and the Southern States. It will not do well in sandy or leachy soils, but it is said to be adapted to a wider range of soil and climatic conditions than any cultivated grass grown in America. Used extensively in lawn mixtures. **Lb. 30 cts., 10 lbs. \$2.50, 100 lbs. \$22.00.**

ORCHARD GRASS (*Dactylis glomerata*). One of the most nutritious and valuable grasses, early, hardy, and permanent, and thrives in all soils and situations. Bears frequent mowing and constant cropping, and is very productive. Should be included in liberal proportions in most mixtures for both mowing and pasture. **Lb. 30 cts., 10 lbs. \$2.80.**

RED, or CREEPING FESCUE (*Festuca rubra*). Red Fescue is adapted to about the same general climatic conditions as Blue Grass and can be grown as far northward as any agriculture is possible. Its leaves are bright green and the plant does not grow in tufts but creeps by underground stems, so that one plant may eventually cover a circle two to four feet in diameter. It is used mainly as a lawn plant. On sandy or gravelly soil it makes exquisite lawns. It will withstand more shade than most grasses and is therefore valuable for shady lawns. **Lb. 35 cts., 10 lbs. \$3.20.**

TALL MEADOW OAT GRASS (*Avena elatior*). A very hardy species, making an early and luxuriant growth and continuing to grow until late in the fall and is, therefore, especially desirable for pastures. It makes good hay and when used for soiling, can be cut several times in the season. **Lb. 30 cts., 10 lbs. \$2.80.**

TIMOTHY (*Phleum pratense*). Timothy is the standard hay of commerce. The cheapness of the seed, the ease of culture, and excellent quality of the hay makes it a favorite. It is adapted to all soils, but succeeds best on moist loams and clays. The life of a Timothy field varies according to soil and climate. It produces the most profitable yields the first and second years.

WORCESTER GRADE. There are many grades of Timothy in the market and many of these are of a high purity test; but there is a vast difference in the quality of pure seed. Much of this is light seed, cleaned and re-cleaned until the purity is of a high percentage, almost 100 per cent pure, but still remains light seed which under the best conditions is of only fair germination. Our Worcester Grade is a seed which is of the highest quality at the start. Taken from the best fields of full ripe seed, we can assure you, that after going through the cleaning process we can guarantee a purity of 99.5 per cent. In the Worcester brand we are offering the best seed it is possible to obtain. **Lb. 16 cts., 25 lbs. \$3.25, 100 lbs. \$12.50.**

WACHUSETT GRADE. This grade is of fine quality, better than most seed offered as prime. We guarantee this 97.5 per cent pure. **Lb. 15 cts., 25 lbs. \$3.00, 100 lbs. \$11.50.**



BLUE GRASS

Kentucky Blue Grass



Orchard Grass



CLOVERS

BUILD YOUR LAND WITH CLOVERS

The sowing of clover seed is absolutely essential to proper rotation of crops and to keep up the fertility of the land.

Clovers are the basis of successful farming. Land well set in clover not only makes a good forage or hay crop, but improves the condition and productiveness of the land. In the rotation of crops, clovers are most valuable, and in all sections except possibly the extreme South, are indispensable.

Inoculate your clover with **MULFORD CULTURE**, SEE PAGE 7.

ALSIKE OR SWEDISH CLOVER

(*Trifolium Hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high; is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. Flower resembles white clover except head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone, or 3 lbs. per acre with timothy. **Lb. 35 cts., 10 lbs. \$3.20, 100 lbs. \$30.00.**

CRIMSON CLOVER (*Trifolium Incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year. Late summer or fall seeding is usually practiced. It is not hardy and must be sown each year. **Lb. 20 cts., 10 lbs. \$1.60, 100 lbs. \$14.00.**

MAMMOTH RED CLOVER (*Trifolium Pratense Perenne*). Sometimes called Sapping or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the Medium Red. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone, or with other crops 10 lbs. per acre; flowers pink. It can be cut several times in a season. **Lb. 52 cts., 10 lbs. \$5.00, 100 lbs. \$48.00.**



Medium Red Clover

MEDIUM RED CLOVER (*Trifolium Pratense*). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can be cut twice a season. It is usually resown every third season; flowers pink. **Lb. 50 cts., 10 lbs. \$4.80, 100 lbs. \$46.00.**

WHITE DUTCH OR LAWN CLOVER (*Trifolium Repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. **Lb. 85 cts., 10 lbs. or over 80 cts. per lb.**

Sweet Clover

BOKHARA OR SWEET CLOVER (*Melilotus Alba*). This is a native of all parts of the United States and Canada and is a valuable addition to farm crops. It is an erect branching biennial plant with woody stems growing the first season two to three feet high and developing a large root. The second year's growth usually reaches a height of four to seven feet. It bears seed the second season and then the plant dies, so it is easily controlled by cutting before the plant goes to seed, which will prevent any seed being self-sown. Sweet Clover grows in a variety of soils, in fact will thrive in any but an acid soil and is a splendid crop for plowing under, as it supplies so much humus and nitrogen to the soil. Sow 15 to 20 pounds per acre. **Lb. 25 cts., 10 lbs or over 20 cts. per lb.**

HUBAM ANNUAL SWEET CLOVER. When first compared with other Clovers, Hubam made as much growth in four months as the biennial did in fifteen months. It grew 4½ feet high while Red Clover was growing 14 inches. It is the quickest growing Clover that any one can grow. It makes as much growth in four months as any of the other Clovers under cultivation will make in a year. It will produce pasture in a little over 30 days and a hay crop in three months. See page 11. **Lb. 35 cts., 10 lbs. or over 30 cts. per lb.**



Hungarian Millet



Crimson Clover



MILLETS

The varieties of Millet are among the oldest of cultivated grains. A large part of the world's inhabitants subsist upon the different Millets, especially in Africa, Turkey, Persia, India and Japan. However, in our country we are chiefly interested in the use of Millet as a stock food.

Millets are especially adapted to regions of light rainfall and hot weather. They are used principally for forage, being very valuable where Timothy is an uncertain crop. The hay is fed most satisfactorily to dairy cows and sheep. In feeding value it ranks well above Timothy.

Hungarian Millet

An excellent food for horses when cured.

This is commonly known as "Hungarian Grass." Each root sends up several slender stems which often branch. The leaves grow upright, rather narrow. Heads are borne erect or nearly so, about four inches long, dark purple in color, bristly and very compact. The seeds are brownish black mixed with yellow. This variety withstands drought remarkably well. If its growth is checked by dry weather the least rain will restore its vigor. It flourishes in light, dry soils, but does best in good soils, well manured. This gives a very fine quality of hay on account of its slender, leafy growth. **Price, lb. 12 cts., 10 lbs. \$1.00, 100 lbs. \$8.50.**

Golden Millet

The stems are single or few in number from each root, they grow large and stout, unbranching. The leaves are rather short, broad and stiff, the heads are often an inch in diameter, and 6 to 8 inches long. The seeds are small, of a golden or yellow color. This will give a very heavy tonnage of first class feed. With thin seeding the stems become coarse and reed-like, therefore we recommend using a liberal quantity of seed. **Price, lb. 12 cts., 10 lbs. \$1.00, 100 lbs. \$9.00.**

Japanese Millet

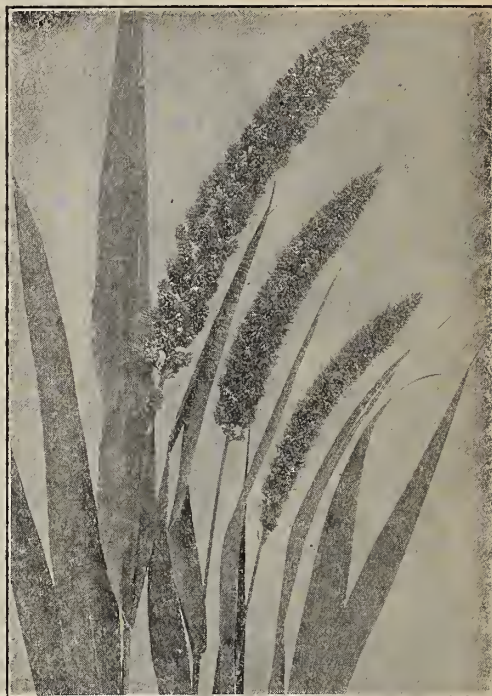
(*Panicum frumentacea*)

The seed from which so far as known, all of the Japanese Barnyard Millet now cultivated in the United States has descended, was brought to Amherst from Northern Japan by William P. Brooks, Director of the Massachusetts Agricultural Experiment Station, in 1889. Prof. Brooks, who had become impressed with the great value of the crop for forage, began distributing seed in small quantities to private farmers in various parts of the state. The success of the crop was immediate.

It is entirely distinct from all other millets. It grows from 6 to 9 feet high, stands up well and yields enormous crops. When cured it makes good hay and in quality is superior to corn fodder. It is relished by all kinds of stock and is rich in milk producing qualities.

Japanese Millet stools freely, it is very leafy and the heads are compact. It will thrive best on moist, rich soil, as it does not endure drought well. Like all coarse growing plants it needs abundant plant food and when given this on good soil the yield is immense.

The seed of Japanese Millet never has long awns and is a dark brown color while the Barnyard Grass is usually long awned and dark gray color, by which it is easily distinguished. **Lb. 12 cts., 10 lbs. \$1.00, 100 lbs. \$8.50.**



Japanese Millet

Sudan Grass

What Sudan Grass Is

It is the most prolific and dependable hay crop in the area of limited rainfall in the North and West. Introduced into the United States by Professor C. V. Piper, of the Department of Agriculture, in 1909, it has surpassed the fondest expectations and undoubtedly will replace the millets over a large area where the latter are hay producers at the present time.

If planted in drills, cultivate often and shallow. The roots grow near the surface, and deep cultivation after the plants get well started will cut off a large proportion of the roots and reduce the yield. The cultivation may be done with the ordinary corn cultivator. Keep the soil well worked until the plants cover the ground so that weeds will not grow.

Sudan, growing as it does, frequently as high as 9 feet, when planted in rows and cultivated, and 4 to 5 feet when sown broadcast, exceeds any other grass in yield. For a grass its yields are nothing short of miraculous, often reaching seven tons per acre, seldom running less than four tons.

In the Southern states three crops are becoming the rule, while in Minnesota, Dakota and the Northwest, only two cuttings are secured, or a total yield of about four tons. On irrigated land it should yield six to nine tons easily. As a catch crop Sudan is fully equal to Millet.

The quality of the hay is exceptionally high, chemical analysis showing it to be of equal value with Timothy and Johnson Grass. It is equal to Millets in feeding value and gives much heavier yield. The hay is nutritious, palatable and highly relished by stock. **Lb. 20 cts., 10 lbs. \$1.50, 100 lbs., \$12.00.**

"The Sudan Grass did fine, grew as high as 6 feet."—L. A. Lanahan, Can.



Sudan Grass grown by Mr. D. L. Brooks, Worcester, Mass.



EVERYBODY KNOWS ROSS' SEED GROWS ALFALFA



Facts About Alfalfa

Growing Alfalfa is dependent on the grower himself. It's an easy crop to grow if proper precautions are taken, but it's absolutely necessary to buy fresh new crop seed of the very best quality. It is necessary to have a good seed bed. It is necessary to inoculate the seed. It cannot be sown on sour or acid soil without liming. An Alfalfa stand can only be secured by careful attention to above.



Any of the above reasons will keep you from success. Alfalfa can be readily grown on nearly any farm. It is worth double to you any forage crop you have grown. Because some neighbor has failed is no reason you cannot succeed.

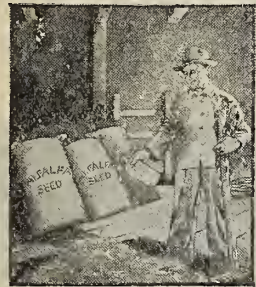
As a soil builder the Experiment Stations tell us that it adds twice as much nitrogen to the soil as the average acre of Red Clover.

Just bear in mind that the Alfalfa plant produces an enormous root growth, these roots penetrate the subsoil to a great depth, loosening the potash stored below, making it available as plant food in such a manner as is impossible to duplicate with a plow.

NORTHERN GROWN SEED. Very hardy. We guarantee this to be 99 per cent pure—and absolutely free from dodder and tree-foil. Price, lb. 35 cts., 25 lbs. or more 32 cts. per lb.

Grimm Alfalfa

GRIMM ALFALFA. So called from the fact that it was introduced in Minnesota by a Mr. Grimm from Europe, who called it Norwegian Alfalfa. This strain of Alfalfa has proven superior to all others, coming through our most severe winters without being injured, where the ordinary strains sometimes suffer severely. The most important feature connected with the introduction of the Grimm Alfalfa is its spreading root and crown. Its spreading root allows it to be grown on land which has a subsoil that is impossible for roots to penetrate; while its crown being broad allows closer cropping or cutting without injury. We are able to supply True Grimm Seed. Price, lb. 60 cts., 10 lbs. or more 53 cts. per lb.



Inoculate Your
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches
and
Other Legume Crops
WITH
Mulford Cultures
FOR LEGUMES

Small Cost Large Returns Easy to Use No Labor Expense



Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Mulford Cultures are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Legumes offer the best known means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your field of wheat, cotton, corn and other non-legume crops.

The U. S. Department of Agriculture and many State Agriculture Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase your yield.

Mulford Cultures are prepared for:

- | | | | |
|----------------|---------------|--------------|-------------|
| Alfalfa | Alsike Clover | Vetch | Lima Beans |
| Crimson Clover | Burr Clover | Velvet Beans | Lespedeza |
| Sweet Clover | Cow Peas | Garden Peas | Beggar Weed |
| Red Clover | Soy Beans | Garden Beans | and others |
| | Peanuts | | |

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

PRICES: 5-Acre Size (Dollar per Acre).....\$5.00
1-Acre Size 1.50
1/4-Acre Size75
Small Size (Supplied only in four varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas)..... .35
(These prices include delivery on freight shipments.)

FREE DESCRIPTIVE FOLDER SENT UPON REQUEST



Alfalfa plant on left not inoculated. Plant on right inoculated with Mulford Culture for Alfalfa. All other conditions identical. This contrast speaks for itself.



SELECTED SEED OATS

Sow 3 Bushels Per Acre. Price Includes Bags
All Prices Subject to Market Changes

Reasons why you should sow Our Selected Seed Oats:

1. Maximum yield per acre.
2. Highest Standard of Quality.
3. Hardy and disease-resisting constitutions.

It costs almost as much to raise a poor crop as it does a good one. If you get only the ordinary yield you get very little for your time and labor. It is the extra 10, 15 or 20 bushels per acre that makes the profit. If your oats are light, have small kernels and are affected with smut DON'T SOW THEM. Get some that are better and will yield a profit. Oats should be sown in April and early May to secure best results, and a good heavy seed should be used. Good seed oats weigh from 36 to 46 pounds per measured bushel and a lighter oat is not fit for seeding purposes. You cannot afford to buy common feeding oats for seed, the extra cost per acre for good clean oats free from all dirt and weed seed is very small when you consider the increase in yield.

Ross' "Swedish Select" Oats

Extra Heavy Re-cleaned Seed

Introduced a few years ago by the U. S. Department of Agriculture and today the most largely planted of all varieties in the Northern Central States. Briefly described the oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land. Pk. 45 cts., bu. (32 lbs.) \$1.65, 10 bu. or more \$1.60 per bu.

Silver Mine

The Popular Main Crop Variety

Standard for main crop in many sections. Has established a reputation of yielding immense crops of 100 bushels per acre in favorable years. Grain is large, plump and heavy with a reasonable thin hull. Quite hardy, vigorous, stands well and shows little tendency to rust or lodge unless soil is extra rich. Has splendid record in comparative tests. Will bring top price in market. Pk. 45 cts., bu. (32 lbs.) \$1.65, 10 bu. or more \$1.60 per bu.

Wisconsin.

Dear Sirs:

I have been using your Eureka Ensilage Corn for the last five years and I have been very much pleased with the results. It makes splendid silage. I had the best crop two years ago, when its growing season escaped the dry spell. On the whole, its hardy qualities withstand the drought very well.

Yours truly,

EMILE GAETZKE.



Swedish Select Oats

Buckwheat

For grain, 1 bushel to the acre; for soiling, 1½ bushels. 48 lbs. to the bushel.

JAPANESE. This is entirely distinct from all other varieties. It has the advantage of remaining some time in bloom and produces seed earlier. On this account it can be grown farther north. It resists drought and blight better than most varieties. The seed is larger than the Silver Hull and is a rich brown color. Pk. 75 cts., bu \$2.60.

Peas, Canada Field

Oats and Canada field peas make the best green crop to follow clover. Generally it is advisable to make three sowings; the first as early as possible in the spring, April 20 to 25, and the second and third fifteen and thirty days later. One and one-half bushels each of the oats and peas is the usual quantity to the acre.

The first sowing will be ready about June 25 and cutting should begin as soon as the oats show the head. The average yield from the first sowing is 10 tons to the acre. The yield from the second and third sowings is not likely to be as heavy, as the crop matures quickly during the warm weather. Oats and peas will remain in condition to be cut for 10 or 12 days.

CANADA PEAS may also be sown with other grains as well as with oats, and are sometimes sown in August with Barley. They are also sometimes sown alone. Choice stock for seed. Lb. 12 cts., 25 lbs. or over 9 cts. per lb.



Canada Field Peas

EVERYBODY KNOWS ROSS' SEED GROWS



A field of Dwarf Essex Rape

BARLEY

For grain, 2 bushels to the acre; for forage, 3 bushels.
48 lbs. to the bushel.

BEARDLESS. Earlier than any of the bearded varieties and is generally considered more hardy. The straw is heavy and stands up well under a large crop. Very popular for forage and especially valuable for hay as the heads are entirely free from beards which when dry are thought to often be injurious to cattle. The grain, while it germinates well, is always light in weight and of rather inferior appearance and, though a productive variety the chief value of the Beardless is for forage or hay. **Pk. 80 cts., bu. \$3.00.**

CHEVALIER. A two-rowed variety. Head is a little longer than the six-rowed varieties and the grain is larger, plump, extra-heavy and in favorable seasons nearly white. On account of its attractive appearance and fine quality the grain brings the highest price, while the variety is extensively grown for green forage. **Pk. 75 cts., bu. \$2.75.**

MANSURY. In our section this six-rowed variety is largely grown for forage. It yields abundantly. It is early and very vigorous in growth. The straw is strong and stiff and seldom lodges. The heads are long and well filled. No other Barley excels it for feeding or malting purposes. **Pk. 75 cts., bu. \$2.75.**

WHITE HULLLESS. About two weeks earlier than the common type. The grain closely resembles wheat, is about as heavy and is said to be nearly equal to it in feeding value. It has neither hulls nor beards. It is very productive, yielding better on poor soils than other varieties, and gives enormous crops on good land, greatly outyielding wheat under equal conditions. The straw is heavy, with good leaves and makes excellent forage. The grain is not as liable to shell out in the field as that of other varieties. Owing to its great production and high feeding value this variety is especially valuable in the Northern states where corn will not mature. Choice Northern grown seed. **Pk. 80 cts., bu. \$3.00.**

Massachusetts.

Gentlemen:

I was well pleased with the crop of Eureka corn produced from your seed and shall want more this year.
Yours truly,

E. H. BOUTELLE.

Dear Sirs:

Dec. 22, 1924.
Please set aside 30 bu. Genuine Eureka Seed Corn. The year just closing was a particularly poor corn year but on farms where Eureka was grown the silos are all well filled.

Please advise at your convenience.

Yours truly,

GEO. HARKNESS.

Dwarf Essex Rape

It is an annual bearing a close resemblance in leaf and stalk to the Rutabaga, but both leaves and stalks are more numerous in the Rape plant which may be eaten off by any kind of live stock, but it is pre-eminently fitted to furnish pasture for sheep, cattle and swine.

It should be from eight to twelve inches high when stock is first turned in and it ought to make growth enough to support at least ten sheep per acre during the growing period of the Rape crop. Rape makes a second growth from the standing roots when the livestock is removed, and may be repastured later. Successive sowings, made three of four weeks apart until July 1, will give a very satisfactory feeding crop throughout the entire Summer.

Culture. Rape is best adapted to moist, rich soil in which there is plenty of humus. Slough lands are especially good. It grows best in cool, moist weather and the time for sowing depends upon when the crop is to be used. When wanted for pasture, allow 8 to 10 weeks for it to attain maximum growth. Sow 1 to 2 pounds of seed per acre in drills and cultivate, for a weed-cleaning crop. For broad-casting, use 5 pounds per acre on rich, weed-free soil, so that the Rape will not be choked by weeds.

For continued hog pasture, sow Rape early and at successive intervals. It may well follow any grain crop and is always splendid to plow under for green manure. **Lb. 12 cts., 100 lbs. \$10.00.**

Cow Peas

Mulford Culture for Cow Peas, See Page 7

In drills 1 bu. to acre. Broadcast, 2 bu. 60 lbs. to bu.

Cow Peas produce enormous bulk and for this reason the plant is a favorite with some as a forage plant and also as a humus maker when plowed into the soil. It is, of course, like all the legumes, a soil enricher as well. The Cow Peas will grow on all kinds of soils from stiff clay to sand, barren uplands, and used either as green fodder, hay or as silage, the product is of high feeding value. While for plowing under on stiff clay soils the growth should be turned under while green, it is generally considered that on light sandy land the vines should be allowed to partially decay on the surface before they are plowed into the soil. All crops seem to do well after Cow Peas.

NEW ERA. An old stand-by which makes splendid hay. Matures in 60 to 75 days and does splendidly as far north as Minnesota. Vines are smaller than other varieties and are more easily cured. **Pk. \$1.10, bu. \$4.00.**

WHIP-POOR-WILL. A medium-early variety, very desirable for a forage crop and for rebuilding worn out land. A very prolific yielder and the most commonly used variety for planting broadcast. **Pk. \$1.10, bu. \$4.00.**

COW PEAS. As soil renovators and enrichers, have few equals; like other leguminous plants, besides yielding a beautiful crop, they increase the fertility of the soil by collecting nitrogen from the air and adding this expensive fertilizer to the land at a minimum of cost.



Rye

For grain, 1 bu. to the acre, for forage or soiling 1½ bu.
56 lbs. to the bu.

Spring Rye

True Stock, Spring Rye makes an excellent crop where winter grain has been killed out, or for sowing where a fall crop has not been planted. If desired it can be turned under and made to answer a good purpose in adding to the fertility of the soil. Sow seed same time as other spring grain. Does not grow quite so large straw as Winter Rye, but usually yields well and grain is of fine quality.

We wish to emphasize the fact that we sell the genuine Spring Rye, sown in the Spring and harvested the same season. **Pk. 90 cts., bu. \$3.25.**

Rosen Winter Rye

To Prof. Spragg, of Michigan Agricultural College, is due the credit for developing this most remarkable grain, which we believe is destined to add many thousands of dollars annually to the value of farm crops in the United States.

A Russian student of the Michigan Agricultural College brought with him from Russia a handful of rye which he gave to Prof. Spragg, who planted it, and from the crop selected a single plant which showed exceptional characteristics. The grain from the plant was saved and planted the next season and from this crop he again selected plants of the most promising type, repeating this process from year to year until he had sufficient seed to parcel out among a few expert farmers in different sections, at the same time continuing it as a crop at the State Experimental Farm in Michigan, where for three years the average yield has been 41.3 bushels per acre, of an exceptionally high quality of grain.

The development of Rosen Rye has been of such a character and the present supply has been so carefully handled, that it is safe to say it is the purest pedigree seed in existence, as the growers have taken particular pains to prevent cross fertilization and mixing with other grains.

Rosen Rye produces a strong vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and of a beautiful color, commanding a premium on the market over other grains. Owing to its vigorous stooling property less seed is required, the practice being about one and one-half bushels per acre. We believe that Rosen Rye is cheaper to sow even at double the price of common rye, for the excess yield will more than pay for the seed, not to mention the better quality and higher price to be obtained for the crop. Market price.



Rosen Winter Rye

All prices in this catalogue are based on the lowest market prices at the time catalogue goes to press but they are subject to market changes. This applies to both advance and decline.

Soy or Sojo Beans

Mulford Culture for Soy Beans, See Page 7

½ to ¾ bushel to the acre in drills 2½ to 3 feet apart

This is another valuable legume, growing in favor for forage and ensilage, often succeeding well on land too light for clover. While it has not been so generally grown in this country as the Cow Pea, it is considered by some preferable for the North, as it does not require so long a season.

BLACK WILSON. Medium size, black seed. Considered the best all-around variety for the North. Of rather upright growth, with a good amount of foliage and a slight tendency to vine on fertile soil. Matures seeds in 125 days and is ready for cutting in 110 days. A heavy seed producer. **Pk. \$1.65, bu. \$6.00.**

ITO SAN. Ito San Soy should ripen anywhere in the North—it is Northern Grown seed. Northern Grown Seed sown in the south produces larger yields, stronger vines, higher nutritive value. Matures in 90 days, grows 2½ to 3 feet high. Immensely productive. **Pk. \$1.35, bu. \$5.00.**

MEDIUM EARLY YELLOW. The largest growing and most popular Soja Bean for forage purposes, although a little later in maturing than the other varieties. **Pk. \$1.25, bu. \$4.75.**

Mammoth Russian Sunflower

For the Silo

We believe every farmer, stockman and dairyman who must grow feed crops should plant a small area with sunflower. Start now to become familiar with this crop, which is destined to be a prominent feed in economical stock feeding.

Sunflower experiments have demonstrated it to be peculiarly suited to dry seasons, and producing immense tonnage even under unfavorable conditions. In feeding value, sunflower cut in bloom is fully equal to corn cut green for silage. Cattle, sheep, swine and horses find it very palatable. Sunflower silage will keep for several years. Best results are secured by planting in rows 30 to 36 inches apart, drilled four to six inches apart, in the rows. Sunflower can safely be planted at corn planting time, or a trifle earlier, using an ordinary grain drill. When planted in 36-inch rows, 4 or 5 inches apart in the row, it requires 10 pounds of seed.

Harvest similar to corn. A corn harvester can successfully be used. Best time to cut is when from fifty to eighty per cent in bloom. The great value in sunflower for ensilage lies in its ability to produce big crops in dry hot weather and the small acreage necessary to produce large tonnage any season.

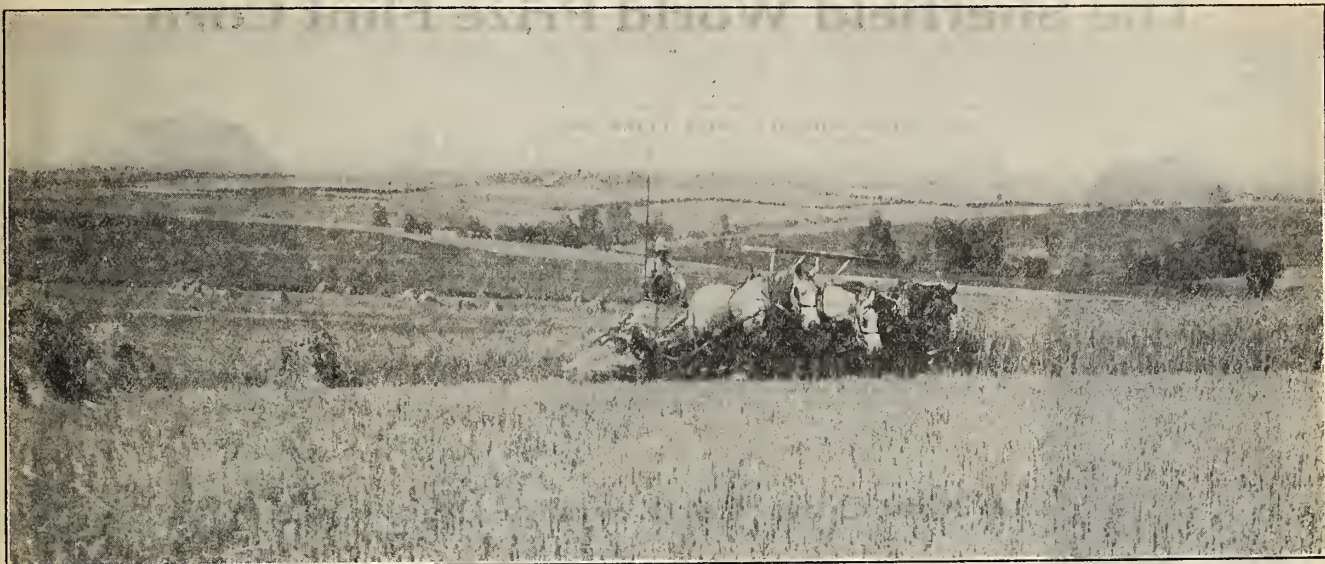
Particularly suited to the high altitudes, as it seems to grow right along during cool weather when corn growth seems to have stopped. Withstands wind better than corn. **Lb. 20 cts., 100 lbs. \$15.00.**



Mammoth Russian Sunflower



EVERYBODY KNOWS ROSS' SEED GROWS



Wheat

1½ bu. to the acre, 60 lbs. to the bu.

MARQUIS SPRING WHEAT was originated by Chas. and William Saunders of Ottawa, Canada, by crossing Red Fife and Hard Calcutta, a native Wheat of India which had become acclimated to northern conditions. The first experiments were conducted in 1886 and it was not until 1903 that it was fully developed. By scientific cross breeding, a variety was produced that inherited the remarkable earliness of the Calcutta, and the frost-resistant and yielding qualities of the Red Fife. The original stock of seed was very small, but by careful husbandry the amount was gradually increased so that it might be disseminated throughout America. It has outyielded all other Spring Wheats grown under the same conditions of soil and climate, the increased yield being up to 10 bushels per acre. Marquis Wheat is flinty and dark in color, being almost dark red. It is a beardless variety having a smooth yellow chaff. **Price, pk. \$1.00, bu. \$3.75.**

WINTER WHEAT. The yield of Winter Wheat per acre is on the average very much larger than any of the spring wheats. It should be sown early in the fall to secure a good firm root to survive our New England winters. Winter Wheat makes an excellent green feed, coming very early in the spring and staying in condition for feed much longer than Spring or Winter Rye.

RED WAVE (Beardless). Considered the best and most productive variety in cultivation. Heads very long and broad, filled with medium long, large, hard, dark kernels. Straw, golden, medium height, stocky and strong. **Bu. (60 lbs.) Market Price.**

WINTER KLONDIKE. A remarkably productive bald white variety, large and plump. Excellent for green feed. **Bu. (60 lbs.) Market Price.**

Vetches

One bushel to the acre; with oats or rye, ½ bu., 60 lbs. to bushel

Use Mulford Culture for Vetch, See Page 7

SPRING VETCH, or SPRING TARE. This, like Field Peas, is used for both green fodder and for plowing into the soil. In this latitude it can be sown only in the spring and is more largely used in this season than the Hairy Vetch, which may be sown either in the spring or fall. Thiving on rather poorer soil than Canada Peas, its use is rapidly increasing as a green fodder. **Lb. 12 cts., 10 lbs. or over 10 cts. per lb.**

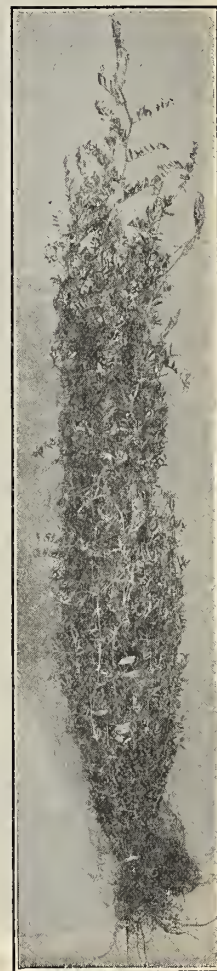
WINTER SAND, or HAIRY VETCH (Vicia villosa). While this will be of much larger growth on good soil and should be grown on such soil when the crop is designed for green fodder or hay, it thrives remarkably well on light, poor soil. Though it produces on good land an enormous crop and whether used green or as hay is more nutritious than Clover and readily eaten by all kinds of stock and is therefore a profitable crop to grow for feeding, it is perhaps of greater value for other purposes. No other legume surpasses it as a nitrogen gatherer and no other equals it as a cover crop. It is perfectly hardy, remaining green all winter and is therefore much superior to Crimson Clover in the Northern States as a cover crop. It also produces a much larger bulk than the Crimson Clover and is therefore superior to it as a humus maker. In this respect as well as a cover crop it is fully equal to Winter Rye and is superior otherwise as, in common with other legumes, it adds nitrogen to the soil. Though rather slow in starting in the spring, when once started it grows rapidly and will generally by May 1st have made a growth of 18 inches or more. As the stems are rather weak, it is generally sown with grain, which serves as a support. Seed is usually sown in August or September, at which time either Rye or Wheat may be sown with it. If sown in the Spring, Oats are generally sown with it, but sometimes Barley is used. When sown at this time the crop is generally used for feeding. **Lb. 20 cts., 10 lbs. or over 18 cts. per lb.**

HUBAM—Annual Sweet Clover

Something that does in one year what it took two to do before

Farmers everywhere are paying unusual attention to Huban, the Annual White Blossom Sweet Clover discovered by Prof. Hughes of the Iowa Agricultural College. Though new, it is not an untried crop, as it has been grown successfully in every state in the Union, in nearly every province in Canada, in Europe, and in England. There are in fact very few crops of any description that can be grown over as great an area successfully. Under ordinary conditions Huban will make a satisfactory yield on any type of soil of average fertility that is not sour.

On account of its rapid and luxuriant growth, it excels other crops in producing a large volume of organic matter to be turned under. It will no doubt revolutionize farming in some sections by bringing back fertility to worn out farms in a few years, where many years are required ordinarily. **Lb. 35 cts., 10 lbs. or over 30 cts. per lb.**



Winter Vetch



The Sheffield World Prize Flint Corn

Good seed corn for planting in 1925 is a serious problem. Many of the crops grown for seed will be used for grain. Due to conditions during the growing and harvesting periods, thousands of bushels of corn grown for seed will not germinate satisfactorily for that purpose. The seed corn which we offer this year will be corn of known germination and while our supplies will be limited, we shall use for seed only such stocks as will germinate satisfactorily.

SHEFFIELD WORLD'S PRIZE FLINT CORN, which we introduced in 1911, is an early eight-row variety which has been grown in Vermont since 1867. The seed was brought to Sheffield, Mass., and has been grown in that town ever since. The ear of this corn has a very compact form, usually well capped at the tip, similar to the Improved Canada. The average length of the ear is 8 to 10 1/2 inches; the kernels are very broad and of dark color. This corn exceeds in proportion of corn to cob any other variety.

Sheffield Corn is a safe variety to plant where early frosts are expected or in states where the season is generally short. While it may be possible under favorable conditions and high fertilization to produce more bushels of corn of some of the longer varieties, in our opinion the Sheffield is the safest and surest kind to plant for a general crop.

Owing to the fact that Sheffield Corn will mature in a short season and also give a minimum quantity of forage, it is being used quite generally for silage in the states of New Hampshire and Vermont. 1/2 pk., 80 cts.; pk., \$1.40; bu., \$5.00.

"Some months ago you shipped me a few bushels of Sheffield Prize Flinty Corn and I find that it ripens nearly ten days earlier than a strain that some of the farmers obtained through the Farmers' Exchange, which is a good selling point with me. Can you furnish me with this same strain next season and can you give me an idea as to price?"
 Yours truly,
 W. E. Jones."

A New Corn "Early Smoky Dent"

This new variety of Dent Corn we believe to be the heaviest yielder of any extreme early variety of corn yet introduced.

It is a very hardy grower and prolific yielder for so early a corn. This corn has nice leafy stalks, averaging 8 feet in height, which very often yield two nice ears, measuring 8 to 10 inches in length, well filled with a good sound kernel of a dark red shade, tipped with pure white, making it a very handsome corn in appearance.

It has matured in 75 days from date of planting and yields on an average of 100 bushels good sound corn per acre. This corn can be grown with success anywhere that Early Canada Flint Corn matures, as it is some ten days earlier than Early Canada.

It has been grown for the past five years and we cannot recommend it too strongly, as it has surpassed any Early Dent variety known to us as to early maturity, size, quality and yield. We strongly endorse it for use in the northern climate, where a good early growing variety if corn is wanted.

It is the earliest Dent Corn in cultivation, is a good yielder and entirely free from disease. It is the most beautiful colored-up corn in cultivation and has been named Early Smoky Dent because of its color. It grows strong, quick, and has splendid seven to eight foot fodder. It will mature in Canada, New York State, Vermont, Maine, Massachusetts, or any state where Early Canada Flint Corn will.

We are confident that this new Dent Corn will fill many corn cribs here in New England, where it has been almost impossible to mature a Dent Corn except in an unusual season. 1/2 pk., 70 cts.; pk., \$1.20; bu., \$4.50.

Read a few of the many letters we have received from our customers who have planted Early Smoky Dent Corn.

Dear Sirs:—I planted your Early Smoky Dent Corn May 18th on land too wet for quick ripening and harvested good ripe corn from it in season to win two first premiums at the New England Fair. I think it is one of the earliest ripening corns I ever raised and a great yielder.
 Elliott Moore, Mass.

Dear Sirs:—Regarding the results obtained from the Smoky Dent Corn, I am pleased to say that it gave a very good yield for this year, considering the unfavorable weather in the early part of the season, with its very cold nights. With only ordinary care it husked a little over one hundred bushels per acre. Under favorable conditions I am sure it will do a great deal better. Is sure a great corn for our short season.
 Yours truly,
 Chas. Silleman, N. Y.

Ross Bros. Co.:—Concerning the Early Smoky Dent Corn, I did not keep any record of dates or yield per acre. I snapped off the best ears and put the rest into silage. I liked it so well I have saved the best ears for seed next year.

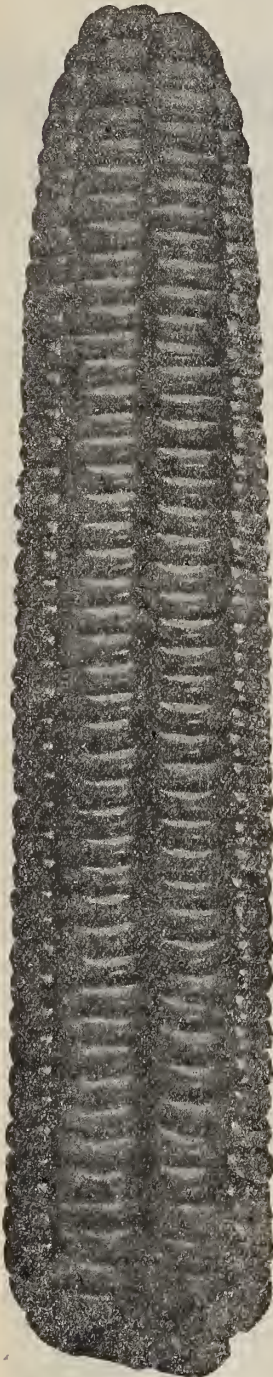
I picked out the best ten ears and took first prize at the East Haven Fair, as your books will show it was planted late and we had a wet, cool season, but it did well under all those conditions.
 Respectfully,
 H. Wilson Cary, Conn.

Dear Sirs:—The Eureka seed corn makes splendid growth in this district. The earliest corn that I planted averaged about 15 feet high and the late about 12 feet.

I was well pleased with the seed and expect to plant twice as much this year. Most of the stalks were as large as a man's wrist. I have an ensilage cutter and filled silos here for my neighbors and I had the best corn by far that I cut. I am going to plant the corn thicker this year so the stalks won't be so large.
 Yours truly,
 Stanley S. Cralg, Vermont.

Dear Sirs.—We have had very good crops of Eureka corn from seed supplied by you, in fact, it was so tall and heavy that one of our neighbors suggested that you send up two men with each bushel of seed to help handle the crop.

Kindly send us prices for this year as soon as possible.
 Yours truly,
 Morris Hall, Ontario, Canada.



Sheffield Price Flint
 About 3/4 Size

EVERYBODY KNOWS ROSS' SEED GROWS



Harvesting Eureka Corn in Durham, Connecticut

ROSS' EUREKA ENSILAGE CORN

Ross' Eureka Ensilage Corn is a very tall and leafy variety of Southern corn, the result of years of careful selection.

This corn was originated in Virginia thirty-nine years ago, and has been grown there for us ever since. It is the result of careful selection for many years. It has been grown entirely away from other kinds, and while several seed dealers have offered corn under the name of Eureka, at harvest time it has shown that it was an entirely different variety.

The Eureka not only grows the tallest and is the most leafy but is as well very productive of ears. In its home in the South it is one of the greatest grain-producing varieties, yielding often 100 bushels of shelled corn to the acre and sometimes considerably more.

We never have, nor do we now claim that the Eureka will in this latitude reach the stage of maturity of some of the smaller-growing and less productive varieties. Its value for ensilage is due to its enormous growth and great production of leaves and ears rather than to its ability, considered by some so desirable or necessary, to produce a matured grain crop.

If it is considered that for the silo some variety is necessary that will produce ears nearly ripe, and the much smaller amount of foliage is a secondary matter, then evidently some of the other varieties which we offer would be of more value than the Eureka. While Eureka corn will not mature the ears in any of the northern states where frosts are expected early in September, we have seen ears far enough advanced so that it will no doubt germinate grown right here in the State of Massachusetts. If ears are wanted they can be had on Eureka; by planting it thin and where frosts hold off until the first of October you will have plenty of ears and more leaf than you will get from any other variety of corn grown. But if the main purpose of the silo is to preserve in as nearly a natural condition as possible the largest possible amount of fresh green foliage and large fresh green ears which can be grown on the smallest possible area, then the Eureka is better—in our opinion it's the best in cultivation. And this is in accord with the opinions of hundreds of practical farmers who, having tried it to their satisfaction, now plant nothing but the Eureka.

Don't buy a bushel of "Eureka Corn" unless it has our trade-mark printed on the bag. There is nothing just as good, and you take a chance of losing as many dollars as you save cents.

To get the greatest yield, we recommend planting from $\frac{1}{2}$ to $\frac{3}{4}$ bushels of Eureka Corn per acre in drills 3 feet apart and suggest cultivation as long as it is possible to get through the corn. With the quick start which Eureka Corn will make, it is almost always possible to cultivate entirely with horse or tractor. Price, bags included, $\frac{1}{2}$ pk. 90 cts., pk. \$1.65, bu. (56 lbs.) \$6.00, 10 bu. or over \$5.75 per bu. in our trade-marked bags.

The production of Eureka Corn for seed in 1924 has been a very difficult problem.

There is only a small area in Virginia which will produce this late variety for seed and spring floods prevented the planting of over one-half the usual acreage. This small acreage was very slow in maturing because of excessive cold weather and on October 1st that particular section experienced the most disastrous flood for fifty years. Fortunately some of our Eureka was planted on higher ground and will give us a limited amount of seed. We expect only one-half the usual supply and would advise early ordering to avoid disappointment.



This illustration shows the shape and type of corn that you get when you buy the genuine Eureka. If anyone should ship you corn with a long, slim kernel, send it back, for it is not Eureka.



Flint and Dent Corn for the Crib and Silo Early Canada Flint

Improved strain. This strain is in most respects identical with the original, but the ears are longer and stalks are of slightly larger growth. Ears of the original are about six inches in length while of this strain they are about two inches longer, and of similar or nearly identical strains known as Early Greenfield, Deerfield and Connecticut Valley, ears are often nine inches or longer. While in the hands of different growers the type has been largely maintained, the tendency to select larger ears has been followed by an increased growth or size of stalks making such strains later in maturing. We prefer and endeavor to procure a strain of which the ears are about eight inches long with as small stalks as possible because earlier and more distinct from other varieties, and also more desirable for light soils of only average fertility and for late planting. On stronger and richer soils there are other varieties which would probably be preferable, though because of its earliness, the more nearly certain maturity in unfavorable seasons, its great production of ears and more easily handled dry fodder it is preferred by some for planting on their best and richest land. Price, ½ pk. 75 cts., pk. \$1.25, bu. (56 lbs.) \$4.50.

Longfellow Flint

This, for a long time, has been very popular in southern New England. Ears are eight-rowed and of remarkable length—12 to 14 inches, with occasionally one 15 inches. Stalks are considerably taller than the Improved Canada, but not so large but that they make excellent and easily handled dry stover. When well-grown, owing to the long ear and occasional twin ears, the Longfellow is a very productive variety. Though two ears to the stalk are, of course, desirable, we prefer to give more attention to securing a well-formed and well-ripened ear of typical length rather than to select for breeding stock from stalks bearing two ears if at the sacrifice of any of the above mentioned qualities. The Longfellow is safe for planting in the latitude of Massachusetts, and favorable seasons has yielded large crops farther north. Price, ½ pk. 75 cts., pk. \$1.25, bu. (56 lbs.) \$4.50.

Sanford White Flint

We offer this season an exceptionally fine lot of White Flint, well grown and carefully selected for seed.

It is an eight-rowed white flint variety, the popular type in Rhode Island, being cultivated there almost to the exclusion of the yellow flint. The ear of the strain which is more generally grown there and which we offer as the Rhode Island strain, is of about the same size as the Improved Canada, resembles it very closely, except in color, having the same broad kernel and well-filled tip, and ripens with or very close to it. The variety is rather more leafy than other flint varieties, which is doubtless the reason for its popularity for ensilage in the northern part of New England. The strain, however, which is more largely grown for ensilage, is seed which is grown in the West, and distinctly different. The stalks grow much taller and are more leafy and the ear is much longer and later in maturing. While there are three distinct types of White Flint Corn grown in Rhode Island, we know that the strain which we offer is the most productive, yielding more bushels of corn per acre and also shelling more pounds of corn per bushel. Price, ½ pk. 75 cts., pk. \$1.25, bu. (56 lbs.) \$4.50.

Golden Nugget Flint

This is one of the most prolific varieties of flint corn. The ears will average about 10 inches in length and are well filled with 8 rows of exceptionally large, broad kernels of a light golden yellow color. These kernels are about twice as large as other flint corns.

The stalks grow from 7 to 8 feet high; are well covered with leaves and often produce 2 large ears each. It matures in eighty-five to ninety days, making it a safe variety to plant except in the very northern latitude. Golden Nugget produces a large amount of fodder and it is of excellent quality. Price, ½ pk. 80 cts., pk. \$1.40, bu. \$5.00.

Luce's Favorite

This is a large, late, semi-dent corn; 8 to 10 rowed ears, 10 to 14 inches long. The fodder is large and abundant, and is used for ensilage purposes in large quantities in New York State. This variety is a much heavier yielder and better for ensilage than Longfellow Yellow Flint or any other flint varieties. We can supply true stock of this variety. Price, ½ pk. 75 cts., pk. \$1.25, bu. \$4.50.

Minnesota No. 13

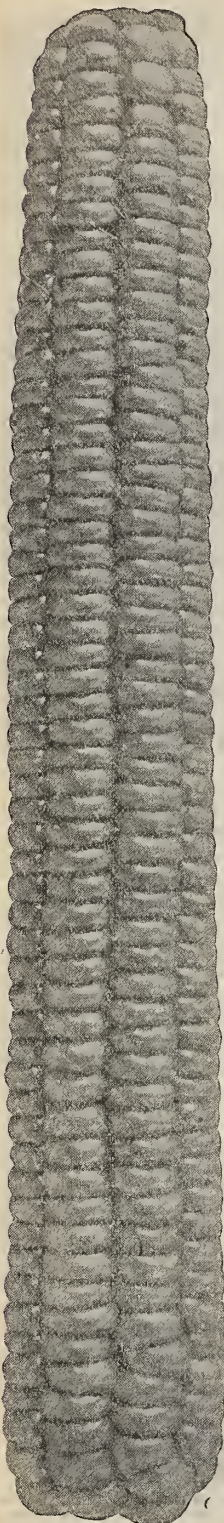
This dent corn has been a surprise to its users on account of its extreme earliness. The ears are not as large as some other varieties, but its large production of ears makes it a heavier yielder than most others.

The ears are of handsome appearance, bearing 16 to 20 rows of bright, rich yellow, smooth wedge-shaped kernels packed closely on the cob from butt to tip. The ears average eight inches in length and are borne usually two on a stalk. No corn excels in quality the Minnesota No. 13; the cobs are well filled and the individual kernels, plump and of good color.

Minnesota No. 13 thoroughly matures in ninety days when planted on favorable soil and in a good location, but ninety-five to one hundred days places it out of danger under average condition. It may be planted as late as the second week in June and yet safely mature a crop. Price, pk. \$1.20, bu. \$4.25, 10 bu. or over \$4.00 per bu.



Sanford White Flint



Longfellow

Dent Corn—Continued

All Prices on Corn Include Bags

All prices in this catalogue are subject to change without notice.

Improved Leaming

The Leaming corn was originated in Ohio in 1826 by Mr. J. S. Leaming. This corn was taken to Illinois by the late Hon. E. E. Chester of Champaign County, Illinois, over fifty years ago and since then many strains and varieties have been started from this, one of the oldest known varieties of dent corn.

The True Improved Leaming which we offer is a pure, fixed, and distinct variety, having been bred for earliness of maturity, size, shape and color, also for the amount of grain that each ear will produce, and in doing this the fact is brought out that the True Leaming is second to none (save our Eureka) in the amount of silage that can be grown per acre.

While Leaming Corn is not grown extensively in our New England States to maturity, it is perhaps grown for silage to a greater extent than any other dent variety except our Eureka. It ranks as one of the early dent corns, has a very heavy stalk growing twelve or thirteen feet high and very leafy. The ears are eight to ten inches long, filled with medium sized but deep kernels which when dry perhaps approach more closely in hardness the flint type than any other dent corn. Price, pk. \$1.20, bu. (56 lbs.) \$4.25, 10 bu. or over \$4.00 per bu.

West Branch Sweepstakes

This corn originated on the Susquehanna River bottoms of Lycoming County, Pennsylvania.

It is a big corn. The stalks are very large 1½ to 2 inches in diameter, and grows 12 to 15 feet high. The foliage is long, broad and heavy, starting well down to the ground with an abundance of silage per acre. The ears are large, averaging 12 inches long and 10 inches in circumference, containing 14 to 20 rows of red and golden grains, white capped with a decided reddish cast.

This seed produces in 90 to 100 days farther North, a corn in the glazed state which most dairymen concede to be the ideal stage for good silage, a silage of big feeding value that helps keep up the winter flow of milk.

West Branch Sweepstakes purchased from us is the genuine true stock grown in Lycoming County, Pennsylvania, by the biggest growers and shippers of this variety in Pennsylvania. Crop failed.

White Cap Yellow Dent

Nearly as early as the Pride of the North with larger ears. The introducer says he will guarantee this corn to mature in ninety to ninety-five days from planting and to produce a larger crop on poor soil than any other variety. Stalks eight to nine foot high, with an abundance of foliage. Ears about eight inches long, sixteen or eighteen rowed, and well filled with deep kernels, the outside ends white, the balance light yellow, which gave it the name "White Cap." The early and great production of ears and abundant foliage should make this a popular variety with those who desire ears well advanced toward maturity at the season for cutting for the silo. Price, pk. \$1.20, bu. \$4.25.

King of the Earliest

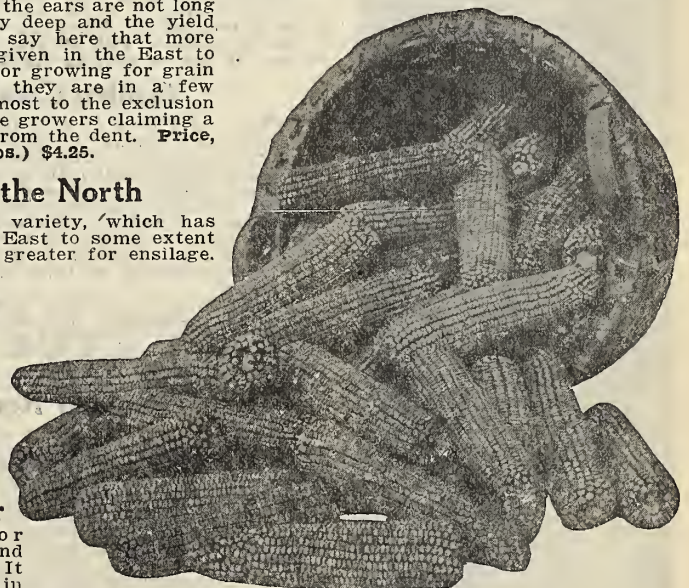
This dent variety, a selection from the Pride of the North, made by the originator of that variety, is from ten days to two weeks earlier, which we think makes it safe for planting in this latitude for the purpose of maturing grain. The cob is small and although the ears are not long the kernels are very deep and the yield is large. We may say here that more attention is being given in the East to the dent varieties for growing for grain than formerly and they are in a few localities grown almost to the exclusion of the flint type, the growers claiming a much larger yield from the dent. Price, pk. \$1.20, bu. (56 lbs.) \$4.25.

Pride of the North

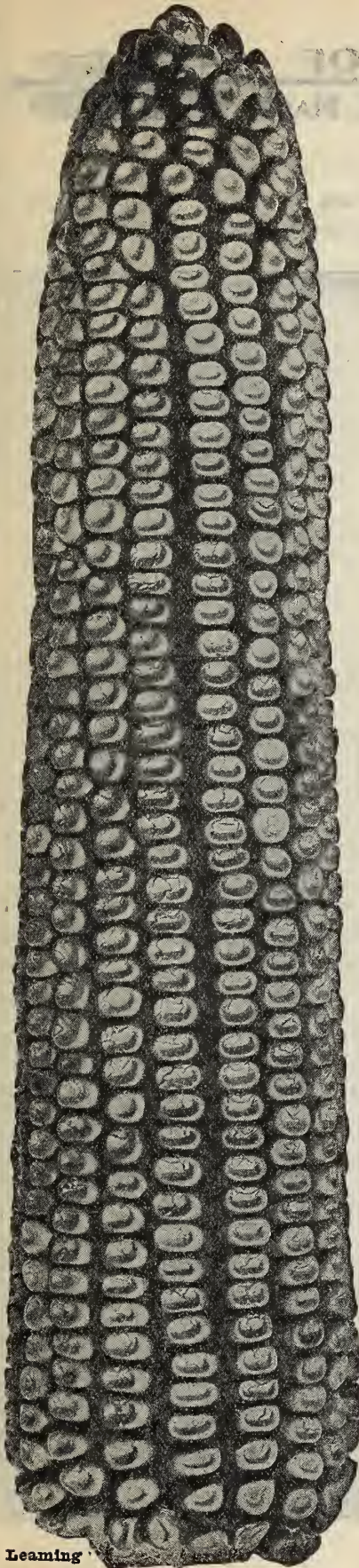
An early dent variety, which has been grown in the East to some extent for grain and to a greater for ensilage. Although not of as rank growth as other varieties of this type, it is on account of its early production of ears popular with some for the latter purpose, especially with those having cold clayey soil. Pk. \$1.20, bu. (56 lbs.) \$4.25.

Sweet Fodder

Unexcelled for cutting green and feeding to stock. It should be included in all soiling schedules. Pk. \$1.10, bu. \$4.00.



King of the Earliest



Leaming



Sweet Corn

1 lb. will plant about 100 hills, 10 to 12 lbs. to the acre

We pay postage on one pound or less; for larger quantities by parcel post, remit postage. See inside front cover.

Sweet Corn should not be planted until ground is warm, and can not usually be safely planted in this latitude much before the middle of May. The small, early varieties may be planted in the garden as close as 2½ by 2 feet, but in the field, are generally planted 3 by 3 or 2½ feet. In the small garden, however, a more economical use of space can be made and the product secured a little earlier by making rows several feet apart, planting in the intervening space any early, low-growing crop like radish, spinach, or lettuce, and following this with a second crop of cucumbers for pickles, winter squash, celery or turnips, the corn ripening in time for removal of the stalks before they greatly interfere with the growth of the second crop. The later and larger varieties require more room. Corn thrives best on warm, rich soil and succeeds only when given frequent but shallow cultivation. But three stalks should be allowed to grow to a hill.

To have the finest Sweet Corn it must be picked in just the right condition, that is, when the skin of the grain breaks at the slightest puncture. It will be of inferior quality if it is either a few days too old or too young.

Golden Bantam

A Favorite With All Who Have Grown It

The most famous sweet corn in the world today; it has been gaining in popularity ever since its introduction about 20 years ago. It is the richest and sweetest of all varieties of sweet corn.

Golden Bantam is dwarf, the stalks are usually 5 to 6 feet high and the foliage is short, allowing it to stand closer together in the small garden and thus produce a large crop on a small area. We recommend planting Golden Bantam every ten days during the planting season and you will be assured of a continuous supply of the best sweet corn. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

Golden Giant

Awarded the Silver Medal for novelty and excellence at Massachusetts Horticultural Show. Ears twice the size of Bantam and being from 14 to 16 rowed gives nearly four times the yield per acre: richer in color more delicious, equally early. The husks are striped with red and very heavy. Golden Giant can be highly recommended to the market gardener because of the large ears and good shipping qualities of the corn.

Golden Giant is the result of eleven years' selection by Dr. F. S. De Lue of Boston, Mass., from a product of "Howling Mob crossed with Golden Bantam." **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

Golden Cream

This sweet corn is of California origin and the result of crossing the Golden Bantam on the Country Gentleman. The Golden Cream resembles the Country Gentleman in appearance, having the same irregular rows, and has also the deep-pointed kernel and slender cob of that variety, otherwise it is entirely distinct, being of dwarf habit in growth, having an ear about the length of the Golden Bantam, and differs from the Country Gentleman in time of maturity, being very early.

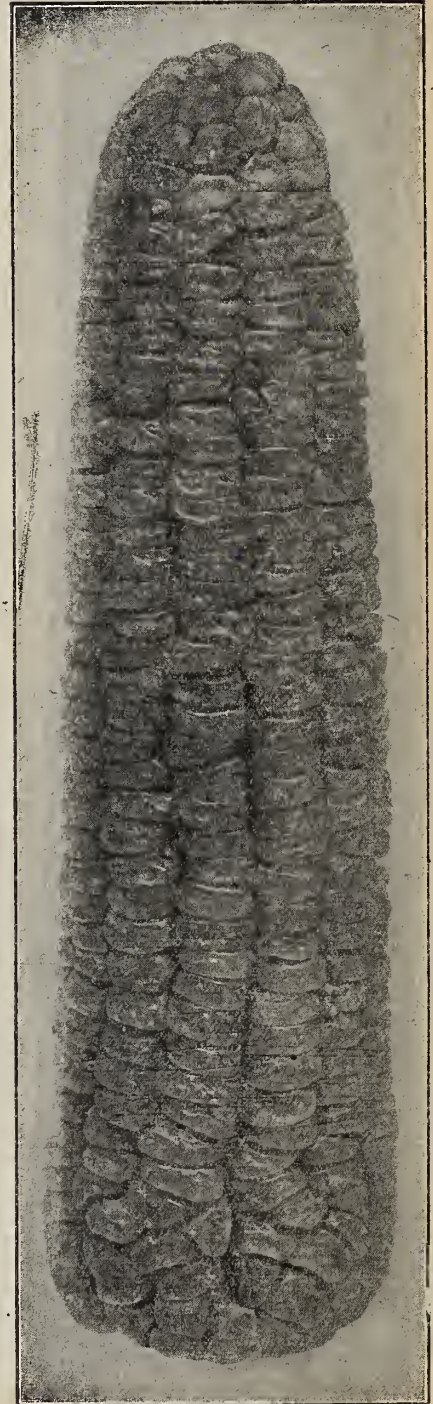
The Golden Cream is of unsurpassed quality, having the peculiarly rich flavor of the Golden Bantam and the tenderness of the Country Gentleman. **Pkt. 20 cts., lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 24 cts. per lb.**

Golden Rod

Golden Rod is the result of a cross between Stowell's Evergreen and Golden Bantam, and proves to be a happy and complete blending of each sort. The ear is none too small, nor is it large and bulky, but just large enough for ordinary consumption. The plants are 6 to 7 feet high, strong, profusely leaved, and bear on each stalk, at a convenient height, two ears lavishly packed with delicious golden grains of appetizing flavor. Exceptionally fine to follow Golden Bantam on account of its large size, color and sweetness. **Pkt. 20 cts., lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 24 cts. per lb.**



Golden Bantam



De Lue's Golden Giant



EVERYBODY KNOWS ROSS' SEED GROWS



Alpha Sweet Corn

The earliest sweet corn. Matures a week or ten days ahead of Mammoth White Cory. The ears average six to seven inches long, are uniformly eight rowed, fully equal in quality to Mammoth White Cory with skin a trifle more tender. The stalks are very uniform in height averaging about four feet. Ears are set low and close to the stalks. For the market grower who reaps an extra profit by getting his produce on the market ahead of his competitors this will be a money-maker; for the home gardener it will produce desirable ears for the table a week ahead of the next earliest variety. Pkt., 20 cts.; lb., 45 cts.; 2 lbs, 80 cts.; 10 lbs. or more, 35 cts. per lb.

Bantam Evergreen

A yellow variety maturing about 10 days after the Golden Bantam and a week earlier than the Stowell's Evergreen white. It has an ear three times the size of Golden Bantam and runs 12, 14 and 16 rows to the ear. The stalk is about 6 feet tall and is perhaps 1 foot shorter than Stowell's Evergreen and 2 feet taller than Golden Bantam. The Bantam Evergreen has the tender and sweet qualities of the Golden Bantam and combines the quality of the Golden Bantam with the productiveness of Stowell's Evergreen. As a table variety it is unexcelled. Pkt., 20 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs. or over, 28 cts. per lb.

Black Mexican

A popular variety; until the introduction of the Golden Bantam, the sweetest of all. Ears of medium size; kernels large, when ripe bluish black, but at proper stage for cooking, the color shows but little if at all. Pkt., 20 cts.; lb., 30 cts.; 2 lbs., 50 cts.; 10 lbs. or over, 20 cts. per lb.

COUNTRY GENTLEMAN. Medium size, with irregular rows of very deep and slender kernels and small cob. Sweet and tender, not surpassed in quality by any other variety with white kernels. Plant very productive, often yielding three and sometimes four good ears. Plant liberally, as the kernels being much shriveled, seldom germinate so well as those of the regular type. Ready for use a little before the Stowell's Evergreen. Pkt., 20 cts.; lb., 50 cts.; 2 lbs., 90 cts.; 10 lbs. or over, 40 cts. per lb.



Country Gentleman

EARLY CROSBY. New England Strain. This has been for years the most popular second-early strain in New England, and is largely grown elsewhere. Ears are intermediate in size between those of the first-early sorts and the Kendel's Early Giant, especially attractive and distinct, having rather small, almost square kernels packed so closely on the cob, that there is no space between the rows, as with other varieties; has always twelve or more rows and tip is completely covered. Not only an unusually attractive ear, but of a size preferred by many, and corn is superior quality. Pkt., 20 cts.; lb., 35 cts.; 2 lbs., 60 cts.; 10 lbs. or over, 24 cts. per lb.

EARLY EVERGREEN. Ears large, with sixteen to twenty rows. Equal in quality to the Stowell's Evergreen; one to two weeks earlier. Pkt., 20 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs. or over, 28 cts. per lb.

EARLY MAYFLOWER. One of the whitest and sweetest of the early varieties; an exceptionally good yielder and one that deserves to be planted to come in ahead of Golden Bantam; ears average 8 inches with deep kernel. Pkt., 20 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs. or over, 28 cts. per lb.

HOWLING MOB. This corn originated in Ohio and it became so popular it was given the above name. The endeavor of the originator of this corn was to get as large an ear as possible, early in the season and of sweet flavor. This corn is of strong and vigorous growth, from 4½ to 5 ft. high and has abundant foliage and generally produces two ears to each stalk. Ears measure 7 to 9 inches in length with 12 to 14 rows. The corn is nearly white, usually covered with a heavy husk which extends well over the tip of ears which affords a good protection from worms and birds. Pkt., 20 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs. or over, 28 cts. per lb.

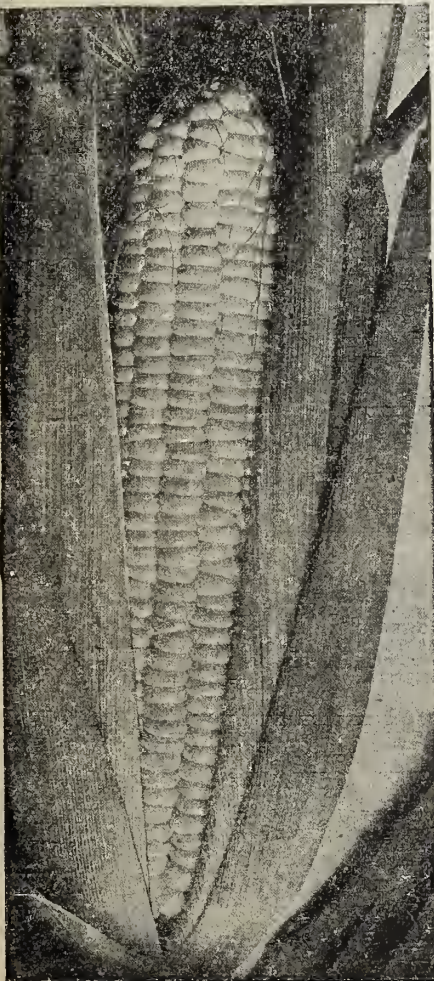
KENDEL'S EARLY GIANT. A second-early variety, following closely the small-eared, early kinds, but having ears of sufficient size to warrant its use for main-crop, usually twelve-rowed. Of good quality; productive. Pkt., 20 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs. or over, 28 cts. per lb.

MARBLEHEAD MAMMOTH. Ears of the largest size, having twelve to sixteen rows of kernels of more than average size, sweet and tender. Preferred by some to Evergreen for fodder and matures its crop earlier. Pkt., 20 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs. or over, 28 cts. per lb.

POCAHONTAS. One of the earliest varieties, similar to White Cob Cory; ears are large, evenly and compactly filled with tender white kernels of very fine quality for a first early variety and runs very uniform as to type and productiveness. Pkt., 20 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs. or over, 28 cts. per lb.

POTTER'S EXCELSIOR, or SQUANTUM. First named Potter's in Boston market, later named Squantum in Rhode Island. Ears of medium size. Matures soon after the second-early sorts. Pkt., 20 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs. or over, 28 cts. per lb.

STOWELL'S EVERGREEN. The best known and most largely planted of all the varieties. The Stowell's Evergreen is hard to beat and for a long time to come many will have it in preference to any other sort. This corn is distinguished by the large ear, the long deep kernels, its rich, sugary flavor and its long keeping qualities. It is the standard late sort. Pkt., 20 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs. or over, 28 cts. per lb.



Early Evergreen



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Pop Corn for Planting

WHITE RICE. This variety of pop corn is an old and tried corn. It is the heaviest yielder of all and of very good quality. The stalks grow from 5 to 6 feet tall and produce two to three ears each. The ears are about 6 inches long and covered from butt to tip with long, hard, flinty kernels. When popped the kernels are very large and tender. We recommend this variety especially for its large yielding ability and its popping qualities. **Pkt. 15 cts., lb. 25 cts., 10 lbs. or over 20 cts. per lb.**

Dwarf White Hulless

This is the dwarf variety of pop corn used so extensively by pop corn venders all over the United States. The kernels are similar in color and shape to the older types of white rice, except they are more slender and longer. Is of dwarf growing habit. Ear about two to three inches long. The kernels on an average cob, however, will produce nearly twice as much popped corn as the average larger sized white rice cob, with practically no wastage. Matures in about 65 days. **Pkt. 15 cts., lb. 35 cts., 10 lbs. or over 30 cts. per lb.**

Shelled Corn For Popping

TANAGER BRAND

The best pure white pop corn, in fine condition for popping. Shelled corn in one-pound packages. **Price, lb. 12 cts.**

WHITE RICE POP CORN on the cob. **Price, lb. 10 cts., 10 lbs. or over 8 cts. per lb.**

DWARF WHITE HULLESS Shelled. **Price, lb. 15 cts., 10 lbs. or over 14 cts. per lb.**

Seeds Used for Flavoring and Pickling

Caraway	Oz.	Dill	Oz.
Celery	.10	Fennel	.20
Coriander	.20	Mustard	.10

Complete Garden Collection

\$3.00 value, \$2.00 postpaid

This collection contains a complete assortment of vegetable seeds; enough for the large family garden 30x40 feet. All varieties are selected for some special merit and all are standard sorts. Postpaid to any address for **\$2.00.**

- 1 Pkt. Beans, Green Pod Stringless.....\$0.20
- 1 Pkt. Beans, Sure Crop Black Wax......20
- 1 Pkt. Beet, Crosby's Early Egyptian......10
- 1 Pkt. Beet, Detroit Dark Red......10
- 1 Pkt. Beet, Swiss Chard......10
- 1 Pkt. Carrot, Danvers Half Long......10
- 1 Pkt. Cabbage, Copenhagen Market......10
- 1 Pkt. Corn, Golden Bantam......20
- 1 Oz. Cucumber, Early Fortune......15
- 1 Pkt. Endive, Batavian Broad Leaf......10
- 1 Pkt. Lettuce, Black Seeded Tennisball......10
- 1 Pkt. Lettuce, Big Boston......10
- 1 Pkt. Muskmelon, Rocky Ford......10
- 1 Pkt. Onion, Yellow Globe Danvers......10
- 1 Pkt. Parsley, Plain Leaf......10
- 1 Pkt. Parsnip, Hollow Crown......10
- 1 Pkt. Pumpkin, Small Sugar......10
- 1 Pkt. Peas, Sutton's Excelsior......20
- 1 Pkt. Radish, Scarlet Globe......10
- 1 Pkt. Radish, French Breakfast......10
- 1 Oz. Spinach, Early Giant Thick Leaf......15
- 1 Pkt. Squash, Early Summer Crookneck......10
- 1 Pkt. Squash, Green Hubbard......10
- 1 Pkt. Turnip, Long Island Improved Rutabaga......10
- 1 Pkt. Turnip, Purple Top White Globe......10

Special Vegetable Collection

\$1.60 value for \$1.00 postpaid

This is a collection for the small garden prepared for those who do not want to spend time to make their own selections. All varieties listed are easily grown and include a good list for the home garden, being sufficient for about 20x30 feet of space. Mailed anywhere on receipt of price, **\$1.00.**

- 1 Pkt. Beans, Sure Crop Black Wax.....\$0.20
- 1 Pkt. Beet, Crosby's Early Egyptian......10
- 1 Pkt. Carrot, Danvers Half Long......10
- 1 Pkt. Cabbage, Copenhagen Market......10
- 1 Pkt. Corn, Golden Bantam......20
- 1 Pkt. Cucumber, Early Fortune......10
- 1 Pkt. Endive, Batavian Broad Leaf......10
- 1 Pkt. Parsnip, Hollow Crown......10
- 1 Pkt. Pumpkin, Small Sugar......10
- 1 Pkt. Peas, Sutton's Excelsior......20
- 1 Pkt. Radish, Scarlet Globe......10
- 1 Pkt. Squash, Summer Crookneck......10

\$1.60

Raffia for Tying

Raffia is the straw colored inner skin of a palm found in Madagascar. It is very strong and tough, but soft and flexible, which makes it the very best material for tying vegetables, plants, vines, etc. It is better than twine, as it does not cut the plants and is much stronger. It is also used for making baskets. Raffia comes in hanks from 1 to 5 lbs. We offer the best grade. **Price per pound 25 cts.**



Herbs

	Oz.	Pkt.
Anise		\$0.10
Caraway	\$0.30	.10
Catnip		.10
Coriander		.10
Dill	.15	.10
Fennel		.10
Lavender	.50	.10
Marjoram, Sweet	.35	.10
Sage	.40	.10
Savory, Summer	.35	.10
Thyme	.35	.10

Bird Seeds

Best re-cleaned; for feeding only

	Lb.	100 lbs.
Canary	\$0.15	\$12.00
Hemp	.12	10.00
Kaffir Corn	.10	5.00
Lettuce	.30	28.00
Millet, mixed	.10	7.50
Peas for Pigeons	.12	9.00
Rape	.12	10.00
Sunflower, striped	.12	10.00
Flax	.18	15.00

Vegetable Plants and Roots

By express only. Write for prices.

- PLANTS.** Best varieties.
- CELERY PLANTS.** Leading varieties.
- CAULIFLOWER PLANTS.** Snowball.
- PEPPER PLANTS.**
- TOMATO PLANTS.** All the leading varieties.

Rhubarb Roots

Victoria, small roots	\$0.25
Victoria, clumps	.50

Flower Plants

- ASTER,** American Branching.
- ANTHRINUM,** Mixed Colors.
- CALENDULA,** Mixed Colors.
- COSMOS,** Mixed Colors.
- PANSY,** Mixed Colors.
- SALVIA,** Bonfire and Splendens.
- ZINNIA,** Mammoth Mixed Colors.



**EVERYBODY KNOWS
ROSS' SEED GROWS**

General List of Vegetable Seeds

Asparagus

An ounce will sow about 60 feet of drill, and produces 200 or more plants.

To grow asparagus from seed, sow as early as ground can be worked. Make the soil rich and sow in drills one foot apart and an inch or more deep. If the bed has good care, the roots may as well be transplanted to the permanent bed early the following spring as to wait another year, as is generally done. The soil should be thoroughly and as deeply worked as possible and can hardly be made too rich. In the field, the rows should be from four to six feet apart, but in the garden where the cultivation is to be done by hand the rows may be as close as two feet apart. Make broad trenches 8 inches deep, and if the roots are well spread, the crown will be 6 inches below the level. Cover with but an inch of soil at time of setting, filling the trench gradually as the plants grow. The plants should have frequent cultivation and yearly heavy applications of manure or fertilizer. The third year from setting, two or three cuttings may be made; after that, all that are possible until time for early peas.

WASHINGTON ASPARAGUS. This is a strain which has been under the direction of the Bureau of Plant Industry of the United States Department of Agriculture. The Bureau began this work at Concord, Massachusetts, in 1906, rust-resistance being one of the principal features desired. From a single plant discovered at Concord in 1910, a commercial strain has been developed.

Washington Asparagus is a rust-resistant, vigorous, high yielding strain of giant asparagus. The plants represented in its pedigree of the last three generations are the best found in a ten years' search among millions of plants tested. By test, we mean the ones that have produced offspring, uniform, rust-resistant, high yielding, of large size and rapid growth, all of which qualities indicate tenderness.

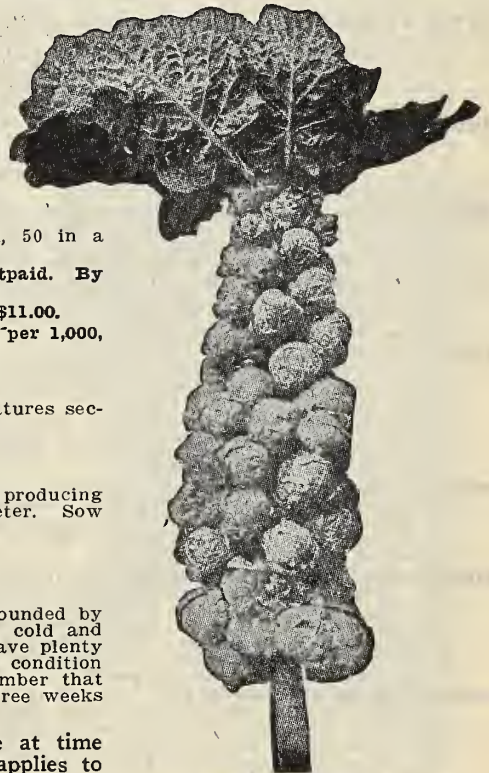
Our supply of both seed and roots is limited.
Pkt. 10 cts., oz. 30 cts., ¼ lb. \$1.00.

GIANT ARGENTEUIL. Popular in France on account of its large, thick, green stalks, being a special favorite in the Paris markets. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts.

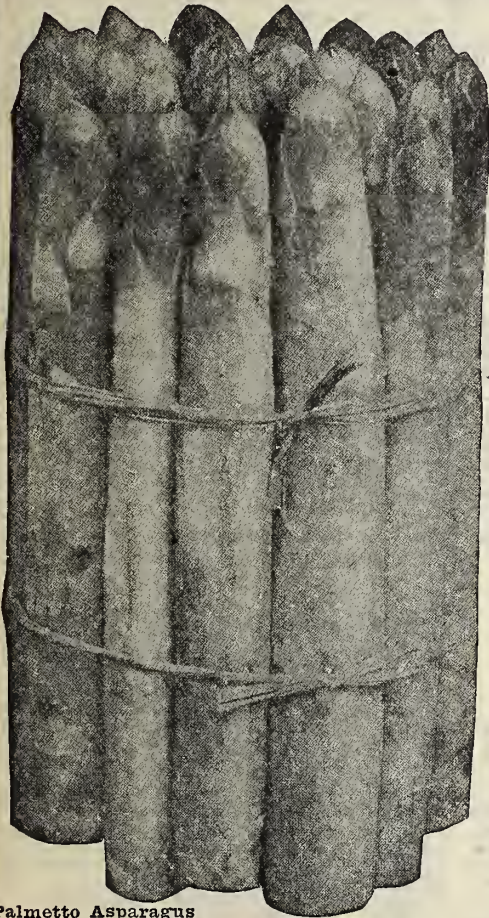
PALMETTO. Early and productive. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts.

Asparagus Roots

The easiest way to obtain an Asparagus bed is to set out the roots. It takes 3 years to establish one from seed, but with our large, two year roots a bearing bed may be had in 2 years.



Brussels Sprouts



Palmetto Asparagus

We can furnish strong two-year old roots of the three varieties listed, 50 in a bunch, at the following prices:

WASHINGTON. Selected 2-year roots. Doz. 35 cts., 50, \$1.15; 100, \$2.25, postpaid. By express, 100, \$2.00; 1,000, \$18.00.

PALMETTO. Per 50, 75 cts., postpaid. By express, per 100, \$1.25; per 1,000, \$11.00.

GIANT ARGENTEUIL. Per 50, 75 cts., postpaid. By express, per 100, \$1.25; per 1,000, \$11.00.

Artichoke

GREEN GLOBE. Perennial, large-flowering heads, cooked like Asparagus. Matures second year; not hardy in the North. Pkt. 20 cts., ½ oz. 55 cts., oz. \$1.00.

Brussels Sprouts

A very hardy plant of the cabbage family, growing from 2 to 3 feet high, producing from the sides of the stalk numerous small heads about 2 inches in diameter. Sow about the middle of May, and treat generally as directed for cabbage.

IMPROVED HALF-DWARF. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

Broccoli

ST. VALENTINE BROCCOLI has a clear white head like a cauliflower, surrounded by heavy leaves which may be tied to further blanch the heads. It stands cold and wet well, and heat better than any cauliflower. Be sure that the plants have plenty of water. Seed started in June will make heads which will be in good condition all winter. Seed started earlier will bring heads in for summer. Remember that Broccoli takes longer to mature than Cauliflower and so allow two or three weeks more. Pkt. 15 cts., ½ oz. \$1.30, oz. \$2.50.

All prices in this catalogue are based on the lowest market price at time catalogue goes to press, but they are subject to market changes. This applies to both advance and decline.



BEANS

2 lbs. will plant 100 feet of drill. 60 to 90 lbs. will plant an acre

Beans succeed best in warm, light soil of at least average fertility. In this latitude it is not usually safe to plant much earlier than the middle of May. If planting is made earlier and is followed by especially wet or cold weather, the planter should not blame the seedsman if beans fail to germinate. Plant the dwarf varieties in drills 2 to 3 feet apart, about 2 inches deep, and thin plants 4 to 6 inches apart. Give frequent, shallow cultivation until time of blossoming.

Dwarf Wax or Butter Beans

BLACK WAX, PROLIFIC. One of the best for a home garden, perfectly stringless and of excellent flavor. Pods are medium size, round and of a clear waxy white color. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

BRITTLE WAX. One of the best early varieties. The pods are round and long, often six inches in length, and a rich, golden yellow; stringless and tender. When ripe, makes good shell bean. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 25 cts. per lb.**

CURBIE'S RUST-PROOF WAX. It has been claimed that this medium early bean is absolutely rust-proof and we have found it as nearly rust-proof as any wax-podded bean. The plants are very vigorous, hardy and productive. The pods are five to six inches long, nearly straight, broad and flat; color, golden yellow. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

We send one pound or less postpaid; for larger quantities by parcel post, postage must be sent. See inside front cover.



Improved Golden Wax Beans

DAVIS WHITE WAX. Vines of vigorous habit, fairly productive, not especially subject to blight or rust. Pods longer than those of most other varieties, always straight, flat, white, wax-like and attractive. If picked while young, the pods are tender and stringless, but later are hardly equal in quality to those of some less hardy sorts. Seeds white, kidney-shaped, excellent for baking. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

GOLDEN-EYED WAX. Next to Horticultural Wax in its freedom from rust, and superior to that in quality though not equal to most others in the list. Pods of good length, flat, straight, waxy yellow and attractive. Popular with market gardeners. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

HODSON WAX. A new and distinct variety, about two weeks later than others, but surpassing most others in its combination of large, handsome pods, good quality and immunity from rust. It is also above the average in productiveness. **Pkt. 20 cts., 1 lb. 30 cts., 2 lbs. 50 cts., 10 lbs. or over 22 cts. per lb.**

IMPROVED GOLDEN WAX. An old, well-known and popular variety of excellent quality. Pods flat, long, golden yellow. One of the earliest and best dwarf wax varieties for the private garden. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

PENCIL POD WAX. This very handsome black wax sort is medium early, fairly hardy and productive. It is one of the very best sorts for home use and for near markets where highest quality is desired. The plants are strong growing with roughened leaves. The pods are long, five and one-half to six inches, straight, round, fleshy and of a bright yellow color. They are tender, absolutely stringless and are produced through a long season. Seed long, round, medium sized, solid black. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

ROUND-POD KIDNEY WAX. Of unsurpassed quality. One of the best for the home garden and very desirable for market, where round-podded varieties are popular. Pods are long, very white and wax-like; uniformly perfect in shape and vine is very productive. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

SURE-CROP STRINGLESS WAX. An absolutely stringless, rust-proof wax-pod, bush bean. Pods seven to seven and one-half inches long, about half an inch in diameter, and a beautiful rich yellow color. Plant hardy, extremely prolific, in fact, bears more freely than any other variety of recent introduction. Just the bean for the family garden. On account of its size it is always a ready seller on the market. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

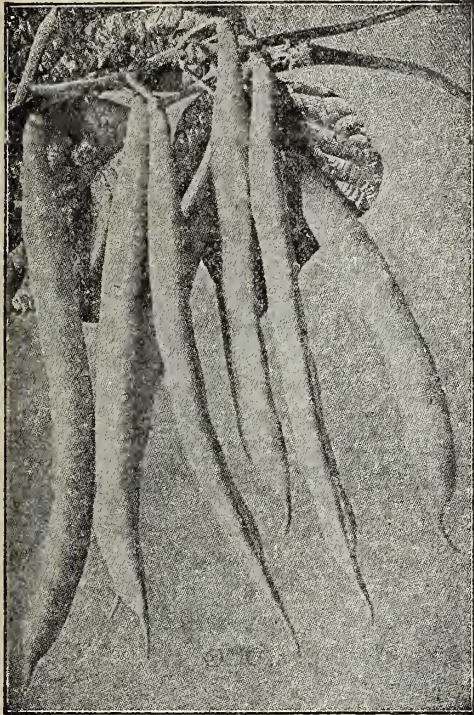
WARDWELL'S KIDNEY WAX. A very popular variety, especially in some localities, because of the large size, handsome appearance and excellent quality of the pods. The pods are flat, broad, and usually five to six inches long, of delicate, waxy yellow color, stringless and brittle. Very widely used by market gardeners. **Pkt. 20 cts., 1 lb. 30 cts., 2 lbs. 50 cts., 10 lbs. or over 22 cts. per lb.**



Sure Crop Black Wax

EVERYBODY KNOWS ROSS' SEED GROWS

We send one pound or less postpaid; for larger quantities by parcel post, postage must be sent. See inside front cover.



Prolific Black Wax Beans

- GIANT STRINGLESS GREEN POD.** Makes an excellent succession to Burpee's Stringless Green Pod when planted at the same time. The plants are of strong growth; pods lightly curved, quite meaty, being broadly rounded and saddle-backed, brittle and stringless at all stages. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**
- GODDARD, or BOSTON FAVORITE.** Vine very large, vigorous and productive. Pods long, larger than the Dwarf Horticultural, similar in color and marking. Beans large, kidney-shaped, of excellent quality. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**
- IMPROVED YELLOW EYE.** One of the best sorts for baking; extremely productive and of superior quality. **Pkt. 15 cts., 1 lb. 20 cts., 2 lbs. 35 cts., 10 lbs. or over 16 cts. per lb.**
- LOW'S CHAMPION.** Vine of rank vigorous habit, seldom affected by blight or mildew; productive; pods large and well filled. Beans large, oval, red, of finest quality. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**
- RED KIDNEY.** Large red kidney-shaped beans of excellent quality. The old-fashioned baking bean. **Pkt. 15 cts., 1 lb. 20 cts., 2 lbs. 35 cts., 10 lbs. or over 16 cts. per lb.**
- REFUGEE or THOUSAND TO ONE.** A standard very productive sort, highly esteemed for late planting for snaps and very extensively used for shipping, canning and pickling. Sometimes called Late Refugee, Round Pod Refugee and Improved Refugee. The plants are very large, spreading, exceedingly hardy, with many small, smooth light green leaves. The mature pods are about five and one-fourth inches long, cylindrical, slightly curved, medium green when in condition for use as snaps but as they mature becoming light yellow, sometimes splashed with purple. Seed long, cylindrical, light drab, thickly dotted and splashed with purple. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**

English Broad Bean

BROAD WINDSOR. An old-fashioned English shell bean. This bean is very hardy; it should be planted as early as the ground will permit, three or four inches deep in rows three feet apart, and plants four feet apart in row. Dry beans very large and yellowish green. **Pkt. 25 cts., 1 lb. 60 cts., 2 lbs. \$1.00.**

Dear Sirs:—Received our corn which we have ordered from you on March 28, and it reached us in splendid condition and such nice, healthy seeds and best of all a good Standard weight.

Every one, that is from those, which we took orders for your Eureka Ensilage Corn admired it with pleasure and am pleased to say they are all satisfied; some even said that we could have the honor again to take up their orders for next year.

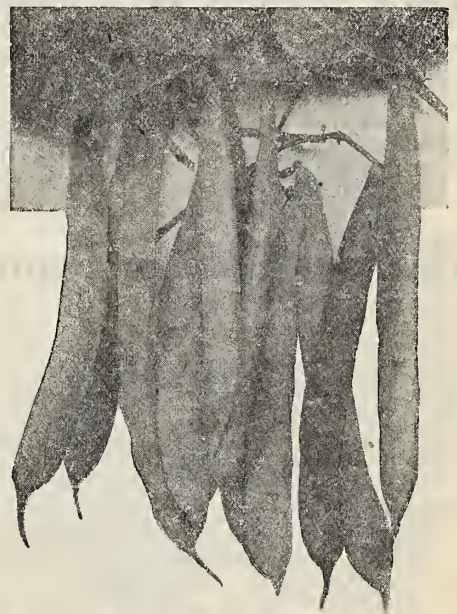
I wish to thank you for your promptness in sending my order.

Yours truly,
T. M.

Beans Dwarf or Bush Green Podded Sorts

Don't Forget—Mulford Culture for Beans

- BOUNTIFUL.** Vine unusually thrifty, rarely affected by blight, bears early, profusely and for a long time. Pods large, flat but thick and meaty, stringless and tender. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**
- BOSTON SMALL PEA.** More largely used than any other variety for baking. Choice selected. **Pkt. 15 cts., 1 lb. 20 cts., 2 lbs. 35 cts., 10 lbs. or over 16 cts. per lb.**
- BURPEE'S GREEN POD STRINGLESS.** A very desirable dwarf podded snap sort for the home garden and largely grown for the market. The plants are large, spreading and productive. The pods are medium green, five to six inches long, cylindrical, larger than those of Red Valentine, but are quite as fleshy, of equally high quality and remain crisp and tender longer. They mature a little later. Seed of medium size and length, yellowish brown. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**
- DWARF HORTICULTURAL.** Pods thick, broad, of medium length, yellowish green splashed with red when at the stage of fitness for green shell beans and are then very attractive. Beans are large, oval, easily shelled and of fine quality. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**
- PRENCE'S HORTICULTURAL.** This is a bean of the horticultural type which has been grown quite extensively in some localities by the Market Gardeners for a number of years. The vines are compact and of upright growth; almost always sending out runners to a height of one and one-half to two feet, but do not climb a pole and are not of sufficient length to affect the bean in any way. The pods when ready to use are a yellowish green splashed with a bright crimson. Very prolific. **Pkt. 20 cts., 1 lb. 50 cts., 2 lbs. 90 cts., 10 lbs. or over 40 cts. per lb.**
- EARLY RED VALENTINE.** An old favorite. Vine hardy and productive; pods round, of medium length, thick, tender and of fine flavor. **Pkt. 20 cts., 1 lb. 30 cts., 2 lbs. 50 cts., 10 lbs. or over 22 cts. per lb.**
- EARLY LONG YELLOW SIX WEEKS.** The vines of this variety, known also as Long Yellow Six Weeks, are large, vigorous, erect and very productive. The leaves are large. The pods are long, about six inches, straight, flat, handsome, rather light green and when young are of good quality for snaps. This sort is early maturing and a fine shipper. Seed medium sized, long, kidney shaped, light yellow with small brownish circle about the eye. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**



Burpee's Green Pod Stringless



Mammoth Green Pod Stringless



Dwarf Lima Beans

1 lb. will plant about 50 hills

The dwarf lima class cannot be recommended too highly. The beans can be grown and gathered much more easily than the pole limas, as the vines require no support. They can also be grown closer together than those, are equal in quality to pole limas and as a rule are earlier maturing.

Limas require a longer season for maturing than other garden beans. Do not plant till the ground is dry, weather warm and danger of frost is over. If possible, select rich, light soil. Plant in drills two or three feet apart, dropping the beans three to four inches apart and covering one and one-half to two inches deep. If planted in hills, make the hills two or three feet apart one way and two to two and one-half the other and plant four to six beans in a hill. Hoe often but only when the leaves are dry.

HENDERSON'S BUSH LIMA. A bush of the Sieva Lima; beans small but vine is productive and bears early. Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.

BURPEE'S BUSH LIMA. A bush form of the Large Lima which it closely resembles and approaches in size. Very popular. Pkt. 20 cts., 1 lb. 50 cts., 2 lbs. 90 cts., 10 lbs. or over 40 cts. per lb.

BURPEE'S IMPROVED BUSH LIMA. A distinct strain. The earliest, largest and the best of all large limas. This new strain differs from the popular Burpee's Bush Lima in bearing uniformly much larger pods, producing more beans, while both pods and beans are much larger and thicker. While the beans are as large as those of the Large Lima, the crop of the Improved is ready for gathering from eight to ten days earlier. In quality, the beans are equal to any, being thin-skinned, juicy and of fine flavor. Pkt. 20 cts., 1 lb. 50 cts., 2 lbs. 90 cts., 10 lbs. or over 40 cts. per lb.

FORDHOOK BUSH LIMA. The Fordhook Bush Lima Bean is not a selection made by man from the Dreer's Bush Lima, but created by nature, a single sport found in the field of Dreer's or Challenge Pole Lima and has now become one of the leading varieties of Bush Lima Beans. The plant is of stiffly erect habit, the beans are much larger and of superior quality, and even when full size are juicy and of fine flavor. Pkt. 20 cts., 1 lb. 50 cts., 2 lbs. 90 cts., 10 lbs. or over 40 cts. per lb.

Pole or Running Lima Beans

2 lbs. will plant about 100 hills

These, like the Dwarf Lima, are tender and should not be planted in this latitude much before the first of June, and even then a liberal quantity of seed should be used to be more nearly certain of a uniform stand. Three plants, however, are all that should be allowed to grow in a hill.

CARPENTERIA. This is just the lima for the market gardener to grow for main crop. It is early and large, and enormously prolific, without much vine. Pkt. 15 cts., 1 lb. 35 cts., 2 lbs. 65 cts., 10 lbs. or over 30 cts. per lb.

Fordhook Bush Lima Beans

KING OF THE GARDEN LIMA. Earlier than the Large Lima, and pods are longer and often contain five beans of the largest size. The vine is large and of remarkably vigorous growth and will produce larger pods and bear earlier if only two are allowed to grow to the pole. Pkt. 15 cts., 1 lb. 35 cts., 2 lbs. 65 cts., 10 lbs. or over 30 cts. per lb.

LARGE LIMA. The old standard variety. Pods are broad, thin and borne in clusters. The vine grows tall, is vigorous but slender. Later in bearing than the preceding varieties. The beans are large and of a greenish tinge, which is considered an indication of superior quality. Pkt. 15 cts., 1 lb. 35 cts., 2 lbs. 65 cts., 10 lbs. or over 30 cts. per lb.

SEIBERT'S EARLY LIMA. The earliest variety; vine vigorous and very productive and continues so from the first to the last of the season. While the pods are short and rarely contain more than four beans, the total yield compares very favorably with other varieties. A desirable feature of this variety is the ease with which the pods are opened, owing to the fact that they are very thin. Pkt. 15 cts., 1 lb. 35 cts., 2 lbs. 65 cts., 10 lbs. or over 30 cts. per lb.

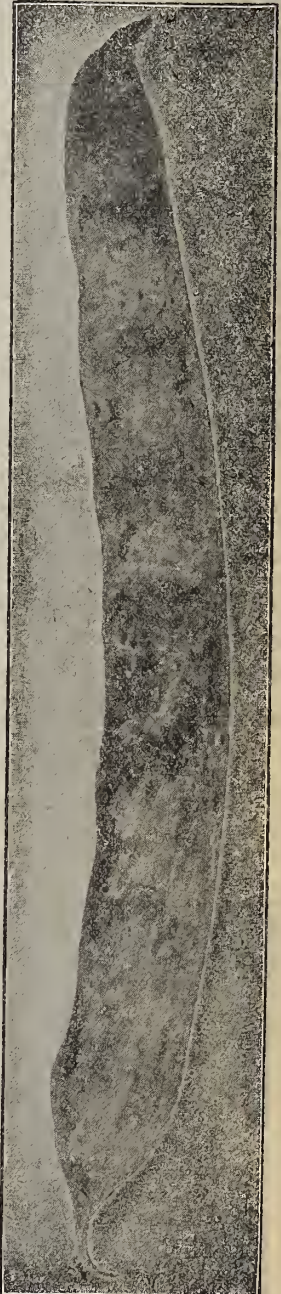
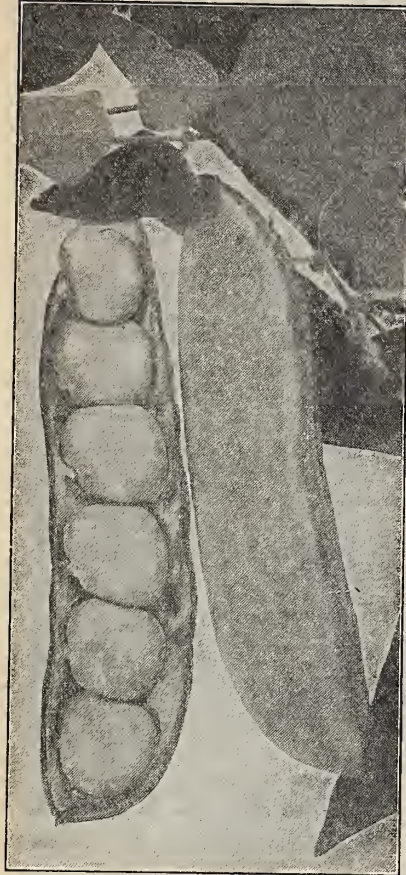
Beans—Pole or Running—Wax Podded Sorts

2 lbs. will plant 100 to 150 hills

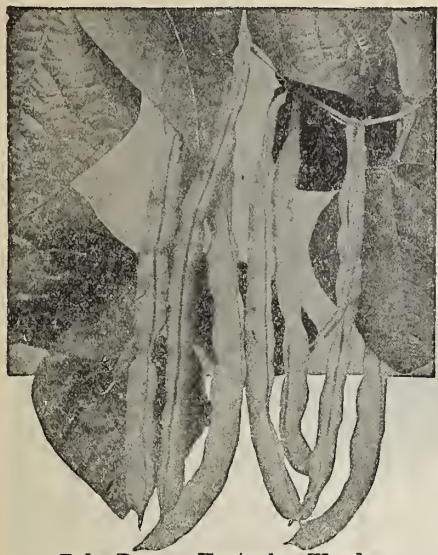
Although pole beans require considerable care and labor, they are, when properly grown, usually of longer bearing period. Pole beans are more sensitive to wet and extremes of temperature than the dwarf varieties and should not be planted as early. Poles should be set in rows about 4 feet apart, preferably running north and south, allowing about 3 feet between the poles in the row. The safer way is to plant six to eight beans around each pole and thin to three or four plants. Beans should be about two inches below the surface and are more generally pressed into the soil, eye down, instead of dropped and covered, as they come up a little sooner planted in this way. Like the dwarf beans, they require frequent shallow cultivation.

GOLDEN CLUSTER WAX. Pods long, broad, thick and fleshy; borne in clusters, creamy white in golden yellow; of best quality. Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 75 cts., 10 lbs. or over 35 cts. per lb.

"KENTUCKY WONDER WAX." This pole bean is quite similar to the very popular green podded Kentucky Wonder, except that the very long pods are a little broader, and of a waxy golden yellow. These are very attractive, fleshy, stringless and not surpassed in quality. The vine is remarkably vigorous and its earliness and hardness commend the variety as one well adapted for even northern latitudes. The seed even from the most matured crop is usually somewhat shriveled. Like the green podded Kentucky Wonder, this is very productive, and we believe it to be generally superior to any other wax podded pole bean. Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.



Harlequin Bean



Pole Beans—Kentucky Wonder

Beans—Pole or Running— Green Podded

Don't Forget Mulford Culture for Beans

HARLEQUIN. Earlier, more productive, and with much longer and attractive pods than the well known London Horticultural or Speckled Cranberry, also harder and a more reliable cropper. The large oval beans are of the highest quality, either shelled or dry. The vines are vigorous, bearing pods that are six to seven inches long, striped or splashed with a deeper and more brilliant red than the London Horticultural. Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.

KENTUCKY WONDER, or OLD HOMESTEAD. Pods are borne in large clusters, are of unusual length, nearly round, silvery green; when young, crisp, entirely stringless, of fine texture and flavor. Vine bears early and is very productive. Used only as a string bean. Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.

LONDON HORTICULTURAL, or SPECKLED CRANBERRY. Pods short, broad, yellowish, streaked with bright red. Beans in general appearance identical with Dwarf Horticultural, of about the same size, more nearly round; of the best quality. Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.

SCARLET RUNNER. Largely grown as an ornamental climber; its rapid growth and early production of dazzling flowers make it a favorite for covering screens, walls, etc. It is also of excellent edible qualities, but rarely grown for that purpose. Pkt. 15 cts., 1 lb. 30 cts., 2 lbs. 55 cts., 10 lbs. or over 25 cts. per lb.

WORCESTER MAMMOTH HORTICULTURAL. This variety, while similar in general character to the Horticultural Pole, is much superior in several ways. The beans, though closely resembling those of the common strain, are much larger. Its strikingly handsome pod combined with its great size are both features of excellence which recommend it. Added to these excellent qualities are those of thrifty, vigorous growth of vine and great productiveness, all making it a variety especially desirable to the market gardener. It easily brings a higher price in the market than any other, and is not excelled by any other sort for the home garden. Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.

BEET

An ounce will sow about 100 feet of drill.
5 or 6 pounds required for an acre.

The beet thrives best in deep, rich, but rather light soil. Sow in drills about 15 inches apart and one inch deep. Make the soil firm over the seed. For early use, sow as soon as the ground can be worked; for fall use, in May; for winter, from the 20th of June to the middle of July, according to the variety. Thin plants to 4 or 5 inches apart. Give frequent shallow cultivation.

EARLY MODEL BEET. A fine selection of blood-red Beet, extremely smooth, fine rich color and desirable shape, and makes a rapid growth, maturing very early. It is globe-shape, the color of flesh a rich blood-red and of most excellent quality, being sweet, tender and free from coarseness. The tops are quite small, making it a fine variety for forcing in hotbed, and it retains all the good qualities either when grown under glass or outside. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.40.

EARLY WONDER. One of the earliest and most perfectly shaped Beets. Its beautiful, deep blood-red color, globular-shaped roots, make it valuable for the home garden. The attractive appearance, uniform size, shape and color have created a very heavy demand for this variety. It is grown very extensively for late sowing. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.40.

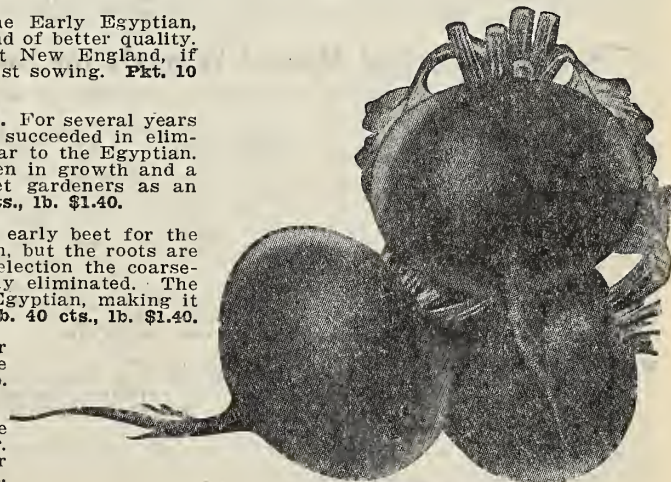
CROSBY'S EARLY EGYPTIAN. An improved form of the Early Egyptian, roots much thicker and more regular. Nearly as early and of better quality. The most popular early variety for market throughout New England, if not elsewhere, and is now being considerably used for last sowing. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

CROSBY'S EARLY EGYPTIAN EXTRA-SELECTED STRAIN. For several years we have given this especial attention and have largely succeeded in eliminating the light-colored, coarse fleshed specimens peculiar to the Egyptian. Roots are more uniform in shape and tops are more even in growth and a little smaller. We confidently recommend it to market gardeners as an unsurpassed strain. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.40.

ROSS PERFECTION. A strain selected by us as the best early beet for the market gardener. Nearly as early as the Early Egyptian, but the roots are much thicker and more regular in shape. By careful selection the coarse-fleshed and light-colored specimens have been practically eliminated. The tops are even in growth and a little smaller than the Egyptian, making it an ideal beet for all uses. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.40.

ARLINGTON FAVORITE. An excellent variety of globular form and deep color, especially desirable to follow the first earlies. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

CRIMSON GLOBE. Roots perfectly globular, one of the earliest of this shape; flesh dark, skin a shade lighter. Seldom grows over-large and is a favorite with some for late as well as early planting. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

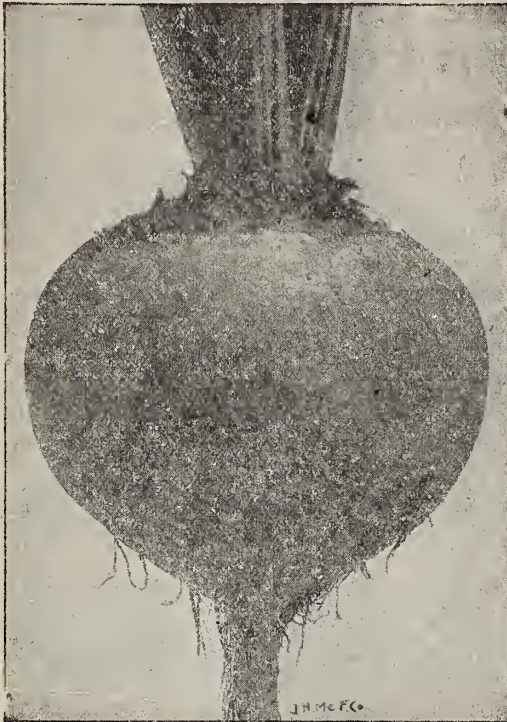


Ross Perfection



BEE T

Continued



Detroit Dark Red

DETROIT DARK RED. A superior second-early and main-crop variety rapidly growing in favor for late planting. Tops uniformly small and grow upright so that the rows may be close together. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.40.**

SWISS CHARD, or SILVER SEA KALE BEE T. Used for greens only. Until recently but little used in this country, but for the last few years has rapidly increased in favor. Much superior to other beets for greens. Of very rank growth, plants should be thinned to about one foot apart. When the plants have attained full size, the stems and mid-ribs are sometimes cooked and served like asparagus. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.**

SWISS CHARD, GIANT LUCULLUS. The Swiss Chard, or Spinach Beet, is prepared for the table in the same manner as Spinach; sometimes, however, the mid-rib is prepared like asparagus. Seed planted early in the spring will quickly produce plants from which cuttings may be made all summer, as you can cut right down to the ground and new shoots will soon spring up and make a fast growth, while those plants which are allowed to grow on without any cutting will make large curly leaves, with thick, light-colored mid-ribs which are delicious when cooked and served like asparagus. You should not fail to plant at least one long row in your garden. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.40.**

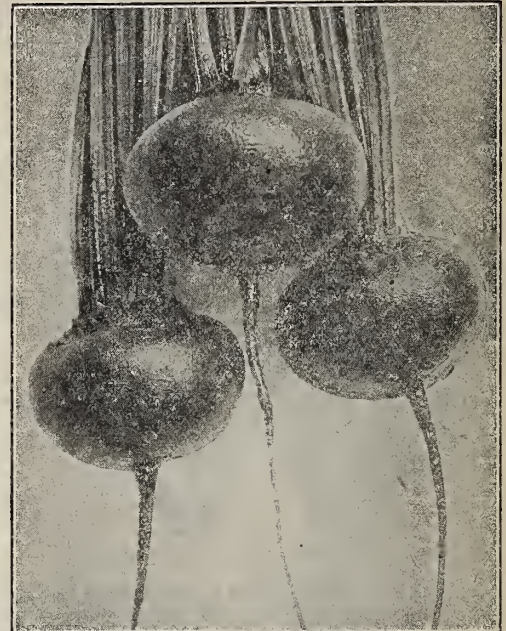
Sugar Beets and Mangel-Wurzels for Stock Feeding

1 oz. to 100 feet of drill; 5 pounds per acre

Roots of all kinds are highly valuable for stock feeding and are worth more general cultivation than they have had in the past. A liberal feeding of Mangels insures a large flow of milk and healthy condition of the animals. Fifteen or twenty tons per acre is not an unusual yield for any of the large growing varieties. They are easy to cultivate and can be raised almost wholly with horse culture and will respond readily to any kind of fertilizer. A yield of 20 tons per acre is equal to 2 tons of the best Timothy Hay or 65 bushels of corn, but they will produce more milk, and, in addition to the feeding value found in protein and fat, you also get a large amount of water, which, to our mind, has a feeding value in any of our field crops.

GOLDEN TANKARD. It is one of the best stock beets grown. It has yellow flesh, a very distinct variety, being short with very little tap root and very easy to harvest. Top and neck very small; root ovoid, flesh yellow, zoned with white; an excellent sort. **Price: Oz. pkt. 10 cts., ¼ lb. 25 cts., lb. 75 cts.**

MAMMOTH LONG RED. This is truly a mammoth, a single root often weighing twenty to thirty pounds. The extra large, long roots are blood-red in color and very nutritious. Enormously productive, yielding, under favorable conditions, thirty to forty tons of roots per acre. **Price: Oz. pkt. 10 cts., ¼ lb. 25 cts., lb. 75 cts.**



Selected Crosby's Egyptian



Swiss Chard

The ground for root crops, such as beets, carrots, parsnips, salsify, etc., should be dug deeply and well pulverized to insure straight and well-formed roots.



EVERYBODY KNOWS ROSS' SEED GROWS



Mammoth Long Red Mangel

MANGEL-WURZELS— Continued

NOBITON GIANT LONG RED. Similar to the Mammoth Long Red; has smaller top and neck; flesh scarlet. Price, oz. pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

ORANGE GLOBE. Top small, root medium-sized; skin deep orange-yellow, flesh white. Grows almost out of the ground; good for shallow ground; easy to harvest. Price, oz. pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

RIVENHALL GIANT. This is one of the finest types of the yellow globe mangel in cultivation. The roots are immense size and exceptionally even in shape. The skin is an orange-yellow with a reddish-yellow base. The flesh is white, being firm and fine grain which renders it an excellent keeping variety. It grows fully three-fourths above ground with a very small tap root which makes it well adapted to light soil. Price, oz. pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

SUGAR BEETS

KLEIN WANZLEBEN. This variety is cultivated on a larger scale than any other Sugar Beet. Root is conical, straight and even, large at top and rapidly tapering. Not as large as some of the other sorts, but contains the largest percentage of saccharine matter. Price, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

CABBAGE An ounce will produce about 2,000 plants

Cabbage will thrive on any good garden soil but is more successfully grown on deep, strong loam, and new soil is much preferable, as on old land the roots are more liable to be affected by the disease called club-root. Especially should land be avoided upon which, within two years, cabbage, cauliflower, turnips or radishes have been grown.

For the earliest crop seed is usually sown in February or March in hotbeds with only moderate bottom heat, and the plants hardened by gradually exposing them to the night air and transplanted as early as the ground is in suitable condition.

Seed of the second-early, autumn and winter varieties, may be sown in the open ground. If a second crop is desired to follow closely the early crop, seed of some second-early sort should be sown as soon as ground can be worked. For later crops, successive sowings may be made, in this latitude, until about the middle of June, possibly some later, the time depending somewhat on the nature and condition of the soil, the season, and more on the variety.



Golden Tankard Mangel

Copenhagen Market

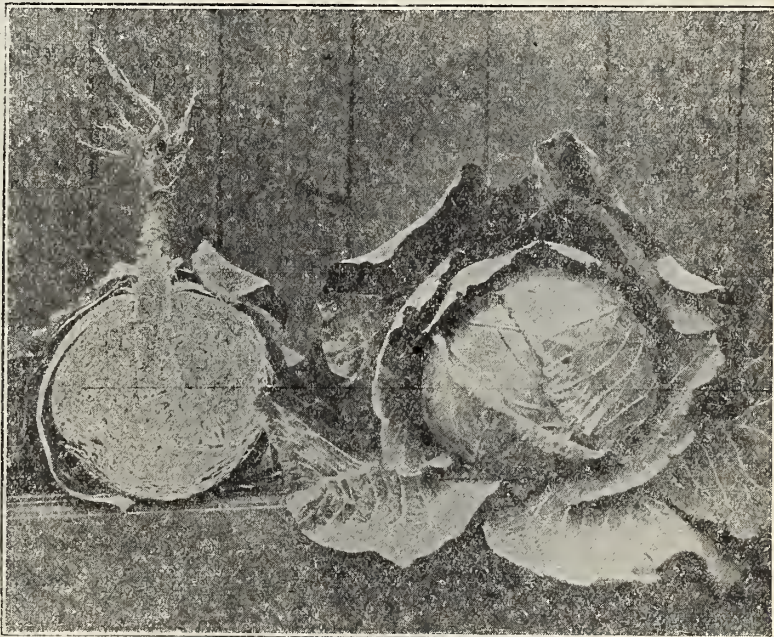
The Best Early Cabbage

As early as the Charleston Wakefield it fully meets the requirements of earliness expected of an Extra Early variety, while the heads are as large or larger than the Danish Ballhead, averaging in weight about ten pounds. The type is remarkably well-fixed, the heads perfectly ball-shaped, all maturing at the same time. The plant is short-stemmed, the heads being produced only a little above the ground. The light green, rather small leaves are saucer-shaped and always tightly folded, permitting of closer planting than usual with other varieties, having a head of equal size. No other early variety will produce so great a weight per acre and we doubt if any of the later varieties will much surpass it in this respect. The Copenhagen Market has proven itself a valuable addition to the market-garden varieties. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

ALL SEASONS. For reliability in heading, not surpassed by any other variety, and few equal it in ability to stand the hot sun and dry weather and when mature to remain in the field so long without bursting. Heads as large as most of the later sorts, nearly round or somewhat flattened, solid and of finest quality. Extensively used for both second early and main crop. Pkt. 10 cts., $\frac{1}{2}$ oz., 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

AMERICAN IMPROVED SAVOY. The best of the Savoy type, which should be more largely grown. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

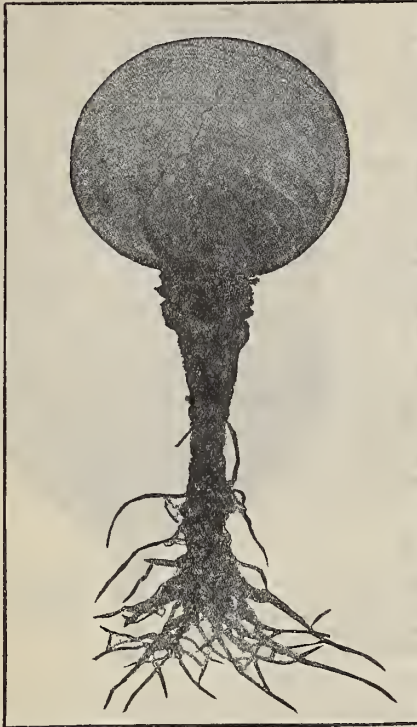
CHARLESTON EARLY WAKEFIELD. A favorite with the market gardeners. Resembles the Early Jersey Wakefield in form but is much larger. Matures equally as early. Very uniform in shape and very desirable for the market gardener. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.



Copenhagen Market Cabbage



CABBAGE—
Continued



Danish Ballhead

EARLY SPRING. The earliest flat-headed variety, maturing soon after the Jersey Wakefield, but much larger. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts.
EARLY WINNIGSTADT. Head large, conical, hard, and keeps well. Plant very hardy and sure to head. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts.

EARLY JERSEY WAKEFIELD. Although this variety is not as early as the preceding one, it will be found the very best conical heading sort to come in immediately after. It is very compact, medium size, conical and a sure header. Pkt. 10 cts., ½ oz. 15 cts., 1 oz. 25 cts., ¼ lb. 75 cts.

DANISH BALLHEAD. This is now the most popular main crop variety for market, due to its remarkable solidity, weight, uniformity in size, fine keeping qualities and attractive round head. It is especially valuable for shipping to distant markets and for late spring use. Though the heads are but of medium size, owing to their great weight the product of an acre exceeds in weight that of any other variety. We offer a strain of seed which has been proved by repeated trials to be unsurpassed. Pkt. 10 cts., ½ oz. 20 cts., 1 oz. 35 cts., ¼ lb. \$1.00.

DANISH ROUNDHEAD. Matures a little earlier than the Danish Ballhead. The heads are nearly round and have a short stalk and are very hard. The inside leaves are white and sweet. It is a healthy variety and able to stand heat and resist disease. The heads, although making quicker growth, are fully as large as Ballhead and equally as good in every way; keeping well during the winter and of excellent quality. Pkt. 10 cts., ½ oz. 20 cts., 1 oz. 35 cts., ¼ lb. \$1.00.

ENKLUZEN GLORY. This comparatively new cabbage has proved to be the best second-early variety yet introduced. Earlier than All Seasons, it is more solid than either that or Henderson's Early Summer, and is of better shape than either being nearly round, approaching closely in this respect the Copenhagen Market. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.



Enkhuizen Glory



The Golden Acre

THE GOLDEN ACRE matures 10 days earlier than the earliest strain of Copenhagen Market. The Golden Acre begins to form head as soon as the leaves have reached only the size of a saucer and the growth may be observed from day to day. It matures in only eighty (80) days from date of sowing, and no other cabbage of which we know—including the earliest strain of Jersey Wakefield—has proven quite as early. We believe it to be the earliest cabbage in existence. Pkt. 25 cts., ½ oz. 35 cts., oz. \$1.50, ¼ lb. \$4.00.

HENDERSON'S EARLY SUMMER. An early large-heading sort. Head flat or slightly conical, remains on stump longer without bursting than most early kinds. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts.

FOTTLER'S BRUNSWICK. An early, large drumhead which has been in New England one of the most popular second early varieties. Head flat, solid, keeps well and of good quality. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts.

PREMIUM FLAT DUTCH. An old standard late variety. Head large, flat and solid. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts.

MAMMOTH ROCK RED. Head larger and more solid than Red Drumhead; reliable in heading. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts.

SUREHEAD. The heads are uniform in size and very hard and firm. They weigh from ten to fifteen pounds each. Is of the flat Dutch type. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts.

WARREN STONE MASON. An improved strain of the old Stone Mason. Previous to the introduction of the Danish Ballhead, the most popular variety in New England for main crop. Earlier and more nearly round than the old strain, of medium size, hard, solid and of excellent quality. Reliable and keeps well. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts.

CHINESE CABBAGE, PE-TSAL. Distinct from the Cabbage of commerce. Somewhat resembling Cos Lettuce, in fact sometimes called Celery Lettuce. It can be eaten either as a salad or cooked like ordinary Cabbage. Culture same as late Cabbage. Sow early in July. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts.

EVERYBODY KNOWS ROSS SEED GROWS



Chantenay Ox Heart Scarlet Horn

Danvers

Hutchinson

Danvers Half-Long or Long Orange. For stock feeding, plant our Belgian. Plant carrots for winter use as late as July 10th; on good soil planted late, carrots will have better flavor and keeping qualities.

The carrot is one of the most wholesome of our garden vegetables, and is deserving of more general cultivation for table use. Whether used in soups, or stews, for garnishing, as a side dish alone, or in combination with peas or other vegetables, it is always attractive. Carrots should be merely washed and scraped (not peeled) before cooking, as the best flavor and brightest color are near the skin.

Long Orange

Root crops of all kinds should be grown by the home gardener, because by storing them in cellars, or in pits outside, a bountiful supply of vegetable food for the winter may be provided.

One pound of Carrot Seed, Danvers Half-Long, \$1.50, will produce if sown on good soil, 12 tons of carrots equal in feeding value for horses and cattle, to 150 bushels of oats.

CARROT

An ounce will sow about 150 ft. of drill; 3 lbs. to the acre

Modern cooking methods furnish numerous recipes in which Carrots are a most delicious dish. Creamed, alone, or in combination with Peas or other vegetables, they meet the approval of the most epicurean taste. They are used extensively in the best restaurants. For home use they are deservedly increasing in popular favor, not only as a table delicacy, but because of their high food value. For stock feeding the nutritive value of Carrots surpasses most other vegetables. Every stock owner should plant at least a small acreage of Carrots to supplement his fodder ration next winter to take the place of grain. In proportion to other costs they furnish very cheap food.

The Carrot thrives best in a light, sandy soil, free from stones, well enriched, and deeply and thoroughly worked. Make the top surface fine and smooth by raking. Sow in drills 14 inches apart and half an inch deep and thin plants to 3 or 4 inches apart. Sow from the middle of April to the middle of June.

CHANTENAY. A most excellent medium early, half long variety. It is one of the best in quality for the market and home garden, while its great productiveness and the ease with which it can be harvested make it desirable as a field sort. The tops are medium sized with small neck. The mature roots are thick, five and one-half to six inches in length, uniformly half long or stump rooted but tapering slightly, smooth, deep orange-red in color. The flesh is very crisp and tender. Although a medium early sort the roots are suitable for use nearly as early as any. The variety is extensively used for bunching. Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. \$1.50.

DANVERS HALF LONG. A well known rich orange red variety, very smooth and handsome, producing extra heavy crops. An excellent market variety; crisp, sweet and tender. Although the roots are short, they produce as large a bulk as the longer field sorts and are more easily harvested. This variety has yielded 25 tons per acre. We have given this our special attention and offer at this time as good strain of seed as is possible to obtain. Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. \$1.50.

EARLY SCARLET HORN. (Stump Root.) One of the best early forcing varieties, this being used mostly for forcing and extra early planting. It is very fine grained and of excellent flavor as a table Carrot. Grows well in a

shallow soil, being a short variety with small top. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

GUERANDE, or OXHEART. Roots very thick, four and one-half to five inches long, tapering but little and ending abruptly in a small tap root, tender and sweet while young. Flesh, bright orange. Used considerably for bunching earlier in the season. A desirable variety for growing on hard, clayey soils. Easily harvested. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

HUTCHINSON. Crop failed.

LONG ORANGE IMPROVED. The roots of the improved strain of this variety we offer are very deep orange, long and comparatively thick, often twelve inches in length and three inches in diameter at the crown, tapering regularly to a point. The tops are rather large. This intermediate to late maturing sort is suitable for table use as well as stock feeding, combining great productiveness with uniform shape where grown in light, deep rich soil. When of size suitable for the table, the roots are tender and of good quality. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

LARGE WHITE BELGIAN. Grows one-third out of ground. The portion above ground is green, that below white, large and rather coarse. Used only for stock. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.00.



Cauliflower

An ounce will produce 2,000 plants

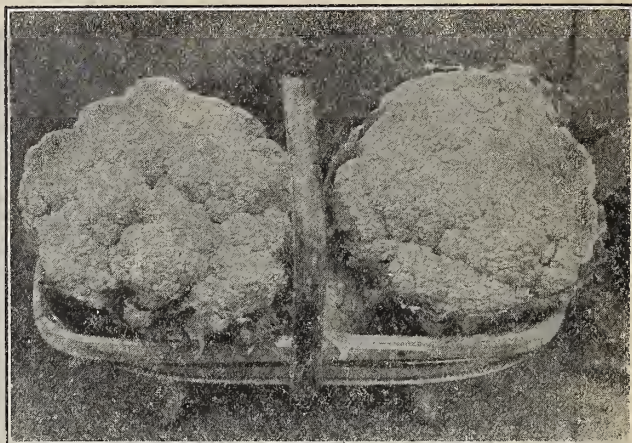
In general, the Cauliflower requires about the same treatment as the cabbage; moist land is, however, more essential and heavier manuring and more frequent cultivation aids to a greater extent the full development of the plant. In this climate the plant heads well only in the cool fall months. Seed should therefore be sown as for late cabbage, from the middle of May to middle of June, the late varieties, however, requiring a little more time than most late cabbage.

EARLY SNOWBALL. The earliest and surest to head. Probably more largely used than all others combined. We offer an unsurpassed strain from one of the leading growers in Denmark. Pkt. 20 cts., ¼ oz. \$1.00, ½ oz. \$1.85, oz. \$3.50.

EARLIEST DWARF ERFUET. One of the earliest varieties; very dwarf, with large, white, compact heads of finest quality. Excellent for forcing. Pkt. 20 cts., ¼ oz. \$1.00, ½ oz. \$1.85, oz. \$3.50.

DANISH GIANT, or DRY WEATHER. About ten days to two weeks later than Snowball. Of dwarf growth, producing large, hard and snow white heads, fully protected by foliage. As indicated by the name, especially adapted for dry and hot climates. Pkt. 20 cts., ¼ oz. \$1.00, ½ oz. \$1.85, oz. \$3.50.

EARLY LONDON. A well-known variety, maturing its head soon after the extra-early sorts. Pkt. 10 cts., ½ oz. 75 cts., oz. \$1.35, ¼ lb. \$5.00.



Snowball Cauliflower (Selected Stock)

Celery

An ounce will produce from 3,000 to 4,000 plants

It requires about three months from sowing until the seedlings are ready to set in permanent place. For early setting, seed may be sown indoors in shallow boxes or in a cold frame, for later setting early in the open ground. Sow in fine soil, cover lightly and firm soil well with hoe or board. Keep soil moist, until seed germinates, nearly wet. When two or three inches high transplant so plants will be three inches apart each way. Shearing off the tops when plants are four inches high will make them more stocky. As soon as well rooted transplant to permanent location. In the field, plants are set in rows four to six feet apart with plant eight to twelve inches apart in the row. In the garden they are often set much closer. To blanch, draw earth about the plant from time to time, taking care that the tops of the center shoots are not covered.

BOSTON MARKET. An old variety of superior quality; at one time the most popular variety in New England. Of low, spreading habit, forms a number of secondary heads instead of a single large one. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.

EASY BLANCHING. A distinct sort. Very quick and easy to blanch, has exceptional keeping quality. The plant is of medium height, of great vigor, having thick rather than broad stalks, with shallow ribs. The stalks are very brittle and the flavor extremely spicy. Pkt. 10 cts., ½ oz. 20 cts., 1 oz. 35 cts., ¼ lb. \$1.00.

GIANT PASCAL. A green leaved variety which developed from the Golden Self-Blanching. Very solid and crisp, of the finest quality, stringless, tender and of a peculiarly sweet, nutty flavor. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.

GOLDEN SELF-BLANCHING. The most popular variety for market, easily blanched, very attractive, of good quality, though not equal to some of the green celeries.

TRUE FRENCH-GROWN SEED. Pkt. 20 cts., ½ oz. 65 cts., oz. \$1.25, ¼ lb. \$4.00.

AMERICAN-GROWN SEED. Seed plants grown direct from French seed. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.

WHITE PLUME. The earliest and most easily blanched of all varieties, very showy, of good quality. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.

WINTER QUEEN. Of medium height, but stout, thick, and heavy, with a larger amount of heart than most other sorts. Of fine quality, more easily handled than the Giant Pascal, and an excellent keeper. One of the best for late winter use. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.

Celeriac—Turnip Rooted Celery

Sow seed and treat in first stage of growth as directed for celery. Set in rows 2 feet apart and 6 inches apart in the row. As the roots only are used, no banking is necessary. When roots have reached a size of 2 inches in diameter they are ready for use. These are boiled, sliced and eaten with vinegar. To keep through winter, roots should be packed in moist sand or earth.

LARGE SMOOTH PRAGUE. An improved sort with nearly round roots which have but few side roots. Pkt. 10 cts., oz. 25 cts., 2 ozs. 45 cts., ¼ lb. 80 cts.

Chervil Curled

A hardy annual, used for flavoring and garnishing. It is thought by some to exceed even parsley in beauty. Seed should be sown early in the spring and when plants are well-rooted, transplant to one foot apart. The leaves will be ready for use in seven to ten weeks from planting. Pkt. 10 cts., oz. 25 cts., 2 ozs. 45 cts., ¼ lb. 80 cts.



Giant Pascal Celery



EVERYBODY KNOWS ROSS' SEED GROWS



Cucumber

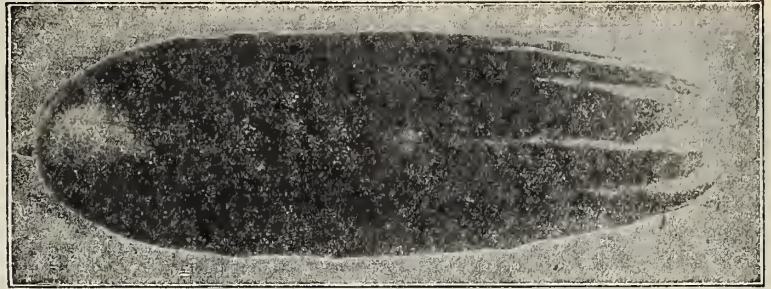
An ounce will plant about 50 hills. $1\frac{1}{2}$ to 2 pounds to the acre

The Cucumber requires well-enriched soil, and should not be planted until settled warm weather, in this latitude, seldom before the middle of May. Plant the early, small kinds in hills $3\frac{1}{2}$ to 4 feet apart, the larger varieties 5 to 6 feet. Make the hills broad, use 15 to 20 seeds to the hill, dropping them well apart. Cover with not over an inch of earth, and firm this well with the hoe. If the young plants are attacked by the striped bugs or other insects, dust frequently with air-slacked lime, soot or ashes mixed with road dust, taking care that too much is not used at one time. When all danger from bugs is past, thin to three plants to the hill. Give frequent shallow cultivation as long as vines will permit

BOSTON PICKLING. For picking this variety is superior to all others. Its fruit is short, pointed at each end, bright green, uniform in size, very productive and of superior quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.35.

CUMBERLAND. A distinct variety of the White Spine type. Vine vigorous, very productive and continuous in bearing, much longer than most sorts. Fruit large, symmetrical, dark green, thickly set with small white spines; of best quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.35.

DAVIS PERFECT. Fruit long, slim, symmetrical, rich dark green, holds color until nearly ripe. Very attractive and of finest quality. One of the best for shipping. Vine especially vigorous and large. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.



Early Fortune

Early Fortune

The most uniform and best colored Cucumber of recent introduction.

The plant is early, very vigorous, with an exceptionally heavy, thick foliage and is almost disease resistant and very productive. Fruits are uniformly nine inches long, slightly tapering toward each end, perfectly round and of a very rich dark green color which does not fade in shipping; flesh very thick, firm and crisp, and with an exceedingly small seed cavity. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

EARLY CLUSTER. Early and productive. Fruit small, dark green, borne in pairs or clusters, largely near the root. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.35.

EARLY RUSSIAN. The earliest and hardiest variety. Fruit 3 to 4 inches long. Vine vigorous and productive. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.35.

EMERALD. Fruit straight, symmetrical and entirely spineless. Color very dark green, which it retains until ripe; of excellent quality, attractive and popular for shipping because it holds color so long. Vine productive; season medium to late. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.35.

EARLY FRAME, or SHORT GREEN. Fruit straight, smaller at the ends, bright green, a little later than the Early Cluster. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.35.

EXTRA LONG, or EVEGREEN WHITE SPINE. A distinct and superior strain of this popular type. Fruit long, cylindrical, dark green, crisp and tender. Vine productive and comes into bearing soon after the Early White Spine. Popular with market gardeners. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

IMPROVED WHITE SPINE. Deservedly the most popular type. Fruit uniformly large, straight and attractive; dark green, lighter at blossom end with a few white spines; flesh tender and of fine flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.



Improved White Spine

JAPANESE CLIMBER. Vine very vigorous with especially strong grasping tendrils. Fruit of good size and quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.35.

LONG GREEN. An old standard variety, very popular for home gardens but little used for market. Fruit very long, slender, very firm and crisp, uniformly dark green; makes fine pickles and is the best of all when ripe for making sweet pickles. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

NICHOL'S MEDIUM GREEN. Fruit thicker than White Spine and full at both ends; light green, attractive and of fine quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.35.

ENGLISH FRAME CUCUMBER—TELEGRAPH. The English forcing cucumbers are seldom grown out-of-doors, but possess special merit for forcing in the greenhouse. The plants grow thrifty and are exceedingly prolific. The fruits of this special strain of "Rollison's Telegraph" measure from eighteen to twenty-four inches in length and individual specimens have been grown which weighed over ten pounds. The long green cylindrical fruits contain only very few seeds. English Frame can be highly recommended to all who wish to grow cucumbers in the greenhouse. Seed very costly and sold only in small packets. Pkt. 25 cts., 5 pkts. for \$1.00.



Davis Perfect



Endive Batavian Broad Leaf

IMPROVED THICK-LEAVED, or CABBAGING. A distinct variety unsurpassed in thickness of leaf and deep green color. It grows compactly, forming a regular upright tuft. **Pkt. 10 cts., ½ oz. 35 cts., 1 oz. 60 cts., ¼ lb. \$2.00.**
CULTIVATED, or FRENCH COMMON. A greatly improved strain of the common Dandelion. **Pkt. 10 cts., ½ oz. 25 cts., 1 oz. 40 cts., ¼ lb. \$1.35.**

Corn Salad, Feticus, or Lamb's Lettuce

A hardy, rapid-growing plant, often used in winter as a substitute for lettuce and is sometimes cooked and used like spinach. It does not thrive in hot weather and if sown in the spring it should be very early and on extremely rich soil. It will then be ready for use in four to six weeks. It, however, succeeds best when sown in August or September. If sown in the former, it will be ready for use in the late fall. If left in the ground during winter, it should, on the approach of cold weather, be protected with straw or litter. **Pkt. 10 cts., oz. 30 cts., 2 ozs. 55 cts., ¼ lb. \$1.00.**

Chicory

WHITLOOP, or FRENCH ENDIVE. Esteemed as a salad plant. Spring-sown seeds produce parsnip-like roots by November. Cut the leaves off 1½ inches from the neck, trench 1½ inches apart, cover with soil 8 inches over crown; then place a 2 or 3 foot layer of fresh manure which induces new growth of blanched leaves folded like Cos Lettuce, which are eaten raw as salad. **Pkt. 10 cts., oz. 30 cts., ½ lb. 85 cts.**

Chives

CHIVES. Are a small, hardy perennial plant resembling onion in appearance and grow in clusters. They are grown for the leaves, which are produced freely from early spring and give a mild onion flavor to sausages, salads and soups. They can be easily grown in pots at a sunny window during the winter. **Pkt. 15 cts., ½ oz. 40 cts., 1 oz. 75 cts.**

Collards

(One oz. for about 3,000 plants)

Collards are very largely used as "greens" in some parts of the country, especially in the South. They are a form of loose-headed cabbage.

GEORGIA. The most satisfactory variety for general use. **Pkt. 10 cts., 1 oz. 25 cts.**

Dandelion

An ounce will sow 200 feet of drill. Two pounds to the acre.

Sow early in the spring in rich soil in drills 15 to 18 inches apart, cover lightly but make the earth firm. Thin to 5 inches apart in row. Cultivate frequently through the summer. Plants ready for cutting the following spring.

Dill

An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties but its largest use is for making Dill pickles. Plant branching, two to three feet high; leaves very much cut into thread-like segments. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.40.**

Endive

An ounce will sow 150 feet of drill, producing from 2,000 to 2,500 plants

Endive, like lettuce, may be grown at any season, but is more generally used in the fall. For early use, sow in April, for later, until July, in drills 18 inches apart, or in beds for transplanting, plants should stand 10 to 12 inches apart in the row. When nearly full grown, tie outer leaves over center to blanch the heart, or blanch with boards as with celery.

MOSS CURLED. Of dense growth and finely curled. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.50.**

LARGE GREEN CURLED. Of larger growth, not so much curled as preceding. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.50.**

BATAVIAN BROAD LEAVED (Escarole). A variety having broad, more or less twisted and waved bright green leaves with thick, nearly white mid-ribs. The inner leaves form a fairly solid, clustering head which blanches a beautiful deep creamy white and is crisp, tender, and of fine flavor. Unsurpassed for salads. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.50.**

Cress, Curled or Pepper Grass

A small pungent salad plant, much liked by some with lettuce. Like all salad plants, it should be grown on rich ground. Seed may be sown early in the spring, but if desired through the summer, repeated sowing will be necessary. **Pkt. 10 cts., oz. 20 cts., 2 oz. 35 cts., ¼ lb. 60 cts.**

Water Cress

WATER CRESS. Hardy plant which can be grown in a pond or along the banks of a running stream. Largely used as a garnish during the winter and early spring months. **Pkt. 10 cts., ½ oz. 35 cts., oz. 60 cts., ¼ lb. \$2.00.**

Egg Plant

An ounce will produce about 1,000 plants

The Egg Plant, like all sub-tropical plants, requires, for both germination of seed and vigorous growth of plant, a high temperature. The seed is slow in germinating, and should be sown about the first of April. When the young plants show two rough leaves, transplant 3 to 4 inches apart, and when settled warm weather comes, set in rich, warm soil, 2½ to 3 feet apart each way.

BLACK PEKIN. An early variety, nearly round, large, smooth, black and glossy. Plants prolific, leaves purplish black. **Pkt. 10 cts., ½ oz. 30 cts., oz. 55 cts.**

NEW YORK IMPROVED (Spineless). The favorite variety. Fruit of largest size, rich purple and finest quality. Plant large, spreading and very productive; foliage light green. **Pkt. 10 cts., ½ oz. 35 cts., oz. 60 cts.**

BLACK BEAUTY. A valuable variety, ready for use two weeks earlier than any other sort. The fruit is thick and of a rich purplish-black color. **Pkt. 10 cts., ½ oz. 35 cts., oz. 60 cts.**



New York Improved Egg Plant



EVERYBODY KNOWS ROSS' SEED GROWS



Kohl Rabi

An ounce will sow about 200 feet of drill

The edible part is the turnip-shaped bulb formed above ground. It is tender and excellent when used before fully grown, combining somewhat the flavors of cabbage and turnip. Seed should be sown in light rich soil as early in spring as possible, in rows one and one-half feet apart and when well established thin to six inches apart in the row. Plantings at intervals of ten days will give a succession until hot weather; when they fail to grow well. Planting may be made the latter part of July for fall use.

EARLY WHITE VIENNA (Extra for forcing).

This variety is extremely early with distinctly small tops. The bulbs are of medium size, very light green or nearly white, and are of best quality for the table if used when about two inches in diameter. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.

EARLY PURPLE VIENNA.

Very early, with small top, the leaf stems being tinged with purple. Bulbs of medium size, purple; flesh white. Desirable of forcing and early outdoor planting. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.

Leek

Leeks require rich soil. Sow early in spring in deep drills, eighteen inches apart, but cover with but one-half inch of soil, thin plants to about eight inches apart and as they grow gradually fill the drill and draw the earth around them as with celery. Or if very tender and white leeks are desired, sow in bed and transplant when plants are six inches high into trenches six or eight inches deep and as they grow gradually fill the trench and later draw the earth around them so that it will be two or three inches above the level.



Leek



Kale, Dwarf Green Curled Scotch

AMERICAN BROAD FLAG. A desirable strong growing, broad leaved leek, hardy and productive. It is a favorite with many market gardeners and is also extensively used for the home garden. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.

GIANT MUSSELBURGH. A very hardy variety of extra-large size; the leaves are fan-shaped, of a dark green color, the edible stem is 6 to 8 inches long and 3 inches in diameter. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.

KALE or BORECOLE

An ounce will produce 2,000 plants

DWARF CURLED SCOTCH. For early use, sow in May and transplant in June, and treat generally as for cabbage. One of the best plants grown for greens. This is a finely curled, low growing variety, the leaves of which when properly cooked, make very palatable greens. The plant is very hardy, the leaves are long and of an attractive bright green color. This sort is also very often used for garnishing. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts.

LETTUCE

An ounce will produce from 3,000 to 4,000 plants

Lettuce thrives on nearly all soils, but because the growth should at all times be rapid to insure crispness and best flavor, the soil should be heavily enriched and well worked before planting. Lettuce being quite hardy, seed may generally be sown as soon as ground can be fitted, as while prolonged or continued freezing will kill the plants, they are but little injured by an ordinary frost. Seed may also be sown in the hotheb in gentle heat, and the plants, if well hardened by having been often exposed to the air, may usually be set in the open ground very soon after the time suggested for sowing seed outdoors.

General Crop, Heading and Loose Leaved Varieties

BELMONT FORCING. This is a plain-leaved variety. It forms a compact head and is, like the Tennisball, almost certain to head, making it a desirable and profitable variety for forcing. Pkt. 10 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$2.50.

BIG BOSTON WHITE SEEDED. Probably the most generally used in cultivation. It is a cabbage head, butter type, medium large, finely shaped, globular, medium light green with slight tinge of brown on margins of outer leaves. It is early and hardy and stands shipping well. The leaf is smooth and practically not blistered or savoyed, with a tendency to a bright sheen. The head itself is brittle, buttery and the interior quite a golden yellow. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.

GREEN-LEAVED BIG BOSTON. A cabbage butter head; medium size; medium green. Is practically the same as Big Boston with no tint of brown and the head is of a whitish green. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.

BLACK-SEEDED TENNISBALL. More extensively grown in New England than any other variety, both for first outdoor crop and for main crop, the medium sized heads being the size most liked by gardeners, while its compact form allows it to be grown more closely together than others. Leaves plain, thick, dark green; blanches to a rich creamy white inside. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.

BLACK-SEEDED SIMPSON. Much larger than the preceding, but not so much curled. Forms a large, loose cluster, of leaves rather than a head; leaves light yellowish green. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.



Lettuce May King



Lettuce—Continued



Black-Seeded Tennisball

ICEBERG. The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which, curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanched. The leaves are always crisp and tender. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

MAY KING. A new, very hardy variety of foreign origin, which owing to its hardiness, earliness and large size for a variety of this class, is coming rapidly into favor here, both for outdoor planting and for forcing. Forms compact heads, nearly, if not quite, as early as White seeded Tennisball. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

NEW YORK MARKET. One of the largest varieties in cultivation. The heads are very solid with but little tendency to run to seed. It blanches itself naturally, is crisp, tender, and of excellent flavor, and always free from bitterness. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

FRIZE HEAD. A large, loose-leaved variety, which has been very popular for home use. Leaves very thin, crimped, bright green tinged with brownish red; sweet, tender and of good flavor, but not equal to Crisp as Ice. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

SALAMANDEE. A large, compact head of good quality. Leaves light green, broad, thick, somewhat crumpled, closely overlapping so that inside they blanch to a creamy white. Withstands heat remarkably. One of the best varieties for midsummer. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

WHITE-SEEDED TENNISBALL, or BOSTON MARKET. An old and popular variety for forcing; heads small and compact. Not suitable for outdoor planting. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

Romaine or Cos Varieties

These are distinct from the ordinary lettuce, and much liked on account of their tender, crisp leaves and delicious flavor. The leaves are long and narrow and need to be tied up when they soon form solid heads and bleach snow white.

EXPRESS COS. A fine dwarf early sort requiring no tying up. **Pkt. 10 cts., ½ oz. 15 cts., oz. 30 cts., ¼ lb. 60 cts.**

PARIS WHITE COS. One of the finest varieties for summer use. **Pkt. 10 cts., ½ oz. 15 cts., 1 oz. 25 cts., ¼ lb. 60 cts.**

TRIANGON COS. Similar to above but grows whiter and matures earlier. **Pkt. 10 cts., ½ oz. 15 cts., 1 oz. 25 cts., ¼ lb. 60 cts.**

MUSTARD

Used mainly for salads but is sometimes boiled for greens. Sow as early as ground can be worked in drills eighteen inches apart and one-half inch deep. If desired throughout the season, successive sowings should be made about every three weeks.

WHITE, or YELLOW. The common variety. The seeds are often used to flavor pickles. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts.**

SOUTHERN GIANT CURLED. Large, light green leaves, much crumpled at the edge. The best for salads. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts.**

BOSTON FINE CURLED. Beautifully curled, excellent for garnishing. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

CRISP AS ICE. A midsummer variety, surpassing all of this class in crispness, tenderness and fine flavor. Forms large solid heads, with leaves crimped and curled, those outside being variegated dark green and bronze, the inner portion blanching to a rich creamy yellow. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

DRUMHEAD, or MALTA. Sometimes called "Chinese" lettuce. A very large, tight-heading variety. Leaves are rather coarse, but very brittle and tender. Is dark green and slightly curled. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

EARLY CURLED SIMPSON. (White-seeded.) An old variety, with broad, often frilled, very curly light green leaves; sweet, tender, of fine flavor. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

EARLY CURLED SILESIA. An old, standard variety, very popular for home gardens. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

GRAND RAPIDS. Without doubt this is one of the easiest varieties of lettuce to grow. It forms no head but produces an abundant crop of pale green leaves, slightly but closely crumpled which have an excellent flavor. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**

HANSON. An old variety of great merit. Forms a large flat, cabbage-like head, very slow to run to seed. The outer leaves are bright green, with veins of lighter shade, inner leaves white, usually curved and twisted at the base. A very attractive variety of excellent quality and extensively grown for home use. **Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.**



Paris White Cos Lettuce



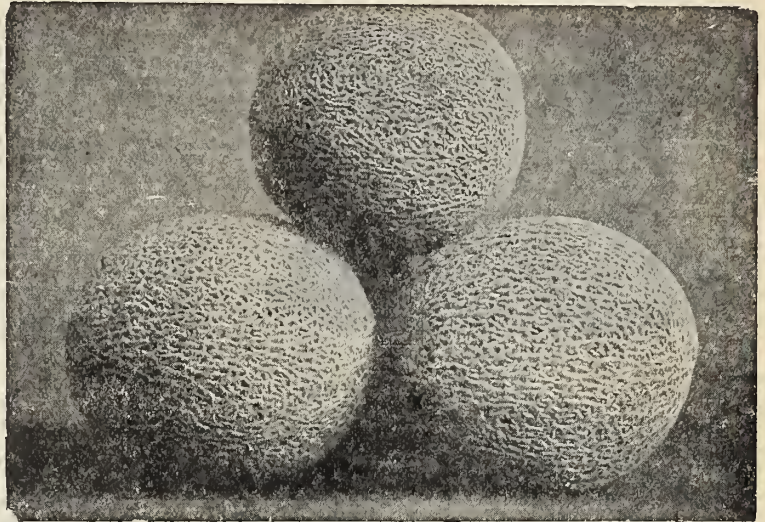
Muskmelon

An ounce will plant about 50 hills. 1½ to 2 pounds are required for an acre.

The Muskmelon succeeds best in warm, rich soil. Plant when all danger of frost is past, in broad hills 4 to 5 feet apart, 10 or more seeds to each hill. Cover with one inch of soil and firm well with the hoe. If young plants are attacked by insects, dust them with air-slacked lime or ashes mixed with twice as much road dust. Use this frequently but sparingly, as a large quantity at one time is liable to injure the plants. When all danger from insects is past, thin to three plants to the hill.

BENDER'S SURPRISE (The Bender Melon)—A very popular variety in the east, particularly around Albany, N. Y. A selection from Surprise and a close kin to Irondequoit, differing from that variety in being more oblong, more full and rounded at the ends, not quite as well netted or as early; skin light greenish-yellow when ripe. A very delicious, large salmon-fleshed melon with superior shipping and keeping qualities. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

BURRELL'S GEM. The melons are six to seven inches long by four and a half to five inches in diameter, rather sharply sloping at the ends. They are quite well ribbed and covered with a fine grayish netting. The skin is a rich dark green, contrasting finely with the deep orange-salmon-colored flesh; sweet and tender. The flesh is thick and firm, ripening close to the skin, leaving only a thin rind. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.



Rocky Ford

EMERALD GEM. Small to medium size; skin deep green, generally smooth; flesh thick, rich salmon, not surpassed in richness and flavor. But few varieties are so nearly certain to produce uniformly good melons. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

EXTRA-EARLY HACKENSACK. Above medium size, nearly round; flesh green, a little coarse but juicy, sweet and of good flavor. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

HONEY DEW. The average size of the melon is six inches in diameter and seven to eight inches in length. The flesh is an emerald green, very thick, melting, and fine grained; can be eaten to the extreme rind. The seed cavity is very small, the rind impervious to water. The melon does not shrink in weight, is not easily bruised, and is a splendid shipper. It is later than Rocky Ford strains and is very prolific. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.50.

IMPROVED GREEN NUTMEG. Large, round, flattened at both ends. Ribbed and covered with coarse netting, flesh thick and of fine flavor. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

MONTREAL NUTMEG. The fruits are of the largest size, often attaining a weight of 15 pounds. Shape nearly round, flattened at the ends. The flesh is about two inches thick, light green, and of a delicious flavor. This variety commands high prices in the Eastern markets during the Fall months. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

OSAGE, or IMPROVED MILLER'S CREAM. Of medium size, oval, dark green, shallow netting; flesh deep salmon, thick, very firm, sweet and of rich flavor. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

PAUL ROSE, or PETOSKEY. The product of crossing the Osage and the Netted Gem. Resembles the latter, but is a little larger, and flesh is rich orange. Very sweet and high flavored. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

ROCKY FORD. More largely grown than any other of the small or basket melons. Oval, slightly ribbed, densely covered with fine netting; flesh green, thick and of rich flavor. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

SURPRISE. Of medium size, oval, lightly ribbed, netted in patches; skin yellowish white; flesh, deep salmon, of good quality; vine hardy, productive and bears early. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

Watermelon

An ounce will plant about 30 hills—4 pounds to the acre

The culture of the Watermelon is mainly the same as recommended for the Muskmelon, hills should, however, be about 10 feet apart.

COLE'S EARLY. Small but very early; of fine quality and sure to mature in any latitude where melons can be grown. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.

HALBERT HONEY. A variety which rivals the Kleckley's Sweet in quality, while the vine is more productive. Fruit of medium size, blunt at both ends, deep glossy green; rind very thin; flesh crimson, entirely free from fibre, rich, sweet and melting. Unsurpassed for home use. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.

HARRIS' EARLIEST. A new extra-early variety, large and of exceptionally fine quality. Slightly oval, mottled in stripes of light and dark green. Flesh bright red. One of the most desirable for planting in the North. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.

IRISH GREY. A long melon, rather large in size and is becoming more popular as a shipping kind. The rind is light green in color; the seeds are white and its eating qualities very fine. Average weight is 25 pounds. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.

KLECKLEY'S SWEET, or MONTE CRISTO. One of the sweetest, above medium size; dark green; rind thin; flesh bright red. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.

MOUNTAIN SWEET. An old favorite, early, productive and of good quality. Fruit long, dark green; flesh scarlet. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.

PEELESS, or ICE CREAM. Of medium size, oval, dark green; flesh scarlet, very sweet. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.

PHINNEY'S EARLY. A standard early variety of medium size, oval marbled light and dark green; flesh pink, sweet and crisp. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.

SWEETHEART. Large, oval, very heavy; rind thin but firm, mottled light and very light green; flesh bright red, tender, melting and sweet. Retains its good qualities for a long time after ripening. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.

TOM WATSON. Produces melons 18 to 24 inches long by 10 or 12 inches in diameter and weighing from 50 to 60 pounds; the dark green rind is tough but thin and easily withstands shipment. The deep red flesh extends to within three-quarters of an inch of the rind, is crisp, melting and of the finest flavor. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.

CITRON. For preserving only. Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 50 cts.



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Yellow Onion Sets

Onion Sets

We do not deliver Onion Sets free; purchaser pays transportation. Onion Sets weigh 1 lb. per quart. For Parcel Post zone rates see inside front cover.

Onion Sets require rich soil and, with the exception of the Egyptian, early planting. Rows should be the same distance apart as suggested for onions grown from seed, and sets should be planted from 2 to 4 inches apart, and only lightly covered with earth, the top of set just below the surface, with any growth it may have made above. Culture same as of onions from seed.

WHITE GLOBE. Lb. 30 cts., 4 lbs. \$1.00, 8 lbs. \$1.75.

YELLOW GLOBE. Lb. 30 cts., 4 lbs. \$1.00, 8 lbs. \$1.75.

EGYPTIAN, or PERENNIAL. (Ready in September.) Lb. 30 cts., 4 lbs. \$1.00, 8 lbs. \$1.75.

Onion

An ounce will sow about 100 feet of drill.
4 to 5 pounds to the acre.

The Onion usually thrives best on old, rich land, but can be profitably grown only on such as has been kept free from weeds. If stable manure is used, it should be either well rotted or plowed into the soil the previous fall. As manure always contains more or less weeds, many large growers use nothing but commercial fertilizer. The soil should be worked until manure or fertilizer is thoroughly mixed with it and the surface made fine and even by raking. Sow as early as ground can be prepared, in rows 12 to 14 inches apart, one-half inch deep and make soil firm. Keep free from weeds, especially at first, for if the weeds once get ahead of the young plants it is almost useless to continue cultivation—the land would better be plowed and replanted with some other crop.

AILS CRAIG. Of mammoth size, larger than the Prize-taker, oval-shaped, pale straw-colored skin; of very mild flavor. One of the best for exhibition on account of its enormous size. In England the most popular large onion. Bulbs have been grown that weighed 2½ pounds. Extra large onions can, however, be obtained only by sowing seed early in the spring in the hotbed and transplanting to the open ground when plants are of sufficient size. Seed from English Prize-winning stock. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25.

SOUTHPORT YELLOW GLOBE. Bulbs nearly spherical, slightly elongated; does not mature quite so early as our selected strain of Yellow Globe Danvers; a little more inclined to grow stiff-necked on some soils or in unfavorable seasons, but when well-grown brings the highest price, especially in New York markets. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 60 cts.

SOUTHPORT RED GLOBE. Identical in form with the preceding; rich deep red, above medium size; an excellent keeper and one of the most attractive of all. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.

SOUTHPORT WHITE GLOBE. Of true globe shape. Later than White Portugal; keeps better and, like all globular varieties, a greater weight can be obtained on the same area. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.

Cultural directions, to be of any value, would be too lengthy to give here, but we will forward full directions for the planting and culture of spawn with each order.

LAMBERT'S PURE CULTURE SPAWN. This will produce Mushrooms of a specific variety, selected with reference to size, color and yield, and eliminates absolutely any danger of poisonous specimens. Standard bricks, weighing from 1 to 1¼ pounds, of the variety most largely cultivated, 40 cts. each. Postpaid, 45 cts. each; 4 bricks, by express, \$1.45.

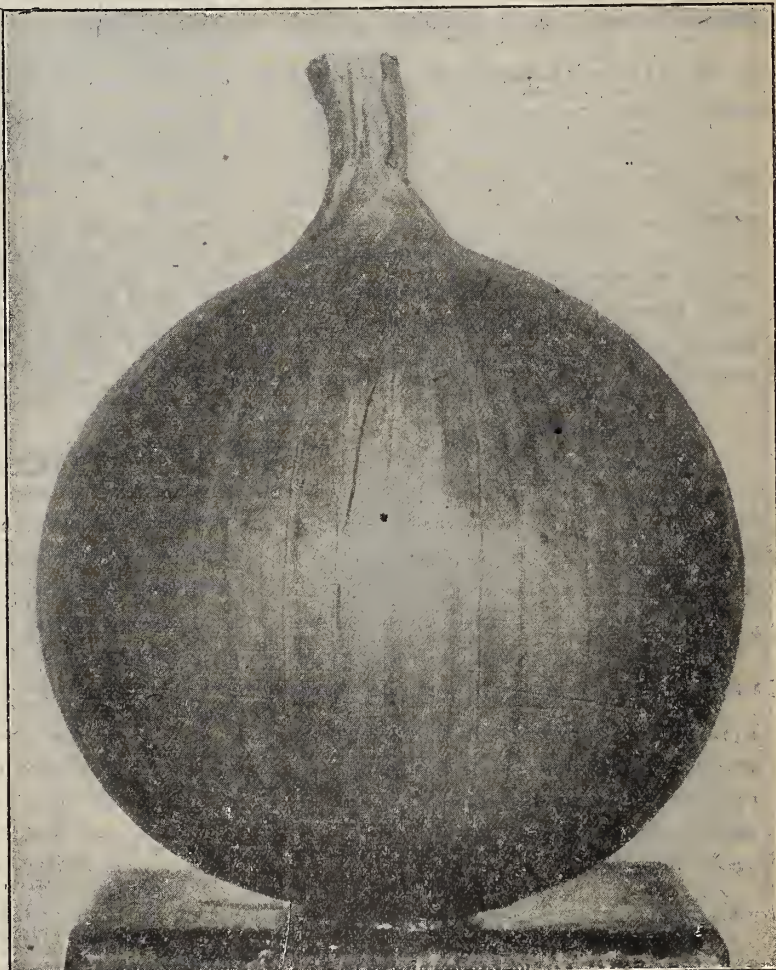
Mushrooms



Mushrooms

Okra or Gumbo

The young seed pods are used in soups or stewed and served like asparagus. Much esteemed in the South. In the North requires an especially warm location and probably best results would be obtained by sowing seed in the hotbed. Set plants in rows two feet or more apart and about a foot apart in the row. The seeds are a long time in germinating. **DWARF GREEN.** Early and productive; best for Northern cultivation. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts. **PERKIN'S MAMMOTH LONG POD.** A dwarf but enormously productive variety. Pods long, slender, deep green and remain tender much longer than most sorts. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts.



Ailsa Craig



EVERYBODY KNOWS ROSS' SEED GROWS



Onion—Continued

YELLOW GLOBE DANVERS. This is an old favorite—the standard variety for winter use in the Eastern markets. It produces well-ripened bulbs, averaging two inches in diameter and nearly globe shaped. The skin is a light golden brown or pale yellow, and the flesh is pure white, crisp, and mild in flavor. The plants have very slender necks, and consequently the bulbs keep well over winter. They ripen up uniformly, which characteristic recommends the variety to market growers. Although not quite so truly globe shaped as the Southport Yellow Globe Onion, they are somewhat earlier. On account of their attractive shape and color and their excellent keeping qualities they always bring a good price in the markets. Selected Strain. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 60 cts., lb. \$2.00.

WHITE PORTUGAL, or SILVERSKIN. An early white, flat, variety, of medium size and mild flavor. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.

EXTRA EARLY RED FLAT. The earliest red variety; of medium size. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.

LARGE RED WETHERSFIELD. The standard red variety. Bulb large, flattened but thick; skin deep purplish red. The best of all for light soils. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 60 cts.

PRIZETAKER. Of the largest size, form nearly globular; skin thin, light straw-color. Quite certain to bottom, but is later in maturing than any of the preceding, and though fine bulbs are often obtained from seed sown in the open ground in favorable locations, the largest and finest bulbs are grown from seed sown in a hotbed and the plants set in the open ground when about six inches high. Pkt. ¼ ct., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 75 cts.

Parsley

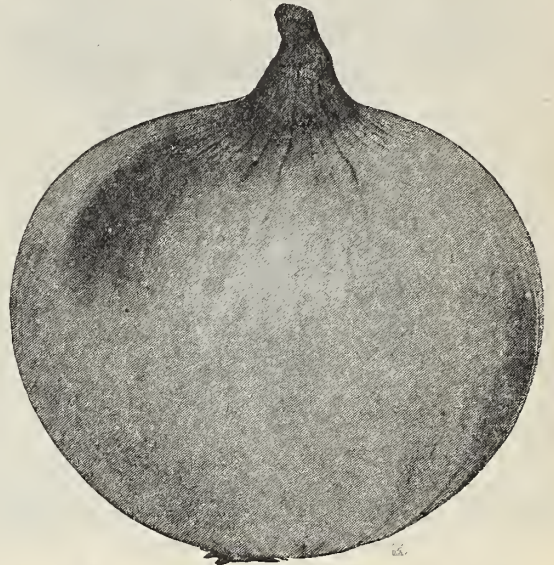
One ounce will sow 100 feet of drill

CULTURE—Parsley thrives in rich, mellow soil and, owing to the very slow germination of seed, succeeds best when seed is sown as early in the spring as ground can be worked. Sow in drills, one-half inch deep, 14 to 16 inches apart, and when well up, thin plants to 8 inches. It may be cut when 3 or 4 inches high, and if soil is of the required richness, will afford several cuttings during the season. The Moss Curled is perhaps slightly more curled, while the Double Curled is claimed by some to be the more productive of leaves and to better withstand dry weather.

CHAMPION MOSS CURLED. This is a prize winning English variety, very distinct. It makes remarkably handsome, compact plants and its leaves have the appearance of finely curled moss. The plant is quite hardy and very slow to run to seed. Pkt. 10 cts., oz. 25 cts., 2 ozs. 40 cts., ¼ lb. 75 cts.

DOUBLE CURLED. Plants compact, very curly and finely cut; bright green color. Pkt. 10 cts., oz. 25 cts., 2 ozs. 40 cts., ¼ lb. 75 cts.

PLAIN LEAF. The leaves of this variety are flat, deeply cut but not curled. Very desirable for flavoring soups and stews and for drying. It is a favorite on account of its very dark green leaves as well as its hardness of plant. The curled sorts are more extensively used for garnishing. Pkt. 10 cts., oz. 20 cts., 2 ozs. 35 cts., ¼ lb. 65 cts.



Yellow Globe Danvers

Parsnip

One ounce will sow 150 feet of drill, 6 pounds are required for an acre

CULTURE—The Parsnip thrives on any soil which is deep, mellow and moderately rich, but best on that which is rather light or sandy. Avoid the use of fresh manure, as, when used, roots are more inclined to be coarse, spongy and ill-shaped. Seed germinates slowly, should be sown fairly early and immediately after ground is prepared—that is, before the soil has become dry. Sow in rows 18 inches apart, cover with one-half inch of soil and make latter firm by rolling or with back of hoe. Thin plants to three inches apart.

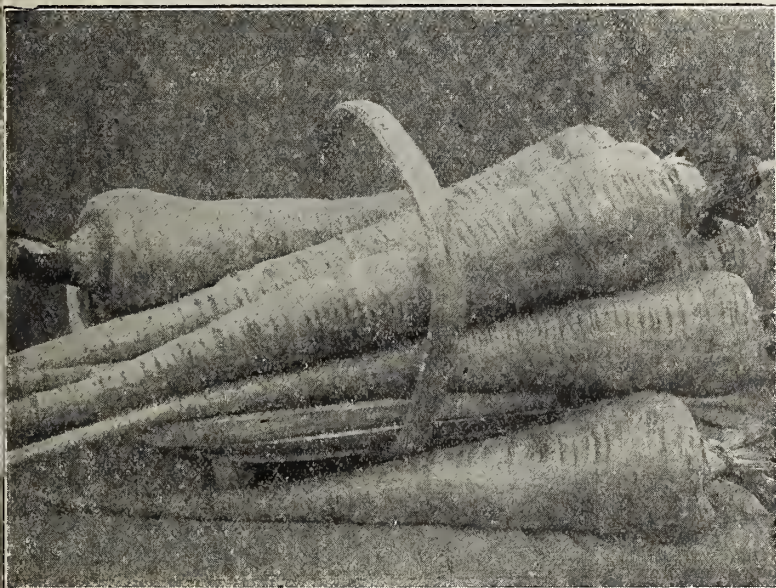
Of each variety we offer a choice selected strain. Each pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts.

ARLINGTON LONG SMOOTH. Roots very long and smooth, with full crown, desirable for deep soil and, owing to the full crown, is less liable to rot if left in the ground through the winter than the Hollow Crown.

HOLLOW CROWN. Roots of medium length, thicker at the top or shoulder than the preceding; succeeds better on shallow or stiff soil; crown slightly depressed; does not, on this account, keep so well in the ground through the winter as the Arlington Long Smooth, but is more easily harvested and more extensively grown.

Peanuts

SPANISH. For a long time this has been the best variety. An early, heavy bearer; bushes growing close, so very easily cultivated. Grains or nuts are smaller, but more sweeter and finer flavored than the larger sorts. Best cleaned seed stock. Pkt. 10 cts., lb. 40 cts., postpaid. By express, 10 lbs. or more, 35 cts. per lb.



Hollow Crown Parsnip



GARDEN PEAS

Of the early smooth varieties, 2 pounds will plant 150 feet of drill. Of the wrinkled sorts, 2 pounds will plant about 100 feet, 70 to 85 pounds an acre.

Peas of the extra early, smooth class are the very first thing to be planted in the garden in the spring. The wrinkled sorts follow a little later, as they are not quite so hardy. The tall, late varieties need brush, wire or some other support. Though light, warm soil is desirable for the extra early varieties, peas generally produce a much larger crop on soil which is moderately heavy. By making the proper selection of varieties and planting frequently for succession one may have a full supply of the choicest green peas during the entire season.

Plant the early and dwarf varieties in drills $2\frac{1}{2}$ feet apart and 3 or 4 inches deep, but cover with but one inch of soil and fill the trench gradually as plants grow. Plant the taller and later varieties in rows 3 to 4 feet apart and 5 to 6 inches deep, covering as already suggested. The tall, late varieties may be planted in double rows, thus using the supports, which may be set between for both rows.

PEAS BY PARCEL POST. The prices here are for Peas at our counter or by express or freight, at customer's expense. If these are wanted in quantities over 1 pound by Parcel Post, remit extra for postage at zone rates. See inside front cover.

Extra Early Dwarf Varieties

SUTTON'S EXCELSIOR. The best of the dwarf varieties. The vine is of more vigorous growth than the Nott's Excelsior, a little taller, fully as productive and matures its crop nearly as early, while both pods and peas are decidedly larger. In quality, equal to any of the dwarf varieties, all of which compare favorably with the larger and later sorts. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

NOTT'S EXCELSIOR. This is one of the standard high-grade Early Peas that have established themselves with gardeners so firmly that many will take no other variety for its season. Its quality is fine, and for a wrinkled Pea it is hardy and thoroughly reliable. It does not require staking and the pods ripen evenly, making it extremely valuable for home and market use. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

EXTRA EARLY BLUE BANTAM. The best first early dwarf wrinkled pea. It is unequalled for combination of extreme earliness, superb quality and unusual productiveness. The dwarf, vigorous vines average fifteen inches in height and carry really enormous crops of large, deep bluish-green pods. The pods measure four to four and one-half inches long and are tightly packed with eight to ten large, deep bluish-green peas. These



Extra-Early Blue Bantam

peas are not only large in size, but of most luscious flavor. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 30 cts. per lb.**

LAXTONIAN. A grand early dwarf Pea. The pods of Laxtonian are very large and are produced on a low-growing, sturdy vine, without support of any kind. Unlike many of its class, Laxtonian fills to the full its ample pods with large, luscious peas. The flavor is just as rich and good as any of the later varieties, which entitles it to a permanent place in every garden. It is ready for use just about a week later than the very early sorts and is incomparably good in quality. It is admirable for private gardens, where its abundant crop, produced so early in the season, is extremely welcome. The plan is only $1\frac{1}{2}$ feet high, branching in habit. Pods and plant are rich, dark green in color, revealing a constitutional strength which enables it to resist the extreme conditions to which Peas are subjected in many sections of the United States. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 30 cts. per lb.**

LITTLE MARVEL. The Little Marvel Pea in size and shape all podded is very similar to the Nott's Excelsior but far more prolific. It is of exceptionally fine quality and enormously productive. The pods of this pea are about 3 to 4 inches long. It should be planted in every garden. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

Extra Early Varieties of Taller Growth

ALASKA. Very early, smooth, blue pea. Popular with canners and market gardeners for a first early sort. Height $2\frac{1}{2}$ feet. Foliage and pods light green; pods $2\frac{1}{2}$ inches long, round, straight and square ended, containing 6 light green peas. Very uniform in maturity. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

GRADUS. A remarkable variety, combining earliness with peas of largest size and best quality. Matures soon after Nott's Excelsior. Vine resembles the Telephone but is only 3 to $3\frac{1}{2}$ feet high on rich land; productive. Pods 4 inches long, straight, slightly curved at end, light green, well filled. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 30 cts. per lb.**

MARKET SURPRISE. This is a smooth seeded sort and, like all of this class, may be planted very early. It is the earliest maturing variety to date, vines growing to a height of about 30 inches, bearing abundantly pods 3 to $3\frac{1}{4}$ inches long, well filled with peas of the finest quality. Every garden, large or small, should give this new sort a trial. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**



Thomas Laxton



PEAS—Continued

PREMIUM GEM. One of the most popular peas of this class in America. Hardy, prolific, and uniform in habit of growth and productiveness, bearing pods single on both sides of the stalk, beginning near the ground. Peas of fine flavor and about a week later than Nott's Excelsior. Pods 2½ inches long, nearly straight, round, well filled to the end. Seed green, wrinkled. Height of the vine 18 inches. Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.

THOMAS LAXTON. Vine of about the same height as the Gradus, of similar habits but much darker, hardier and more productive. More attractive and better filled with peas as large and equal in quality. Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.

ROSS' WORLD'S RECORD. A large, early wrinkled pea with pods 3½ to 4 inches long. The pods are well filled with peas of excellent quality. The vines are vigorous, growing about 36 to 40 inches high. Peas are ready to pick 4 or 5 days before Gradus. A variety which should be in every garden. Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 30 cts. per lb.

Second-Early Medium and Late Varieties

ADVANCER. An old popular second-early sort. Vine about 2½ feet high, vigorous and productive. Pods of medium size, broad, well filled. Peas rather under medium size, but of finest quality. Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.

ADMIRAL DEWEY. A productive variety growing 4 to 6 feet high, pods dark green, larger than those of any other variety and well filled with large peas of unsurpassed quality. Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.

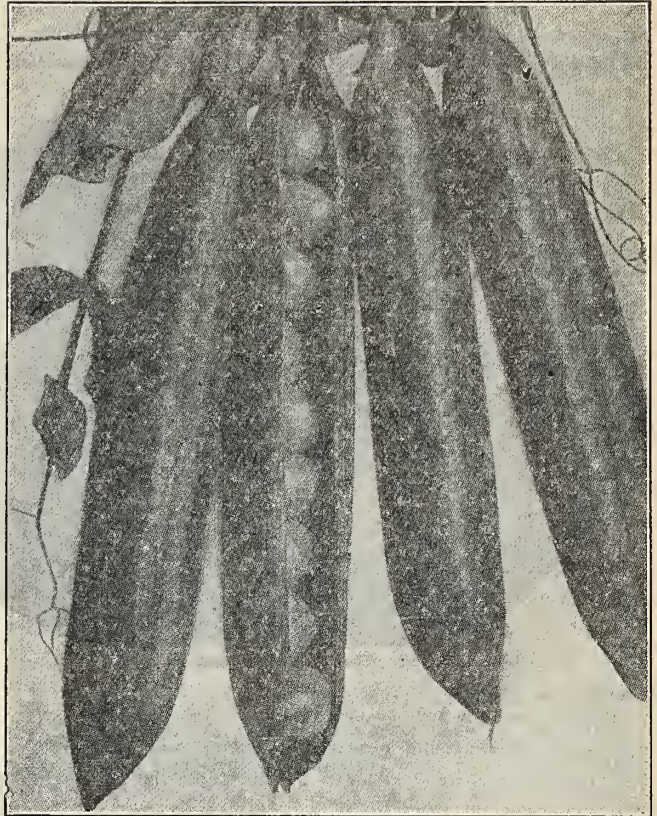
ALDERMAN. This mid-season pea is tall growing, of English origin, and a few days later than the "Improved Telephone." The pods are very large, straight and dark green color. The vines are exceedingly vigorous and immensely prolific; of the best quality. Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.

CHAMPION OF ENGLAND. Vine 4½ to 5 ft. high, productive. Pods 2¾ to 3 inches long, broad, well filled. Peas of medium size, much shriveled, of unsurpassed quality. Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.

DWARF CHAMPION. A variety claimed to be equal in quality to Champion of England. Both peas and pods are considerably larger and vine is only about 2 feet high. Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.

EVERBEARING. An excellent variety of branching habit. Pods about 3 inches long and well filled. Sweet and of fine flavor. Height 3 feet. Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.

IMPROVED STRATAGEM. Vine 24 to 28 inches of vigorous habit, with good culture, productive. Pods 3¾ to 4 inches, broad, attractive, well-filled. Peas extra large and of finest quality. The tendency to sport has in a great measure been overcome in the improved strain which we offer. Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.



Improved Telephone

TELEPHONE. Exceedingly grown. Vine 3½ to 4 feet. On good soil productive. Pods large. Peas above medium size, of best quality. Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.

YORKSHIRE HERO. Vine 26 to 30 inches, stout and branching, hardy and productive. Pods 3 to 3¼ inches long, broad, well-filled, with peas of largest size, mealy, and of the richest flavor. Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.

Peppers

An ounce will produce from 1,500 to 2,000 plants

Sow in hotbed in March or April; transplant in open ground when all danger from frost is over, in rows three feet apart and two feet apart in a row. Seed can be sown outside late in May. Cover seed one-half inch and thin as above.

BELL, or BULL NOSE. Large bell-shaped, thick-fleshed and less pungent than some other sorts. Good for filling. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts., ¼ lb. \$1.75.

CHINESE GIANT. Mammoth fruits measuring 12 to 15 inches in circumference, also early and prolific. The flesh is thick, tender, mild and sweet. Unexcelled for use as salads. Pkt. 10 cts., ½ oz. 40 cts., oz. 75 cts.

GIANT CRIMSON. The first to mature of the extra-large varieties and surpassed by none in evenness of size and shape. The fruit averages heavier than any other large peppers, as the flesh is unusually thick. When matured, the color is deep crimson, flavor very mild. The plant grows upright, is vigorous, larger than the Chinese Giant, and more productive. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

LONG RED CAYENNE. Fruit very slim, pointed, about 4 inches long, and when ripe, bright red. Extremely pungent. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

NEAPOLITAN. A great market variety on account of its earliness and productiveness. Grows about 3½ inches long and is remarkably sweet. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

RED CHILI. Used for making pepper-sauce. Pods bright red, slender, about 2 inches long and very pungent. Requires a long season; seed should be sown early in hotbed. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

RUBY GIANT. A hybrid of Ruby King and Chinese Giant. It combines the large size of the Chinese Giant and the productiveness, shape and color of the Ruby King. The flesh is thick, mild and sweet. Fruit often 5 inches long. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts., ¼ lb. \$1.75.

RUBY KING. Large. Four to six inches long, symmetrical, very mild and sweet. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

SQUASH, or TOMATO SHAPED. Fruit flat or tomato-shaped, and somewhat ribbed, flesh thick and slightly more pungent than other large sorts, early and sure to mature. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

SWEET MOUNTAIN. Fruit very large, often 8 inches long by 2 inches in diameter. Flesh thick, sweet and mild. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

WORLD BEATER. New. Large, smooth, beautiful Peppers. Mild flavor, very early to ripen. Very prolific. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.



Prices of Seed Potatoes are subject to market fluctuations and change without notice.

This applies to both advance and decline.

Quantities under 25 lbs. 10 cts. per lb., 50 lbs. at the 100 lb. rate.



Early Fairmount

EARLY SIX WEEKS. An extra early variety, of good quality, cooking well as soon as it attains marketable size. In size, medium to large; color, light red or rose; form, round oblong, resembling the Ohio and having the speck peculiar to the Ohio type. Keeps well. A good yielder. 25 lbs. \$1.00, 100 lbs. \$3.25, 1,000 lbs. or more \$3.00 per 100 lbs.

EARLY ROSE. The standard early variety; color, red; medium size, not inclined to grow large, but a good seller in any market. 25 lbs. \$1.10, 100 lbs. \$3.50, 1,000 lbs. or more \$3.25 per 100 lbs.

SPAULDING LATE ROSE. A vigorous grower; great yielder, resembling the Early Rose in shape and color. It is fast finding its place as one of the standard late varieties. 25 lbs. \$1.00, 100 lbs. \$3.00, 1,000 lbs. or more \$2.75 per 100 lbs.

NORCROSS. A white-skinned variety which through the result of crossing two early varieties—Early Rose and Beauty of Hebron—matures at about the same time as the Green Mountain and is a worthy rival of that popular variety in productiveness. 25 lbs. \$1.00, 100 lbs. \$3.00, 1,000 lbs. or more \$2.75 per 100 lbs.

CARMEN NO. 3. A handsome, round, white variety of the best quality; large, almost no small tubers. Claimed by the introducer to outyield any potato of its class. Vines large and vigorous, not troubled by bugs or blight as much as those of other sorts. 25 lbs. \$1.00, 100 lbs. \$3.00, 1,000 lbs. or more \$2.75 per 100 lbs.

GREEN MOUNTAIN. A white skinned variety of flat, oval form, smooth and attractive. Ripens slowly and is a good keeper. Quality excellent when well grown. This variety has been growing in popularity and is now the leader of all varieties for general crop. 25 lbs. \$1.00, 100 lbs. \$3.00, 1,000 lbs. or more \$2.75 per 100 lbs.

ROYAL RUSSET. This is a handsome white variety; the tubers are oval shaped, with a light russet skin, very even in outline and with shallow eyes. The blossom shows a distinct purple tinge. 25 lbs. \$1.00, 100 lbs. \$3.00, 1,000 lbs. or more \$2.75 per 100 lbs.

UNCLE SAM. On a loam or sandy soil it is a wonder in yield and quality. The crop averages remarkably regular in size and shape. The tubers are oval shaped, with light russet skin, very even in outline and with shallow eyes. 25 lbs. \$1.00, 100 lbs. \$3.00, 1,000 lbs. or more \$2.75 per 100 lbs.

SEED POTATOES

Eight to ten bushels will plant one acre.

One peck will plant 75 hills.

The seed stock which we offer is grown for us by the most reliable growers in Aroostook County, Maine.

The stock is all carefully selected, free from rot and scab, and carefully packed in burlap bags holding 100 lbs., and the price we quote includes sacks.

Potatoes will be shipped as soon in the Spring as the weather will permit of their being sent in ordinary cars without danger of freezing. Full carloads can be shipped at any time in heater cars.

There is no one thing that we will sell in the line of seeds that is more important to change each season than seed potatoes. As it is impossible to grow just the right quantity of each variety to supply the demand, we urgently request our customers to give us a first and possibly a second choice in case we should be out of varieties ordered, for after the season is well advanced it often happens we are sold out of a great many varieties.

Irish Cobbler

An early, white-skinned variety, very short, thick, inclining to round. This is yearly increasing in popularity for the early market. But few varieties, if any, combine earliness, size and production in as great a degree. The crop is ready for market about ten days earlier than the Early Rose; tubers are uniformly larger and in average production of large crops it is not equaled by any of the extra early varieties nor greatly surpassed in yield by any of the main crop varieties. The vine is very stocky and vigorous, not as liable to be affected with blight or to suffer by drought as most others. No other of the early varieties is as dependable as this and is so certain to produce a crop. 25 lbs. \$1.00, 100 lbs. \$3.25, 1,000 lbs. or more \$3.00 per 100 lbs.

Early Fairmount

An Improved Irish Cobbler

It is an early variety which in shape, color, size and time of ripening is very much like the Irish Cobbler; but the Early Fairmount has outyielded the Cobbler in every case where we have made an inquiry. One market gardener has said of the Early Fairmount: "The extra yield of potatoes would pay for my seed and fertilizer." This is certainly in favor of the new potato.

It is generally known that many of the large Cobbler potatoes have a cavity in the center, but in the Fairmount we have failed to find one with this defect; also the eyes are more shallow, which means less waste in cooking. 25 lbs. \$1.10, 100 lbs. \$3.50, 1,000 lbs. or more \$3.25 per 100 lbs.

GOLD COIN. Productive and of unsurpassed quality. Very uniform in size, never over-large, but few small tubers. Form oblong, rather broad and thick. Skin almost white, with just enough of a light golden tinge to make it distinct from the white-skinned varieties, and having that rich russet appearance generally considered an indication of good quality. Vine of strong, vigorous growth, not easily affected with blight. 25 lbs. \$1.00, 100 lbs. \$3.00, 1,000 lbs. or more \$2.75 per 100 lbs.



Irish Cobbler



EVERYBODY KNOWS ROSS' SEED GROWS



Maine Certified Seed Potatoes

Much attention has been given recently to the development of CERTIFIED SEED, and we can say with all confidence that wonderful strides have been made in the development, through inspection, of strains which are practically disease free. Several experiment stations have proven conclusively that the difference in yield between certified seed and the ordinary stock is more than 100 bushels per acre in favor of the certified potato. We believe that every potato grower should plant enough certified stock to prove this to his own satisfaction this season.

We offer certified stock of the following varieties: Green Mountain and Irish Cobbler. These have been inspected during the growing season, also at the time of harvest, and will be again inspected at the time of shipment, and the Blue tag of the Department of Agriculture of the State of Maine will be placed on every full sack.

MAINE CERTIFIED GREEN MOUNTAIN. 20 lbs. \$1.10; 100 lbs. \$3.25, 1,000 lbs. or more \$3.00 per 100 lbs.

MAINE CERTIFIED IRISH COBBLER. 25 lbs. \$1.15, 100 lbs. \$3.75, 1,000 lbs. or more \$3.50 per 100 lbs.



Photo of Potato Seed Balls— $\frac{1}{2}$ Natural Size

Vermont Certified Green Mountain Seed Potatoes

Dimock Orchard Strain Sixteen Green Mountains

We were fortunate in securing this year a few hundred bushels of Strain Sixteen Green Mountains direct from the Dimock Orchard. The Strain Sixteen has outyielded all other Green Mountains at the test plots at Presque Isle, Maine. It had the only clean score at the Storrs College test in Connecticut, not a diseased hill appearing. Dimock Orchard Strain Sixteen is the safest Green Mountain foundation stock on the market today. Satisfied planters here in Worcester County have proven without doubt the value of the Dimock Orchard Strain.

Bu. \$2.35, 2 bu. bag \$4.50.

Hybridized Potato Seed

From the Seed Balls—Headquarter Stock

It is from these that ALL valuable new varieties of Potatoes are produced. Packet with full directions for growing, 15 cts., 4 for 50 cts., 10 for \$1.00.

PUMPKIN An ounce will plant 12 to 13 hills

SMALL SUGAR. The popular variety in New England for pies; fine-grained and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

LARGE CHEESE, or KENTUCKY FIELD. Shape flat, skin of rich cream color when ripe, flesh tender and of fine quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

MAMMOTH TOWNS. One of the largest in cultivation, good for feeding stock. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

CONNECTICUT FIELD. The standard variety for feeding stock. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

JUMBO, or KING OF THE MAMMOTHS. The largest of all Pumpkins. Skin, orange-salmon; flesh, bright yellow, very thick, fine grained and of excellent quality for pies. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

WINTER LUXURY. Medium size, productive and an excellent keeper. Color of skin, russet; fine netted. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

GOLDEN OBLONG. Pumpkin from 15 to 20 inches long and 8 to 10 inches in diameter, skin rich golden yellow, thin but tough. Flesh light-golden yellow, of fine quality. Keeps nearly as well as the hard-shell squashes. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

QUAKER PIE. Fruits broad, pear-shaped to slightly oval; skin rich cream-buff; flesh fine grained and of rich flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

RADISH

An ounce will sow 100 feet of drill

Radishes are now grown the entire year, and may be sown when desired in hotbeds with moderate heat, either in rows 6 inches apart or broadcast. Soil should be light and rich, preferably new soil and fine rotted turf and commercial fertilizer. Seed may be sown outside very early, as soon as ground can be worked, in rows, 6 to 12 inches apart, as desired, and one-half inch deep. For our own use, we prefer that plants shall be thick, commencing to use roots when twice the size of a large pea and only thinning when plants are so crowded as to prevent the formation of roots of a size suitable for use. Grown in this way and used from the size noted to that of a small marble, roots are tender and crisp and never have the thick skin so generally a feature of those found in our markets.

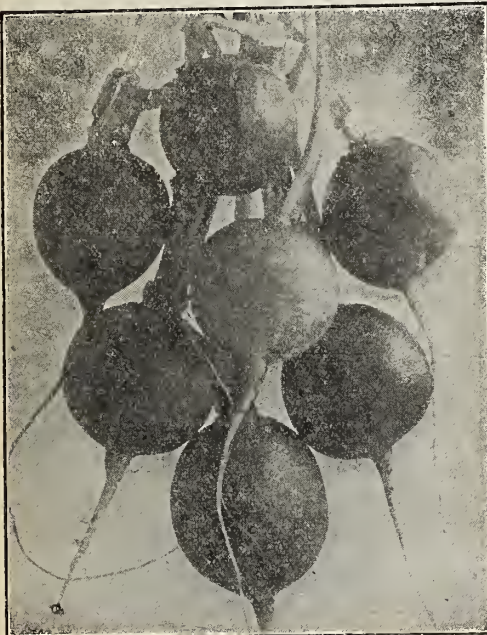
EARLY SCARLET GLOBE. A very early globe-shaped radish suitable for forcing or open ground. The radishes are of handsome shape, attractive bright red, and are crisp, solid and of the finest quality. They grow so rapidly that under favorable circumstances they may be pulled 20 days from sowing the seed. This is the most popular variety for forcing. Our seed is of the very finest strain grown from transplanted roots, and will be found unsurpassed. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

CRIMSON GIANT. An early but large, round or slightly globular radish adapted for either forcing or outdoor cultivation. While it grows much larger than other forcing varieties, it does not become pithy under glass, nor outdoors, even when it is twice as large and older. Beautiful crimson-carmine, attractive and of fine quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

EARLY SCARLET TURNIP. A small round variety, with small tops; quick grower. Popular for forcing and outdoors. Deep scarlet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

EARLY SCARLET TURNIP, WHITE-TIPPED. Root nearly round, slightly flattened at bottom, bright scarlet with tip of clear white, early and attractive; suitable for forcing and outside planting. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

EARLY LONG SCARLET, SHORT-TOP. Once the most popular radish, but has been largely displaced by the round varieties; 6 to 8 inches long, ready to pull in twenty-five to thirty days from sowing. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



Radish, Scarlet Globe



French Breakfast Radish

Radish—Continued

EARLY WHITE GIANT STUTTGART. Root large, clear white, often 4 inches in diameter, does not become pithy until very late. Those not used for summer radish can be stored for winter use. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.

FRENCH BREAKFAST. A stump-rooted radish about 3 inches long. Bright scarlet, tipped white. An old favorite for home garden. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.

LONG BLACK SPANISH WINTER. One of the hardiest and best for winter use. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.

ROUND BLACK SPANISH. White flesh with black skin. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.

WHITE ICICLE. The earliest pure white, long, summer radish of most excellent quality. Roots when matured are 5 to 6 inches long by about ½ inch in diameter. One of the best outdoor summer radishes. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.

WHITE STRASSBURG. A fine summer variety, growing about 4 inches long and 2 inches thick. Pure white. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.

Rhubarb or Pie Plant

An ounce should produce 100 plants

The roots can be raised from seed sown in spring, and are ready to transplant to the permanent bed the next spring. The seed must be sown in fine, rich soil, and the seedlings must have good care.

VICTORIA. The most popular variety, fine for family use and market. Comes quite true from seed. Pkt. 10 cts., oz. 25 cts., ¼ lb. 90 cts.

RHUBARB ROOTS. Sent by express at buyer's expense. 25 cts. and 50 cts. each, according to size of clump.

Salsify or Vegetable Oyster

An ounce will sow 50 feet of drill

Sow early and deeper than parsnip, otherwise culture is the same and, like that, roots, if desired, may be left in the ground through the winter, but should be dug very early in the spring, as they deteriorate after growth commences.

MAMMOTH SANDWICH ISLAND. Larger, of stronger growth, and less liable to grow spongy than the old Long White. Pkt. 10 cts., oz. 25 cts., ¼ lb. 90 cts.

SPINACH

An ounce will sow 50 feet of drill, 14 to 16 pounds to the acre

CULTURE—For spring and summer use sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked, and every two weeks for a succession. For winter and early spring use, sow in September in well-manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich.

EARLY GIANT THICK-LEAVED. Leaves very large and thick, deep green, attaining a size suitable for use early and plant grows to a large size before running to seed. Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. 75 cts.

KING OF DENMARK. Also known as "Antvorskov." This new variety is undoubtedly the most valuable introduction of spinach in recent years. Although the plants are ready for use almost as soon as the medium early sorts, they remain in good condition for a week to two weeks after all other varieties have gone to seed. The plants are of rapid growth, resemble the Long Season in type, but leaves are more crumpled or blistered and are of darker green color. The leaves are thick, stand well after cutting and are of good quality. We believe this variety will in a few years be one of the leading sorts, as its distinctive qualities are sure to win favor for it from both the home and market gardener. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.00.

LONG SEASON. A new variety claimed to surpass all others in its ability to withstand hot weather without running to seed. Leaves very dark green, much crumpled, thick, tender and succulent. Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. 75 cts.

LONG STANDING. A variety which matures early and remains in condition for use longer than most others. Leaves smooth, rich, dark green. Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. 75 cts.

SAVOY-LEAVED, or BLOOMSDALE. The earliest variety and used almost entirely for fall sowing, as it runs quickly to seed in warm weather. Leaves of medium size, dark green, pointed and crimped. Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. 75 cts.

VICTORIA. Leaves large, thick, very dark green, slightly curled in the center. A little later than Long Standing, but surpasses it in the desirable feature of remaining in condition for use for a long time. Especially desirable for spring sowing. Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. 75 cts.

NEW ZEALAND. Thrives during the hottest summer weather in any soil, rich or poor, a single plant covering a space about 4 feet square. The tender tips may be cut every few days; after cutting, the plant puts out new growth and continues till frost. Soak for 24 hours and plant 4 seeds in hills 2 feet apart each way. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts.

If larger quantities, other than listed, are wanted, write for prices.



Early Giant Thick-Leaved Spinach





EVERYBODY KNOWS ROSS SEED GROWS



Squash

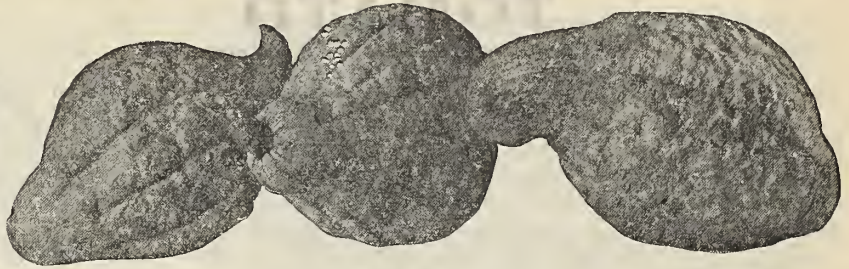
An ounce will plant from 20 to 40 hills

Squash seed should be planted at about the same time and in the same manner as cucumbers and melons. The hills should be 9 feet apart each way, slightly elevated and highly manured. Bush varieties may be planted closer together. Use plenty of seed, as the bugs will destroy some plants.

BLUE HUBBARD. The Symmes Blue Hubbard is an entirely distinct variety resembling the Warted Hubbard in shape. It is a pale light blue color, very thick meated, dry and very sweet; its eating qualities cannot be surpassed. The Blue Hubbard is an exceptionally heavy cropper, producing an extraordinary number of squashes, which, though not of the largest, are of even size, thus making it very easy to handle and market. It has excellent qualities, keeping, with proper storage, much longer than the Delicious. **Pkt. 10 cts., oz. 25 cts., ¼ lb. 90 cts., lb. \$3.50.**

BOSTON MARROW. This grows larger than either the Prolific or Orange Marrow, but is not of so deep color. Skin thin, yellow, with pinkish tint. Desirable for pies; not so dry as the Hubbard. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.40.**

CHICAGO, or WARTED HUBBARD. A selection of the Hubbard, with thickly warted shell. Equal in quality to that and generally considered to be of more attractive appearance. Of this also we offer a carefully selected strain unsurpassed by any we have ever seen. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.**



Blue Hubbard

ESSEX HYBRID. A cross of the Hubbard and Old Turban, partaking somewhat of the features of both. Like the Hubbard, it is hard-shelled. In color it is like the Turban, but greatly improved in form. Flesh thick, solid and of good quality. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.40.**

FAXON. A very desirable variety for the home garden; very productive, of medium size (five or six pounds), fine grained, dry, sweet, a good keeper, uniform in shape, but varied in color. This variation in color is a distinct feature of the squash. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.40.**

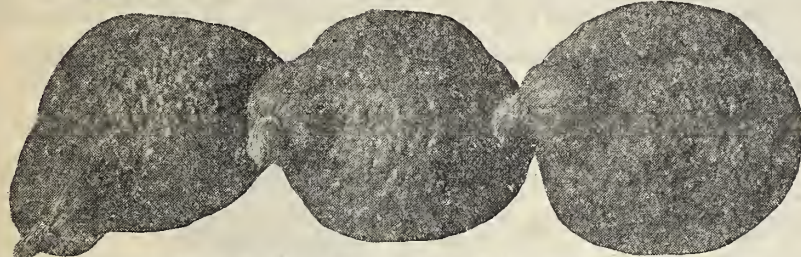
GOLDEN HUBBARD. A distinct sort of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and a rich orange-red instead of the dark olive-green of the old Hubbard, while the flesh, which is thick, is a little deeper colored, of fully as good quality, fine grained and dry. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.**

HUBBARD. A well-known and favorite winter variety, more largely grown than any other. We offer a choice strain, considered by some of our customers to be superior to the popular Chicago Hubbard. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.**

ITALIAN VEGETABLE MARROW. Vines of bush habit, producing large, much elongated fruits. Dark green at first, but becoming marbled with yellow as they mature. The young fruits, when fried in oil, constitute a vegetable delicacy very popular. **Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.**

MAMMOTH CHILI. The largest variety, attaining under high cultivation an enormous size. **Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.**

MAMMOTH SUMMER CROOKNECK. Vine larger and of more vigorous growth than the Summer Crookneck and fruit is twice as large, and deeper colored. Its large size and attractive appearance have made it popular with market gardeners. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.**



Three Green Hubbards Grown by Frederick Midgley & Sons

DELICIOUS. A fall and winter variety. Color, usually dark green, but sometimes lighter in color and mottled; shell, moderately hard but very thin; flesh, thick, very fine grained, sweet and of finest flavor. Even when not quite mature, is in condition for use and of good flavor. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.**

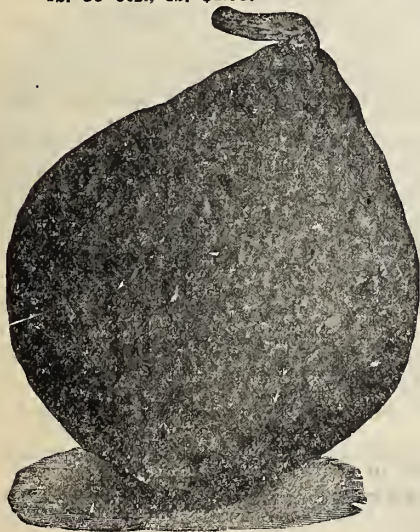
EARLY SUMMER CROOKNECK. For early planting the Crookneck type is used in New England to almost the exclusion of any other. This, while much smaller than the Mammoth Crookneck, is yet largely grown, many considering it of better flavor. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.**

MAMMOTH WHITE BUSH SCALLOP. An improvement on the old variety; larger, pure white and superior in quality. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts.**

ORANGE MARROW. An early variety, much like the Prolific Marrow in color and pitting, but is more nearly round, later much thicker meated and of better quality. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts.**

PROLIFIC MARROW. The earliest fall variety; from a week to ten days earlier than any other Marrow. Color, deep orange, skin considerably pitted. Not so thick-meated as the Orange Marrow, not quite equal in quality, but especially desirable on account of its earliness and also because it is very prolific. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts.**

THE WARREN. Has a shell generally harder and thicker than the Essex Hybrid and the color is a deeper and richer orange, while the quality is decidedly better. The Warren is now grown very extensively by market-gardeners. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.**



Orange Marrow



Delicious



TOMATO

An ounce will produce about 2,000 plants

Tomatoes do best on light, warm, not over-rich soil. Sow in hotbed or window-box (where 60 degrees Fahr. is the minimum night temperature) in March, in rows 3 inches apart and 1/2 inch deep. Cover firmly. Later sowings may be made to the end of April. When seedlings are 3 inches high, transplant 4 inches apart each way in hotbeds, coldframes, or singly in 3-inch pots. Harden plants by exposing to the air occasionally. After warm weather is settled, set out plants 3 to 4 feet apart each way in hills, into each of which fertilizer has been previously mixed. Water freely at time of transplanting and shelter from sun until plants are well established.

ACME. Vine hardy and productive. Fruit in clusters of four or five round, smooth and of good size; flesh solid and of excellent flavor. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

AVON EARLY. This new extra early scarlet fruited variety is the result of several years of careful selection at our Oakview Stock Seed Farm. The fruits are large for so early a variety, round or slightly flattened, deep scarlet red color, smooth, free from cracks and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit for a longer period than the other first early varieties. The vines are vigorous and very productive. We consider this a valuable addition to the list of early tomatoes for the market or home garden. **Pkt. 10 cts., 1/2 oz. 35 cts., oz. 60 cts., 1/4 lb. \$2.00.**

BEAUTY. Vines large, vigorous and heavy bearers; fruit large, uniform in size, very smooth, and excellent flavor; color, purplish pink. The best purple sort. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

BONNY BEST. This tomato has been tested and found eight to ten days earlier than the Chalk's Early Jewel and ripens about with the Earliana. Very strong grower and the fruit is uniform and smooth; ripens evenly all over, excellent shipper. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

CHALK'S EARLY JEWEL. A second or medium early sort. Later than Earliana. Vines vigorous and productive. Fruit solid and without hard core. Color, bright scarlet. A sort having great merit. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

COMET. Fruit medium size scarlet. The heaviest yielder of the green-house sorts. **Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$1.00.**

DWARF CHAMPION. Sometimes sold as the "Tree Tomato." A second early, purplish pink variety, especially desirable where garden space is limited. Vine about two feet high, vigorous, upright and compact. Fruits, medium sized, exceptionally smooth and of very good quality. Our stock is a very superior strain with more even, smoother fruit than the original. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25**

DWARF STONE. Vine dwarf but vigorous and productive. While maturing with the later sorts, the bright red fruits are of good color, exceedingly smooth and very solid. We consider this the best of the large fruited, dwarf tomatoes. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

GOLDEN QUEEN. A very attractive yellow variety. Fruit large, smooth, solid and we think of richer flavor than any of the standard varieties. Should be more largely grown for home use. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts.**

JUNE PINK. An extra early, purplish pink tomato similar to the popular scarlet fruited Earliana in growth of vine, shape and size of fruits and time of maturing. This is a variety of exceptional value to market gardeners who want an early purplish pink tomato, either for home market or to ship; also desirable for planting under glass. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

JOHN BAER. An extra early scarlet fruited variety of superior merit. The vines are very hardy and exceptionally productive. The fruits are the largest of the extra early and are most attractive in color. They are nearly round, smooth, firm and of excellent quality. It is one of the earliest to ripen and it continues to furnish marketable fruits much longer than the other very early varieties. It is a very valuable sort for market gardeners' use. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

LIVINGSTON'S GLOBE. A large, purplish pink, globe-shaped or very nearly round tomato of excellent quality. Vine very vigorous and productive. Fruit rather uneven in size but very smooth and matures a little earlier than most main crop varieties. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

MATCHLESS. A large, smooth, bright red variety of excellent flavor, ripening well to the stem. Used in the East to quite an extent for main crop. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

PONDEROSA. This is one of the largest smooth tomatoes. Color, deep purple. The fruit is exceptionally solid, having but few seeds and is quite free from acid. It is also an ideal variety for shipping. **Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts., 1/4 lb. \$1.50.**

RED PEAR. Fruit bright red, rather small, distinctly pear-shaped; of rich flavor and used largely for preserving. The stock we offer is the true pear-shaped, not the large red plum often sold for it. **Pkt. 10 cts.**

SPARK'S EARLIANA. A deep red tomato. The vines are compact in growth, with short, close-jointed branches. This is an extra early tomato and the best so far produced. Very productive. Fruit fair size and firm. In test it ripened fruit in 108 days from date of sowing seed. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

RED HEAD. An excellent red variety, medium size, very prolific, heavy fruit, ripens with John Baer. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

STONE. Vines vigorous and productive; fruit, large, smooth, deep red in color, and heavy. The best all around variety, where earliness is not important. **Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.**

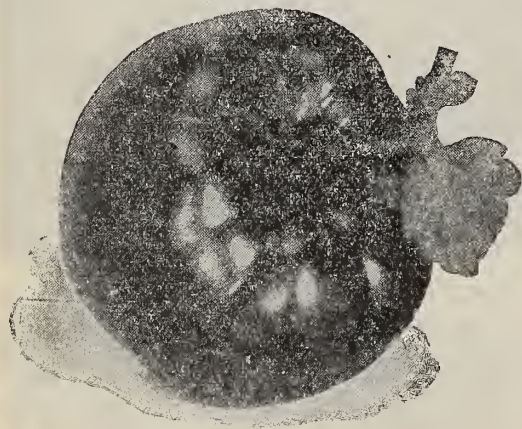
YELLOW PEAR. Identical with Red Pear, except in color. Clear rich yellow. **Pkt. 10 cts.**

YELLOW PLUM. Small, plum-shaped fruit of rich flavor. Desirable for preserving and pickling. **Pkt. 10 cts.**

YELLOW HUSK, or STRAWBERRY. Fruit about the size of a small cherry, borne in husks; of very rich flavor; used only for preserves. Plant also distinct. **Pkt. 10 cts.**



John Baer



Dwarf Stone

EVERYBODY KNOWS ROSS' SEED GROWS

Turnip

An ounce will sow 150 feet of drill. If sown in drills, one pound is required for an acre; if sown broadcast, less seed is sufficient if sown evenly.

CULTURE—For early, sow seed of flat varieties in open ground in spring in drills one foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession, sow every two weeks until June. For fall and winter, sow in July and August. A good crop may often be grown by scattering seed thinly in the cornfield at last cultivation. For Rutabagas, sow seed in seed-bed in spring and transplant to good warm soil, in rows at least 2 feet apart and 3 or 10 inches apart in the rows, or sow in open ground during June and early July. Take up the roots just before winter, top and store in cool cellar, or pit outdoors.

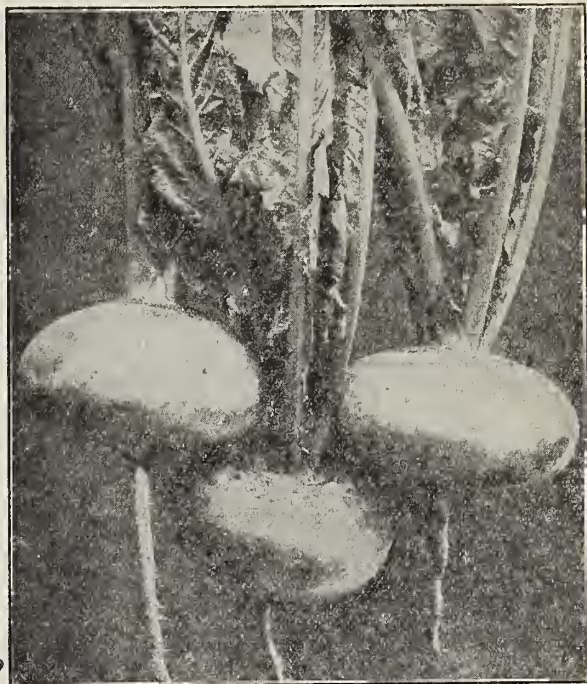
EARLY SNOWBALL. Pure white, round, of medium size. Ready for the table six weeks after planting. Of fine quality. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 75 cts.**

EARLY WHITE MILAN. Roots flat, smooth and symmetrical, pure white. Top very small, upright, and compact, permitting close planting. The earliest and much the best of any extra early white variety. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts.**

EARLY PURPLE MILAN. Differs from the preceding in that the roots are not quite so thick and are purple on top. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts.**

EARLY PURPLE-TOP FLAT. A well-known variety and very extensively grown. Roots smooth, white, with the upper portion purplish red. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 75 cts.**

EARLY PURPLE-TOP WHITE GLOBE. One of the handsomest varieties, the upper portions of the root being a purplish red, the lower pure white. A rapid grower, attaining a marketable size sooner than other large globular varieties. Of the best quality and an excellent keeper. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 75 cts.**



Early Purple Top Flat

WHITE EGG. More extensively grown than any other variety. White, egg-shaped, smooth and symmetrical, of medium size; flesh firm, sweet and mild. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 75 cts.**

GOLDEN BALL, or ORANGE JELLY. Of globular form, medium size, skin rich orange; flesh, pale amber, very fine-grained, mild and sweet. One of the most attractive, of the best quality and keeps well. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 75 cts.**

YELLOW GLOBE. The standard yellow variety. The form is round, slightly flattened. Largely grown for stock, and to some extent for market. An excellent keeper. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 75 cts.**

COW HORN, or LONG WHITE. Root long, slightly crooked and grows nearly half above ground. Clear white, except a little green at top. Though more largely used for feeding stock, it is a fine table variety, being tender and of mild flavor. Of very rapid growth. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 75 cts.**

Swedish, Russian or Rutabaga

SWEET RUSSIAN. An old variety, yet largely grown, mainly for table use. Sweet and mild. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 90 cts.**

WHITE FRENCH, or ROCK. Also an old and popular sort. Roots a little longer than Sweet Russian, but does not otherwise differ. Valuable for table or feeding. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. 90 cts.**

BUDLONG. Originated in Rhode Island by Mr. Budlong, a very extensive grower of Rutabagas. Earlier and more nearly round than other white varieties of this class. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. 90 cts.**

BREADSTONE. An early variety, white, faintly colored at top; medium size, tender, mild and sweet. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. 90 cts.**

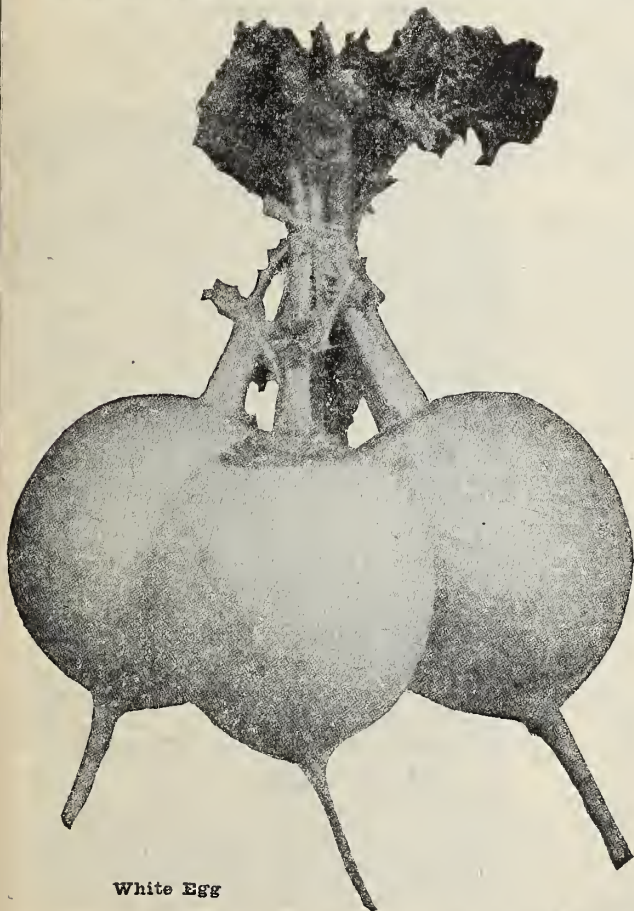
SHAMROCK. A popular English Yellow Swede. A decided favorite with our local trade. Has short neck, shape oblong. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. 90 cts.**

LONG ISLAND IMPROVED. This is undoubtedly the finest variety of Purple-Top Rutabaga. It grows much larger than other American varieties, is, therefore, desirable for stock, but equally desirable for the table and market, as it is tender and sweet and of very attractive appearance. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. 90 cts.**

Tobacco

CONNECTICUT SEED LEAF. A hardy cigar variety, well adapted to growing in the Middle and Northern States. **Pkt. 10 cts., oz. 40 cts.**

HAVANA. Leaf very thin, fine texture. Much used for cigar wrappers. **Pkt. 10 cts., oz. 40 cts.**



White Egg



Selected List of Flower Seeds

Though some seeds need special treatment, the following general directions for outdoor culture apply to all. Make the soil fine and even by digging and raking. Though seeds should not be sown nor ground worked when it is wet and soggy moisture is essential to the successful germination of seeds; therefore, sow only on freshly worked soil. Sow in rows that the young plants can be easily seen, and each lot of seeds at a uniform depth, which should generally be four to six times the diameter of the seed. Make the soil over the seeds firm. This is very important, as it prevents, to a great degree, the escape of moisture. If weather following is hot and dry, it may be necessary to water. Water thoroughly; and, once commenced, regularly or not at all.

Some plants do not bear transplanting well, so seeds should be sown where plants are to remain. Seeds of most plants may, however, be sown in beds and the young plants transplanted, if desired. Transplanting is, of course, more easily done in rainy weather, but, if necessary, can be safely done in hot, dry weather by giving the soil a good soaking and then shading the plants for a few days. Give frequent but shallow cultivation. Shallow cultivation conserves moisture by converting the top soil into a fine mulch.

HOW TO ORDER

When ordering, always give catalogue variety number; and, while it is not necessary to give name, it often serves to indicate more fully what the customer desires, as in the event of the number and name differing, we always send the variety indicated by the name as probably the one desired. All flower seeds mailed free on receipt of price quoted.

Plants are usually divided into three classes—Annuals, Biennials and Perennials. Annuals are plants which normally live but a single season. Biennials are plants living two years, particularly those which do not bear flowers and fruit until the second season. Perennials tend to live from year to year. Half-hardy Biennials and Perennials require winter protection of plants. Sow part of your seed early and make frequent sowings, so that when the soil becomes warm and mellow you will be ready to set out strong, well-developed plants, neither too young nor too old.



Aster, Heart of France

American Branching

A superior late-blooming strain of American origin. The flowers are of the largest size, borne on long, graceful stems, often 15 or more inches in length, are exceedingly beautiful and unsurpassed for cutting. The plants are of extra large and strong growth, and bloom profusely; 2½ feet.

Extensively used by many florists.

108 White. 109 Pink. 110 Lavender. 111 Crimson. 112 Purple. Each, pkt. 10 cts., ½ oz. 40 cts., ¼ oz. 75 cts., oz. \$2.75.

116 Mixed Colors. Pkt. 10 cts., ½ oz. 40 cts., ¼ oz. 75 cts., oz. \$2.75.

The Rochester

The plants of Rochester Asters, like those of the Late Branching variety, are large and strong, with many long branches. Their flowers have, in common with others of the Comet type, petals that are very long and narrow and gracefully recurved, giving them a lightness and grace that make them the most artistic of all Asters. The immense size of these flowers—they are the largest Asters now in cultivation—their artistic beauty, delicacy of coloring and freedom of bloom, make the Rochester, in our estimation, the superior of any Aster of its class heretofore offered to the public. Shell Pink and Lavender. Each, Pkt. 15 cts., 1/16 oz. 50 cts., ¼ oz. 90 cts.

Asters One of the very best Annuals for cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom freely in September and October. For July and August flowers, sow in March or April in coldframe, spent hotbed, or in pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and when the plants have three or four leaves transplant about 18 inches apart each way into well prepared beds. Manure too fresh or used in too large quantities sometimes induce disease in Asters. When used, they should be thoroughly well decayed and mixed with the soil.

Heart of France

The best pure red Aster ever introduced. All others have sombre shades of blue or too much yellow in the color pigments. Heart of France opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft, warm, velvety texture. In any light, natural or artificial, Heart of France is startling beautiful and will command instant admiration. Pkt. 15 cts., 1/16 oz. 50 cts., ¼ oz. 90 cts.

Peerless Yellow

Without doubt the most satisfactory yellow yet produced. While not as striking as its more brilliantly colored cousins, its delicate hue of pure sulphur yellow endears it at once to every true lover of beauty. The flowers are large and remarkably full and ball shaped, with centers deeply covered with curled and twisted florets.

The plants are of branching type and very vigorous. It is not unusual to find a plant with from twenty to thirty good flowering stems sufficiently long and with flowers of ample size for extra fancy cut flower purposes. So numerous and large are the flowers that the plants are completely covered like a golden dome. In a bed the plants will easily fill two foot rows. In a border a single row is ample. It is certainly a winner in its class and color. Crop failed.

Pink Enchantress

This splendid Aster, introduced recently, is highly commended, and large quantities are grown annually by commercial florists. The immense flowers of a soft, delicate pink, are borne on strong, upright plants. The color is that of the popular "Pink Enchantress" Carnation. In Asters, the color is between that of Daybreak and the Semple's Pink Branching and, although very delicate, does not fade. In size the flowers are equal to those of the largest Branching Asters. Pkt. 10 cts., ½ oz. 60 cts., ¼ oz. \$1.10.

Vick's Silvery Pink

Since this variety was introduced, its popularity has increased enormously. The color is a deep glowing pink with a distinct silvery sheen caused by minute, almost indistinguishable white lines running lengthwise of the petals. The effect is indescribably beautiful. We had an excellent crop of this extremely popular kind this year. Per pkt. 20 cts., 2 for 35 cts.

Royal Asters

This is considered by many to be the very best general purpose Aster ever introduced. It is very much like our American Branching variety, having all its good qualities, but coming into bloom in July or early August and lasting in perfect condition for a long time. The habit of the plants and their free flowering make them very desirable for beds or borders and the long stemmed flowers are ideal for cutting. 26 Shell Pink, 28 White, 29 Lavender, 31 Mixed Colors. Pkt. 10 cts., ¼ oz. 60 cts.



EVERYBODY KNOWS ROSS' SEED GROWS



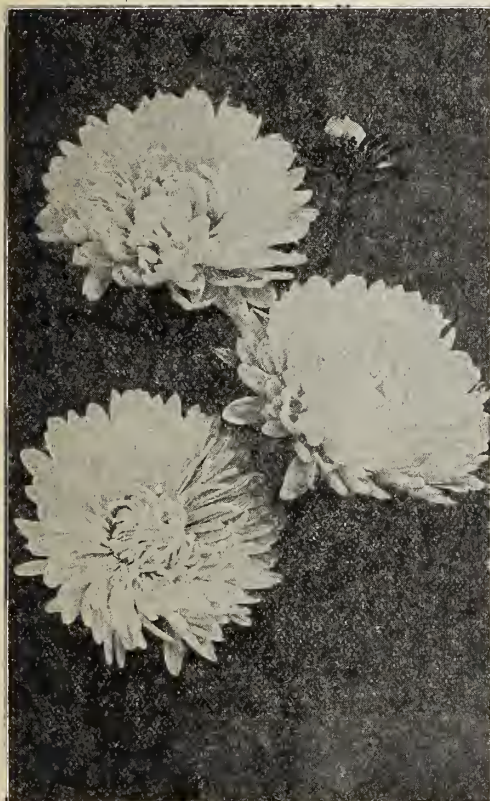
ASTERS—(Continued)

QUEEN OF THE MARKET. A very early blooming strain, which, though plant is only 1½ feet high, bears from ten to fifteen well-formed, medium-sized flowers on long stems. Much used by florists.

- 4 White. 5 Rose. 6 Light Blue. 7 Pink. 8 Crimson. 9 Mixed Colors. Each, Pkt. 10 cts., ½ oz. 40 cts.
- 20 **DAYBREAK.** Flowers very large and full, and borne on long stems, color a beautiful shell-pink. The plant blooms early and profusely, and is of a strong and compact habit. Very popular; 2 feet. Pkt. 10 cts., ½ oz. 50 cts.
- 21 **PURITY.** Pure white. A desirable companion to daybreak. Identical in form of flower and general habit. Blooms at the same time. Pkt. 10 cts., ½ oz. 50 cts.
- 23 **LAVENDER DAYBREAK.** Soft, clear lavender. Of same type as Purity and Daybreak. Pkt. 10 cts., ½ oz. 50 cts.
- ROYAL.** Very much like our American Branching, but earlier, blooming in July or early August.
- 26 **Shell Pink. 28 White. 29 Lavender. 31 Mixed Colors.** Pkt. 10 cts., ½ oz. 60 cts.
- VICTORIA.** Considered for a long time one of the finest types and improved in recent year. The flowers are large, double, imbricated, having petals which curve outward like those of the show dahlias. Bears freely, beautiful long-stemmed flowers.
- 62 **Mixed Colors.** A superb mixture. Pkt. 10 cts., ½ oz. 40 cts.
- GIANT BRANCHING COMET.** Distinct and valuable; flowers resemble the Japanese chrysanthemum. Not only larger, but petals are longer and somewhat broader than the old Comet section. The plant is of vigorous, luxuriant growth and produces freely its long-stemmed, graceful flowers; 1½ to 2 feet.
- 70 **White. 71 Light Yellow. 73 Rose. 74 Lavender. 75 Crimson. 76 Shell Pink.** Each, pkt. 10 cts., ½ oz. 40 cts.
- 80 **Mixed Colors.** Many colors and shades. Pkt. 10 cts., ½ oz. 40 cts.



American Branching



Giant Branching Asters

- 81 **MIKADO PINK.** In type, Mikado Pink belongs to the Comet class. Petals are narrow, very long and gracefully reflexed. In color it is a most exquisite shade of shell-pink. Strong-growing, free-branching, long-stemmed plants. In growth these plants are unusually vigorous for their type. It is not uncommon to find plants with a dozen long, strong, graceful stems, each crowned with flowers from 4½ to 6 inches in diameter. Pkt. 15 cts., ½ oz. 50 cts.
- 82 **MIKADO WHITE.** Similar in every respect to Mikado Pink, except color, the flowers having the same deep, fluffy form and the plant the branching habit ascribed to the above. Blooms at the same season. Each is the best of its color in the Comet class. Pkt. 15 cts., ½ oz. 50 cts.
- 83 **MIKADO ROSE.** Pkt. 15 cts., ½ oz. 50 cts.
- 104 **LAVENDER GEM.** Of the Ostrich Feather type. Flowers large and remarkably free from single and semi-double specimens. The feathery effect is increased in a large proportion of the flowers by long, partly tubular florets, irregularly cut and slashed. The color is an exquisite shade of lavender, which deepens with age. The plant branches close to the ground and blooms profusely and very early; 2 feet. Pkt. 10 cts., ½ oz. 60 cts.
- AMERICAN BRANCHING.** A superior late-blooming strain of American origin. The flowers are of the largest size, borne on long, graceful stems, often 15 or more inches in length, are exceedingly beautiful and unsurpassed for cutting. The plants are of extra large and strong growth, and bloom profusely; 2½ feet.
- 108 **White. 109 Pink. 110 Lavender. 111 Crimson. 112 Purple.** Each, pkt. 10 cts., ½ oz. 40 cts., ¼ oz. 75 cts., oz. \$2.75.
- 116 **Mixed Colors.** Pkt. 10 cts., ½ oz. 40 cts., ¼ oz. 75 cts., oz. \$2.75.
- 117 **VIOLET KING.** In habit similar to the American Branching. The flowers are entirely distinct from any other, petals somewhat resemble those of the quilled sorts, but are much larger, those of the center being curiously twisted, curled and incurved, completely covering the crown. In shape and size, round, full, and very large, often 4 and 5 inches in diameter; color, soft violet lilac. Pkt. 10 cts., ½ oz. 50 cts.
- SEMPLER'S BRANCHING.** The plants of this Early Branching Aster attain the size and vigor of the famous American Branching, but bloom from 10 days to 2 weeks earlier. Extra large, perfectly formed flowers on long, stiff stems make them especially desirable for cutting, for exhibitions or for sale.
- 118 **Lavender. 119 White. 120 Shell Pink. 121 Crimson. 122 Mixed.** Each, pkt. 10 cts., ½ oz. 40 cts., ¼ oz. 75 cts.
- 124 **WORCESTER MIXTURE.** Our own mixture of the leading choice varieties includes every color and shade known among Asters, and will afford, especially if purchased in bulk, the greatest discovery of both colors and types. Purchaser of a single packet may be certain of securing a choice collection of desirable varieties. Pkt. 10 cts., ½ oz. 40 cts., ¼ oz. 75 cts., oz. \$2.75.



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Asters—Continued

125 **GOOD MIXED.** Our own mixture of many varieties; a wide range of colors. Pkt. 10 cts., ¼ oz. 30 cts., ¼ oz. 50 cts., oz. \$1.75.

ASTERMUM. A strain of Giant Comet Asters which, on account of their immense size and Chrysanthemum-like appearance, have appropriately been named Aster-mums. The plants grow about 2 feet high with long, strong stems and should come into bloom about the middle of August.

126 White. 127 Pink. 128 Lavender. Pkt. 15 cts.

Abronia

A beautiful little trailing plant, bearing freely in the autumn months verberna-like fragrant flowers. Sow in the house and transplant, or very early in the open ground. Hardy annual.

131 **UMBELLATA.** Rose, white eye. Pkt. 5 cts.

Achillea

135 **PTAEMICA, The Pearl.** One of the best white, hardy perennials, bearing profusely and continuously from June until frost, beautiful small, white, double flowers; useful for cutting. Easily grown from seed, desirable and often used in cemeteries. 2 feet. Pkt. 15 cts.

Acroclinium

Everlasting Flower

A half-hardy annual, bearing attractive white and rose-colored single and double flowers chiefly used when dried for winter bouquets and wreaths; for this purpose, flowers should be cut before fully expanded. 1¼ ft.

139 Light Rose and Pure White, Mixed. Pkt. 5 cts.

Adlumia

140 **CIRRHOSA.** (Mountain Fringe; Allegheny Vine.) A beautiful hardy, climbing biennial, which usually self-sows. The feathery foliage resembles that of the maiden-hair fern. Of rapid growth and produces, in great profusion, small, tube-shaped pink blossoms. Of the easiest culture. Desirable for covering trellises, stumps, etc. 10 to 15 feet. Pkt. 10 cts.

Adonis

Hardy, free-flowering plants, bearing showy, attractive flowers, and requiring little care. Seed should be sown in the open ground in the Autumn, or started early in March.

144 **AESTIVALIS.** (Flos Adonis; Pheasant's Eye.) Hardy annual bearing intense, blood-red flowers, which, in contrast with the finely cut, dark green foliage, give the plant a very striking appearance. 1 foot. July and August. Pkt. 5 cts.

145 **VERNALIS.** (Ox-Eye.) Hardy perennial, blooming early in spring; when once established, may be easily increased by division. Flowers large, yellow. 18 inches. May and June. Pkt. 5 cts.

Ageratum

One of the best hardy annuals for summer bedding flowers. Easily grown from seed, which should be sown in the house, as it lengthens the time of blooming which continues until frost. Its season, however, compares favorably in length with other annuals when seed is sown in the open ground. Set the dwarf kind 10 inches apart, and they soon make a mass of color.

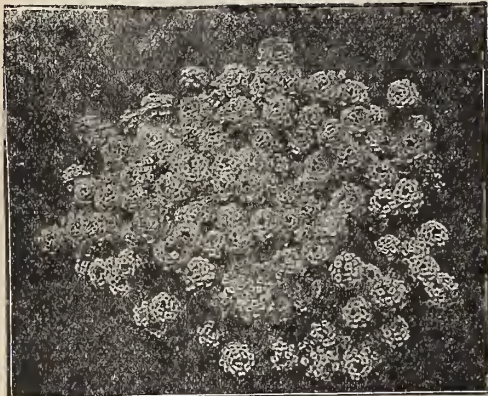
148 **MEXICANUM.** Blue. 1½ feet. Pkt. 5 cts., ¼ oz. 25 cts., oz. 75 cts.

149 **MEXICAN ALBUM.** White, 1½ feet. Pkt. 5 cts., ¼ oz. 25 cts., oz. 75 cts.

150 **IMPERIAL DWARF WHITE.** 8 inches. Pkt. 5 cts., ¼ oz. 25 cts., oz. 75 cts.

151 **LITTLE DORRIT.** Azure-blue. 8 inches. Pkt. 5 cts., ¼ oz. 25 cts., oz. 75 cts.

152 **IMPERIAL DWARF BLUE.** 8 inches. Pkt. 5 cts., ¼ oz. 25 cts., oz. 75 cts.



Sweet Alyssum, Fine for Edging

153 **LITTLE BLUE STAR.** A miniature variety with beautiful mauve flowers. 5 inches. Pkt. 10 cts.

154 **BLUE PERFECTION.** Large heads of Amethyst-blue flowers; plant of very even growth, about 8 inches high. Pkt. 10 cts., ¼ oz. 25 cts.

158 **MIXED COLORS.** All varieties mixed. Pkt. 5 cts., ¼ oz. 25 cts., oz. 45 cts.

Agrostemma

Pretty, free-blooming plants of easy culture, especially desirable for dry situations. Excellent for cutting.

160 **COEL-ROSA.** (Rose of Heaven.) Rose, white center. Hardy annual. 1½ feet. Pkt. 5 cts.

161 **CORONARIA.** (Rose Champion.) One of the earliest hardy perennials. 1½ feet. Mixed colors. Pkt. 5 cts.

Alyssum

A well-known favorite, hardy annual, blooming profusely the entire season. Excellent for edging. No other white flower is so well adapted for a dense, low carpet, or as borders and ribbons in garden work. Extremely fragrant and frequently used for bouquets. Of easy culture. Sure to make a good display. Sow seed early in April.

166 **SWEET ALYSSUM.** Fragrant, white, 1 foot. Pkt. 5 cts., ¼ oz. 20 cts., oz. 60 cts.

167 **LITTLE GEM.** Of spreading habit, forming compact masses of bloom often a foot or more in diameter. White, fragrant, 6 inches. Pkt. 5 cts., ¼ oz. 25 cts., oz. 75 cts.

168 **CARPET OF SNOW.** Of very dwarf habit; white, fragrant, 4 inches. Pkt. 5 cts., ¼ oz. 30 cts., ½ oz. 50 cts.

170 **SAXATILE COMPACTUM.** Hardy perennial, bearing in great profusion in early spring golden yellow flowers. Desirable for rock work or for massing. 1 foot. Pkt. 10 cts., ½ oz. 25 cts.

171 **LITTLE DORRIT.** Little bushes fairly smothered with miniature white flowers. A gem for edging and beds 4 inches high. Pkt. 10 cts., ¼ oz. 35 cts., oz. \$1.25.

Amaranthus

Brilliantly colored foliage, and bearing peculiarly formed flowers. While in rich soil the plants and leaves are much larger, the colors are seldom as brilliant as when grown on rather poor soil. Of easiest culture. Give plenty of room to develop.

175 **CAUDATUS.** (Love - Lies - Bleeding.) Long, drooping flower, blood red. Half-hardy annual. 2 feet. Pkt. 5 cts.

176 **CRUENTUS.** (Prince's Feather.) Spikes of dark red flowers, half-hardy annual. 3 feet. Pkt. 5 cts.

178 **TRICOLOR SPLENDENS.** (Joseph's Coat.) Red, yellow and green foliage. One of the most beautiful of ornamental-leaved plants. Hardy annual. 2 feet. Pkt. 5 cts.

Ampelopsis

182 **VEITCHII.** (Boston Ivy; Japan Ivy.) The well-known popular climbing vine, so often seen on walls of churches, schoolhouses, etc. Grows rapidly and clings to the smoothest surface. Ornamental the entire season, the dark green glossy leaves changing in the autumn to beautiful shades of scarlet, crimson and orange. Easily grown from seed. Entirely hardy except in the far North. Stands the dust and smoke of cities exceedingly well. Pkt. 10 cts., ¼ oz. 15 cts., oz. 50 cts.

Anchusa

H. P. Flowers borne on spikes of a variety of blue shades. Useful in shrubby and perennial gardens.

185 **CAFENSIS.** (Cape Forget-me-not.) Attractive annual with azure blue flowers. 1½ feet. Pkt. 10 cts.

186 **DEOPMORE VARIETY.** The bright blue Forget-Me-Not-like flowers are borne on graceful stems during the entire season and way late into the Fall. It is a great improvement over the existing varieties. Hardy perennial. 4 to 5 feet. Pkt. 15 cts., ¼ oz. 50 cts.

Anemone

A very popular hardy garden perennial.

188 **CORONARIA.** Single, mixed colors. The well-known Poppy flowered, Anemone. 1 foot. Pkt. 5 cts.

189 **CORONARIA, ST. BRIGID.** An improved strain, bearing large and more brilliant flowers, and remaining in bloom longer. 1 foot. Pkt. 10 cts.

Anthemis

(Hardy Golden Marguerite)

A beautiful, hardy perennial of easy culture, bearing all summer, golden yellow daisy-like flowers, excellent for cutting. Plants bushy and should stand at least 2 feet apart. Height 2 feet.

190 **KELWAYI.** Pkt. 5 cts., ½ oz. 15 cts., ¼ oz. 25 cts.

Antirrhinum

(Snapdragon)

One of the most beautiful and useful bedding plants, blooming profusely throughout the summer. Fine for cutting.

191 **SILVER PINK.** A splendid commercial variety, long-stemmed, large flowered, delicate rosy pink, seemingly covered with a silver sheen. Pkt. 25 cts.

192 **VENUS.** A bright pink on white ground, set off by pure white throat. Pkt. 10 cts., ½ oz. 35 cts.

Tall Varieties. 193 Rose. 194 Crimson. 195 White. 196 Yellow. 197 Mixed. Pkt. 5 cts., ½ oz. 15 cts., oz. \$1.00.

198 **Grandiflora.** Giant varieties. Mixed, pkt. 10 cts., ¼ oz. 35 cts.

199 **Dwarf Varieties.** Mixed colors. Pkt. 10 cts., ¼ oz. 35 cts.

EVERYBODY KNOWS ROSS' SEED GROWS

Aquilegia (Columbine)

Beautiful free flowering hardy perennials, blooming throughout the spring and early summer. Of easy cultivation and will thrive in partial shade; 1 to 3 feet.

- 200 **Single Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.
 202 **Double Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts., $\frac{1}{4}$ oz. 50 cts.
 203 **COERULEA.** (Rock Mountain Columbine.) Splendid, large, light blue. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.
 204 **COERULEA HYBRIDA** pl. fl. Long spurred, flowering hybrids in fine colors. Pkt. 25 cts.

Arabis

- 209 **ALPINA.** (Rock Cress.) A pretty little hardy perennial, thriving in dry soil, and one of the earliest to bloom. Flowers white and deliciously fragrant; resembles Sweet Alyssum. The plant is covered with bloom and is excellent for rockwork and edgings; 6 inches. Pkt. 10 cts.

Arctotis

- 210 **GRANDIS.** (African Lilac Daisy.) A beautiful annual from Africa, of luxuriant branching growth, bearing freely from July until frost, large, long stemmed, daisy-like flowers about 3 inches across, pure white on upper surface, reverse side of pale lilac. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 50 cts.

Aristolochia

- 215 **SIPHO.** (Dutchman's Pipe.) A hardy perennial vine of rapid growth with large, glossy heart-shaped leaves, bearing curious yellowish-brown blossoms, somewhat resembling a pipe; 15 to 20 feet. Pkt. 15 cts.

Asparagus

- 216 **PLUMOUS NANUS.** Beautiful house plants; the feathery foliage is unrivaled for cutting. Pkt. 25 cts., 100 seeds \$1.00.
 217 **SPRENGERI.** Excellent plants for table decorations. Pkt. 15 cts.

Asperula

- 220 **ODOEATA.** (Sweet Woodruff.) A hardy perennial, blooming freely and continuously in rather moist soil and a partially shaded location. The flowers are white, but the plant is largely grown for its fragrant leaves and stems, which are used when dried for the same purposes as those of lavender; 1 foot. Pkt. 5 cts.

Balsam

This old favorite annual, sometimes known as Lady's Slipper, has been continually improved for several years, the flowers of some strains now closely rivaling in size and beauty those of the Camellia. Requires rich soil, full exposure to the sun and plenty of water, to be grown to perfection, but is otherwise of easy culture. We offer seed of the most improved types which will, with favorable conditions, produce a large proportion of double flowers; 2 feet.

- 225 **IMPROVED CAMELLIA-FLOWERED, MIXED COLORS.** Double flowers of the finest type and a wide range of beautiful colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
 226 **NEW DOUBLE WHITE.** (Alba perfecta.) Extra fine. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
 227 **DOUBLE DARK RED.** Beautiful rich color. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
 228 **DOUBLE PINK (PRINCE BISMARCK).** Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.



Balsam

- 230 **CHOICE MIXED.** Double flowers of many colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 75 cts.

Balloon Vine

- 235 A tender annual climber of rapid growth, bearing small white flowers, followed by curious inflated seed-vessels, somewhat resembling a balloon. 10 to 15 feet. Pkt. 5 cts.

Bartonia Aurea

- 236 Showy, hardy annual of distinct character, its golden yellow flowers being freely produced; it grows well in partial shade, but should not be crowded. Pkt. 10 cts.

Beans, Ornamental Varieties

The Scarlet and White Runner Beans are deservedly popular as ornamental climbers, as but few plants grow so rapidly, and none is more easily grown. The former is largely grown alone for ornament, but all are very attractive. The beans of the White Runner are used in some localities as green shell beans. Scarlet are also edible, but seldom used. All should be treated as directed for Pole Beans.

- 240 **SCARLET RUNNER.** Pkt. 5 cts. 241 **WHITE RUNNER.** Pkt. 5 cts.

Bellis Perennis—(Double Daisy)

A perennial plant, bearing in early spring small double white or rose-colored flowers. It succeeds best here in a rich loamy-soil, partially shaded. It is generally classed as hardy, but really needs a slight protection through the winter; 4 inches. 245 **Mixed Colors.** Pkt. 10 cts., $\frac{1}{2}$ oz. 50 cts.

- 246 **LONGFELLOW.** Dark Rose. Pkt. 10 cts., $\frac{1}{2}$ oz. 50 cts.
 247 **SNOWBALL.** Pure white. Pkt. 10 cts., $\frac{1}{2}$ oz. 50 cts.
 248 **MONSTROSA DOUBLE MIXED.** These new "Double" Daisies surpass all strains of this popular plant in strong, robust growth and abundance of large bloom. Each plant produces 12 to 15 flowers that measure 2 to 3 inches across, carried on long, strong stems. Pkt. 10 cts., $\frac{1}{16}$ oz. 50 cts.

Brachycome—(Swan River Daisy)

A free-flowering plant of dwarf, compact growth, bearing in great profusion beautiful single blue or white flowers. Effective as edgings or in beds, and suitable for rustic baskets or pot culture. Half-hardy annual; 1 foot.

- 250 **Mixed Colors.** Pkt. 5 cts. **Browallia**

A beautiful, free-blooming half-hardy annual. Seed may be sown in the open ground when warm, but preferably should be sown in the house or hot-bed and, if possible, repotted once or twice. For beds, borders or pots, few equal it; $1\frac{1}{2}$ feet. 251 **Blue and White Mixed.** Pkt. 5 cts.

Calceolaria

Gorgeous plants for greenhouse and window decoration. The flowers are borne in the greatest profusion through spring and summer; colors, yellow, maroon, white, etc.; spotted and blotched in the most unique fashion; $1\frac{1}{2}$ feet. 253 **Superb English Mixture.** Pkt. 50 cts.



Antirrhinum

Calendula—(Pot Marigold)

A very free-blooming hardy annual of easy culture. Grows well in nearly all soils. Flowers double, borne on stiff stems, and are cut to some extent, but the plant is more desirable for bedding, 1 to 1½ feet.

- 254 **NANKEEN.** A very distinct variety, the double flowers of a creamy-yellow, slightly flushed apricot, dark brown eye. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.
- 255 **THE BALL.** A large ball-shaped double flower. Color bright orange, much used by florists. Pkt. 10 cts., ½ oz. 60 cts., ¼ oz. \$1.00.
- 256 **ORANGE GIANT.** Extra large, orange. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.
- 257 **ORANGE KING.** Large dark orange. Pkt. 10 cts., ¼ oz. 30 cts., ½ oz. 50 cts.
- 258 **LEMON KING.** Clear lemon yellow. Pkt. 10 cts., ¼ oz. 30 cts., ½ oz. 50 cts.
- 259 **MIXED VARIETIES.** Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts.

Calliopsis

Well-known, profuse-flowering hardy annuals of the easiest culture. Numbers 260 and 263 represent the type more commonly known. Numbers 261 and 262 resemble in habit, foliage and flower the perennial type, generally known as Coreopsis.

- 260 **Mixed Colors.** 1½ to 2 feet. Pkt. 5 cts., ½ oz. 20 cts., oz. 35 cts.
- 261 **CORONATA MAXIMA.** Yellow; extra large. 1½ feet. Pkt. 5 cts., ¼ oz. 15 cts.
- 262 **GOLDEN WAVE.** (Drummondii.) Golden yellow with small dark center. 1½ feet. Pkt. 5 cts., ¼ oz. 20 cts.
- 263 **RAY OF GOLD.** Yellow, with purplish brown center, 6 to 8 inches. Pkt. 5 cts., ¼ oz. 15 cts.

Canterbury Bells (Campanula Medium)

Well-known, beautiful, hardy biennials. Like all of this class, may be sown where they are to remain any time after midsummer, or in beds in the spring for transplanting. The Calycanthea (Cup-and-Saucer) class is so named because of the broadening of the calyx into a saucer-shaped secondary flower. In permanent situations, plants should stand 18 to 20 inches apart. All varieties succeed best in a rich, rather sandy well drained soil.

- 267 **PRIZE MIXTURE.** A superb mixture of all classes, single, double, and cup and saucer. Pkt. 10 cts., ½ oz. 20 cts.
- 268 **SINGLE MIXED COLORS.** Pkt. 5 cts., ½ oz. 15 cts.
- 269 **DOUBLE MIXED COLORS.** Pkt. 5 cts., ½ oz. 25 cts.
- 270 **CALYCANTHEMA.** Rose pink. Pkt. 10 cts., ½ oz. 30 cts.
- 272 **CALYCANTHEMA.** (Cup-and-Saucer). Mixed Colors. Pkt. 10 cts., ½ oz. 30 cts.
- 273 **CALYCANTHEMA.** Blue. Pkt. 10 cts., ½ oz. 30 cts.
- 274 **CALYCANTHEMA.** White. Pkt. 10 cts., ½ oz. 30 cts.
- 275 **Canary Creeper (Tropaeolum Canariensis)**
A rapid-growing, half hardy annual climber, bearing curiously formed yellow flowers. Blooms until frost. Fine for shady places. 10 to 15 feet. Pkt. 10 cts., ¼ oz. 15 cts.

Candytuft

Popular hardy annual, growing in any soil, requiring but little care, and by repeated sowings may be had in bloom all summer. 6 inches to 1 foot.

- 276 **CARMINE.** Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts.
- 277 **DARK CRIMSON.** (Dunnett's.) Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts.
- 278 **EMPRESS.** Large trusses; pure white. Pkt. 10 cts., ¼ oz. 20 cts., ½ oz. 35 cts.
- 279 **GIANT HYACINTH-FLOWERED.** Heads of immense size, resembling the hyacinth. White. Generally considered superior to Empress. Pkt. 10 cts., ½ oz. 20 cts., ¼ oz. 35 cts.
- 280 **MIXED COLORS.** Pkt. 5 cts., ¼ oz. 15 cts., oz. 50 cts.
- 281 **QUEEN OF ITALY.** Of dwarf, bushy habit. Large pink flowers; fine, 6 inches. Pkt. 5 cts., ¼ oz. 25 cts., ½ oz. 40 cts.

- 282 **DWARF HYBRIDS.** Mixed colors. Of dwarf habit, but flowers are large. Pkt. 5 cts., ¼ oz. 20 cts., ½ oz. 35 cts.
- 283 **WHITE FRAGRANT.** Pkt. 5 cts., ¼ oz. 20 cts., oz. 60 cts.

Canna

The Crozy Cannas are well known for their dwarf growth and luxuriant foliage. The flowers are large and of most brilliant colors. Soak the seeds in warm water until they show signs of swelling, then sow in sandy loam and place in hotbed.

- 284 **CROZY'S DWARF.** Large flowering varieties. Mixed. 3 to 4 feet. Pkt. 10 cts., ¼ oz. 20 cts.
- 285 **TALL, DARK-LEAVED VARIETIES.** Mixed. Pkt. 10 cts., ¼ oz. 20 cts.
- CARDINAL CLIMBER.** See Ipomoea, number 549.
- CARDINAL FLOWER.** See Lobelia, number 538.

Carnation

Well-known and very popular, half-hardy perennial, which until the introduction of the Marguerite class was mainly grown by the florist in the green house and occasionally by the amateur in pots in the house. The Marguerite class, including the original and later introductions of similar type, are treated as annuals, blooming in about four months from seed, which may be sown in the open ground early in the spring, usually by May 1, but preferably earlier in the house, and plants set in the open about the middle of May, as this greatly lengthens the period of blooming. By cutting off the flower-stems early in the fall and potting the plants, they will bloom freely through the winter if kept in a cool room. The Carnation requires a rich soil, and, in such, the plants should stand about 12 inches apart.

- 286 **MARGUERITE IMPROVED SEMI-DWARF.** An improved strain, blooming four months after sowing. Flowers are larger, a greater proportion double and the variety of colors much greater than those of the original. Pkt. 10 cts., ½ oz. 30 cts.
- 287 **MARGUERITE GIANTS.** Flower approaches in form, size, fragrance and beauty those grown by the florist. Great variety of color. Blooms four months after sowing. Pkt. 10 cts., ½ oz. 40 cts.
- 288 **CHAUBAUD'S GIANT PERPETUAL.** A new strain, remarkable for its combination of earliness with the continuity of bloom and perfection of flowers of the perpetual type. Blooms four or five months after sowing. Flowers large, a high percentage double. Deliciously fragrant and greatly varied in coloring. Pkt. 15 cts.
- 290 **DWARF VIENNA.** Blooms early the second summer from seed. The hardest sort, said to stand the winter with slight protection. Flowers large, double, fragrant and of varied colors. Pkt. 10 cts., ½ oz. 25 cts.
- 292 **DOUBLE FINE MIXED.** A choice strain of the regular type, blooming the second year from sowing. Most desirable for house culture. Pkt. 10 cts.

Cineraria—(Hybrida Grandiflora)

- 294 **ROSS' PRIZE MIXTURE.** The plants are of compact growth, carrying extra large flower heads with flowerets of unusual size and substance. This strain includes the brightest and richest self colors as well as a good mixture of all colors. Pkt. 25 cts.



Calendula



Carnation



EVERYBODY KNOWS ROSS' SEED GROWS



Castor Bean (*Eicinus*)

Well-known tender annual; tall, stately, majestic plants of very rapid growth, with palmlike leaves of glossy green, brown or bronze hue; very effective for lawns, planted singly or in groups. 6 to 15 feet.

- 295 **BOBONIENSIS.** Large, showy foliage of purplish hue. 15 feet. Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts.
- 296 **CAMBODGENSIS.** Stalks and stems nearly black; leaves large, of a deep bronze maroon. 6 feet. Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts.
- 297 **SANGUINEUS.** (Tricolor.) Stalks blood-red, foliage, reddish bronze, with scarlet seed-pods. 6 feet. Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts.
- 298 **ZANZIBARENSIS.** A comparatively new class, with gigantic leaves, ranging in color from light green to deep bronze. 10 to 15 feet. Mixed varieties. Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts.
- 299 **GIBSONI.** Large dark-red leaves. 5 feet. Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts.
- 300 **All Varieties Mixed.** Pkt. 5 cts., ½ oz., 10 cts., oz. 15 cts.

Cockscomb (*Celosia cristata*)

Popular free-blooming, half-hardy annual bearing flowers of comb-like form, the recently improved strains producing under best cultivation heads of enormous size. Grown either by itself or combined with other plants, the Cockscomb makes a striking and effective display. While seed may be, and more generally is, sown in the open ground for best results, it should be sown early in the house, and the young plants transplanted into small pots, in which they should remain until they show signs of blooming, when they should be shifted to a permanent location. The Cockscomb requires good, rich soil, ample room and plenty of moisture to fully develop its flowers.

- 305 **GLASGOW PRIZE.** Crimson; dark foliage. 9 inches. Pkt. 10 cts., ½ oz. 30 cts.
- 306 **GOLDEN YELLOW.** 9 inches. Pkt. 10 cts., ½ oz. 30 cts.
- 307 **MIXED.** Pkt. 10 cts., ½ oz. 20 cts.
- 310 **DWARF, EXTRA-CHOICE MIXED.** Includes all the latest introductions and colors of the Cockscomb. Pkt. 10 cts., ½ oz. 50 cts.

Feathered Celosia (*Celosia plumosa*)

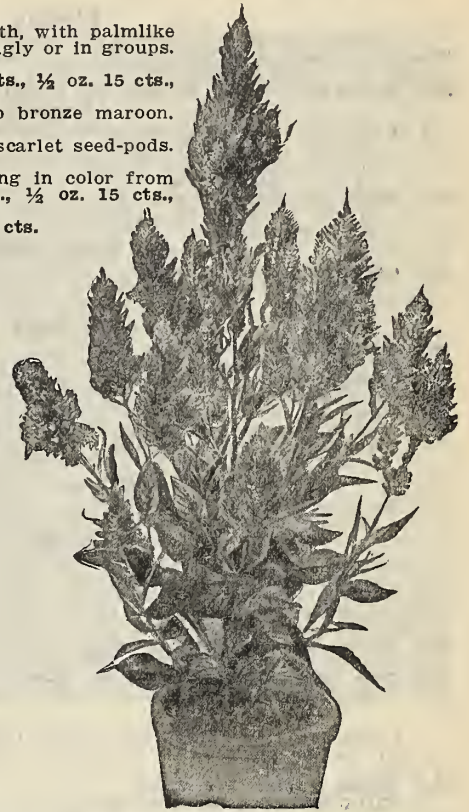
Often used for winter bouquets, and for this purpose should be cut before fully ripe and dried in the house. This class requires the same treatment as the preceding. Half-hardy annual. 1 to 1½ feet.

- 311 **THOMPSON SUPERB.** Graceful, feathery plumes of rich crimson, which contrast beautifully with the purplish bronze foliage. Pkt. 5 cts., ½ oz. 15 cts., ¼ oz. 25 cts.
- 312 **GOLDEN PLUME.** Golden Yellow. Pkt. 5 cts., ½ oz. 15 cts., ¼ oz. 25 cts.
- 313 **THOMPSONIA MAGNIFICA.** A splendid strain, large plumes, ranging from clear yellow to darkest red. Pkt. 10 cts., ½ oz. 30 cts.
- 316 **CHOICE MIXED.** Pkt. 5 cts., ½ oz. 15 cts., oz. 40 cts.

Centaurea

To this family belongs the well-known annuals, Bachelor's Button and Sweet Sultan, and also the plants known as Dusty Millers.

- CYANUS.** (Bachelor's Button, or Cornflower.) Popular hardy annual of the easiest culture, blooming quickly after seed is sown and for a considerable time if flowers are kept well cut. 2 feet.
- 317 **DOUBLE BLUE.** A selection of the old-fashioned Bachelor's Button, producing a large percentage of beautiful double blue flowers. Pkt. 10 cts., ½ oz. 35 cts.
- 318 **SINGLE and DOUBLE MIXED.** Pkt. 5 cts., ¼ oz. 15 cts., oz. 50 cts.
- 319 **SINGLE WHITE.** 320 **SINGLE LILAC.** Each, pkt. 5 cts., ½ oz. 15 cts.
- 321 **MOSCHATA.** (Common Sweet Sultan.) Mixed colors. Pkt. 5 cts.
- 322 **SUAVEOLENS.** (Yellow Sweet Sultan.) Pkt. 5 cts.
- IMPERIALIS.** (Royal Sweet Sultan.) A new and greatly improved type of Sweet Sultan. Both plants and flowers are much larger than the common. The flowers are borne on long, stiff stems and will last for several days after cutting. They are very fragrant and colors delicate and beautiful.
- 323 **BLUE.** 324 **WHITE.** Each, pkt. 10 cts.
- 325 **MIXED COLORS.** Pkt. 10 cts., ½ oz. 25 cts.
- WHITE-LEAVED CENTAUREAS.** (Dusty Miller.) Half-hardy perennials which are grown annually from their seed for their foliage only. Used with other foliage and flowering bedding plants.
- 326 **CANDIDISSIMA.** Deeply cut, silvery white foliage, densely covered with white hairs. 1 foot. Pkt. 10 cts.
- 327 **GYMNOCARPA.** Silvery-white foliage; of graceful drooping habit. 1½ feet. Pkt. 10 cts.
- 328 **MONTANA BLUE.** (Perennial Corn Flower.) Large violet-blue flowers. 2 feet. Pkt. 10 cts., ½ oz. 30 cts.



Cockscomb

Chinese Woolflower

CELOSIA CHILDSII. Its ease of culture and long continued blooming season (July until frost), together with its massive bunches of wool-like flowers and glowing colors combine to make it the most odd as well as the showiest novelty for the general flower garden. Plants grow about three feet high, the bloom starting early with a globular central head of immense size, while numerous branches are sent out, each bearing a ball of scarlet wool, while each branch produces many laterals which also develop excellent heads of bloom that last until killed by frost and expand with deepening richness of color to a deep crimson scarlet. Seed may be sown in open, after danger from frost, or sown in pots; may be transplanted when ground is ready. 329 **Crimson**, 329A **Dark Pink**, 329B **Yellow**, 329C **Mixed Colors.** Each, pkt. 20 cts., 3 pkts. 50 cts.

Chrysanthemum—(Annual Varieties)

Free-flowering plants of branching habit, with rich, finely cut and very ornamental dark green foliage, bearing on long stems daisy-like flowers of bright and varied colorings. These colorings on the single varieties are usually in distinct rings and look, on the flat petals, as though they were painted on. Both grow freely from seed, are of easy culture, very desirable for cutting and are effective bedding plants. They should be given plenty of room—from 2 to 2½ feet, and will bloom more freely on soil of medium fertility. Hardy annual. 1 to 1½ feet.

- 330 **SINGLE.** (Painted Daisies.) Mixed colors. Pkt. 5 cts., ¼ oz. 15 cts., oz. 50 cts.
- 331 **EVENING STAR.** Covered with bright golden yellow single flowers. Pkt. 5 cts., ½ oz. 15 cts.
- 333 **DOUBLE.** (Marguerites.) Pkt. 5 cts., ½ oz. 15 cts.



Chinese Woolflower



Clarkia

A pretty, hardy annual from California, much improved in recent years. Blooms profusely in either sun or partial shade. Colors: Rose, salmon-pink, purple and white, in mixture. 1 foot.
338 Single and Double Mixed. Pkt. 5 cts., ¼ oz. 25 cts.

Clematis

340 **Paniculata.** One of the finest hardy perennial climbers. Of robust habit, and covered from the ground to the summit with pure white fragrant flowers. The flowers are followed by pretty seed pods of bronzy-red. 12 feet. Pkt. 10 cts.

341 **Large-Flowering, Mixed.** (Jackman's.) Flowers 3 to 4 inches across, of charming shades of blue, white, purple, lavender, etc. 10 to 12 feet. Pkt. 10 cts.

Cleome "Giant Spider Plant"

343 **Gigantea Rosea.** A showy garden annual producing curious heads of flowers of bright rose color with long antennae-like stamens; of easy cultivation, blooming early until late. 4 to 5 feet. -Pkt. 10 cts.

Cobaea

345 **SCANDENS.** (Climbing Cobaea.) A beautiful, rapid-growing, half-hardy perennial climber, blooming the first year from seed, bearing large bell-shaped flowers; at first green, but changing to a beautiful deep violet-blue. A clean porch climber, free from insects. Sow early in the house and pot the plants, as this greatly lengthens the period of bloom, and the plants will make a much greater growth. Seed germinates more readily if pushed into the ground edgewise and barely covered. 20 to 30 feet. Pkt. 10 cts., ¼ oz. 30 cts.

Coix Lachryma—(Job's Tears)

347 An ornamental grass growing from 7 to 9 feet high. Large broad leaves bearing large shiny seed. Pkt. 5 cts., ½ oz. 20 cts., oz. 35 cts.

Coleus

Popular ornamental foliage plants, usually propagated by cuttings, but easily grown from seed, from which many new varieties may be expected, affording an interesting experiment to the amateur. Sow in heat in March or April and transplant to open ground about the first of June. For borders of geranium or canna beds and in carpet-bedding very useful. Grows rapidly.

350 **Choice Hybrids, Mixed.** From a large collection; of greatly diverse shades and marketings. Pkt. 10 cts.

351 **New Large-Leaved Varieties, Mixed.** Saved from new varieties with very large and richly variegated foliage. Pkt. 25 cts.

Collinsia

A free-flowering hardy annual from California, of easiest culture and great beauty. Seed preferably should be sown in the fall, as the plants will bloom much earlier than from seed sown in the spring. It may, however, be sown in the spring, if desired. 1 foot.

353 **Mixed Colors.** Pkt. 5 cts.
COLUMBINE. See *Aquilegia*.

Convolvulus Minor—(Dwarf Morning-Glory)

Half-hardy annual of trailing habit, growing about 1 foot high and covering a space of 2 feet, and bearing abundantly bell-shaped flowers similar to those of the tall sort. Flowers open on clear days about noon and remain open until evening, are pure white and of many shades of blue and red.

356 **Mixed Colors.** Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts.

Burbank's Rainbow Corn

357 The stalks, including tassel, grow five and a half feet tall, and are clothed with many variously variegated leaves three inches wide and two feet long. The leaves (both on main stalks and suckers) are all superbly striped with broad bands of crimson, yellow, rose, white and bronze. The small hardy seed can be planted early, and as it does not ripen until very late the plants present their rich tropical beauty for a long season. Pkt. 10 cts., ¼ oz. 30 cts.

Coreopsis

For Annual Varieties, see *Calliopsis*

358 **LANCEOLATA GRANDIFLORA.** A beautiful, hardy perennial, blooming profusely the first season until frost from seed sown early. The flowers are a rich, golden yellow, often 3 inches in diameter borne on fine long stems and are very desirable for cutting. Of easiest culture, growing anywhere. Pkt. 5 cts., ¼ oz. 40 cts., oz. \$1.40.

Cosmos

Beautiful autumn-blooming plants. They produce thousands of artistic flowers in pure white, pink and crimson shades, furnishing an abundance of cut blooms for autumn decorations when other flowers are scarce. Should be sown in spring in the open ground, when danger of frost is past, or the seed may be started under cover and afterwards transplanted. Plant not less than 18 inches apart in rows or in masses in beds. When the plants are about a foot high the tops should be pinched out to induce a bushy growth. They prefer a rather light not too rich soil, but do well almost anywhere.

359 **KLONDIKE.** Large, orange colored flowers. Pkt. 10 cts., ½ oz. 20 cts.

360 **MAMMOTH PERFECTION.** Mixed colors. Flowers of mammoth size, rather late in flowering; seed should therefore be sown as early as possible in the house in March, or as the plant is especially hardy, in the open ground in a sheltered spot in April. Pkt. 5 cts., ¼ oz. 25 cts.

362 **LARGE EARLY FLOWERING.** In the New Large Early Flowering we have a strain which combines the desired features of good size and early production. The flowers are fully twice as large as the Early-Flowering, while the plant blooms as early. Crimson, Rose and White Mixed. Pkt. 10 cts., ¼ oz. 30 cts.

362A **Crimson.** 362B **Pink.** 362C **White.** Each, pkt. 10 cts.

363 **CRIMSON RAY.** This distinct novelty originated from one plant which attracted marked attention from the fact that the flowers, while equally as large in diameter, showed a new departure in form, number and shape of the petals. The petals were narrow and fluted, separated in star-like form and of the most brilliant crimson color overlaid with velvet sheen. Pkt. 10 cts.

LADY LENOX. Long stemmed flowers, often measuring 5 inches across. Unsurpassed for garden decoration and cut flowers. 6 to 7 feet.

364 **Pink.** Pkt. 15 cts., 364A **White.** Pkt. 15 cts.



Early Flowering Cosmos



Double Crested Cosmos



EVERYBODY KNOWS ROSS' SEED GROWS



Double Crested Cosmos

These hybrids form bushy plants 5 to 6 feet high and flower profusely during the autumn months. Only 40 to 50 per cent of the plants will bear double flowers, the balance producing large single blossoms, the reason being that the double flowers and pistil—having no stamens and consequently bear no pollen—so to produce seed must depend on staminate singles of pollination. The progeny thereof comes about half doubles and half singles. Double Cosmos flowers aside from their novelty and beauty are of lasting substance, both on the plants and as cut flowers.

- 65 CRIMSON KING. Dark crimson.
- 65A PINK BEAUTY. Soft pink.
- 65B WHITE QUEEN. Pure white.
- 65C WHITE, PINK AND CRIMSON MIXED. Each 20 cts. per pkt., 1/4 oz. 35 cts.

Ross' Giant Cyclamen

Charming house plants, with beautiful foliage and rich colored, fragrant flowers. Universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

- 69 Giant Mixed. Pkt. 50 cts.

Cypress Vine

A popular climbing vine, with delicate fern-like foliage, bearing in abundance small, star-shaped, rose, scarlet or white flowers. Of easy culture. Half-hardy annual. 10 to 12 feet.

- 70 Mixed Colors. Pkt. 5 cts., 1/4 oz. 15 cts., oz. 50 cts.

Dahlia

The growing of the double varieties from seed is always more or less of an experiment, but fine flowers of the single type can be easily secured from seed the first season. If seed of the double sorts is sown in March and the young plants set in the open ground as soon as danger of frost is past, some of the plants, perhaps half, will bloom the first season. The single varieties, however, will all bloom the first season from the seed sown in the open ground as late as the first week in June. An earlier planting is, however, preferable. Tender perennial. The tubers formed each season should be stored in a frost-proof cellar.

- 71 SINGLE MIXED COLORS. Pkt. 5 cts., 1/4 oz. 20 cts., oz. 75 cts.
 - 72 SPECIAL MIXTURE of Giant-Flowered Single Varieties. Comprises seed from noted English and Holland growers, and includes the Giant Perfection, and Colossal strains, and Hornsveld's Giant Hybrids. An unsurpassed mixture of the greatest possible diversity of colors. Pkt. 15 cts., 1/4 oz. 30 cts., 1/2 oz. 50 cts.
 - 73—DOUBLE LARGE-FLOWERED. Mixed colors. Saved from the finest show varieties. Pkt. 10 cts., 1/4 oz. 25 cts., 1/2 oz. 40 cts.
- DAHLIA BULBS. See pages 70 and 71.



Double Dahlia

Daisy

It has always seemed to us unfortunate that the English Daisy (*Bellis perennis*) should have been given its common name, as we are quite sure that nearly every one instinctively associates with the term "daisy" or "daisy-like," flowers which resemble in form and habit our common field daisy. We therefore list under this head the famous Shasta Daisy and Michaelmas Daisies and call attention to other flowers often known as Daisies, but listed elsewhere under different names.

- 376 AFRICAN GOLDEN. (*Dimorphoteca Aurantiaca*.) This very showy annual plant is a valuable addition to the list of hardy annuals. When first exhibited, it gained an Award of Merit at the great Temple Show, London, has been very favorably mentioned in the leading horticultural papers of this country and Europe, and all who have seen the plant in bloom praise it. A bed of these plants is remarkably effective and the flowers are excellent for cutting, while the plant is easily grown from seed sown in the open ground. This combination of beauty of flower, profusion and length of bloom and ease of culture should commend this plant to all who cultivate flowers and will, we are sure, make it a general favorite when once its merit is known. Pkt. 10 cts., 3 pkts. 25 cts.
- SHASTA DAISY. An extremely hardy perennial, thriving in all soils, blooming more freely each season, and when once established, for several months. Easily grown from seed and can be also increased by division of the root. The flowers are from 3 to 4 inches across, borne on very long, stiff, wiry stems, and remain in good condition for many days after being cut.
- 378 ALASKA. Pure glistening white. Pkt. 15 cts.
- 379 SELECTED HYBRIDS. A mixture of seeds saved from the best seedlings, including some with double rows of petals. Pkt. 15 cts.
- MICHAELMAS DAISIES. (Perennial Single Asters.) Beautiful and showy, hardy perennials, easily grown from seed, blooming profusely in the autumn months, and the first season if seed is sown early.
- 381 MIXED COLORS. Pkt. 10 cts.
For other flowers known as Daisies, see Anemone, Brachycome and Chrysanthemums.

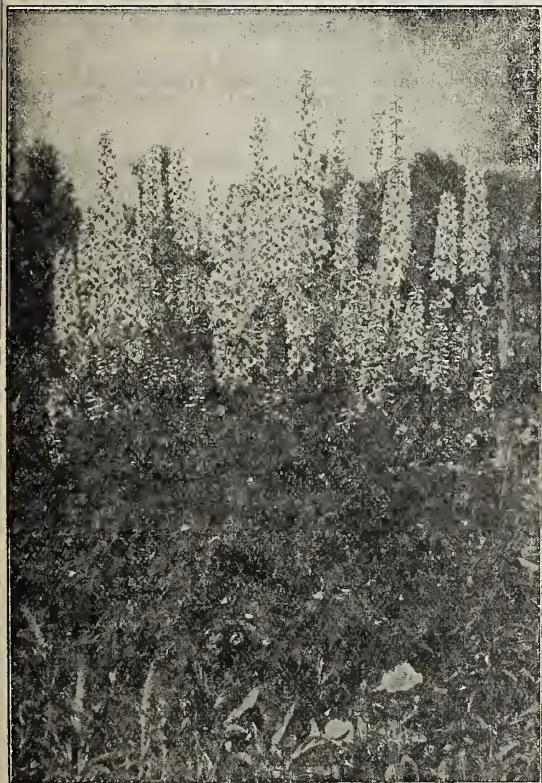
Datura

DATURA. (Trumpet Flower.) Strong growing ornamental annual shrubs. Flowers trumpet shape, large and fragrant.

- 383 FINEST MIXED. Pkt. 5 cts., 1/4 oz. 15 cts.

Delphinium—(Larkspur)

Showy, hardy annuals and perennials, thriving in nearly all soils if well enriched and open to the sun. Seed of the annual sorts, though more generally sown in the spring, should preferably be sown in autumn, as plants commence blooming much earlier. Seed of the perennial kinds may be sown in the open ground from April to October, or inside in March, and if plants are kept growing well until June, and then set in the open border some will bloom well in the autumn months. (See next page)



Delphinium



Annual Delphiniums

- 385 **DOUBLE DWARF ROCKET.** 1 foot. Mixed colors. Pkt. 5 cts., ½ oz. 35 cts., oz. 60 cts.
DOUBLE BRANCHING. 387 Carmine. 388 Dark Blue. 389 Light Blue. 390 White. Pkt. 5 cts., ½ oz. 20 cts.
 391 **DOUBLE IMPERIAL BRANCHING.** Mixed colors. A superior strain. 2 feet. Pkt. 5 cts., ½ oz. 20 cts.

Perennial Delphiniums

- 393 **ELATUM.** (Bee Larkspur.) Flowers have curiously folded, hairy petals in the center, which give them a fancied resemblance to a bee. Rich shades of blue, with black center. 2½ feet. Pkt. 10 cts., ½ oz. 30 cts.
 394 **FORMOSUM.** The large flowers are deep, rich blue, with white centers. 2½ feet. Pkt. 10 cts., ½ oz. 30 cts.
 395 **SIBIRICUM HYBRIDUM.** Shades of blue. If sown early, will bloom in August. 2 feet. Pkt. 10 cts., ½ oz. 25 cts.

Dianthus, Pinks

Hardy biennials, blooming the first year from seed. So easily grown from seed as to be rarely treated as biennials. Seed may be sown in the open ground any time in May. Plant 6 inches apart. Height 1 foot.

- 398 **DOUBLE CHINA.** (D. Chinesia fl. pl.) Small, double flowers, borne in large clusters, of many colors, mostly with white edge. Pkt. 5 cts., ¼ oz. 15 cts.
 399 **HEDDEWIG'S DOUBLE.** (D. Heddewigi fl. pl.) Japan Pinks. Very large, double flowers of a wide range of color, running from white and light pink through shades of red to rich, velvety crimson and deep maroon almost black. Pkt. 5 cts., ¼ oz. 25 cts.
 400 **SINGLE MIXED.** Large single flowers, of rich and varied colorings. Pkt. 5 cts., ¼ oz. 20 cts.
 406 **DOUBLE FRINGED JAPAN.** (D. laciniatus fl. pl.) Large, double fringed flowers of rich and varied colorings. Pkt. 5 cts., ¼ oz. 25 cts.
 407 **FIREBALL.** Of dwarf habit. Flowers globular, double, dark, blood red. Pkt. 10 cts., ½ oz. 25 cts.
 408 **SNOWBALL.** Very double, pure white. Excellent. Pkt. 10 cts.
 410 **FURITY.** A new double clove-scented white Dianthus. Flowers, large and double, possessing a delicate fragrance. A decided acquisition to this large family of beautiful flowers. Pkt. 10 cts.
 415—**WORCESTER MIXED.** All the above and other choice strains. Unsurpassed. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.00.

Hardy Perennial Varieties

Clove or Grass Pinks;
Dianthus plumarius

Improved forms of the old well-known Clove Pink. They grow anywhere and bloom very profusely. Flowers of many pleasing colors and deliciously fragrant. Very useful for the hardy border.

- 416 **SINGLE.** (Pheasant's Eye, Pink.) Mixed colors. Pkt. 5 cts., ½ oz. 15 cts.
 417 **DOUBLE AND SEMI-DOUBLE.** Mixed colors. Pkt. 10 cts., ½ oz. 25 cts.
 418 **FLORIST'S PERPETUAL PINK.** (D. semper-florens.) Double and semi-double; large flowers; very fragrant and of a great diversity of colors. Blooms nearly all summer and if sown in March will generally bloom the first season. Pkt. 15 cts., ½ oz. 35 cts.

Didiscus

- 420 **COREULEUS.** (Blue Lace Flower.) An attractive annual, blooming from July until frost. The flowers are pale lavender and are valuable for cutting. Pkt. 10 cts., ½ oz. 25 cts.

Digitalis—(Foxglove)

Favorite hardy plant bearing in June and July tall flower spikes. Of easy culture. Well suited for background to other plants, and for naturalizing in the edges of woods. Hardy biennial or perennial. 2½ to 3 feet.

- 423 **MACULATA SUPERBA.** (Ivery's spotted.) Choice strain of spotted varieties. Pkt. 10 cts.
 424 **MONSTROSA.** Mixed colors. Monstrous flowers. Attractive. Pkt. 10 cts.
 427 **PURPUREA.** (Common Foxglove.) Mixed colors. Pkt. 5 cts., ½ oz. 25 cts.

- 428 **PURPUREA.** Rose. Pkt. 5 cts.
 429 **PURPUREA.** White. Pkt. 5 cts.

Dolichos—(Hyacinth Bean)

A rapid-growing hardy, annual climber, bearing all summer clusters of white or purplish blue flowers, followed by ornamental seed-pods. Sow in May where plants are to remain. 10 feet.

- 433 **Mixed Colors.** White and Purple. Pkt. 5 cts., ¼ oz. 15 cts.

Dracaena—(Dragon Plant)

- 434 **INDIVISA.** Beautiful ornamental-leaved plants; long narrow, green foliage; indispensable for vases and house decoration. Pkt. 10 cts., ½ oz. 40 cts.

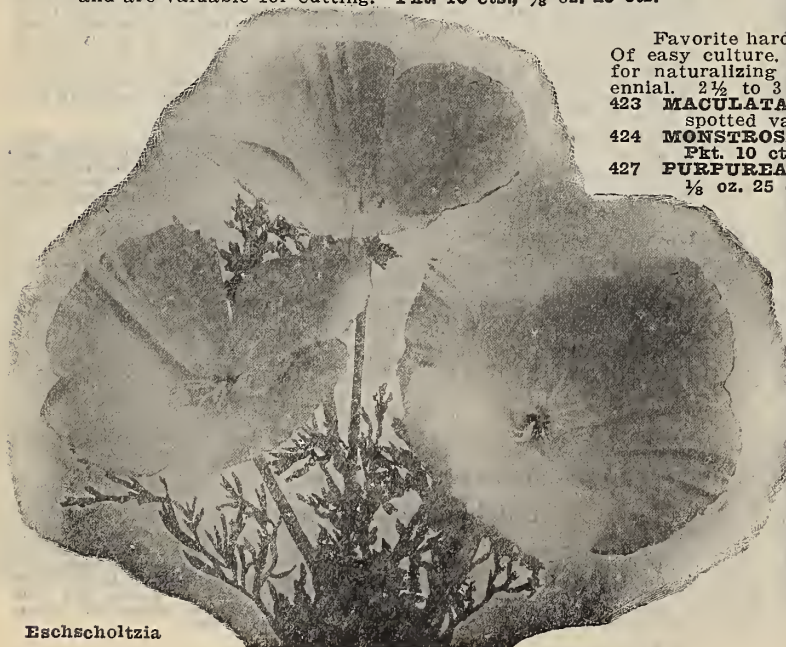
Eschscholtzia—(California Poppy)

A very showy hardy annual, with beautiful, finely cut, glaucous foliage, bearing poppy-like flowers of bright colors. Of easy culture. Sow as early as soil can be worked, where plants are to remain, as they do not bear transplanting well. 1 foot.

- 439 **CALIFORNICA.** Yellow. Pkt. 5 cts.
 442 **MIXED COLORS.** Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts.
 443 **ERECTA COMPACTA, ROSE QUEEN.** Rose, carmine. Pkt. 5 cts.



Dianthus



Eschscholtzia



EVERYBODY KNOWS ROSS' SEED GROWS



Euphorbia

Ornamental foliage plant; easily grown from seed. Striking and effective appearance. Hardy annual.

452 **VARIEGATA.** (Snow-in-the-Mountain.) Foliage-veined and margined with white. 2 feet. **Pkt. 10 cts., 1/8 oz. 25 cts.**

Exacum Affine

453 A beautiful annual bearing clusters of fragrant lilac flowers. Very useful for pot culture. 1 foot. **Pkt. 25 cts.**

Forget-Me-Not—(Myosotis)

Favorite hardy perennials, mostly treated as annuals, nearly all blooming the first season from seed sown early in the open ground. They succeed to a degree that warrants their cultivation in average soil and open situation, but thrive better in cool, moist soil, considerably shaded. 6 inches.

454 **ALPESTRIS.** (Blue Alpine Forget-me-not.) **Pkt. 10 cts., 1/8 oz. 25 cts.**

457 **PALUSTRIS.** (True Forget-me-not.) Dark blue; blooms the first season. **Pkt. 10 cts., 1/8 oz. 40 cts.**

459 **DICTYNCTION.** (Ever-flowering.) New; blooms in eight to ten weeks from sowing. **Pkt. 10 cts., 1/8 oz. 30 cts.**

461 **VICTORIA.** The flowers are large bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging. **Pkt. 10 cts., 1/8 oz. 35 cts.**

Four O'Clock—(Marvel of Peru)

A well-known favorite plant, bearing freely funnel-shaped, white, red and striped flowers, which open about four o'clock in the afternoon. Will grow anywhere. Plants should be given plenty of room; about 2 feet apart. Hardy annual. 2 feet.

465 **Mixed Colors.** **Pkt. 5 cts., 1/2 oz. 15 cts., oz. 25 cts.**

FOXGLOVE. See Digitalis.

Gaillardia

ANNUAL VARIETIES (Blanket Flower)

Very showy, free-blooming, hardy plants of easy culture. Seed germinates very slowly and should be sown in the house in March. The flowers are very brilliant, borne on long stems. Fine for cutting. 2 feet.

470 **PICTA.** Single; mixed colors. **Pkt. 5 cts., 1/4 oz. 15 cts.**

471 **PICTA.** Double; mixed colors. **Pkt. 5 cts., 1/4 oz. 15 cts.**

Perennial Gaillardia

Hardy perennial Gaillardias thrive in nearly all soils and situations, requiring no protection and almost no care. Flowers large; with rich shades of scarlet, orange and crimson, the three often combined in one flower. Desirable for the perennial border. If sown early will bloom in the first season. 1 1/2 to 2 feet.

478 **Newest Varieties.** Mixed. A splendid mixture; comprises all the colorings known. **Pkt. 15 cts., 1/4 oz. 50 cts.**

Geranium

Well-known half-hardy, greenhouse perennials, easily raised from seed. Seed sown in the fall or early winter will produce flowers in June, while from that sown in March, plants will not bloom until September, and from seed sown in the open ground in May or June plants will bloom in mid-winter.

485 **ZONALE.** (Fish or Horseshoe Geranium.) Saved from the largest and finest varieties. **Pkt. 10 cts.**



Gaillardia

Geum

486 **MRS. BEADSHAW.** A very handsome new variety, bearing immense double flowers of bright scarlet; a perpetual bloomer; fine for cutting. 2 feet. **Pkt. 10 cts., 1/8 oz. 30 cts.**

Globe Amaranth—(Gomphrena)

488 **MIXED COLORS.** A tender annual plant, bearing globe-shaped ever-lasting flowers, often used, when dried, in winter bouquets. Blooms freely and is an excellent bedding plant. 1 1/2 feet. **Pkt. 5 cts.**

Gloxinia

One of the most beautiful greenhouse perennials. May be successfully grown by the amateur. Give them a porous and well-enriched soil; a warm, moist atmosphere, and as soon as they begin to flower remove them to a cooler house, and afterwards dry them off gradually and keep them free from moisture till they again begin to grow. The seeds are small and should be sown on an even surface and but slightly covered.

489 **SPLENDID MIXTURE.** A mixture of all classes unrivaled in richness of colors. **Pkt. 25 cts.**

Godetia

A showy and beautiful hardy annual, bearing fairly large delicately shaded, satiny flowers; of easy culture, blooms best in rather poor soil. Seed may be sown in the open ground, or sown in the house in March and transplanted to the open ground as soon as danger from frost is past. The plants require plenty of room. Close planting weakens them.

490 **MIXED COLORS.** Includes all varieties and the latest introductions. **Pkt. 5 cts., 1/4 oz. 15 cts.**

Gourds

Ornamental, tender annual climbers, with curiously formed and colored fruit; of very rapid growth; useful for covering unsightly objects. 10 to 20 feet.

491 **Apple-shaped.** Small, striped. **Pkt. 5 cts.**

492 **Dipper.** The fruit is of slender, neck-like form for two-thirds its length, widening at the apex in the form of a bowl. Sometimes used as a dipper. **Pkt. 5 cts.**

493 **DISH-CLOTH.** Fruit large and elongated, with a spongy net-work of tough fibre inside, which when dried is used by the Japanese to form the soles of sandals. It is also used like a sponge for bathing. **Pkt. 5 cts.**

494 **Egg-Shaped.** **Pkt. 5 cts.**

495 **Hercules' Club.** 4 feet long. **Pkt. 5 cts.**

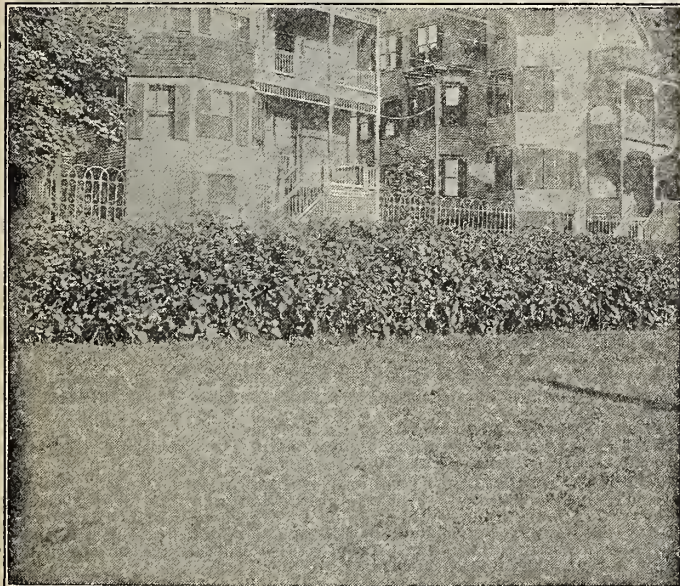
496 **Miniature Bottle shaped.** **Pkt. 5 cts.**

497 **Orange-shaped.** **Pkt. 5 cts.**

498 **Fear-shaped.** Green, white-striped. **Pkt. 5 cts.**

499 **Serpent.** 5 feet long. **Pkt. 5 cts.**

500 **Mixed Varieties.** Small sorts. **Pkt. 5 cts., 1/2 oz. 10 cts.**



A Hedge of Four O'Clocks



Heliotrope

One of the best everlasting flowers and an effective bedding plant, succeeding in any well-enriched soil. If flowers are desired for winter use, they should be cut just as the buds are opening. Hardy annual. 2 feet.

515 **DOUBLE, MIXED COLORS.** (H. monstrosum fl. pl.) Largest double flowers. Pkt. 5 cts., ¼ oz. 25 cts.

Heliopsis

516 **FITCHERINA** One of the best hardy perennials for dry soils and its graceful flowers among the best for cutting. The plant commences to bloom early in season. The flowers are of a beautiful deep yellow, of great substance, and about 2 inches diameter. 3 feet. Pkt. 10 cts.

Heliotrope

A well-known and favorite plant, largely grown in pots, but thriving in the open border; usually grown from cuttings, but grows readily from seed, blooming the first season if sown early. Half-hardy perennial.

518 **Mixed Colors.** All shades. Pkt. 5 cts.

519 **Large-flowering.** Mixed colors. Heads of flowers nearly double the size of the old sorts. Pkt. 10 cts.

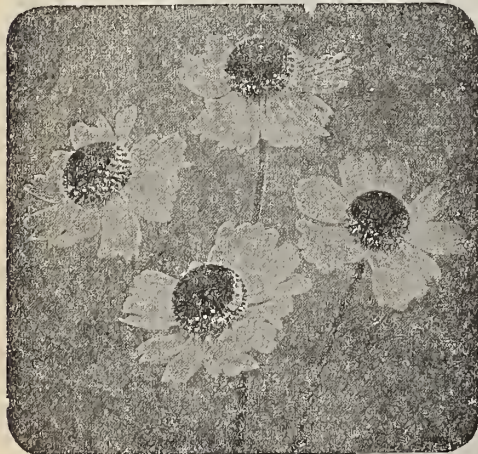
Heuchera

725 **SANGUINEA.** A fine, hardy perennial, bearing in graceful spikes rich crimson flowers. Useful for cutting, and the plant is useful in the mixed border. 1 foot. Pkt. 10 cts.

Hibiscus

Vigorous-growing plants, producing large, handsome flowers, often six inches across. Very desirable for mixed beds or borders.

526 **AFRICANUS.** Hardy annual, yellow, 2 feet. Pkt. 5 cts., ½ oz. 15 cts.



Helianthus

Gypsophila (Baby's Breath)

Very useful, free-blooming plants of easiest culture. Flowers very small, borne in loose, graceful panicles. Very largely used in bouquets with other cut-flowers, such as Sweet Peas, Roses, Carnations, etc. 2 feet.

504 **PANICULATA FLORE PLENO.** A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. Pkt. 25 cts.

505 **ELEGANS GRANDIFLORA ALBA.** White. An improved form of the annual Gypsophila. Grown by the acre for the London and Paris flower markets. Blooms quickly after sowing; several sowings should be made. Pkt. 5 cts., ¼ oz. 15 cts., oz. 50 cts.

506 **PANICULATA.** White. The variety more generally known as Baby's Breath. Hardy perennial. Pkt. 5 cts., ½ oz. 15 cts.

Grevillea

507 **EOBUSTA.** (Silk Oak.) The graceful evergreen, fernlike foliage combines admirably with palms and other massive-leaved plants. Excellent for table decoration. Pkt. 10 cts., ½ oz. 40 cts.

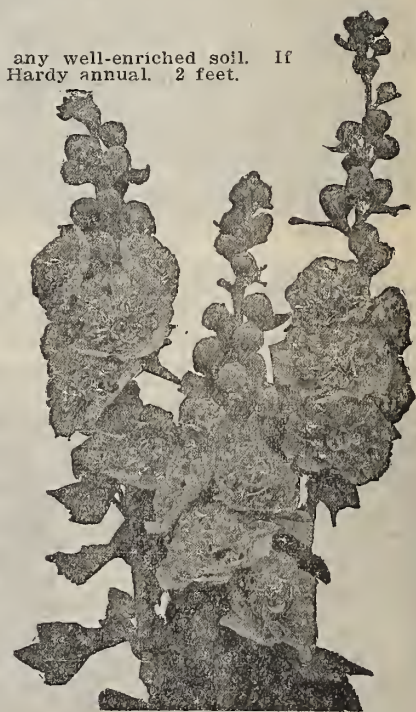
Helianthus

A very valuable hardy perennial, bearing in profusion in August and September, long stemmed single flowers; fine for cutting. Effective as a background.

510 **AUTUMNALE SUPERBUM.** Deep golden yellow. 5 to 6 feet. Pkt. 10 cts.

Helichrysum

(Straw Flower; Everlasting)



Helichrysum

Hollyhock

One of the oldest hardy favorites, greatly improved in recent years, flowers being large and of better form, and plant of more sturdy growth. While the Hollyhock delights in deep, rich soil, it must be dry and well drained, or plants will not live through the winter. Though often sown later, seeds should be sown not later than June. As young plants bloom better and are hardier, seed should be sown every year. Hollyhocks are most effective planted in long rows. Hardy perennial. 5 to 7 feet.

530 **CHATER'S FINEST MIXED.** Choicest double varieties, a large percentage of the flowers coming double. Pkt. 10 cts., ½ oz. 35 cts., ¼ oz. 60 cts.

531. **Double. Mixed Colors.** Pkt. 5 cts., ½ oz. 25 cts.

532 **ALLEGHENY.** Large, semi-double flowers, beautifully fringed, of silky texture and richly colored. Pkt. 10 cts., ½ oz. 25 cts.

534 **EVERBLOOMING HYBRIDS.** (Annual Hollyhocks.) Double, Semi-Double and Single. Mixed. A new strain, blooming the first season from seed. Plants from seed sown inside in March or April will bloom in July and those from seed sown in the open ground, in August, and, in both cases, continuously until frost if main stem is pinched off when 3 or 4 feet high. Pkt. 10 cts.

CHATER'S DOUBLE. 535 Maroon. 535A Pink. 536 Snow White. 536A Yellow. Pkt. 10 cts., ½ oz. 35 cts.



EVERYBODY KNOWS ROSS SEED GROWS



Humulus—(Hop)

Rapid-growing climbers with attractive foliage, especially valuable because seldom injured by insects or drought. The Japanese variety is a hardy annual and among the best for quickly covering unsightly objects. The Lupulus, or Common Hop, is a hardy perennial, easily grown from seed and, when established, of very rapid growth. 10 to 20 feet.
537 **VARIEGATA.** Variegated foliage, green and white. **Pkt. 5 cts.**
538 **LUPULUS.** The Common Hop. **Pkt. 10 cts.**

Hunnemannia

540 **FUMARIAEFOLIA.** (Giant Tall Poppy, or Bush Eschscholtzia.) A valuable plant of the Poppy family, closely allied to the Eschscholtzia. A perennial, always treated as an annual, blooming by middle of July and from seed sown early in May, and continually until frost. The large flowers are of a deep, rich yellow, borne on very long stems and last a remarkably long time after cutting. 2 feet. **Pkt. 5 cts., 1/2 oz. 25 cts.**

Iberis

543 **SEMPERVIRENS.** (Perennial Candytuft.) A desirable hardy perennial of easiest culture. Dwarf spreading habit; suitable for rockeries. Flowers pure white. **Pkt. 10 cts., 1/2 oz. 30 cts.**

Ice Plant—(Mesembryanthemum)

546 **CRYSTELLINUM.** A trailing plant, with succulent stems and leaves. Excellent for hanging baskets and rockwork. Tender annual. 9 inches. **Pkt. 10 cts.**

Ipomoea

The Ipomoea family includes the well-known Morning Glory, the Moon-flower and the Cypress Vine. Rapid-growing climbers of easiest culture; bloom earlier and more profusely on rather poor soil, but of higher growth and more attractive foliage when grown on rich soil. Tender annuals. 15 to 30 feet.

549 **CARDINAL CLIMBER.** (Ipomoea Quamoclit Hybrida.) Leaves are dark green, fern-like and deeply lacinated; bears a great profusion of fiery, cardinal red flowers which are about 1 1/2 inches in diameter. It delights in a warm, sunny situation and good soil. In order to have good germination of the seed a small notch should be filed or cut in each seed. **Pkt. 15 cts., 2 pkts. 25 cts.**

550 **BONA NOX.** (Evening Glory.) Beautiful, large, violet-blue flowers which open at night. Of extremely rapid growth. **Pkt. 5 cts.**

551 **COCCINAE.** (Star Ipomoea.) Small scarlet flowers, borne in profusion. **Pkt. 5 cts.**

552 **SETOSA.** (Brazilian Morning Glory.) A handsome variety of luxuriant growth, having very large three-lobed leaves, the under side of stem being thickly set with small reddish hairs. Flowers are a pleasing rose, about 2 1/2 inches across, of delicate satiny texture and borne in clusters, but one or two in each cluster opening at once. **Pkt. 10 cts.**

553 **RUBRA COERULEA.** (Heavenly Blue.) Large, heart-shaped leaves; flowers 4 to 5 inches across, borne in clusters and in such profusion as to nearly cover the foliage; bright sky-blue. **Pkt. 10 cts.**

Jerusalem Cherry—(Solanum)

An ornamental and interesting genus of fruit-bearing plants; singularly bright in fruit and foliage. Popular for greenhouse or house decoration.

555 **SOLANUM CAPSICASTRUM.** Covered with scarlet fruit during the winter. One and one-half feet. **Pkt. 10 cts.**

Kochia

556 **TRICOPHYLLA.** (Summer Cypress.) A very quick-growing annual; cultivated for its beautiful foliage, which is feathery and fine as moss. Through the summer this is bright green, but commences in early fall to gradually take on a red tinge, becoming entirely red before it dies. The brilliant coloring has given it its other two common names of Mexican Fire Plant and Burning Bush. It is often grown in rows as low hedges. Seeds may be sown in the open ground about May 1. Hardy annual, 2 1/2 feet. **Pkt. 10 cts., 1/4 oz. 20 cts.**

JOE'S TEARS. See *Coix Lachryma.*

Kudzu Vine—(Pauraria)

560 **THUNBERGIANA.** (Jack-and-the-Beanstalk Vine.) A vine of wonderful rapid growth, when well established growing to the great height of 40 to 50 feet. Leaves are of enormous size. One of the best for forming a screen for any purpose. In the North, the plant dies to the ground in the winter, but in the South becomes woody. Hardy perennial. **Pkt. 10 cts.**

Lantana

A favorable plant of rapid growth, blooming continually through the summer; desirable for the garden or house. Tender perennial. 2 feet.

562 **Mixed Colors.** **Pkt. 5 cts.**



Kochia

Lathyrus Latifolius—(Everlasting Sweet Pea)

An easily grown hardy perennial climber, bearing freely, flowers somewhat similar in form to the Sweet Pea. If grown on moist soil, will bloom nearly all summer. Colors: Reddish purple, rose and white. 6 to 8 feet.

570 **Mixed colors.** **Pkt. 5 cts., 1/4 oz. 20 cts., 1/2 oz. 35 cts.**

Lavender—(Lavendula Vera)

575 **VEEA.** A well-known hardy perennial grown chiefly for its lasting fragrance. **Pkt. 10 cts., 1/8 oz. 20 cts.**

Lavatera Tremestris

Beautiful and effective hardy annual, covered during the entire summer with pretty and showy blossoms.

576 **Rose Pink.** 577 **White.** **Pkt. 10 cts., 1/4 oz. 20 cts.**

Linum—(Scarlet Flax)

580 **GRANDIFLORUM.** (Scarlet Flax.) Hardy annual of slender habit, bearing in profusion brilliant scarlet-crimson flowers. An effective bedding plant. 1 foot. **Pkt. 5 cts.**

Lobelia

Pretty little plants of easy culture, blooming profusely from June until frost. The dwarf varieties are useful for bedding and edging, the training variety is excellent for hanging-baskets, vases and rock-work. Half-hardy annuals.

585 **CRYSTAL PALACE COMPACTA.** Rich blue flowers, dark foliage. **Pkt. 10 cts.**

586 **WHITE GEM.** White Dwarf; very profuse. **Pkt. 10 cts.**

587 **GRACILIS.** Light blue, trailing. **Pkt. 5 cts.**

588 **CARDINAL FLOWER.** (Cardinals.) Intense scarlet. 3 feet. **Pkt. 10 cts.**

LOVE-IN-A-NEST. See *Nigella.*

Lupin

590 **Annual Varieties, Mixed.** Easily grown plants, with long, graceful spikes of pea-shaped flowers of various colors. 2 ft. **Pkt. 5 cts., oz. 35 cts.**

591 **Perennial Varieties, Mixed.** Hardy, plants of easy culture, useful as a background in the perennial border. Mixed blue and white. 2 to 4 feet. **Pkt. 5 cts., 1/2 oz. 30 cts., oz. 50 cts.**



Lychnis

- 595 **CHALCEDONICA.** (Burning Star.) Bright scarlet flowers shaped like Maltese cross. Of fine color and thrifty growth; very effective in the perennial border. 2 feet. Pkt. 5 cts.

Marigold

Favorite annual plant, blooming the entire summer; easily cultivated. The African varieties bear large yellow or orange flowers and the plants are usually tall. The French type is of dwarf habit and flowers are striped. Hardy annual. 1 to 3 feet.

- 600 **AFRICAN ELDOREADO.** Flowers very large, extremely double, of various shades of yellow. Pkt. 5 cts., 1/8 oz. 15 cts.
601 **LEMON BALL.** The largest of all Marigolds, nearly ball-shaped, pure lemon yellow. Pkt. 10 cts.
602 **ORANGE PRINCE.** Large, rich orange. Pkt. 10 cts.
603 **AFRICAN DOUBLE MIXED.** All shades of the African type. Pkt. 5 cts., 1/4 oz. 15 cts.
606 **FRENCH DWARF DOUBLE, GOLD STRIPED.** Deep browning red, striped yellow. Pkt. 5 cts., 1/8 oz. 15 cts.
607 **FRENCH DOUBLE MIXED.** Shades of yellow and brown. 2 feet. Pkt. 5 cts., 1/4 oz. 15 cts.
608 **LEGION OF HONOR.** Single flower; golden yellow, with a large spot of crimson. Pkt. 5 cts.

Mathiola Bicornis—(Night Scented Stock)

- 610 A hardy annual with purplish red flowers, giving forth a delightful



Marigold, Eldorado



Marigold, Gold Striped

- 619 **MACHET.** Large, thick spikes of reddish cast, of dwarf habit, dark foliage. One of the best for pots. Pkt. 5 cts., 1/8 oz. 15 cts., 1/4 oz. 25 cts.
620 **PARSON'S WHITE.** Nearly white. Pkt. 5 cts., 1/4 oz. 15 cts., oz. 50 cts.
621 **VICTORIA.** Of deep reddish cast. Pkt. 5 cts., 1/4 oz. 15 cts., oz. 50 cts.
622 **GOLIATH.** Of strong yet compact habit, with rich green foliage, the giant trusses of flowers being borne on erect, strong, stiff stalks and surpassing all others in brilliancy of color; especially suited for house culture. Pkt. 10 cts., 1/2 oz. 25 cts.
625 **MIXED VARIETIES.** The above and other varieties. Pkt. 5 cts., 1/4 oz. 15 cts., oz. 50 cts.

Mimulus

Showy, free-flowering plants of easy culture. Half-hardy perennials, blooming the first season by July, if started early in the house, and continually until October. Thrives best in moist soil and somewhat shaded location. 1 foot.

- 630 **TIGRINUS.** (Monkey Flower.) Handsome flowers with white, sulphur or yellow ground spotted with crimson, scarlet or pink. Pkt. 10 cts.
631 **MOSCHATUS.** (Musk Plant.) Small yellow flowers, musk-scented foliage, of trailing habit; excellent for hanging baskets. Pkt. 10 cts.

Moonflower—(Ipomoea)

- 635 **GEANDIFLORA ALBA.** (Ipomoea noctiflora.) A very rapid-growing variety of Ipomoea, reaching the height of 30 feet. Large white flowers, open in the evening and on cloudy days. Germination is greatly assisted if the hard shell of the seed is cut. Plant about 1 inch deep, in moist soil, in a box or seed-pan, and set in a warm place. If soil is kept moist, the seed will germinate in about two weeks. Set out the young plants as soon as all danger of frost is past, selecting a warm, sunny location. Pkt. 10 cts.

- 635B **PINK HYBRID MOONFLOWER.** In color, exquisite soft-lilac-pink. Of much easier cultivation than the preceding. Seeds germinate freely and plant commences to bloom profusely nearly as soon as the Morning Glory. Vines are of most rapid growth and will cover as much or more space than any other Moonflower, having enormous leaves. Blooms very profusely and will succeed wherever the Morning Glory will. Pkt. 10 cts.

fragrance—especially toward evening. 1 foot. Pkt. 5 cts., 1/4 oz. 15 cts.

Matricaria

Free-flowering annuals useful for groups, borders or pot culture. Fine for cut flowers. 1 1/2 feet.

- 611 **DOUBLE WHITE.** Pkt. 10 cts., 1/2 oz. 25 cts.
612 **DOUBLE YELLOW.** Pkt. 10 cts., 1/2 oz. 40 cts.

Mignonette (Reseda Odorata)

A well-known and popular hardy annual, prized for its delightful fragrance. Seeds sown in autumn will bloom in early spring, and when sown the last of July will come into flower in a few weeks and continue until cut down by frost.

- 614 **GOLDEN MACHET.** Long, massive spikes, with fragrant golden-yellow flowers. Pkt. 10 cts., 1/8 oz. 20 cts.
615 **GRANDIFLORA.** Improved, large-flowered. Sweet Mignonette. Pkt. 5 cts., 1/2 oz. 15 cts., oz. 25 cts.
616 **DEFIANCE.** Large spikes and extra-large individual florets. Pkt. 5 cts., 1/4 oz. 15 cts., oz. 75 cts.
617 **GIANT PYRAMIDAL.** (Crimson Giant.) Of branching growth; large, of reddish cast. Pkt. 5 cts., 1/4 oz. 15 cts., oz. 50 cts.
618 **GOLDEN QUEEN.** Golden yellow. Pkt. 5 cts., 1/2 oz. 15 cts., oz. 50 cts.



Mignonette

EVERYBODY KNOWS ROSS' SEED GROWS

Morning Glory

(*Convolvulus major*)

A well-known vine of easiest culture. Hardy annual. 10 feet.

- 636 **MIXED COLORS.** Pkt. 5 cts., ¼ oz. 15 cts., oz. 25 cts.
- 637 **JAPANESE GIANT MORNING-GLORIES.** The flowers of this strain are much larger than those of the common type, the range of colorings much greater, while the foliage is greatly varied and very attractive. The colors range from deepest purple through all shades of blue and red to pure white, in a great variety of beautiful blendings and markings. The vine is not so hardy nor so vigorous in its growth as the common type. Germination is assisted by soaking the seed in water for twenty-four hours before sowing. Tender annual. 8 feet. Pkt. 5 cts., ¼ oz. 15 cts., oz. 25 cts.
- MOUENING BRIDE.** See Scabiosa.
- MUSK PLANT.** See Mimulus.
- MORNING GLORY, DWARF.** See *Convolvulus minor*.

Nasturtium

No other annual plant combines in so great a degree ease of culture, profusion of bloom and grace and beauty of flowers as the Nasturtium. Also, it thrives on all soils except that which is very wet and succeeds on soil so poor that many other plants would fail to grow at all.

Tall Nasturtium

(*Tropaeolum majus*)

- 644 **COCCINIA.** Bright scarlet.
- 646 **DUNNETT'S ORANGE.** Bright orange, blotched red.
- 648 **EDWARD OTTO.** Brownish lilac.
- 654 **HEMISPHERICUM.** Straw-colored blotched rose.
- 656 **KING THEODORE.** Deep crimson-maroon; dark foliage.
- 658 **LUTEUM.** Clear light yellow.
- 662 **PEARL.** Very pale yellow, nearest approach to white.
- 666 **SALMON QUEEN.** (Improved Vesuvius.) Rich, but soft velvety salmon; dark foliage.
- 671 **VESUVIUS.** Salmon rose, dark leaved.
Each of the preceding varieties, pkt. 10 cts., oz. 20 cts., 2 ozs. 35 cts., ¼ lb. 60 cts.
- 672 **CHOICE MIXED.** Many varieties; a wide range of colors. Pkt. 5 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 40 cts., lb. \$1.40. See also, Worcester Mixed Tall Nasturtiums.
- GIANT-FLOWERED, TALL NASTURTIIUMS MIXED**
- 673 A choice selection of the largest flowered varieties and seedlings. Especially desirable for exhibition. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., 2 ozs. 40 cts., ¼ lb. 65 cts.

Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil, and bear their flowers in such locations in greater profusion than in a rich garden, where they run too much to leaves. This adds to their value for planting over many unsightly places.



Nasturtium

Lobb's Tall Nasturtium

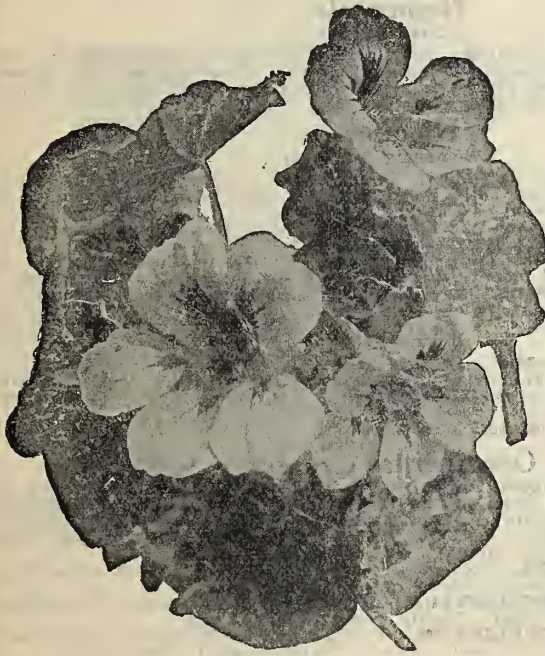
(*Tropaeolum Lobbianum*)

While both flowers and foliage are slightly smaller than those of the preceding common Nasturtium, this class is preferred by many because of the greater profusion of bloom and its more brilliant coloring.

- 675 **ASA GRAY.** Light yellow, almost white.
- 679 **BRILLIANT.** Dazzling scarlet.
- 681 **FIREFLY.** Deep orange, spotted red.
- 685 **GOLDEN QUEEN.** Clear, golden yellow.
- 687 **QUEEN OF THE BLACKS.** Deep, rich maroon. Dark foliage.
- 689 **LUCIFER.** Deep scarlet. Dark foliage.
- 700 **LOBBIANUM.** Choicest mixed. A mixture of all varieties of this desirable class. Pkt. 10 cts., oz. 20 cts., 2 ozs. 30 cts., ¼ lb. 50 cts.

Worcester Tall Mixed

- 705 **WORCESTER MIXED TALL NASTURTIIUMS.** Our own mixture of many varieties; comprises selections from all classes, including the New Variegated-Leaved, or Queen, and choice mixture from different growers. Of the greatest possible diversity of colors and types, but well-balanced, including larger proportions of the most desirable varieties. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.



Nasturtium



NASTURTIUM

(Continued)

Dwarf, or Tom Thumb Nasturtiums

While the flowers, not having as long stems, are perhaps not quite as desirable for cutting as those of the Tall Nasturtium, the Dwarf Nasturtium is not surpassed by any other annual plant for bedding, being of the easiest culture, thriving in nearly all soils and blooming profusely the entire season.

Except where otherwise noted, all of the following varieties at uniform prices. Pkt. 10 cts., oz. 20 cts., 2 ozs. 35 cts., ¼ lb. 60 cts.

- 713 **BEAUTY.** Orange with scarlet markings.
 714 **BRONZE-COLORED.** A very distinct and peculiar shade.
 718 **CLOVE OF GOLD.** Brilliant scarlet, foliage golden yellow.
 722 **CRYSTAL PALACE GEM.** Rich, sulphur-yellow, spotted carmine.
 724 **EMPRESS OF INDIA.** Dark scarlet, foliage distinct dark purplish green.
 726 **GOLDEN KING.** Rich golden yellow.
 730 **KING THEODORE.** Dark maroon; dark foliage.
 732 **KING OF TOM THUMBS.** Rich scarlet, dark foliage.
 736 **PEARL.** Light cream, nearly white.
 742 **RUBY KING.** Ruby-red, dark leaved.
 744 **VESUVIUS.** Rich salmon-pink.
 746 **CHOICE MIXED.** While not equal to the Worcester Mixed, of wide range of colors and will give pleasing results. Pkt. 5 cts., oz. 15 cts., 2 ozs. 25 cts., ¼ lb. 40 cts., lb. \$1.40.

Worcester Mixed Dwarf Nasturtium

- 747 Like the Worcester Tall Mixed, this is of our own preparation and cannot be surpassed in diversity of colors and types; includes all the named varieties and classes here described and other choice mixtures of noted growers. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.
 749 **VARIEGATED LEAVED, or QUEEN OF TOM THUMBS, MIXED.** A mixture of all the varieties yet named and several unnamed seedlings of this new, distinct and charming type. Of various distinct colors; shades—light primrose, deep scarlet, crimson and deep orange more or less veined or spotted with other colors. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts.



Nicotiana glauca

Photo reproduced of plant, showing its bushy habit and great production of flowers

Nemesia

A very valuable introduction—long blooming annual with large flowers, varying from creamy white to deep orange and carmine. Most useful for bedding. 1½ feet.
 756 **STRUMOSA SUTTONI.** Pkt. 15 cts.

Nemophila

(Love Grove)

An attractive hardy annual, bearing cup-shaped flowers about an inch in diameter, usually in shades of blue and white, often spotted with brown. Succeeds in cool, shaded places, in light but rather moist loam. 6 inches.
 757 **MIXED.** Pkt. 5 cts., ¼ oz. 15 cts.

Nicotiana

(Flowering Tobacco)

Handsome, effective, half-hardy annuals, blooming profusely the entire season and thriving in all soils. Seed may be sown early in the house or in the open ground as soon as the soil is warm.

- 758 **AFFINIS.** White, star-like flowers, deliciously fragrant, expands fully in the evening. 2 to 3 feet. Pkt. 5 cts.
 759 **SANDERAE.** Rose-carmine; remarkably profuse in bloom. Unlike the Affinis, is in full bloom during the day. 3 to 3½ feet. Pkt. 10 cts.
 760 **SANDERAE HYBRIDS.** New Hybrids, comprising several distinct colors or shades. Pkt. 10 cts.

Nigella

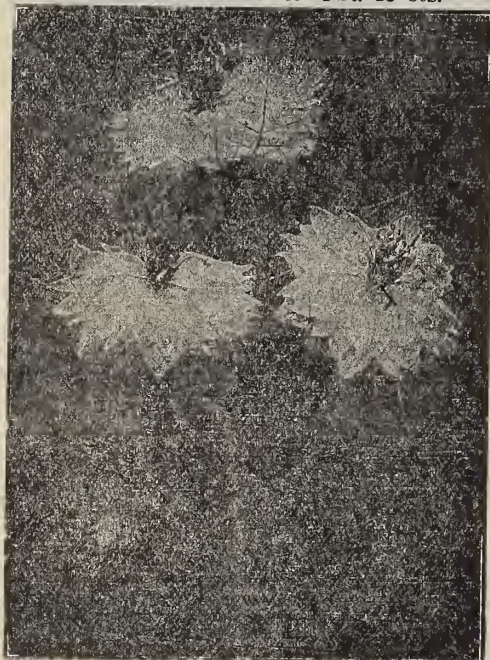
(Love-in-a-Mist; Lady-in-Green; Devil-in-a-Bush)

A favorite hardy annual of the easiest culture. The blue or white flowers are half hidden in the abundant finely cut foliage, hence its common names. 1 to 1½ feet.

- 761 **Blue and White. Mixed.** Pkt. 5 cts.

Ornamental Grasses

- 764 **AGROTIS NEBULOSA.** An airy and graceful annual grass, grows 18 inches high and looks like a line of mist when in bloom. Beautiful to mix with cut flowers. Pkt. 5 cts.
 765 **COIX LACHRYMA.** (Job's Tears.) 9 feet. Large, broad leaves, large shiny seed. Hardy annual. Pkt. 5 cts.
 766 **EULALIA ZEBRINA.** (Zebra Grass.) Dark green leaves crossed by yellowish white bars. Hardy annual. Pkt. 5 cts.
 767 **PENNISETUM LONGISTYLUM.** Graceful, drooping heads. Excellent for bouquets. 2 feet. Hardy annual. Pkt. 5 cts.
 768 **PENNISETUM RUPELLIANUM.** Foliage long and slender, the silvery plumes tinged with violet. 3 feet. Hardy annual. Pkt. 5 cts.



Nigella

EVERYBODY KNOWS ROSS' SEED GROWS

Pansies

Pansies are too well known to require any description, as they are favorites with all. For best results you must start with a good strain. The finest Pansies are, as a rule, shy seeders, which accounts for the difference in the price of the various mixtures offered.

Sow Pansy seed in August or September, in fresh, moist soil, cover lightly and press seeds in with a board. Keep the bed moist by watering, and if the weather is hot and dry by mulching with straw or by shading with cloth. The seeds will germinate in about two weeks, when the straw or cloth should be removed. In from four to six weeks, transplant to a slightly raised bed, setting the plants about 3 inches apart each way. Protect during winter with straw or leaves, and transplant to desired location early in the spring. Seed may be sown in the open ground in the spring as soon as soil can be fitted.

Note that our packets of Pansy seeds are larger than usually offered, rarely containing less than 200 seeds, and more often 250 to 350.

Gentlemen: Please send me 1½ ounces of Ross' Selected Giant Mixed Pansy Seed. We have been growing pansies here for twenty years and tried all the best strains, but we never had such a splendid variety of colors or such fine plants as we had from your seed. It might also interest you to know that we germinated about 30,000 plants from 1½ ounces of seed. I trust your seed this season will be of the same high standard.

Yours truly, H. J. Borowski & Sons, 168 Mt. Hope St.,
Roslindale, Mass. July 17, 1922.



Pansy

- 770 **BUGNOT'S SUPERB BLOTTCHED.** Rare shades of red, bronze or brown. Pkt. 25 cts., ¼ oz. 80 cts., ½ oz. \$1.40, oz. \$5.
- 771 **CASSIER'S GIANT BLOTCHED.** A very carefully selected strain of five blotched varieties remarkable for the enormous size of the flowers and the many rare combinations of shades and colors. Pkt. 25 cts., ¼ oz. 80 cts., ½ oz. \$1.40, oz. \$5.
- 773 **TRIMARDEAU GIANTS.** Flowers of the largest size, with a dark blotch on the three lower petals. Pkt. 10 cts., ¼ oz. 50 cts., ½ oz. 90 cts.
- 774 **TRIMARDEAU PARISIAN, LARGE-STAINED.** A beautiful improved strain mostly white ground and five-blotched varieties. Pkt. 15 cts., ¼ oz. 60 cts., ½ oz. \$1.00.
- 776 **MADAME PERRET. (Phenomena.)** A strain, distinctly beautiful pink, blotched or veined with rose, crimson, or purple, the upper petals either self-colored with rich wine-red or deep purple, or with a margin of white. Pkt. 15 cts., ¼ oz. 60 cts., ½ oz. \$1.00.
- 778 **MASTERPIECE. Ruffled Pansies.** A strain having ruffled and curled petals, giving the flowers the appearance of being double. Colors rich and striking. Pkt. 20 cts., ¼ oz. 70 cts., ½ oz. \$1.25.
- 779 **WORCESTER GIANT MIXED.** Our own selection of choice large-flowered strains and varieties, including a proportion of all the preceding strains, the named separate sorts, and several choice strains from different growers. Wonderful colors, shades and markings representing nearly every type of Pansy. Pkt. 15 cts., ¼ oz. 60 cts., ½ oz. \$1.00.

- 780 **ROSS' SELECTED GIANT MIXED.** This is one of the finest strains known, the flowers being of perfect form and richest colors. A Giant Pansy, excellent for growing in the frame or out of doors. See testimonial above. Pkt. 60 cts., 1/16 oz. \$1.00, ½ oz. \$1.75, ¼ oz. \$3.25, oz. \$12.00.
- 782 **LARGE FLOWERED MIXED.** Our own mixture of varieties. The range of colorings is excellent, and the mixture will be found very satisfactory. Pkt. 10 cts., ¼ oz. 50 cts., ½ oz. 90 cts.

- 783 **ENGLISH PRIZE MIXED.** Includes many with face-like markings of various shades. Pkt. 10 cts., ¼ oz. 60 cts.
- 785 **CHOICE MIXED.** A mixture of many varieties. Pkt. 10 cts., ¼ oz. 40 cts., ½ oz. 75 cts., oz. \$2.50.
- 786 **GIANT ADONIS.** Splendid light blue, with white center and dark blotches. Pkt. 10 cts., ¼ oz. 60 cts.
- 792 **GOLDEN QUEEN.** Pure yellow. Pkt. 10 cts., ¼ oz. 60 cts.
- 794 **INDIGO-BLUE.** New rich shade. Pkt. 10 cts., ¼ oz. 60 cts.
- 796 **KING OF THE BLACKS.** Pkt. 10 cts., ¼ oz. 60 cts.

- 800 **LORD BEACONFIELD.** Violet, shading to white at the top. Pkt. 10 cts., ¼ oz. 60 cts.
- 802 **MAUVE QUEEN.** New, beautiful mauve. Pkt. 10 cts., ¼ oz. 60 cts.
- 804 **Peacock.** Rich blue and purple, edged with white; very striking. Pkt. 10 cts., ¼ oz. 60 cts.
- 806 **RUBY KING.** Superb reddish shades. Pkt. 10 cts., ¼ oz. 60 cts.
- 808 **SNOWFLAKE.** Pure white. Pkt. 10 cts., ¼ oz. 60 cts.
- 810 **STRIPED.** Rich dark shades. Pkt. 10 cts., ¼ oz. 60 cts.
- 811 **YELLOW.** With large, black eye. Pkt. 10 cts., ¼ oz. 60 cts.

Petunia

The Petunia is easily grown, and, blooming profusely all summer, is very popular for bedding. It thrives best in a warm sunny location. Sow seed thinly where plants are to remain, in beds for transplanting, or, for early blooming, in the house in boxes. Almost invariably the weaker plants produce the finer flowers, especially of the choice strains.

- 812 **MIXED COLORS.** A fine mixture of the common small-flowered type. Pkt. 5 cts., ¼ oz. 15 cts., ½ oz. 25 cts., oz. 75 cts.
- 814 **FINEST MIXED.** A superior mixture. Pkt. 10 cts., ¼ oz. 20 cts., ½ oz. 40 cts., oz. \$1.50.
- 815 **STRIPED AND BLOTCHED MIXED.** A choice strain. Pkt. 10 cts., ¼ oz. 25 cts., ½ oz. 40 cts.
- 816 **HOWARD'S STAR.** Rich shade of maroon, with five-pointed star of white. Very pretty. Pkt. 10 cts., ¼ oz. 40 cts.
- 817 **DWARF INIMITABLE MIXED COLORS.** Dwarf, bushy plants, flowers mostly beautiful striped and blotched. Pkt. 10 cts., ¼ oz. 40 cts.
- 818 **ROSY MORN.** A single flower, color soft carmine pink. A profuse bloomer. Pkt. 10 cts., ¼ oz. 50 cts.
- 824 **GIANTS OF CALIFORNIA.** A superb strain. Flowers are of remarkable substance, enormous size and many are beautifully fringed. Of almost every conceivable shade; veined, striped or blotched with some contrasting shade. Plant of vigorous growth and blooms profusely. Pkt. 25 cts.
- 825 **DOUBLE, LARGE-FLOWERED, CHOICE MIXED.** An excellent mixture comprising a large variety of colors, with a good percentage of double flowers. Pkt. 50 cts.
- 826 **BALCONY BLUE.** Dwarf type for porch or window boxes. Pkt. 20 cts., 1/16 oz. 50 cts.
- 827 **BALCONY ROSE.** Pkt. 20 cts., 1/16 oz. 50 cts.



Petunia



Phlox Drummondii

Seed may be sown in the open ground early in the spring either where the plants are desired to bloom, or in beds, and the young plants set in the desired location when 2 or 3 inches high. The tall sorts should stand about 12 inches apart, the dwarf about 6 inches. The plants will be more bushy and cover the ground better if pinched off while small.

- 830 **Mixed Colors.** Pkt. 10 cts., ¼ oz. 15 cts., oz. 50 cts.
LARGE-FLOWERING. (Phlox Drummondii grandiflora.) A great improvement on the common type, both heads and florets being nearly twice as large.
 831 **Extra-Choice, Mixed Colors.** Our own mixture of the choicest and best strains from different growers. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.00.
 833 **ISABELLINA.** Pure yellow. Pkt. 10 cts., ½ oz. 30 cts.
DWARF. (P. Drummondii nana compacta.) The plants of this class, growing only 6 to 8 inches high, are considered by many, very desirable for bedding.
LARGE-FLOWERING DWARF. A new strain, combining the large heads and individual flowers of the Grandiflora type, with the dwarf compacta habit of the nana compacta.
 841 **Mixed Colors.** Pkt. 10 cts., ½ oz. 30 cts.
STAR, or FRINGED. (P. Drummondii Cuspidata.) A distinct class with petals partly fringed, partly toothed, and some longer than others and regularly placed, give the flowers a star-like shape.
 843 **Mixed Colors.** Pkt. 10 cts., ½ oz. 25 cts.
DOUBLE. Double and semi-double flowers. A very desirable class for cutting.
 845 **Mixed Colors.** Pkt. 10 cts.

Hardy Perennial Phlox

Hardy herbaceous perennial and quite distinct from the varieties of Phlox Drummondii offered above, which are annuals. The seed we offer has been saved from the best varieties and is supplied in mixture only.

- 847 **Choicest Mixed.** Pkt. 10 cts., ½ oz. 75 cts.

Platycodon

(Chinese Bellflower)

- 855 **GRANDIFLORUM.** One of the best hardy perennials, and one of the easiest grown, its propagation being more easily accomplished by seed than by division of the root. It forms clumps and is well adapted to the hardy border. Blooms from July to September. The flowers are large steel-blue, rather more open than bell-shaped, 2 to 2½ feet. Pkt. 10 cts.



Hardy Phlox

Polemonium

- 857 **COERULEUM.** A hardy perennial, very popular in olden times. Easily grown from seed, preferably sown in the fall. Large heads of showy blue flowers from May to August. 2 feet. Pkt. 5 cts.

Poppy

Well-known hardy plants of quick growth, blooming profusely for a considerable time, thriving best on light, sandy loam. Seed of the annual varieties should be sown as early in the spring as possible and where desired to bloom as they do much better when they start to grow in cool weather and are very difficult to transplant. The seed is fine and should be only slightly covered.

SINGLE ANNUAL POPPIES

- 860 **ADMIRAL.** Large, single, peony-flowered variety, glistening white, with broad band of brilliant scarlet at the top. Pkt. 10 cts.
 862 **DANEBOG, or DANISH CROSS.** Brilliant scarlet with white spots at base of each petal. Pkt. 5 cts.
 866 **THE BRIDE.** Large, pure white. Pkt. 5 cts.
 870 **SHIRLEY.** A lovely strain, comprising many delicate and rich shades, ranging from pure white through pink, rose, scarlet and red to the deepest crimson, the darker shades often having a margin of white. Many of the flowers have crimped or wavy petals, all are of fine silky texture, but of good substance, and not surpassed by any for cutting. Pkt. 5 cts., ¼ oz. 15 cts.
 871 **TRUE FLANDEERS.** The scarlet Poppy of the fields of Flanders, made famous in the great war, and familiar to all the members of the A. E. F. who served in Belgium and France. Adopted by the American Legion for their emblem. They do not attain as large a size as a well grown Shirley Poppy, but apart from the sentiment now attached to them, they are a decided acquisition. They flower the first season from spring-grown seed. Pkt. 10 cts., ¼ oz. 25 cts.

DOUBLE ANNUAL POPPIES

- 878 **CARNATION-FLOWERED.** Mixed. Fine, large, fringed flowers of many colors, a popular class. Pkt. 5 cts., oz. 20 cts.
 880 **CARDINAL.** Very large, pure cardinal-red; deeply cut, dark green foliage; very attractive. Pkt. 5 cts.
 884 **PEONY-FLOWERED.** Mixed. Large, globular flowers, resembling a peony. Pkt. 5 cts., oz. 20 cts.
 886 **SNOWDRIFT, or DOUBLE WHITE FRINGED.** Flowers from 3 to 4 inches across; very double and finely fringed. Pure white. Pkt. 5 cts.
 888 **WORCESTER MIXED.** Our own mixture of single and double annual varieties. All types and colors. Pkt. 5 cts., ¼ oz. 15 cts., oz. 50 cts.



Shirley Poppy



EVERYBODY KNOWS ROSS' SEED GROWS



Hardy Perennial Poppies

ICELAND POPPIES. Though hardy perennials, generally treated as annuals, blooming the first year, if seed is sown early. Of graceful habit, with fern-like foliage. They bloom profusely and, if no seed-pods are allowed to form, until October.

- 890 **White and Shades of Yellow and Orange.** Mixed. Pkt. 5 cts., $\frac{3}{8}$ oz. 20 cts.
ORIENTAL POPPIES. Extremely desirable for hardy perennial border; gorgeous blooms. Easily grown from seed sown either in late fall or early spring. They bloom the second spring from sowing, and though their season is short—about three weeks in June—they make a very effective display.
 892 **ORIENTALE.** Deep crimson flowers, with blotch of black on each petal. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.
 893 **NEW ORIENTALE HYBRIDS.** Flowers of enormous size, sometimes 6 inches or more in diameter and of many novel colors. Pkt. 10 cts.

Portulaca

Well known tender annuals, blooming profusely all summer. Thrive in most soils and locations, but succeed best in a light, sandy soil and sunny spot, enduring any amount of dry weather. Form a dazzling display when sown in masses.

- 894 **DOUBLE CHOICE MIXED.** Usually from fifty to sixty per cent of the flowers will come double. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 65 cts.
 895 **SINGLE SCARLET.** 896 Rose. 897 White. 898 Yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts.
 899 **SINGLE MIXED.** Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.

Primula

(Primrose)

PRIMULA SINENSIS (Chinese Primrose). A beautiful winter-blossom greenhouse perennial and one of the most pleasing for the home, blooming from December to spring. While its culture is not easy, it is by no means impossible for the amateur to raise fine, thrifty plants from seed. For early winter blooming seed should be sown the first week in April. Two sowings are advisable, but the second should not be later than the middle of May. Sow in well-drained shallow pans or boxes, using finely sifted loam, leaf mold and sand in equal parts. Cover lightly and water carefully, but well. Keep moist and in shade, and in a temperature of about 60 degrees. In summer keep in a cool, shady location, in window in a north window in a temperature of 45 degrees.

- 900 **CHOICEST MIXED.** Comprises the finest fringed varieties. Pkt. 35 cts.

PRIMULA OBCONICA. Easily grown. Seed sown in May will produce blooming plants by early fall. A beautiful pot plant and does well in the open ground in a cool, shady location if soil is strong, moist and rich. The treatment is about the same as of the Chinese Primrose except that the seeds should be sown in good porous soil, as they do not germinate well in leaf mold. The soil for final potting should be heavy and the plants should be kept in temperature of from 50 to 60 degrees.

- 901 **GRANDIFLORA.** Blooms profusely; white, shading to lilac. Pkt. 10 cts.
 902 **PRIMULA STELLATA.** Star-like flowers borne in clusters, producing a large variety of colors; plants are very graceful and fine for winter flowering. Pkt. 35 cts.

Hardy Primroses

Although known as a hardy perennial, these require in this climate some protection. They may be placed in a cold frame, or if protected with leaves covered by a box, they will live through our severest winters. They are among the best of the early-blooming plants.

ELATOR (Polyanthus). Excellent for either pot or outdoor. Colors mostly shades of yellow, and red and yellow.

- 903 **CHOICEST MIXED.** Pkt. 10 cts.
 904 **VULGARIS.** True, yellow English Primrose; canary yellow; fragrant. Pkt. 10 cts.

Pyrethrum

Well known hardy herbaceous perennials of easy culture.

- 910 **AUREUM** (Golden Feather). Golden foliage; small, white flowers. Cultivated for its foliage alone and usually treated as an annual. 1 foot. Pkt. 5 cts.
 913 **ROSEUM HYBRIDUM.** Blooms freely from June to September, bearing large-flowering, daisy-like flowers ranging from light pink to deep red, with bright yellow center; excellent for cutting. Pkt. 10 cts.
ROSE CHAMPION. See *Agrostemma Coronaria*.
ROSE OF HEAVEN. See *Agrostemma Coeli*.
RICINUS. See Castor Bean.
RESEDA. See Mignonette.

Rhodanthe

One of the finest everlasting flowers and an excellent plant for garden decoration. If flowers are gathered before they are fully expanded and dried in the shade, they will retain their color for years. Tender annual. 1 foot.

- 920 **MIXED COLORS.** All shades of pink, rose, crimson and white. Pkt. 5 cts.

Rocket—(Sweet)

(*Hesperis Matronalis*)

Hardy perennial plant of easy culture, bearing clusters of purple or white fragrant flowers. $1\frac{1}{2}$ feet.

- 921 **MIXED.** Pkt. 5 cts.

Rudbeckia

(Cone Flower)

To this family belong the favorite plant, Golden Glow, and the well-known wild flowers, Black-eyed Susan, or Yellow Ox-eye Daisy. Both the annual and the perennials are of the easiest culture and grow in nearly all soils and situations, thriving alike in partial shade or fully exposed to the sun.

- 923 **BICOLOR SUPERBA.** Free-blooming annual of dense, bushy growth, bearing on long stems, large, bright yellow flowers with velvety brown spots at base of petals, and disc or cone of brown. Excellent for cutting. 2 feet. Pkt. 5 cts.
 925 **NEUMANNI.** Large golden yellow flowers, with maroon cone. Very showy; blooms for a long time. One of the best hardy perennials. 2 feet. Pkt. 15 cts.
 926 **PURPUREA** (Echinacea; Giant Purple Cone-Flower). Large flowers, about 4 inches in diameter, reddish purple, with large cone of brown. Hardy perennial. 3 feet. Pkt. 15 cts.

Salpiglossis

(Velvet Flower; Painted Tongue)

Graceful, half-hardy annual, bearing from August to October, richly colored, funnel-shaped flowers, ranging from deepest purple to almost black and blue, through various shades of red, brown and yellow to creamy white, usually marbled or veined with several contrasting colors. These are borne on long, slender stems, and are excellent cutting, keeping well in water. Seed may be sown in the house the last of March or in the open ground in May. The plant succeeds best in deep, rich, rather light loam of medium moisture. 2 feet.

- 928 **GRANDIFLORA.** Choicest mixed. Extra large flowered strain. Pkt. 5 cts., $\frac{1}{2}$ oz. 20 cts.
 929 **EMPEROR.** Mixed colors. New type with one thick leading stem, flowers large and distinct in their beautiful veinings of gold. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

Salvia—(Scarlet Sage)

A mass of bloom from late summer until killed by frost; tender perennial, treated as an annual. Seed should be sown early indoors, or in hot bed and the plants set out when the weather has become warm.

- 935 **SPLENDENS GRANDIFLORA.** The well-known Scarlet Sage. 3 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
 936 **BONFIRE** (Clara Bedman). Compact bushy growth, blooms earlier and more profusely. Intense scarlet. 2 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
 937 **FARINACEA.** A perennial variety, but best grown as an annual. Seed sown in the open ground in May, blooming from July to frost. The fine light blue flowers are borne on long spikes held above the foliage. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
 938 **ZURICH.** One of the best of recent introductions; dwarf compact habit producing long, thick spikes of brilliant scarlet flowers blooming in July. Pkt. 20 cts.



Salvia



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Scabiosa—(Mourning Bride)

The flowers are large and double with a great variety of colors. Of easy culture and blooms freely from July until hard frost. Hardy annual, 2½ feet.

945 **LARGE-FLOWERED. Mixed Colors.** Fine, large, double flowers in a wide range of colors. Pkt. 5 cts., ¼ oz. 15 cts.

947 **CAUCASICA.** Flowers large, pale lilac, about 3 inches in diameter, in bloom all summer. Pkt. 10 cts., ¼ oz. 40 cts.

SCARLET RUNNER. See Beans—Ornamental varieties.

Schizanthus—(Butterfly, or Fringe Flower)

Beautiful, dainty, half-hardy annual. Seed may be sown in the open ground or in the house, and the plants set in the garden in May. Should be planted in a sheltered place or the plants tied to stakes, as the stems are very brittle and easily broken by strong winds. An excellent house-plant. 1 to 1½ feet.

948 **GRANDIFLORUS HYBRIDUS.** Very fine varieties. Pkt. 10 cts.

949—**WISETONENSIS.** Containing the most beautiful shades of white, pink, rose and crimson. Excellent for pot culture. Pkt. 25 cts.

Sensitive Plant—(Mimosa Pudica)

950 **PUDICA.** Globular heads of small pink flowers. Grown chiefly for the peculiar habit of the plant, the leaves closing and drooping at the slightest touch. Tender annual. 1½ feet. Pkt. 5 cts.

Shamrock

950A True, small-leaved variety. Imported seed. Pkt. 10 cts., ¼ oz. 40 cts.

Silene—(Catchfly)

Profuse flowering plants of easy culture. Seed of the annual sorts may be sown in the open ground early in the spring or in the fall if early bloom is desired.

951 **ARMERIA. Mixed (Common Catchfly).** Annual; blooms from July to September. White, pink and red. 1½ feet. Pkt. 5 cts.

953 **PENDULA COMPACTA.** Single and Double. Mixed colors. White, rose and red. Annual. Largely used for edgings. May to August. 6 inches. Pkt. 5 cts.

Smilax

955 **SMILAX.** A climbing plant, unsurpassed for its graceful foliage and orange-blossom fragrance of its flowers. Makes a fine pot or basket plant. Elegant for table decoration when cut. Pkt. 10 cts.

SNAPDRAGON. See Antirrhinum.

SOLANUM CAPSICASTRUM. See Jerusalem Cherry.

Stock—(Gilliflower)

One of the most popular annuals, remarkable for its profusion of bloom, brilliancy and diversity of colors and lasting quality of its flowers. Plants from seed sown inside in March or April commence to bloom in July and those from seed sown in the open ground in about ten weeks, and continue until frost. Plants grown in rich soil and well cared for, produce 30 to 90 per cent of double flowers.

957 **BEAUTY OF NICE.** Mammoth flowering. Delicate flesh pink extra large spike. Pkt. 10 cts., ¼ oz. 50 cts.

958 **MONTE BLANC.** Purest white. Pkt. 10 cts.

959 **MONTE CARLO.** Canary yellow. Pkt. 10 cts.

961 **SUMMER NIGHT.** Rich deep blue. Pkt. 10 cts.

DRESDEN PERPETUAL, or BRANCHING (Cut-and-Come-Again). A perpetual blooming class of branching habit; double, fragrant flowers. 2 feet.

967 **CHOICEST MIXED.** Pkt. 10 cts., 1/16 oz. 25 cts., ¼ oz. 40 cts.

LARGE-FLOWERED DOUBLE TEN WEEKS. A very choice strain, producing a very large per cent of double flowers. Fine for bedding. 1½ to 2 feet.

970 **CHOICEST MIXED.** Pkt. 10 cts., 1/16 oz. 25 cts., ¼ oz. 40 cts.

971 **DOUBLE TEN WEEKS. Mixed Colors.** Seeds grown in the open ground instead of in pots, therefore cheaper. A good range of colors. 1½ feet. Pkt. 5 cts., ¼ oz. 25 cts., ¼ oz. 40 cts.

Stokesia Cyanea—(Cornflower Aster)

973 **BLUE.** A beautiful, hardy perennial, growing about 2 feet high and bearing from August to hard frost, beautiful centaurea-like lavender-blue flowers among the best for cutting. Pkt. 10 cts.

974 **MIXED.** Containing many new colors. Pkt. 10 cts.

Sunflower Helianthus

The Sunflower grows well in all soils if fully exposed to the sun. The taller varieties make excellent background to other plants.

975 **CUCUMERIFOLIUS.** (Miniature Sunflower.) Small, single flower, rich yellow. 4 feet. Pkt. 5 cts., ½ oz. 15 cts.

976 **GLOBOSUS FISTULOSUS (Globe or Dahlia Sunflower).** Flowers large, double, of a rich saffron color. 6 feet. Pkt. 5 cts., ½ oz. 25 cts.

977 **RED SUNFLOWER.** The new Red Sunflower is easily grown from seed the same as all of the Helianthus family, and usually thrive in any sunny location with ordinary garden soil. Colors are not truly fixed and may produce some yellow blooms, but the larger pro-



Stock

portion are of a fine red, tipped yellow. Pkt. 15 cts., ¼ oz. 30 cts.

980 **NEW MINIATURE VARIETIES.** Many new varieties of the miniature type, of various shades of yellow and creamy white. Some are large, some have twisted petals and some black centers. Pkt. 10 cts., ¼ oz. 25 cts.

981 **PERKEO.** A distinct dwarf variety of the Miniature and growing only a foot high and blooming from the last of June until hard frost; is especially valuable for bedding. Pkt. 10 cts.

984 **DOUBLE CHRYSANTHEMUM-FLOWERED.** Flowers larger than the preceding; full and double. Orange-yellow. 5 feet. Pkt. 10 cts., ½ oz. 35 cts.

986 **RUSSIAN MAMMOTH.** Very large. 7 to 9 feet. Pkt. 5 cts., oz. 10 cts.

988 **MAXIMILIANA.** Flowers clear yellow with several rows of large petals and full center; continues in bloom late in the autumn. Hardy perennial. 6 feet. Pkt. 10 cts., ½ oz. 25 cts.

SWEET SULTAN. See Centaurea.

Sweet Peas

Grandiflora or Standard Varieties

Sweet Peas succeed best when planted very early in the spring. The soil should be at least of medium fertility and well prepared. Sow thickly in drills about 5 inches deep, but cover with but 2 inches of soil, filling the drill when plants are a few inches high. Seed may be sown in either single or double rows, the latter being preferable because more economical of space, and requiring only half as much material for support of the vines. For this purpose poultry netting is often used, but brush is better. The season of blooming will be prolonged if all flowers are cut and seed-pods not allowed to form.

All of the following varieties at uniform price. Pkt. 10 cts., oz. 20 cts., 2 ozs. 35 cts., ¼ lb. 65 cts.

995 **AMERICA.** White, striped and splashed with carmine.

1015 **BLACK KNIGHT.** Glossy, deep maroon; large, open form.

1025 **BLANCHE FERRY.** The popular pink and white.

1036 **CAPTAIN OF THE BLUES.** Purple, wings bright blue.

1045 **DOROTHY ECKFORD.** The largest pure white of this class.

1080 **FLOEA NORTON.** Almost true sky-blue.

1100 **JANET SCOTT.** Clear deep but bright pink. Large size, hooded form. The wings stand upright and are curled, giving the flower an unusual but rather attractive appearance.

1125 **KING EDWARD VII.** Crimson-scarlet, large; the best of this color.

1135 **LADY GRISEL HAMILTON.** Soft lavender, tinted with mauve in standard.

1150 **LORD NELSON.** The best dark blue. Distinct and a vigorous grower.



EVERYBODY KNOWS ROSS SEED GROWS



The Spencer-Waved or Giant Orchid- Flowered SWEET PEAS

Spencer Sweet Peas grown under the right condition should produce robust plants attaining a height of from 5 to 8 feet and for full development should not be less than six inches apart.

There are hundreds of the Orchid-flowered varieties of Sweet Peas; many of which are almost identical in color or some characteristic which all first class sorts should have. Our list contains only those varieties which we have found to be worthy of the growers' best attention and are selected because of some special merit.

All at uniform price except where noted. **Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00, postpaid.**

APPLE BLOSSOM SPENCER. Bright rose standard with wings of very light primrose flushed or tinted rose-carmine. Very large Spencer form.

ASTA OHN. Large flowers, waved and fluted in the standard with very large wavy wings, lavender, suffused or tinted with mauve; superior to any other lavender.

BARBARA. An excellent sort for exhibition or table decoration: a large salmon-orange and much superior to Earl Spencer, as it retains its original color.

BLANCHE FEREY SPENCER. Closely resembles the variety of the older type. Large, well waved and crinkled.

BLUE PICOTTE. Almost pure white except for a narrow edging of violet blue on the standard and wings. Flowers large and of fine form.

CONSTANCE HINTON. A beautiful white Spencer of enormous size. Young flowers usually tinted a trifle pink, but they soon turn pure white.

COUNTESS SPENCER.

The original of this type. Soft rose-pink, deepening somewhat at the edges.

DAINTY SPENCER.

White ground with beautiful plectate edge of rose pink.

DOBBIE'S CREAM. Rich primrose, perfect form, waved edge, usually four flowers on a stem.

DOBBIE'S SUNPROOF CRIMSON. Flowers are large and of fine Spencer form. A vigorous grower and a good variety for exhibition.

DORA. A beautiful large waved flower of great substance. The color is soft pink with white wings.

ELFRIDA PEARSON. The flowers are of extra large size, great substance and lasting quality when cut. They are nicely disposed on extremely long, stiff stems, invariably borne in fours. The vines bloom in wonderful profusion and are of such vigorous growth that the flowers frequently come with double standards. The color is lovely pink throughout, the buds and flowers being tinted with salmon pink.

ETTA DYKE. A superior strain of "White Spencer," larger, whiter, and better frilled.

FIERY CROSS. This sensational novelty was exhibited in 1916 and was received with great favor by the experts, and is now offered to the public as one of the leaders. The flowers are of good size and beautifully waved, but its greatest merit is its color, a brilliant fiery-scarlet, and its well-deserved name is truly descriptive.

FLORA NORTON SPENCER. Bright blue, with a little deeper tint of purple than the original Flora Norton. Large, both standard and wings are wavy.

FLORENCE NIGHTINGALE. Best soft lavender.

HAWLMARK PINK. Quite distinct from any other pink variety, the general effect being rose-pink suffused with salmon, undoubtedly the most beautiful pink Sweet Pea.

HERCULES. A magnificent soft rose-pink. The standard frequently measures two and one-half inches in diameter.

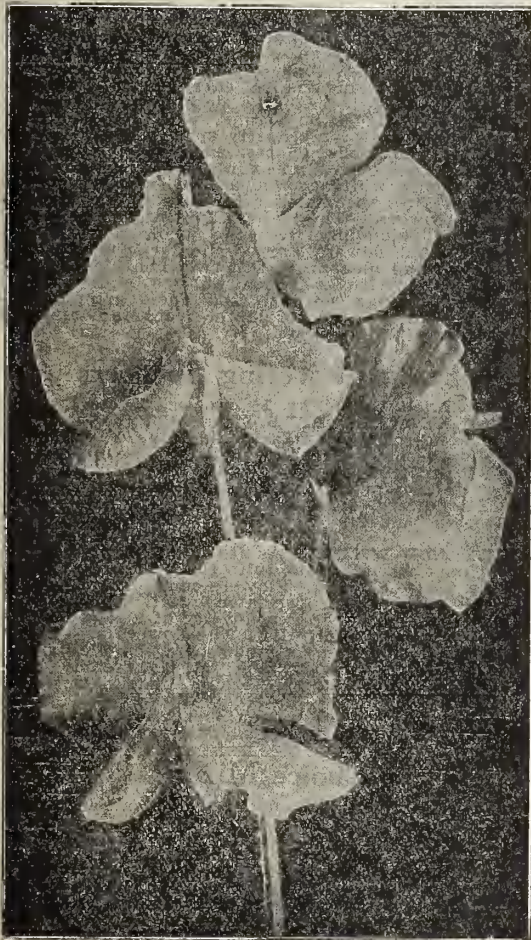
KING EDWARD SPENCER. Rich crimson-scarlet, large and of fine form; the best of this color.

KING WHITE. The grandest of all white Sweet Peas, and of the most up-to-date Spencer form. It is much the largest white Spencer—the buds are of exceptional size before opening, even the seed pods are unusually large. The stems are long and stout, and bear practically always four blossoms. King White created a sensation wherever shown.

MARGARET ATLEE. The largest and finest Sweet Peas yet introduced. It is a rosy salmon-pink on a creamy buff ground; a rich soft color, and extremely attractive, both as individual flowers and in the bunch. The standard is large, wavy and frequently double. The wings are also large, wavy, well set. There are usually four blossoms to a stem; well poised and graceful.



Asta Ohn



King White



Flora Norton Spencer

Sweet Pea Mixtures

Spencer Varieties and Seedlings Mixture

This is a superb mixture of Spencer or Giant Waved Flowered varieties. It contains not only the named kinds, but many of the unnamed seedlings. It must be remembered that the Spencer sorts do not come as true as the old standard kinds, but a very large percentage will be of the Spencer type with a waved flower. This is the very best mixture that you can buy and is well worth the difference in price. Postpaid, pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.

Our Best Mixed

1295 This mixture we make up ourselves of the choicest large flowered varieties, including the best of the standard varieties, all of the varieties of the New Giant and Orchid-Flowered, both of the Spencer and Unwin types and many of the unnamed Spencers. This mixture comprises all shades, but is blended in carefully studied proportions and is the most desirable and popular mixture which can be produced. Pkt. 10 cts., oz. 15 cts., ¼ lb. 50 cts., lb. \$1.75.

Spencer Sweet Peas— CONTINUED

OTHELLO SPENCEB. Of immense size with large drooping wings and large wavy standard; rich maroon, very dark.

ROYAL PURPLE. A new shade in Sweet Peas, a rich purple and almost a true royal purple. The same shade effect does not exist in the grandiflora type.

WARRIOR. Deep chocolate, almost black, unequalled for mixing with other shades for bouquets and table decorations. The darkest Sweet Pea introduced.

WEDGEWOOD. This is a unique shade of lovely light blue and completely eclipses the Flora Norton Spencer. The flowers are well waved in both standard and wings and are borne almost uniformly in sprays of four upon long, stout stems. Wedgewood is a color long sought for in Sweet Peas and has been eagerly welcomed by lovers of this beautiful annual.

WHITE SPENCEB. Pure white. Of the largest size, has beautifully poised wings and the standard is erect and wavy. Stems often 12 inches long.

Price of above: Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.00.

Two New Spencer Sweet Peas

CRIMSON KING. The color is a solid, rich, deep, clear crimson throughout, becoming richer in the throat. Absolutely no distinguishing difference between the color of standard and wings. The flowers are of precisely the same distinct color from bud to "passing off" stage. Entirely free from sunburn and wind scald at all times. The strong, straight stems, sixteen to eighteen inches long stand out well from the foliage and invariably carry more four fine blooms than three. The flowers or blooms are perfectly placed on strong, stiff stems and are seemingly always properly spaced. Packets containing 25 seeds, 25 cts. each.

YOUTH. The color is an exquisite pink picotte edge on a pure white ground and a combination that cannot fail to excite enthusiasm on the part of all growers. The delicately tinted white keel blends splendidly with the whole flower. The individual flowers are of the largest size, well waved and measure a full two inches across the standard with a depth of one and one-half inches, wings are one and one-quarter inches wide and the same in depth. Packets containing 12 seeds, 25 cts. each.

Early Flowering Spencers

Price, each, Pkt. 15 cts., oz. 75 cts.

EARLY HEATHER BELL. The color is a rich and pleasing mauve, but after standing in water the color becomes a beautiful mauve lavender.

EARLY SONGSTER. A splendid lavender, the color of "Masterpiece," and quite the best lavender. The flowers have less mauve than in our well-known variety, "Asta Ohn." They are perfect form.

EARLY ALL WHITE. As its name indicates, this is pure white and is quite the best early flowering White Spencer. Flowers come on long stems. This variety is appreciated by all florists.

YARRAWA. A Sweet Pea novelty of sterling merit, coming from Australia. The flowers are waved, of large size, many of them being double. Color, a soft, bright rose pink with a creamy base. One of the best for forcing under glass, and when grown out of doors blooms two weeks earlier than the Summer Spencers.

EARLY PINK AND WHITE. Giant pink and white.

Choice Mixed

1296 Also prepared by us; a well-blended mixture comprising many of the large-flowering varieties of the older type, and Eckford's Large-Flowering Hybrids in great variety. The mixture will compare favorably with those generally offered at a higher price, and is surpassed only by mixtures which, like our Best Mixed, contain the new orchid-flowering varieties. Pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. \$1.15.



EVERYBODY KNOWS ROSS' SEED GROWS



Sweet William

(*Dianthus Barbatu*s)

A splendid hardy biennial with large trusses of sweet and scented flowers produced in abundance. Seed should be sown at any time from early spring to the last of August, the late sown generally making as good plants as the early, and blooming to the full extent the following summer. 1½ feet.

- 1300 **SINGLE MIXED COLORS.** Pkt., 5 cts., ¼ oz. 15 cts.
- 1302 **HOLBORN GLORY.** A new strain of the auricular-eyed section; both the head and individual flowers are of the largest size and each of the latter shows a clear white eye; of an exceedingly wide range of colors. Pkt. 10 cts., ¼ oz. 35 cts.
- 1308 **DOUBLE LARGEST-FLOWERED.** Choicest mixed. A greatly improved strain. Pkt. 10 cts., ¼ oz. 25 cts.
- 1309 **SCARLET BEAUTY.** A very effective rich, deep, scarlet variety. Pkt. 10 cts.
- 1310 **EVERBLOOMING HYBRID** (*Dianthus latifolius atrococcineus* fl. pl.). A variety which blooms the first season from seed. Color, intense crimson-scarlet; a really fine, hardy plant of very easy culture. Pkt. 10 cts.

Thunbergia

- 1315 **MIXED.** An annual vine, growing about 4 feet high, bearing medium-sized flowers, white, buff or orange, with dark eye. Largely used in hanging baskets or window boxes. Pkt. 10 cts.

Tritoma

- 1317 **TRITOMA** (Red-Hot Poker Plant, or Flame Flower). H. P. Magnificent, large spikes of orange-red flowers, attaining a height of 4 feet; effective in single clumps or among shrubbery. Pkt. 10 cts.

Verbena

Favorite annuals, thriving in nearly all soils. Useful for beds, borders, carpeting ground and vases. Plants from seed sown in open ground in May will begin to bloom in August, and those sown inside in March will bloom from June until frost.

- 1320 **MIXED COLORS.** A good strain, all colors of old type. Pkt. 5 cts., ¼ oz. 25 cts.
- 1321 **MAMMOTH MIXED COLORS.** Comprises the best large flowering sorts of many colors. Pkt. 10 cts., ¼ oz. 40 cts.
- 1322 **SCARLET DEFIANCE.** Large trusses of deep, rich scarlet. Pkt. 10 cts.
- 1323 **MAMMOTH WHITE.** Truss and flowers large, fragrant. Pkt. 10 cts.
- 1324 **ITALIAN STRIPED.** Large trusses of medium-sized flowers, each distinctly striped. Pkt. 10 cts.
- 1325 **"BURBANK'S GIANT MAYFLOWER."** A selected strain from Luther Burbank, having a powerful fragrance like that of the Trailing Arbutus. The flowers are of the largest size and most beautiful colors. Pkt. 15 cts., 2 pkts. 25 cts.
- 1326 **LEMON.** An old favorite with delightfully scented foliage. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter. Pkt. 10 cts.

Veronica

- 1330 One of the prettiest of the spring flowering herbaceous plants, bearing pretty blue flowers on long spikes. Valuable both for the garden and for cut flowers. They should be in every garden. Hardy perennial mixed. Pkt. 10 cts.

Viola Cornuta

(Tufted Pansies)

Flowers are not so large as the Pansy proper, but is very desirable, as it blooms profusely and is more quickly and easily grown. Seed sown in April will produce blooming plants in June that will be covered with flowers for a long time, and, if planted in cool, moist soil, partly shaded, nearly all summer.

- 1335 **MIXED TUFTED PANSIES.** Finest mixture of all colors. Pkt. 10 cts., ½ oz. 35 cts., ¼ oz. 60 cts.

Wallflower

Half-hardy perennial. A universal favorite in England. Though a fine bedding plant, is not well known in America. It is more often grown as a pot plant and for this purpose is well adapted. The flowers are very often fragrant and usually of various shades of yellow, brown and reddish brown. Seed may be sown in the open ground in the spring when warm and, if given about 12 inches of room, will make strong, stocky plants for winter bloom.

- 1340 **SINGLE.** Mixed colors. Pkt. 5 cts.
- 1341 **DOUBLE BRANCHING.** Mixed colors. Pkt. 10 cts.
- 1342 **PARIS EXTRA-EARLY.** A new single-flowered strain, blooming throughout the season, from spring-sown seed. Colors, light brown, brownish-red, yellow and creamy-white. Mixed. Pkt. 10 cts., ¼ oz. 20 cts.

Wild Cucumber Vine

- 1346 **WILD** (*Echinocystis lobata*). One of the most rapid-growing of all annual climbers and blooms early in the season and continuously until fall. Of the easiest culture, growing wild in the West from self-sown seed. One of the most desirable annual climbers for quickly covering any unsightly object, growing 30 feet, covered with small white, fragrant flowers, followed by an abundance of prickly but ornamental seed-pods, it at all times presents a striking and effective appearance. Seed may be sown either in the fall or spring. Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts.



Mammoth Zinnia

Zinnia

(Youth and Old Age)

The most gorgeous annuals with a wonderful range of color. Beautiful old rose, dainty cream, striking red and brilliant yellow flowers of velvety texture, extremely double with long stems and good keeping qualities, make this old-fashioned flower a joy in the garden. The Mammoth varieties produce such enormous blooms they appear as greenhouse Chrysanthemums that have mistaken their time and place of flowering. If you want but one annual plant this. The plants may be taken up when in full bloom and transplanted without any visible effect.

- 1350 **MIXED COLORS.** An improved strain, comprising all colors and many large flowers. 2 feet. Pkt. 5 cts., ¼ oz. 15 cts., oz. 50 cts.

Mammoth Flowered Zinnia

These grand annuals are of the Giant or Mammoth flowering type and are in every way superior to the old-fashioned "Youth and Old Age."

The plants grow from 2½ to 3 feet high and are covered with myriads of densely double flowers, measuring from 4 to 6 inches in diameter. Giant Zinnias are one of the best plants for beds, borders and cutting.

- 1351 **Mammoth Crimson.** 1352 **Mammoth White.** 1353 **Mammoth Scarlet.** 1354 **Mammoth Yellow.** Each, pkt. 10 cts., ¼ oz. 25 cts.
- 1358 **MAMMOTH.** Mixed colors. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.
- 1360 **CURLED AND CRESTED.** A pleasing variation from the regular type, the petals being twisted, curled and crested. All colors. 2½ feet. Pkt. 10 cts., ¼ oz. 25 cts.
- 1362 **ZEBRA.** Striped flowers, the colors varying on each plant. Pkt. 10 cts., ¼ oz. 25 cts.
- 1363 **LILLIPUT** (Pompon). Small, double flowers of many colors. Very profuse. 1½ feet. Pkt. 10 cts., ¼ oz. 25 cts.
- 1364 **HAAGEANNA** fl. pl. (Mexican Zinnia). A distinct type with small, pretty double and semi-double flowers which would hardly be recognized as Zinnias by those unfamiliar with the type. Of dwarf and slender growth, the plant is excellent for bedding, while the deep orange flowers are good for cutting. Pkt. 10 cts.

Gentlemen:—My shipment of seeds arrived in first class condition and are fine specimens of their respective kinds.

I wish to thank you for the prompt attention and careful packing you gave my order and will say that I know where to go for first-class goods and attention.

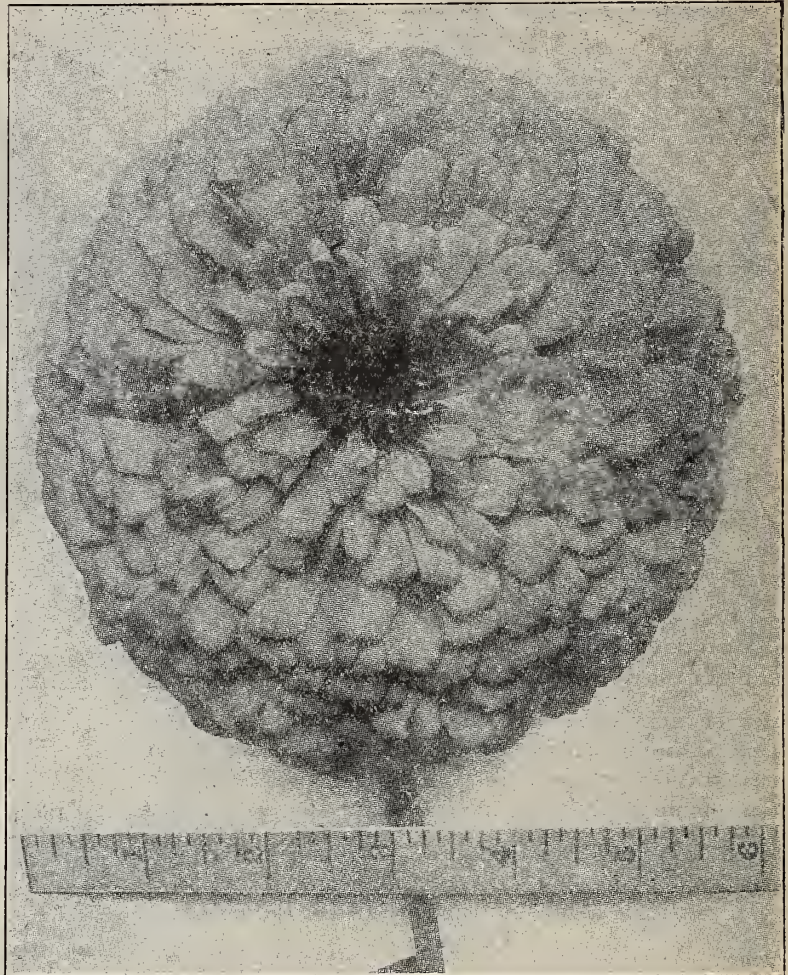
Yours truly,
EDWARD T. FORD.



Zinnia New Giant Dahlia Flowered

This splendid new and distinct race is without a doubt the greatest improvement in Zinnias yet developed and will greatly increase the popularity of this flower. The plants are of strong, vigorous habit, from 2½ to 3 feet high, and produce mammoth flowers 4 to 6 inches across and 2½ to 3 inches deep. The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers so closely resembling decorative Dahlias, that when placed by their side, it is difficult to distinguish one from the other. This new variety is also valuable for growing under glass for cutting.

- 1366 **BUTTERCUP.** An immense deep creamy yellow. A very desirable flower, which should be included in every collection.
- 1368 **CRIMSON MONARCH.** By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit.
- 1370 **DREAM.** A fine, deep lavender, turning to purple (Mallow Purple) a new, desirable shade in Zinnias.
- 1372 **EXQUISITE.** By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color light rose with center a deep rose. (Tyrian Rose.)
- 1374 **ORIOLE.** We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. Our cultures are limited, and we can offer Oriole in small quantities only this year.
- 1376 **OLD ROSE.** This is adequately described by its name, as it is of the real Old Rose Shade; it is large, and for charm and beauty we consider it ranks next to Exquisite.
- 1378 **POLAR BEAR.** A very large pure white, the best white yet seen in Zinnias. True Dahlia form. Each of the above, pkt. 25 cts., 5 pkts. \$1.00.
- 1380 **SPECIAL MIXTURE.** A well blended mixture containing all the above novelties. Pkt. 20 cts., ½ oz. 40 cts.



1386 WILD FLOWER GARDEN MIXTURE
 A mixture of many free-blooming annuals which, once sown, require little care, and, sown in this way, almost none. In fact, with the exceptions of thinning out some plants where they grow too thickly and removing an occasional weed, the bed often looks better left alone, is more in keeping with its name, and more like some lovely spots where wild plants grow. The possibilities of this mixture are great, the different seasons of blooming insuring constant succession of flowers from early in the season until hard frost, and in the height of bloom, some new flower nearly every day. It affords a very easy and cheap way to quickly fill large areas of any unsightly place, and the results will surprise those who never saw a wild-flower garden; not only will the bed be attractive, but also will furnish many good flowers for cutting. To insure the greatest possible variety, the bed should be quite large. Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts.

Cinnamon Vine

A beautiful hardy climber of extremely rapid growth, growing the first season from 15 to 30 feet and, when the root becomes fully established, to a much greater length.

THE WORCESTER "DOLLAR" COLLECTION OF ANNUAL FLOWERS

Twenty-two packets postpaid for \$1.00

- Each the best in its class. With one of these collections you can have flowers all Summer.
- Ageratum, Little Dorrit.
- Alyssum, Little Dorrit.
- Aster, Worcester Mixed.
- Balsam, Choice Mixed.
- Batchelor's Button, Single and Double Mixed.
- Calendula, Choice Mixed.

- California Poppy, Mixed Colors.
- Calliopsis, Mixed Colors.
- Candytuft, Mixed Colors.
- Cosmos, Early Flowering, Mixed.
- Dianthus, Worcester Mixed.
- Four O'Clock, Mixed Colors.
- Marigold, African Double Mixed.
- Mignonette, Grandiflora, Mixed.

- Nasturtium, Dwarf Worcester Mixed.
- Petunia, Finest Mixed.
- Phlox Drummondii, Mixed.
- Poppy, Worcester Mixed.
- Portulaca, Single Mixed.
- Scabiosa, Mixed Colors.
- Sweet Peas, Spencer Varieties Mixed.
- Zinnia, Mammoth Mixed Colors.

The above collection will be sent postpaid to any address for \$1.00.

The leaves are green, with tinge of bronze and are very attractive. The flowers are white, borne in clusters, and of no great beauty, but of a delightful cinnamon-like fragrance. The vine dies at the end of the season, but the root is hardy, living for years and increasing in size and vigor each season. Postpaid, extra-large roots, each 10 cts., 3 for 25 cts., doz. 90 cts.

Madeira Vine

A rapid-growing climber with beautiful, thick, glossy wax-like leaves and bearing profusely in graceful feathery racemes, white flowers which have a fragrance resembling mignonette. Plant when ground becomes warm. Store tubers in a cold, dry place during winter. Postpaid, each 10 cts., doz. 90 cts.

Tuberose

Bulbs may be started in the house for early flowers, or they may be planted in the open border, but not earlier than June in this latitude.

EXCELSIOR DWARF PEARL. Improved strain; plant of dwarf habit, blooms earlier and flowers are more double than old strain. Extra large bulbs, postpaid, 15 cts. each, 4 for 50 cts., doz. \$1.40.



EVERYBODY KNOWS ROSS' SEED GROWS



Best Quality Cannas

Dormant roots of the varieties listed below until May 1st only—unless otherwise noted. Each 20 cts., 3 for 50 cts., doz. \$1.75 postpaid.

For a brilliant show all summer there is no plant excelling the Canna; it even surpasses the Geranium in its gorgeous display of brilliant colors, blooming continuously from the time of planting until cut down by frost. Plant 18 inches apart each way.

BRANDYWINE. Foliage luxuriant and of the darkest hue. Flowers large, intense, wine-red, beautifully mottled with deep crimson; two or three petals sometimes narrowly edged with bright gold. 4 to 5 feet high.

CITY OF PORTLAND. 3½ feet. Distinct among the several really worth while pink Cannas. A deep pink which does not fade during the hot weather. A free-bloomer, with flowers borne well above the foliage.

ITALIA. Orchid-like flowers; center brilliant red; wide, irregular margin of yellow. 5 feet.

LOUISIANA. Strong, vigorous grower; attains a height of 7 feet; producing a dense mass of glossy green foliage and large, vivid scarlet flowers.

THE PRESIDENT. Height 4 feet. In color, a rich, glowing scarlet and the immense, firm rounded flowers, 7 inches across when open, are produced on strong, erect stalks well above the large, rich green foliage. Each 35 cts., doz. \$2.75.

WYOMING. Might be called King of the Giants, for it is one of the most majestic, with the double attraction of having a luxuriant growth of rich purple foliage. Above this are borne great plumes of massive orange-colored blossoms, true orchid-shaped with large rounded petals.

WINTZERS COLOSSAL. 5 foot. Green foliage. A striking vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses.

YELLOW KING HUMBERT. A sport of that most popular of all Cannas, King Humbert, producing larger flowers of a beautiful shade of yellow, lightly spotted red, with green foliage, five and six clusters of flowers at a time.

Strawberry Plants

Plants are pruned ready for setting and tied in bunches of 26, properly packed to reach you in good condition. All plants are growing when the order is received. No cold storage plants. Delays by hard rains are taken care of as soon as conditions permit. We have never had better plants than we have this season and can guarantee better service than ever from our grower. All orders will be shipped direct from the nursery in New Hampshire. Mail your orders early to avoid possible delay. All varieties perfect bloom. While it is not our custom to substitute we feel that in the event of our being sold out of any variety it would be to the advantage of our patrons to allow us this privilege. Price unless otherwise noted: 100, \$2.00; 500, \$8.00; 1,000, \$14.00. Postpaid.

ABINGTON. A fine variety of mild flavor. A favorite with many growers.

AUGUST LUTHER. A large sweet berry that ripens all over and is the first to arrive. Named for the originator, not for the month.

FIRST QUALITY. The name fits is all that needs to be said about it.

HERITAGE. Plants are large and deeply rooted. Berries dark color and late.

HOWARD 17. It is a firm berry and therefore a good shipper. Color, rich red with a fine gloss. 100, \$2.75; 500, \$11.00; 1,000, \$20.00.

JOE. A tart berry, fine for canning.

McALPIN. Good quality and size. Holds its berries out of dirt better than any other kind we grow, says a Southern grower. A good recommend.

SENATOR DUNLAP. A dark red berry, excellent flavor.





GLADIOLUS

All Gladiolus postpaid at prices quoted.

In diversity, beauty and magnificence, no other flower which can be so easily grown and with which success is so nearly certain, can at all times compare with the Gladiolus. The range of colorings and markings is practically unlimited and especially since the introduction of the thousands of new seedlings may the claim be made that the varieties are numberless. As a cut flower for vases, within the scope of the amateur no other flowers equal the Gladiolus in striking and effective appearance, and, in lasting quality, but few, if any, compare. If the spikes are cut when only the lower flowers are open they will last for a week, the upper buds opening when kept in fresh water as well or better than when left to open outdoors.

CULTURE—Plant in full exposure to the sun. A light, moist soil one year from sod is the most desirable, but the Gladiolus thrives well in nearly all soils, the exception being a stiff, clayey one. While soil should be well enriched, avoid using fresh manure; use only that which is well rotted. Much the better way is to use land that was well manured the previous year, using none at the time of planting, but giving afterward one or two applications of commercial fertilizer. If possible, avoid planting in the same place for three years.

If space is limited, bulbs may be planted in double rows, four inches between the rows and two inches apart in the row; they are, however, more generally planted in single rows about one foot apart, two, three or four inches deep, according to size. The first planting may be made by the middle of April and successive ones till the first of June, but for the late planting, bulbs should be reserved.

AMERICA. One of the finest Gladiolus known. The plant is of vigorous growth, with luxuriant foliage and producing spikes two to three feet long. The flowers are very large and of an exquisite shade of soft flesh-pink. Each 5 cts., doz. 50 cts., 100 \$4.00.

BARON HULOT, or BLUE KING. A really fine blue Gladiolus, in color a rich royal violet blue; very effective when cut and used in conjunction with Sulphur King or other yellow variety. Each, 10 cts., doz. \$1.00, 100 \$7.50.



Peace

CRACKER JACK. Dark red of a rich, velvety texture; blotch of maroon on a yellow ground. Each 5 cts., doz. 50 cts., 100 \$4.00.

EMPRESS OF INDIA. Rich, velvety maroon with white blotch in the throat, the darkest Gladiolus. A very handsome flower. Each 10 cts., doz. \$1.00, 100 \$7.50.

EUROPA. Snowy white; the finest pure white variety yet offered. Awarded certificate of merit at London, Berlin and Paris. Each 15 cts., doz. \$1.50, 100 \$10.00.

FLOBA. Beautiful golden yellow, large pure flowers. Each 15 cts., doz. \$1.50, 100 \$10.00.

GLORY OF HOLLAND. Very fine white, tinted rose. Each 12 cts., doz. \$1.20, 100 \$8.00.

GOLDEN MEASURE. Very large, dark golden yellow; the best in the yellows. Each 20 cts., doz. \$2.00, 100 \$12.00.

GRETCHEN ZANG. Large, heavy blooms; a beautiful, soft shade of pink, blending into scarlet on lower petals. Each 10 cts., doz. \$1.00, 100 \$7.50.

HERADA. Blooms of immense size on tall straight spikes; the color is pure mauve, glistening and clear with deeper markings in throat. Each 15 cts., doz. \$1.50, 100 \$10.00.

HALLEY. Delicate salmon-pink predominates, with a slight rosy tinge, lower petals have a creamy blotch with a bright red stripe in center. Each 8 cts., doz. 90 cts., 100 \$6.50.

IDA VAN. A beautiful deep salmon red, or flaming orange pink. Each 5 cts., doz. 50 cts., 100 \$4.00.



Glory of Holland



EVERYBODY KNOWS ROSS' SEED GROWS



GLADIOLUS—Continued All Gladiolus sent postpaid at prices quoted.



America

- LE MARSHALL FOCH.** Flower is of immense size, well opened and beautifully ruffled. The color is a warm salmon pink, flaked and striped deeper salmon towards the edges of petals. It is a most unusual and striking flower, and is universally admired. **Each 15 cts., doz. \$1.50, 100, \$10.00.**
- LIEBESFEUER.** Fiery scarlet with orange shading. **Each 20 cts., doz. \$2.00.**
- L'IMMACULEE.** Pure white; early; large spikes; fine for cutting. **Each 10 cts., doz. \$1.00, 100, \$7.50.**
- LOUISE.** The showiest of all Gladioli; wherever shown, meets with favor; distinct in form; clear, pure lavender; a blotch of velvet red towards center; resembles the orchid color; the flowers have been used as a substitute for orchids by leading florists; this is one variety that differs from all others; big flower; free grower; this variety is in a class by itself. **Each 10 cts., doz. \$1.00, 100, \$7.50.**
- LOVELINESS.** Rich creamy white suffused with soft rose pink; lower petals pale yellow, lines of carmine. One of the finest. **Each 15 cts., doz. \$1.50, 100, \$10.00.**
- MARY FENNEL.** Beautiful deep lavender flowers on tall slender spikes; lower petals penciled with primrose-yellow. **Each 15 cts., doz. \$1.50, 100, \$10.00.**
- MR. MARK.** Light blue with darker spot. **Each 10 cts., doz. \$1.00, 100, \$7.50.**
- MRS. DE. NORTON.** Very large and well open flowers, well set on a tall and graceful spike, four to eight flowers in bloom at one time. Color white, the edges suffused with soft La France pink. Three lower petals have a blotch of sulphur yellow, stained at the base with fine specks of Tyrian pink. Strong and vigorous grower, and very free flowering. **Each 15 cts., doz. \$1.50, 100, \$10.00.**
- MRS. FRANCIS KING.** A new variety which excited great comment and admiration, both for size of flower and beauty; the color of the flower is light scarlet; the flowers are very large, usually measuring from 3½ to 4 inches in diameter. **Each 8 cts., doz. 90 cts., 100, \$6.50.**
- MRS. FRANK PENDLETON.** Large open flowers of light pink with dark red blotch at throat. Flowers well set on exceedingly tall spike. A very attractive and strong growing kind. **Each 8 cts., doz. 90 cts., 100, \$6.50.**
- MYRTLE.** Tender and delicate rose pink. One of the most beautiful pink varieties yet introduced. **Each 10 cts., doz. \$1.00, 100, \$7.50.**
- NIAGARA.** A shade of rich cream combined with canary yellow; the individual flowers are very large and are borne in pairs, one opposite the other. **Each 8 cts., doz. 90 cts., 100, \$6.50.**
- PANAMA** (Seedling of America). Long spike, color deeper pink than America, admired by all who have seen it in flower. **Each 8 cts., doz. 90 cts., 100, \$6.50.**
- PEACE.** Fine large white with wine pencilings on lower petals. Very good, strong and healthy. **Each 8 cts., doz. 90 cts., 100, \$6.50.**
- PINK PERFECTION.** Rose pink, with 8 to 10 flowers open at one time. The flowers are well expanded and of perfect form. **Each 15 cts., doz. \$1.50, 100, \$10.00.**
- PRIDE OF GOSHEN (K).** One of Kundred's giant ruffled Gladiolus; color salmon or flesh pink; petals elegantly waved. **Each 10 cts., doz. \$1.00, 100, \$7.50.**
- PRINCE OF WALES.** Beautifully shaded apricot, with brush-marks of orange on a yellow-tinted throat. Perfect in form, large in size, with a good stem, and one of the first to bloom. **Each 10 cts., doz. \$1.00, 100, \$7.50.**
- RED EMPEROR.** Very large flower of bright scarlet color. A choice red. **Each 15 cts., doz. \$1.50, 100, \$10.00.**
- ROUGE TORCH.** Amber white, suffused with salmon-carmine, blotched with deep carmine red. **Each 8 cts., doz. 90 cts., 100, \$6.50.**
- SCHWABEN.** Canary yellow shading to sulphur; stripes of carmine on lower petals. Blossoms large. Stalks tall and straight. **Each 8 cts., doz. 90 cts., 100, \$6.50.**
- SULPHUR KING.** A long spike of clear sulphur yellow flowers. The best yellow in Gladiolus. **Each 10 cts., doz. \$1.00, 100, \$7.50.**

WAE. Deep blood red, shaded crimson. One of the largest and finest of the red Gladioli. **Each 10 cts., doz. \$1.00, 100, \$7.50.**

WILBRINK. Sport of Halley. It retains the earliness of that variety, but has a delicate pale pink color, somewhat similar to "America." **Each, 10 cts., doz. \$1.00, 100, \$7.50.**

YELLOW HAMMER. Pure yellow with a little red mark in the throat. **Each 10 cts., doz. \$1.00, 100, \$7.50.**

Our Worcester Mixture—Better Than Ever

A mixture of our own preparation comprising many named varieties, selections from all classes, unsurpassed in diversity of both colors and types and in quality of flowers. Includes a good proportion of white and light shades and well balanced generally in proportion of colors. We consider this mixture the best value we offer. **Doz. 60 cts., 100, \$4.50.**

OUR CHOICE MIXTURE. We are making this just as good as we can for the price. It does not contain all the varieties which are included in the Worcester mixture, but it has been our purpose to make this better each year, and we know that this season it will be the best mixture that can be purchased for the price. **Doz. 40 cts., 100, \$3.00.**

Primulinus Hybrids

The original of this type introduced in South Africa has been very much improved by crossing with choice garden varieties and the mixed hybrids which we offer are sure to produce some beautiful flowers. The colors are bright and varied with an undertone of yellow; from pure yellow to the deepest orange and from soft salmon pink to rich crimson.

ALICE TIPLADY (Prim.). A grand, large vigorous saffron-colored Primulinus, extra fine. Strong grower. Exceptional cut flower. **Each 10 cts., doz. \$1.00.**

DOROTHY WHEELER. Richest rose pink with lighter throat. **Each 10 cts., doz. \$1.00.**

MAIDEN'S BLUSH. Enchantress pink. Well shaped flowers on slim strong stem, the earliest of all forcing varieties. **Each 10 cts., doz. \$1.00.**

ROANOKE (Prim.). Vigorous and large. Rich yellow. **Each 10 cts., doz. \$1.00.**

STANDARD MIXTURE. This mixture is made up of good standard sorts in a big variety and should not be compared with the bargain mixtures of culls and discarded kinds often offered. We recommend this mixture to those who desire a quantity of good flowers without special reference to color effect. **Each 5 cts., doz. 50 cts., 100, \$4.00.**



All Dahlias sent postpaid at prices quoted.

New and Rare Dahlias

- LILY GRAND.** A massive pure white of great depth and substance. The habit of the plant is dwarf; the large flowers are produced in profusion and were so numerous at times that the bushes looked like a huge snowbank. It is a grand exhibition variety. Tubers \$1.00 each.
- MARGARET E. MILLIS.** (Hybrid.) (Millis.) A wonderful bloomer on good stems. The coloring is amaranth-pink combined with white in a streaked effect. The flowers are very deep and large with petals inclined to twist. This variety shows up in the field in a manner that makes it very conspicuous and attractive and we can recommend it highly. \$2.00 each.
- MRS. I. DE VER WARNER** (Marean). Large, perfect flowers of charming color; a deep mauve-pink, on stout stems. A good grower and free bloomer. This is extra good. \$2.00 each.
- MRS. CARL SALBACH.** (Salbach.) A sensational Decorative Dahlia of great size, which is destined to become a favorite throughout the entire world. It is one of the largest California Dahlias. In color, a mauve pink, with occasional blendings of white; the general impression being pink. For exhibition purposes this new creation is very desirable, it being a winner everywhere it has been exhibited. \$2.00 each.
- PAUL MICHAEL.** H. C. Deep orange buff, shading to old rose on the reverse of petals. One of the largest dahlias to date. Blooms held high above the foliage. \$2.00 each.
- TOM LUNDY.** Hybrid Cact. An immense, dark, rich crimson flower. Petals long, narrow and flat in great numbers, giving a large massive flower. A great favorite; good plant and profuse bloomer. Price \$1.00 each.
- YELLOW MONS. LE NOEMAND.** (Charmet.) Giant French Decorative Dahlia. An early and continuous bloomer, of good habit, producing its immense flowers on long stiff stems. In color a rich golden yellow, with occasional reddish markings. The largest and finest of this color. One of the most satisfactory garden varieties and equally good as an exhibition sort. \$1.00 each.

Up-to-Date Decorative Dahlias

- BREAK O'DAY.** A delicate, clear sulphur yellow, tinting to sulphur white at the tips. Flowers held on long, stiff stems. 50 cts. each.
- DR. TEVIS.** Beautiful shade of salmon-rose, suffused with old gold. The flowers are produced well above the foliage, on strong stems. \$1.00 each.
- H. MAIER.** A shade a little darker than primrose-yellow, each petal is slightly flecked with carmine. 50 cts. each.
- MILLIONAIRE.** (Stillman.) Gold Medal Dahlia of daintiest colorings. Most delicate lavender with faint pink cast overshading it, the whole having a blending of white. One of the best known lavender pink Dahlias, an immense flower, that attracts considerable attention on the exhibition table. Plants are very dwarf, so it is not recommended as a cut-flower variety. Flowers from six to nine inches in diameter. Recommended for exhibition purposes. \$1.50 each.
- PRIDE OF CALIFORNIA.** (Lohrman.) Called the "American Beauty" Dahlia. Winner of Gold and Silver Medals. Huge crimson red flowers produced on long straight stems. \$1.00 each.

Decorative Dahlias

- CLIFFORD W. BRUTON.** A large canary-yellow. 25 cents each.
- DELICE.** The finest and brightest pink Decorative Dahlia in existence. Flowers are of good size, standing well above the foliage. A charming bright pink, suffused with lavender-pink. One of the best known cut-flower varieties in the Dahlia world. 35 cts. each.
- FRANK A. WALKER.** Alexander's Decorative Seedling. Expressly named for Mr. Frank A. Walker of Stoneham, Mass., in compliment to his intense love of Dahlias. A charming shade of deep lavender-pink. For garden decoration or for cut flowers this variety is exceptionally good, having long stems and producing flowers in great abundance. This Dahlia should be in every garden. 35 cts. each.
- JACK ROSE.** (Peacock.) The identical shade of the rose with the same name. This variety is exceedingly free, carrying fairly large flowers on very erect stems in great abundance; flowers early, and during the hot weather the color is likely to burn somewhat. 25 cts. each.



Mina Burgle—Decorative Dahlia

- LE GRAND MANITOU.** (Rivoire.) The color of this superb variety is pure white artistically striped, splashed and blotched deep violet purple. The plants occasionally bear a solid purple-colored flower. The effect of these phenomenal flowers is most pleasing, giving this variety a supreme place in this class. 50 cts. each.
- MADONNA.** Large white, with delicate blending of lavender-pink. Long stems, one of the best cut-flower varieties. 50 cts. each.
- MINA BURGLE.** (Burgle.) A seedling named and originated by Mr. Burgle, a California Dahlia lover. This new introduction is one of the finest varieties to date—a champion variety, producing flowers of gigantic size and remarkable beauty; the best in existence. Color, a glowing and most brilliant scarlet. The flowers are of perfect Decorative type and are borne upon long, wiry stems well above the foliage. Attracts universal attention. 50 cts. each.
- MINOS.** Flowers are large and exceedingly beautiful, borne on long, graceful, wiry stems. The color is intense velvety maroon, almost black. An ideal cut-flower variety. Fine for all uses. 25 cts. each.
- ORA DOW.** A beautiful velvety maroon, effectively tipped white. Very strong, tall growing plants. 25 cts. each.
- PROGRESS.** A clear lavender, with stripes and blotches of soft crimson, through each petal. 25 cts. each.
- SOUVENIR DE GUSTAVE DOAZON.** (Bruan.) This variety is a good comparison to the "Sunflower." It is the largest Dahlia in existence. The color is a pleasing shade of orange-red. Flowers are full to the center and often measure 9 inches and over in diameter; they can be forced to measure over 12 inches. The plant is a very tall, vigorous grower with heavy, dark, glossy green foliage and a remarkable constitution. Very long stems of pleasing, stiff-upright type. Should be in every garden. 35 cts. each.
- WILHELM MILLER.** Very brilliant purple. This is a fine variety of the Decorative type. 25 cts. each.
- WIL AGNEW.** Intense glistening scarlet-crimson. This variety is a rapid grower and has a strong constitution, one that always gives good satisfaction. 25 cts. each.

EVERYBODY KNOWS ROSS' SEED GROWS

All Dahlias are sent postpaid at prices quoted
The Peony-Flowered Dahlias

Show and Fancy Dahlias

ELLEN E. KELLEY. (Alexander.) New Duplex Seedling. A long-stemmed free-flowering golden-yellow variety that attracted considerable attention in my gardens this past season, being admired by many, and named for one of our customers, in recognition of her great love for beautiful flowers. This variety is highly recommended having all the good qualities of the Dahlia. 50 cts. each.

MRS. BOWEN TUFTS. Alexander's Gigantic Peony-flowered Seedling. Named expressly for and by permission of Mrs. Bowen Tufts of Boston and Allerton, Mass., in recognition of her admiration for the beautiful. This creation is the finest of my new Peony-flowered Dahlias, having gigantic, deep rosy-purple blossoms, which are produced well above the foliage upon long, graceful stems. The habit of the plant is excellent, flower stems being long and the bushes tall and exceptionally sturdy. 25 cts. each.

MME. VAN BYSTEIN. (Hornsveld.) A very distinct and new shade, lilac-blue throughout. Plants tall and sturdy, holding blooms well above the foliage. Large and fine. An early and abundant bloomer that we highly recommend. 50 cts. each.

MRS. M. W. CROWELL. (Alexander.) A remarkably sturdy variety of perfect habit. Color, a beautiful orange-yellow. Very free-flowering. 25 cts. each.

OSCEOLA. (Alexander.) (New Seedling.) The plants are tall and sturdy growers, producing their blossoms on long stems. In color, a bright carmine, with a ring of golden-yellow at the center. 25 cts. each.

PHENOMENE. Beautiful French Duplex Dahlia. A very effective and novel variety, having beautiful Cactus-shaped florets. The color is an exquisite salmon shade, suffused and light amber. 25 cts. each.

ZEPELIN. (Hornsveld.) Holland Peony-flowered Dahlia. The incomparable delicacy of this variety has excited great comment. The color is the most beautiful shade of mauve—a very fascinating color. The perfection in form of this variety is one of its greatest features. Award of Merit. Very abundant flowering. 50 cts. each.

Cactus Dahlias

AMAZON. Carmine-red, tipped amaranth purple. 50 cts. each.

AMBASSADOR. (Straight.) Pure white. A flower of the finest quality. Long, stiff stems. 35 cts. each.

COUNTESS OF LONSDALE. (Hybrid Cactus.) Deep salmon-red. One of the best. Very free. Should be in every garden. 35 cts. each.

EARL OF PEMBROKE. (Hybrid.) Bright plum color; large, bold flower. 25 cts. each.

EUREKA. (Burrell.) (Straight.) This variety has all the good qualities of the Dahlia, being properly named. Color very deep purple. Petals are long, straight and tightly quilled. 25 cts. each.

J. H. JACKSON. (Vernon & Barnard.) (Straight.) The finest black Cactus Dahlia in existence. An exceptionally satisfactory all-round Dahlia; one of the most prominent for garden decoration, superb as a cut-flower variety and equally good as an exhibition flower. Color, a perfectly gorgeous, deep velvety, blackish-maroon. Gigantic in size. Every Dahlia lover should grow this variety. 25 cts. each.

KRIEMHILDE. (Hybrid.) Color, flesh delicate pink, shading to white in the center; very late flowering. 25 cts. each.

KALIF. (Hybrid Cactus.) Beautiful pure glowing scarlet, borne on long wiry stems. 75 cts. each.

LIBELLE. (Straight.) Clear, deep rose-purple. 25 cts. each.

PERLE DE LYON. (Hybrid.) A pure white exhibition variety of great value. Petals fringed or nicked, giving unique appearance. 35 cts. each.

STERN. (Straight.) Bright primrose-yellow. The flowers are large; petals long and pointed. One of the most satisfactory varieties. 25 cts. each.

W. B. CHILDS. (Hybrid Cactus.) A very reliable variety. Color a beautiful dark purple-maroon. Flowers extra large. 35 cts. each.

WASHINGTON CITY. Snow white, of beautiful form and borne on long stems. The flowers are of enormous size. \$1.00 each.

A. D. LIVONI. Beautiful soft pink. Well formed flowers with long stems. Perfectly round, ball-shaped flowers, each petal being very tightly quilled and arranged in exact regularity. Free flowering. 35 cts. each.

AMERICAN BEAUTY. This champion Dahlia is a seedling from the well-known French variety, "Le Colosse," being almost identical in form, shape and size. The flowers are of gigantic size and are produced on long, heavy stems, well above the foliage. The color of this acquisition is a gorgeous wine-crimson. 35 cts. each.

AUGUS MEGAR. New Show Dahlia. The largest and finest lavender-purple Show Dahlia to our knowledge. Tall and sturdy. 50 cts. each.

DIAMANT. Pure white. 25 cts. each.

DOROTHY PEACOCK. (Peacock.) The flowers are of good size, exquisite form, great substance; the color is that beautiful, clear, live pink that appeals to everyone. 50 cts. each.

D. M. MOORE. (Wilmore.) In this offering we have one of the best "nearly black" varieties to date. It is a rich deep, velvety Victoria-lake, which is a shade deeper than deep maroon, the nearest approach to black to my knowledge. A mammoth flower produced in profusion on long, stiff stems. 50 cts. each.

GLADIATEUR. Clear violet, shaded blue. A splendid new exhibition variety. 25 cts. each.

IMPERIAL. (Keynes.) Deep purplish maroon. 25 cts. each.

LUCY FAUCETT. Pale yellow, striped deep pink or light magenta. One of the best of this set. Very large and free flowering. 35 cts. each.

MAUDE ADAMS. Ideal New Show Dahlia. This wonderful introduction is unsurpassed in quality in every respect; in reality a model of perfection. We cannot speak too highly of this variety. The color is a pure snowy white, very effectively overlaid clear delicate pink. Undoubtedly one of the finest of the Show type. 50 cts. each.

MISS HELEN HOLLIS. (Alexander.) Gigantic Scarlet Show Dahlia. A sensational wonder and undoubtedly the largest and best deep scarlet Show Dahlia in existence. Blossoms are on long, stiff stems, well above the foliage. Plant extremely sturdy and produces very luxuriant foliage. This acquisition can be highly recommended. 50 cts. each.

STRADELLA. (Alexander Seedling.) Rich, deep purple crimson, very free-flowering, long stems. Should be in every garden. 25 cts. each.

STORM KING. The most reliable Show Dahlia to our knowledge; pure white, flowers produced freely upon long stems, well above the foliage. 25 cts. each.

VIVIAN. (Alexander.) A great favorite which received the admiration of everyone who saw its wonderful flowers, the color being white, effectively edged rose-violet. An extremely wonderful blending of color possessed only by the rare novelties. One of our champions and a variety worthy of the highest words of praise. 25 cts. each.

YELLOW DUKE. A splendid primrose-yellow of good form. 35 cts. each.

Pompon Dahlias

AMBER QUEEN. Rich, clear amber, shaded apricot. 25 cts. each.

DARKEST OF ALL. Nearly black. Best dark Pompon Dahlia. 25 cts. each.

PURE LOVE. Beautiful lilac. 25 cts. each.

SNOW CLAD. Small white. Free. 25 cts. each.

SUNBEAM. Crimson-scarlet; extra fine. 25 cts. each.

Mixed Dahlias

Postpaid, \$1.10 per doz.; by express, \$1.00 per doz.; \$7.00 per 100.

These include some of our best varieties, those of which labels have been lost, and at times, varieties of which we have a surplus. While all classes are usually included, we give no guarantee that any lot sent out will include all, nor should it be understood that the customer is privileged to order those of any one class. We shall, however, send a good assortment of colors, and are sure the mixture will be found very satisfactory.



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Fertilizer and Fertilizing Materials

This is one of our specialties and we can furnish either ready mixed or unmixed goods for all purposes. Parties wishing for larger quantities than are quoted are requested to write for special price. We can make you very low price on carload of mixed goods, also on Canada Hardwood Ashes, Bone, Lime, Nitrate of Soda and Sulphate of Ammonia. Where we can save the expense of handling and storing this material and can sell on a cash and carry basis, we can compete with anyone selling similar goods.

ROSS BROS. CO.'S HOME GARDEN FERTILIZER

A low priced fertilizer designed for the home garden. Can be used either with or without stable manure.

Guaranteed Analysis:

Ammonia	2%
Total Phos. Acid.....	8%
Price: Per 25 lbs. 85 cts., per 50 lbs. \$1.35, per 100 lbs. \$2.50.	

ROSS BROS. CO.'S HIGH GRADE POTATO AND ONION FERTILIZER

This is a strictly high grade fertilizer designed for potatoes, vegetables, onions, etc. Can be used without the aid of stable manure.

Guaranteed Analysis:

Ammonia	4%
Total Phos. Acid.....	8%
Potash	4%
Price: Per 100 lbs. \$3.25.	

ROSS BROS. CO.'S LAWN GRASS TOP DRESSING

Especially adapted for top dressing to grass and can be used to seed grain where more Potash is handled. We also recommend it as being by far the best lawn fertilizer on the market, not only as a fertilizer but an insecticide as well, as every bag contains tobacco dust, which will drive the grubs and other injurious insects from your lawn.

Guaranteed Analysis:

Ammonia	3 1/2%
Total Phos. Acid.....	8%
Potash	3%
Price: Per 25 lbs. \$1.00, per 50 lbs. \$1.75, per 100 lbs. \$3.25.	

CANADA HARDWOOD ASHES

No manufacturer, no matter how skillful he may be, can give to any fertilizer produced by the hands of man the qualities nature has imparted to her fertilizing products.

Unleached Hardwood Ashes, spread on the earth thickly and spaded into the earth well before planting, will clean the soil of maggot, worms, and all kinds of insects injurious to plant growth, and at the same time provide plant food. The result is better growth; healthier color, and more bloom, than when an artificial fertilizer is used. In other words, success in the business of growing flowers.

CANADA HARDWOOD ASHES. Analysis: Potash, 3 to 5 per cent; Phos. Acid, 1 to 3 per cent; Lime, 30 to 40 per cent; moisture, 12 per cent. We handle these in large quantities and can quote carload price delivered at any freight station in New England f. o. b. Worcester, 100 lbs. \$1.35. Per ton \$32.50. Car lots in bulk delivered at all through points, \$22.50 ton.

AGRICULTURAL LIME. Should be applied at the rate of one ton per acre. Price, per bag 100 lbs. \$1.25, 500 lbs. \$1.00 per 100.

Lime is an essential element of the soil and is necessary to plant life and if it is lacking in the proper proportion the crop can not develop normally even if all other essential elements are present in abundance.

Stadler's Superior Plant Food



Feed your plants new life and beauty with Stadler's SUPERIOR Plant Food. Then you will take greater pride than ever in your cherished house or garden plants. The remarkable and almost immediate effects of SUPERIOR Plant Food on plant life is highly gratifying. You can see improvement every day. And how they do grow—throwing off new shoots of luxuriant beauty and health, with a richer color.

Universal in its year-round use. Use it all winter on those potted ferns, begonias or hyacinths of yours—and all summer on your outdoor garden, your bulb plants,

roses, hardy shrubs, trees and lawn. Just dissolve a teaspoonful in the watering pot every time you sprinkle the garden.

Clean and odorless. 25c, 50c and \$1.00 cans. The dollar size contains 600 treatments—enough for over a year. Results guaranteed.

PLAIN SUPERPHOSPHATE. 16 per cent soluble and available phosphoric acid. Prices: Per ton \$23.00, 100 lb. bag \$1.75.

PLASTER—Benjamin Franklin Agric. Gypsum (Land Plaster). Plaster plays a very important part in the proper fertilization of the land. The ideal way to use Agricultural Gypsum is with manure, for in this way the Agricultural Gypsum serves the double purpose of preserving the nitrogen in the manure and directly supplying sulphate sulphur to the land. Price: Per bag (80 lbs.) \$1.25.

NITRATE OF SODA. Imported from Chile. It usually contains 96 per cent nitrate of soda and above 19 per cent ammonia. It should be used with caution for top dressing and pasture, also for forcing garden crops, such as Spinach, Tomatoes, etc. Price: 5 lbs. 50 cts., 25 lbs. \$1.50, 100 lbs. \$4.50.

FINE GROUND BONE. 3 to 4 per cent ammonia, 22.80 to 25.33 per cent phosphoric acid. In 100-lb. bags. 100 lbs. \$3.00.

TOBACCO DUST. Fine, ground; for greenhouse use this is one of the best articles for dusting all kinds of plants that are affected with insects of any kind. Per bag 100 lbs. \$3.00, 50-lb. bag \$1.75, 5 lbs. 40 cts.

FUMIGATING TOBACCO. Price: 100 lbs. \$4.50.

DRY GROUND FISH. 9 to 10 per cent ammonia, 25 to 30 per cent bone phosphate. 100 lbs. \$4.50.

TOBACCO STEMS. Used for fumigating, also used by some as a top dressing for fertilizer. We can furnish these in any quantity, even to carload lots. Prices: 5 lbs. 50 cts., 100 lbs. \$5.00.

Buyers of ton lots or over ask for prices.

Groz-It Brand Pulverized Sheep Manure

For Market Gardeners and Specially Recommended for Lawns

Ordinary manure, which is so necessary to plant life, has many objectionable features, when used close to the dwelling. It is unsightly, has a disagreeable odor, draws flies and insects, likewise it is too bulky to be used to the best advantage.

In its place, we offer you a highly concentrated pulverized, natural animal manure, packed in sacks, light, dry, odorless, free from seeds and all foreign matter, with a plant food value many times that of ordinary manure.

Is excellent for Golf Greens, for flower beds and especially for fertilizing trees of all kinds, for composting for window boxes and also good for the home garden.

We sold several hundred tons of this material this past season to some of our largest market gardeners and to manufacturers for shop gardens and it gave perfect satisfaction. It is fast taking the place of commercial fertilizer, as it is a safe and sure fertilizer for all crops.

Will not burn your plants, no matter in what quantities you use it, but is highly concentrated and safe for anyone to use. Can be used safely at the rate of 50 lbs. per 1,000 sq. ft., or as a general fertilizer for all crops from 1,000 to 2,000 lbs. per acre. It makes the richest and safest liquid manure, using 1 lb. to 5 gallons of water.

GUARANTEED ANALYSIS

Nitrogen	1.84	Available Phosphoric Acid.....	.75
Ammonia	2.25	Total Phosphoric Acid.....	1.25
Water Soluble Potash K2O.....	3.00		

Prices: 12 1/2-lb. bag 50 cts., 25-lb. bag 90 cts., 50-lb. bag \$1.65, 100-lb. bag \$3.00, ton (2,000 lbs.) \$50.00. Special prices in larger quantities.

All prices in this catalogue are based on the supposition that we get cash with the order. Parties wishing to buy goods on credit, but have never had an open account with us, will avoid delay if they furnish with the order bank references.



EVERYBODY KNOWS ROSS' SEED GROWS



Niagara Utility Orchard Duster

The Duster you have heard about.

Dusting saves time, labor and money. The Niagara Utility Duster is light, durable and mechanically correct. Niagara Quality products are known wherever fruit is grown.

Other Models for Orchard, Field and Garden

Price\$92.60

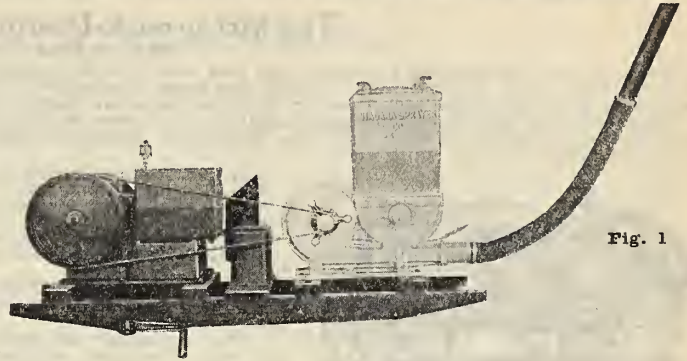


Fig. 1

Niagara Blower Dust Gun

All parts replaceable

All working parts enclosed. Special alloy gears, ball bearing construction, bearings and gears in grease, perfect balance, easy to carry, easy to crank. The ideal machine for 10 acres.

Price\$20.00

Two-row Attachment extra..... 2.00

We carry a full line of Niagara Insecticides and Fungicides, Dust and Dusters for all crops.

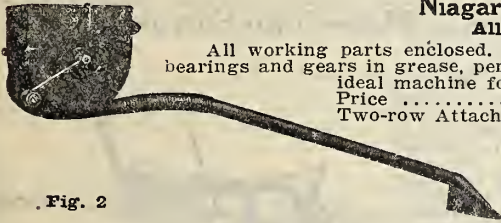


Fig. 2

Hoover Lawn Rake

Made from flexible steel spring wire, the teeth of the HOOVER RAKE will fit into any irregularities on the surface of the ground, taking all leaves with them, or dirt, or dead grass or refuse, without injury to grass. The head is of heavy enameled steel, and the handle holder is strongly made. Weight 2 lbs.

The head of the HOOVER RAKE makes a clean sweep 20 inches wide, with a motion similar to that used in sweeping with a broom. The flexible teeth make it possible to get in under shrubbery and clean out all leaves and refuse without danger to the bushes.

Price\$1.00



Fig. 3

Close Mesh Wire Tree Guards

will protect young trees from the ravages of mice and rabbits.

Diam.	Height	Doz.	100
4"	15"	\$1.25	\$ 8.70
4"	18"	1.50	10.40
6"	15"	1.80	13.10
6"	18"	2.15	15.60

Diam.	Height	500	1000
		per	per
		100	100
4"	15"	\$ 7.90	\$ 7.50
4"	18"	9.45	9.00
6"	15"	11.90	11.25
6"	18"	14.20	13.50

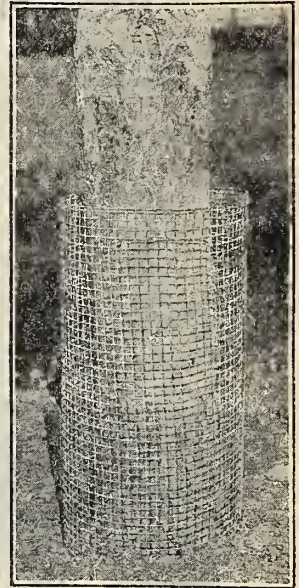


Fig. 4

Premier Poultry Manure

PULVERIZED POULTRY MANURE—NATURE'S BEST PLANT FOOD

Relative values of the various kinds of manure have been definitely established and are in the following order, beginning with the lowest in value as regards plant food content and assimilable organic matter or humus forming material: HORSE, COW, PIG, SHEEP and POULTRY.

From this statement it is evident that Poultry Manure is the most valuable and this fact is proven by chemical analysis and comparison of results in practice.

Poultry Manure in concentrated form can be used profitably on a greater range and variety of vegetation than any other fertilizing material whether of an organic or chemical origin.

Processed Poultry Manure is one of the safest and most reliable forms of plant food that can be applied to soil and will not burn or injure the most delicate and tender vegetation if used in reasonable amounts. Last, but not least, it possesses a bulk that adds available humus forming material to the soil, and the plant food is not readily lost by leaching.

HOW OBTAINED AND PREPARED

The raw product for the manufacture of Premier Brand Pulverized Poultry Manure is obtained from the cleaning of poultry cars used for transporting live poultry to the great central markets.

Approximately 12,000 tons of raw poultry manure is accumulated and processed annually, and this amount is increasing from year to year with the growth of the poultry shipping business.

GUARANTEED ANALYSIS

Nitrogen	4.10%	Available phosphoric acid.....	1.70%
Equivalent to ammonia.....	5.00%	Potash as K ₂ O.....	1.30%
Total phosphoric acid.....	2.70%		

From the foregoing you will readily see how rich in plant food Premier Brand Poultry Manure really is. However, the analysis as stated above is not truly representative, as the actual average analysis of material now being produced is 5.00% Nitrogen, 2.75% Phosphoric Acid and 1.50% Potash.

Prices: 5-lb. bag 35 cts., 10-lb. bag 65 cts., 25-lb. bag \$1.00, 50-lb. bag \$1.75, 100-lb. bag \$3.25, ton (2,000 lbs.) \$50.00. Special prices in larger quantities.



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



The McCormick-Deering 10-20 Tractor Is Now Ready for You

Owing to the extraordinary demand for this sturdy 2-plow tractor, we have but recently been able to secure a shipment. Now we have them and are able to offer our farm friends the greatest 2-plow tractor value of the year. You are invited to inspect the new McCormick-Deering 10-20 we have on display here.

Read over the following important features, then come in and ask us all the questions you can think of. Don't miss the opportunity to get acquainted with the McCormick Deering 10-20 and also 15-30, which, owing to the great belt power, is especially adapted to saw mill work.

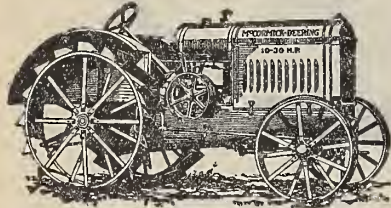


Fig. 5

Ball and Roller Bearing at 28 points.
Ball Bearing Crankshaft.
All wearing parts, including cylinders, replaceable.
Entire main frame in one sturdy unit.
All parts easily accessible, easily removed.
Alemite lubricating system.

Throttle governor.
Large belt pulley.
Adjustable drawbar.
Water air cleaner.
Comfort and safety features, such as steel platform, wide fenders, adjustable seat and foot levers, and handy brakes.
Three forward speeds.

Send for illustrated circular

WARRANTY

The crankshaft and crankshaft ball bearings of every McCormick-Deering Tractor are now guaranteed against breakage for the life of the tractor. Ask for details regarding this remarkable warranty—a feature offered with no other Tractor.

Price, F. O. B. Boston.....\$888.00

McCormick-Deering P & O Little Genius Tractor Plow—Two-Furrow

The power for raising and lowering the bottoms is supplied by the land wheel. Only one short jerk of the rope is necessary to engage this lever and lift the plows. When the plows are in the ground the levers set ahead within easy reach of the operator and when the plows are raised the levers swing back and do not interfere with the tractor when a turn is being made. When necessary the bottoms can be easily raised by hand regardless of the depth at which the plow is working. The hitch is adjustable by a pin and can be adjusted to suit any make of tractor—is very rigid and the locking device controls the action of the rear wheel permitting the plow to be backed. There is a good clearance between the bottoms, which enables the plow to work in the trashiest ground and to cover well in deep plowing. The rolling coulters are made of the finest grade of coulter steel, carefully ground and polished and set in cone bearings, and can be taken out for adjustment. The beams are of heavy high-carbon I-beam steel, securely braced, with a hard steel moldboard and solid steel quick detachable share.

Two-Furrow, 14-inch. Weight 921 lbs. Price.....\$128.00
Little Wonder, Two-Furrow, 14-inch. Weight 661 lbs. Price..... 95.00

5% Discount for Cash

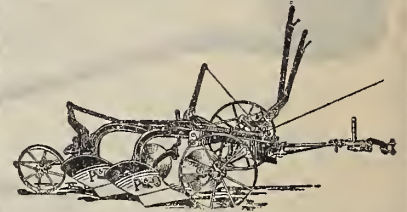


Fig. 6



Fig. 7

Cutaway Double Action Light Tractor Harrows

For the light tractors which are now becoming so popular a smaller size harrow is required and it is not necessary that it shall be so heavy. At the same time it must be a real tractor harrow and not a horse harrow. The Cutaway Light Tractor Harrow, takes advantage of every feature of larger machine. At the same time it is built very much lighter. Its weight and construction are such that it exactly meets the requirements of the light tractors and it has proven an absolute success.

The Cutaway (Clark) Tractor Harrows are equipped with dust-proof, oil-soaked hardwood bearings.

X7. 29 18-inch Disc, 7½ ft. cut, 965 lbs.....\$157.50
5% Discount for Cash

Cutaway Bush and Bog Plow

As shown in the illustration, this machine is a big, heavy disc plow or harrow, weighing 680 pounds. It is equipped with extra heavy 24-inch discs. The bearings are dustproof oil-soaked hardwood, perfectly lubricated. It is built very strong throughout and stands up under work that would totally wreck other machines. For cutting brush land and cut-over timber land, for plowing bogs, or for doing any extraordinary hard plowing and discing.

Price, 8-24 in. discs, 5 ft. cut, 4 horse hitch, \$110.70; Junior, 8-20 in. discs, 4½ ft. cut, 2 horse hitch, \$73.30. 5% discount for cash.



Fig. 8

McCormick-Deering Culti-Packer

Three Tools in One

This is one of the best built machines that ever helped the farmer to get a bumper-crop. The frame is made of heavy angle steel bars, bolted fast. Two Channel steel bars run diagonally from the tongue across the frame. It takes the place of the old roller. This is not only a clod crusher, but a pulverizer, picker and cultivator. This machine is practically indestructible and will last a lifetime.

No. 49-4/5, Rolling Capacity 62 in. Weight 825 lbs. Price.....\$ 90.75
No. 52, Rolling Capacity 85 in. Weight 1,045 lbs. Price..... 108.60
Without forecarriage, deduct 7.50

5% Discount for Cash

All prices in this catalogue subject to change without notice.

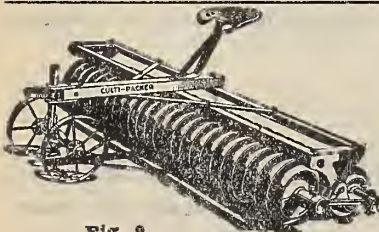


Fig. 9



EVERYBODY KNOWS ROSS' SEED GROWS



McCormick-Deering Two-Way Success Sulky Plow

The Two-Way McCormick-Deering Sulky has all the conveniences for an ideal New England Plow. It is built to work on hillside or irregular shaped fields, in fact, any place that a plow is to be used.

TURNES ALL FURROWS THE SAME WAY—LEAVES NO DEAD FURROWS

The Two-Way Success has a right and left hand bottom. Instead of plowing around a land, it plows on the same side all the time, using the right hand bottom one way and left hand bottom returning. This method leaves the land in a "solid body," eliminating dead and back-furrows. It is therefore the proper plow for hill-sides, irrigated fields, and irregular fields, though it is equally efficient as a general purpose sulky. Another advantage is that the two outside horses, when using three, "take turns" walking in the furrow and on the land, which rests them.

EASY TO OPERATE

The two main levers regulate the depth. They are easy to reach, and have right-angle hand grips, which are more convenient than the ordinary grips. The bottoms are raised by ratchets on the wheels, the only effort required by the operator being a slight pressure on the foot-trips, which causes a "dog" to engage the ratchet when the horses raise the bottom. A bottom is lowered by throwing its lever backward until the desired depth is reached.

HITCH

The plow is regularly set for two horses, but can be quickly set for using three or four horses, either abreast or tandem. As a bottom is lowered, the hitch automatically shifts. The dial feature gives ample lateral and vertical adjustment. A draft link from the hitch to the beam places the draft directly on the beam, so none of the plowing strain is thrown on the plow frame.

BOTTOM EQUIPMENT

12, 14, or 16-inch bottoms, either all steel, all chilled or any combination as ordered. Shares are the McCormick-Deering quick-detachable. The rolling coulters are 13-inch and have "take-up" cone bearings. Jointers or Knife Cutters can be furnished instead of coulters. Or purchaser may have combined coulters and jointers at a slight additional cost.

Price with 2—two 12-inch bottom and two horse hitch, \$111.50. 5% Discount for Cash.

The Wiard (New Model) Reversible or Two-Way, Power Lift Sulky Plow (Lift and Trip Operated by Hand or Foot), with Shifting Pole, Automatic Shifting Clevis and Adjustable Tilting Seat and Steel Wheels.

No. 400—Two- or Three-Horse—Weight 550 lbs.

Cut 5 to 8 in. deep, 11 to 15 in. wide with chilled or steel moldboards.

As shown in the illustration, there are two plows, one right and one left hand, each operated by separate levers and having an **AUTOMATIC POWER LIFE** which can be operated by the driver from the seat either by the use of a trip lever operated by the foot, or by a hand lever which can be operated by the driver either when riding or walking. The plows have the highest grade chilled iron or soft-center steel moldboards, and either forged steel or cast iron points as ordered, and can be fitted with jointer, plain coulters or rolling coulters, as desired.

This Sulky is adapted to all soils, leaving no ridges or dead furrows and does perfect work on either level land or side hill.

It is very simple, easy to handle and is lightly constructed, the material used being mostly steel and malleable iron, making it very strong and durable.

Price, with chilled moldboards and point.....\$100.00
Add for steel moldboard..... 4.00

5% Discount for Cash

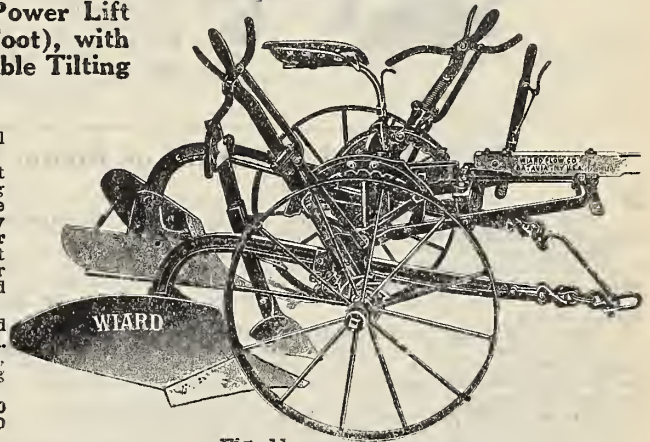


Fig. 11

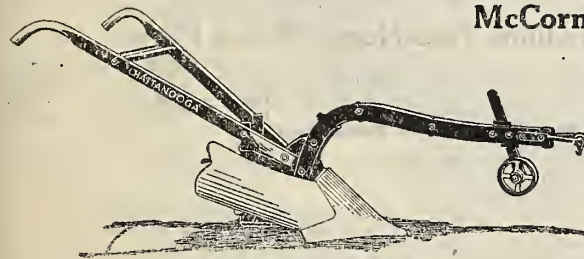
McCormick-Deering Chattanooga Hillside Plows

All sizes are made on trussed beam chilled shares, one extra share shipped with each plow. Furnished in four sizes as follows:

No.	Description	Depth	Width	Capacity	Weight	Price
207	1-horse	4"	9" with wheel		55 lbs.	\$13.00
208	2-horse, light	5"	10" with wheel		65 lbs.	15.00
209	2-horse, regular	6"	12" with wheel and jointer		105 lbs.	25.00
210	2-horse, heavy	7"	14" with wheel and jointer		132 lbs.	31.00

5% Discount for Cash

Nos. 207, 208 and 209 come regularly equipped with solid steel moldboards. A hard steel board can be furnished on special orders. The beam is made of two flat steel bars, trussed together in such a way as to form a beam that is both light and strong. The beam and handles are long, giving good leverage, both while plowing and when reversing the bottom.



Chattanooga No. 208
Fig. 12

No. 21 Wiard Plow

Wood Beam, One-Horse
Capacity

Wt. with Clevis
77 lbs.

No. 21 One-horse 4 to 7 in. deep, 6 to 10 in. wide
By an ingenious but simple clevis attached to these Plows they can be used with horse walking in the furrow, a great convenience for garden and vineyard work; or the No. 21 can be used for two horses when an exceedingly light Two-horse Swivel Plow is wanted.
The No. 21 is made with cast-iron moldboard.....\$16.75
With steel moldboard..... 18.75

5% Discount for Cash



Fig. 13



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



No. 130X With New Automatic Adjustable Colter and Adjustable Clevis

No. 130X	Size Light two-horse	Capacity 5 to 8 in. deep, 10 to 13 in. wide	Wt. with Clevis 104 lbs.	Price \$27.50
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Specifications and Description

Beam—White oak, selected stock.
Moldboard—Cast iron; add for steel moldboard \$2.00.
Shoe—Cast iron, a good length, chilled on bottom.
Colter—Adjustable steel blade, automatically shifted when moldboard is reversed.
Wheel and Standard—Rigid, with malleable standard, wheel runs under beam.
Clevis—Plain or adjustable, operated by lever between handles.
Points—Plain or stony, cast iron steel-edged marsh or forged steel.
Finish—Iron work, except polished surfaces, painted green, striped and varnished. Woodwork natural finish, two coats oil and varnish.

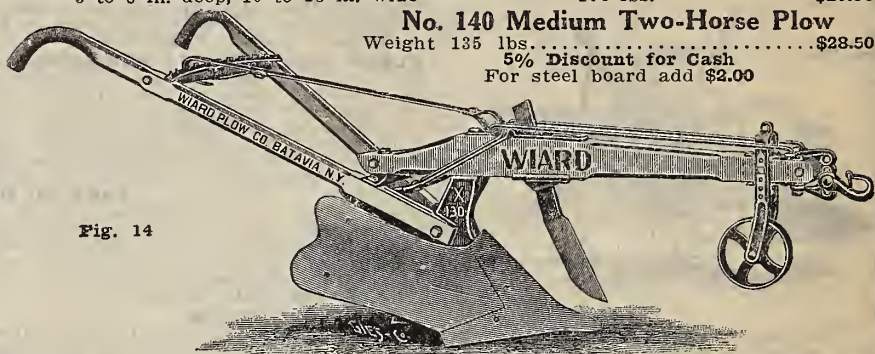


Fig. 14

No. 140 Medium Two-Horse Plow
 Weight 135 lbs. \$28.50
 5% Discount for Cash
 For steel board add \$2.00

Two-Horse Pat, Steel Beam Wiard

Right Hand. Fitted with Jointer or Steel Knife Colter as ordered.				
No.	Size	Capacity	Wt. with Clevis	
43	Two-horse	4 to 7 in. deep, 9 to 13 in. wide	120 lbs.	
44	Two-three-horse	5 to 8 in. deep, 11 to 15 in. wide	130 lbs.	

Cast iron points for this series of Plows are made in the following styles:
 Plain, pitch, stony, slip nose and cutter. Also for the Nos. 43 and 44 an extra wide (13 inch) plain cast point is made. Forged steel points are furnished for all sizes and a Special Alfalfa Point.

No. 43. With chilled moldboard Jointer and Colter and Wheel.....	\$26.50
Same with steel board.....	28.50
No. 44. With chilled board wheel and Colter or Jointer.....	28.25
Same with steel board.....	30.75

5% Discount for Cash



Fig. 15

No. 67 Wiard Pavement or Rooter Plow

No. 67
 Size Four- or six-horse
 Wt. with Clevis 250 lbs.
 This Plow has great strength and is adapted to contractors' work and for tearing up cobblestones or macadam pavements.

The Beam is made of cast Crucible Steel. The tendency to wear off the lower front end of the Beam in this class of Plows is entirely overcome by a separate shoe casting attached to the beam at this point, which can be replaced at slight expense when worn; this often saves the cost of the beam. In ordering always specify kind of Beam wanted.

The point is 32 inches in length and one inch thick, and is made from the best quality of forged steel. It is wedged shape and pointed at both ends. The Point can be extended when it becomes worn by removing the bolts and adjusting towards the front. It can also be reversed end for end, making a point that has strength, durability and great wearing qualities. It can be forged or drawn by any blacksmith.

The Handles are made of steel, strongly braced, being a new departure, as heretofore the handles for this style of Plow have been made of wood and were easily broken.

The Construction of this Plow throughout is iron and steel, and it is made to stand the wear and tear to which this style of Plow is subjected. This Plow, together with either of our Contractors' or Road Plows, makes a pair that is unsurpassed for this class of work.



Fig. 16

Price, \$60.50. Discount for cash, 5%.

No. 120 Medium Two-Horse Wiard Plow

No.	Size	Capacity	Wt. with Clevis	Price
120	Light two-horse	5 to 8 in. deep, 10 to 13 in. wide	118 lbs.	\$32.50
126	Heavy two-horse	5 to 8 in. deep, 12 to 15 in. wide	139 lbs.	33.50
127	One-horse	4 to 7 in. deep, 8 to 12 in. wide	100 lbs.	25.50

Specifications and Description

Beam—Forged steel, two pieces.
Moldboard—Cast iron or soft-center steel, highly polished. Add for steel moldboard, \$2.00.
Shoe—Cast iron, chilled on bottom.
Jointer—Adjustable, automatically shifted when moldboard is reversed.
Colter—Adjustable, automatically shifted when moldboard is reversed.
Wheel and Standard—Wheel can be run under beam or at side.
Clevis—Plain or adjustable, operated by lever between handles.
Points—Plain and stony, cast iron.
Finish—Ironwork painted green, striped and varnished.



Fig. 17

No. 69 (All Steel) Contractors' Plow

This Plow is intended for use with either animal power, a traction engine or road roller. Weight with clevis 315 lbs.

DESCRIPTION

Beam—One solid piece of cast steel.
Point—One solid bar of forged steel, 33 inches long and 1 1/4 inches thick, and is reversible (giving double wear.) This is same point that is used on our No. 68 plow.
Moldboard—A heavy plate of steel made extra thick at places where most wear comes.
Handles—All steel (Patented). They have the strength and will stand the racket, and don't break or bend.
Clevis—Forged steel, made to wear and stand the strain.



Fig. 18

Price, \$69.00. 5% Discount for Cash.



EVERYBODY KNOWS ROSS' SEED GROWS



Clark's One-Horse Cutaway Harrow

This harrow is especially adapted to the needs of small farmers and fruit growers. It has ten 14-inch cut-out steel discs. A six Disc Harrow is not practical on account of the width. This Harrow cuts 4 feet and overcomes that difficulty.

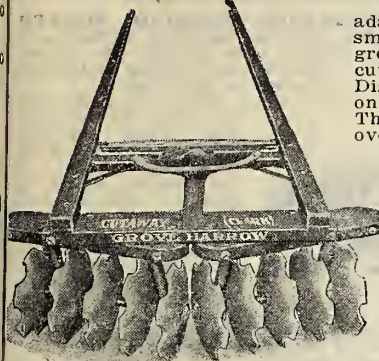


Fig. 19

No. of Machine	No. of Discs	Diam. of Discs
*O-5	10	14
Width of Cut	Shipping Hitch	Weight
4 ft.	1-H	169

Price
\$33.00

5% Discount for Cash

Clark Reversible Single Action Cutaway Harrow

All Cutaway Single Action Harrows are reversible. If you will observe the illustration you will see that the "dish" of the discs is out, and consequently the soil is moved outwardly. To reverse this harrow, you simply disconnect the lever links from the gang frames and swing the gangs around on the king bolts until what were formerly the outer discs become the inner discs, and reconnect the links. In this latter position the discs will throw the soil inwardly.

Like those on all other Cutaway implements, the discs on this harrow are the famous Clark cutlery steel discs, forged sharp. This feature partly accounts for the remarkably long service always given by Cutaway disc implements.

No. of Machine	No. of Discs	Diam. of Discs	Width of Cut	Hitch	Shipping Weight	Price
A-6	12	16	6 ft.	2-H	315	\$52.00

5% Discount for Cash

Wood Wheel Farm Truck

A handy farm truck with low wood wheels. Can be used for logging or any other farm work. This truck has extra long, well braced rear hounds and wood front hounds, fitted with a heavy cast reach plate. The axles and bolsters are made of hardwood, either oak, hard maple or rock elm. The bolster stakes are mortised into the bolster, are ringed for tying or binding, and all are well ironed. The wheels are of the best French and Hecht with grooved tires.

$\frac{1}{2}$ -inch spokes. The wood work is painted red and black striping and green wheels. Price, Monarch Truck with 36 and 40-inch wood wheels, \$73.00—Less 5% cash.



Fig. 23

Steel Scraper with Runners

No. 1 carries 7 ft. of earth	.....\$12.00
No. 2 carries 5 ft. of earth	.....\$11.50
No. 3	.....\$11.00

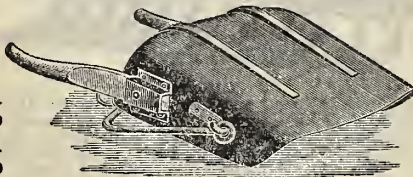


Fig. 24

Clark One-Horse Cutaway Harrow with Shifting Levers

A-4 Single Acting Harrow, 8 16-in. discs, 4 ft. cut, fitted with shafts for one horse and two shifting levers. This harrow is an improvement over the O-5, which does not have the levers and also has 16-inch instead of 14-inch discs. We think it is well worth the difference in price. Wt., 245 lbs. Price, \$42.00

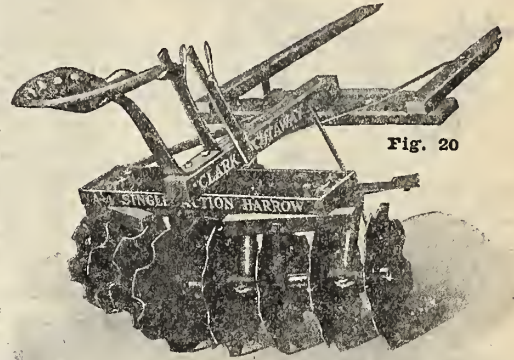


Fig. 20

5% Discount for Cash

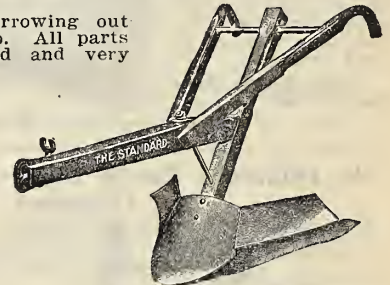
Shovel Plow

Very handy for furrowing out rows and for hilling up. All parts strong and well braced and very durable.

Fig. 22

Price, \$5.50

5% Discount for Cash



The Weber Wagon for One or Two Horses

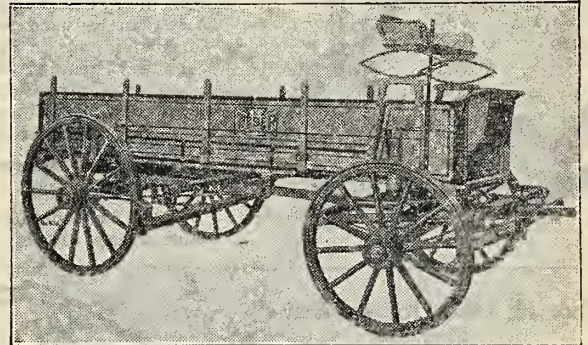


Fig. 25

Made by the International Harvester Co. The Weber is as good a wagon as can be built.

Has patented fifth wheel. Has 56-inch Auto tread following the ruts made by Auto, this making it run easier. Has first quality construction; made of the best oak and hickory in every gear, put together by expert workmen, combine to produce a wagon that has no equal in the market today. Mere price could not buy a better wagon than the Weber, because no better material is available than is found in these wagons. Ironing is heavy and thorough.

No.	Description	Capacity	Price
No. C4.	2-Horse with Body and Seat	5,000 lbs.	\$179.00
	Add for brake		12.00
No. F53.	1-Horse with Body, Seat		
	Axles	1,750 lbs.	115.00

5% Discount for Cash



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



McCormick-Deering No. 3 Potato Digger

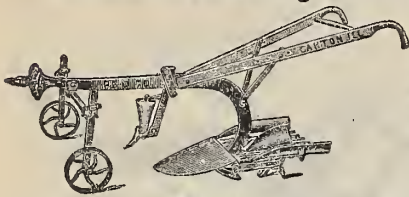


Fig. 26

A good, practical potato digger at a reasonable price. By the use of two front wheels, the crushing and mutilating of potatoes is avoided. The vines will not clog as they frequently do with a digger with only one wheel, as the wheels run on solid ground between the rows,

keeping the digger on an even course and working at a uniform depth. The wheels are adjustable. The grate at the rear is hinged at the front and is given an up and down motion by a 5-tooth wheel at the rear. This sifts out the dirt as the potatoes pass over the rod. Weight, 155 lbs. Price, \$31.50. 5% discount for cash.

Two-Horse Steel Land Roller

Made very strong and durable, 8 ft. wide, 3 sections 24 in. in diameter. Has patented closed end which excludes all trash, rubbish, etc. Runs on hardwood oiled bearings, which can be easily renewed in case of wear. An up-to-date roller in every respect.

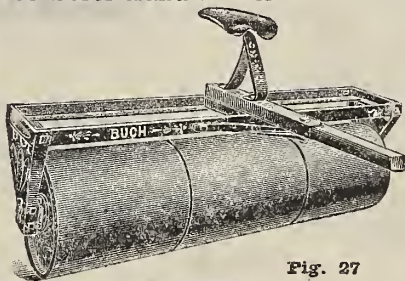


Fig. 27

Price, \$47.00. Less 5% for cash.

One-horse roller, two-section. Price, \$45.00.

The Hitchcock Potato Digger and Shovel Plow Combined

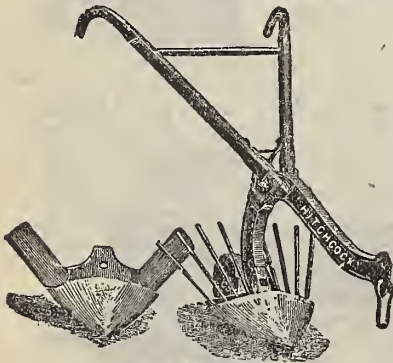


Fig. 28

This Potato Digger will not only dig potatoes, but can also be used as a hiller by attaching the special hiller wings. Also can be used for furrowing out. You get best results by using two horses, allowing one to walk on each side of the row.

Price, as Digger, \$12.50.

Price, complete with wings, \$16.50.

No. H, One-Horse "Acme" Harrow

This style has 8 coulters, crushing shoes and seat; works 4 ft. 4 in. wide; weight, 90 lbs.

Price, \$23.50
5% discount for cash.



Fig. 29

McCormick-Deering Potato Digger

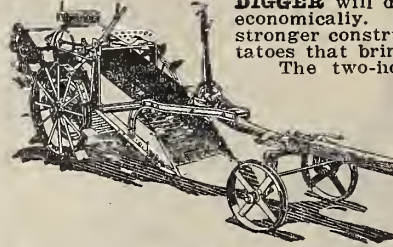


Fig. 30

MCCORMICK-DEERING POTATO DIGGER will dig your crop quickly and economically. Less power, less labor, stronger construction, digging better potatoes that bring better prices.

The two-horse 6-ft. size has a 5-ft. elevator 22 in. wide. This machine can be furnished with rod-link made of high-carbon spring steel or with the riddle or grade bar elevator.

We also have this in a 7-foot digger for four horses, elevator being 6 ft. x 22 in. wide.

These diggers get all the potatoes, whole and unbruised. The weight of the front end of the digger is carried on truck, relieving horses of all neck weight. The construction is strong throughout. The main wheels are 30 in. on the 6-ft. digger and 36 in. on the 7-ft. without the lugs.

Light draft is made possible by a close-up hitch. Dust caps keep the dust away from the working parts. Drive wheels are high and the shovel is correctly designed.

Regular equipment consists of vine turners, including kickers, shaker, two extra rollers, sprockets, wheel type truck, main wheel lugs, pole, neckyoke and hitch.

Price, No. 5, with rod link elevator, 6 ft., \$137.50. 5% discount for cash.

Send for special circular.

Dunham Water Weight Lawn Roller

The Dunham Water Weight Lawn Roller is electric welded, making the water section one solid drum; no rivets are used. It cannot leak. The roller surface is perfectly smooth and cannot injure the lawn.

A good lawn cannot be obtained unless a roller is used. Continued freezing and thawing separates the turf from subsoil, which leaves an air space for grass roots to dry out. A good rolling is absolutely necessary to put the lawn in condition again.

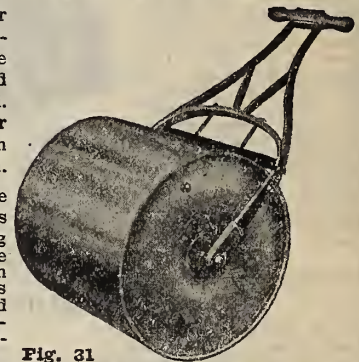


Fig. 31

Retail Price of Dunham Water Weight Lawn Rollers

No.	Diam. In.	Length, In.	Sections	Weight Empty	Filled with Water	Price Each
WB 3	14	20	1	50 lbs.	150 lbs.	\$17.00
WB 5	18	24	1	85 lbs.	300 lbs.	20.00
WB 7	24	24	1	110 lbs.	500 lbs.	23.00

Weights 50 per cent more when filled with sand—water is most convenient.

The Acme Pulverizing Harrow

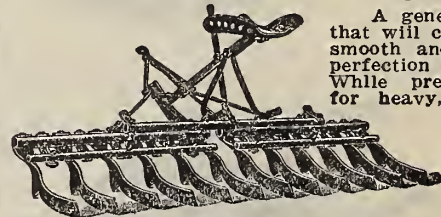


Fig. 32

A general purpose harrow that will crush, cut, lift, turn, smooth and level the soil to perfection all in one operation. While pre-eminently adapted for heavy, stubborn land, it can be adjusted, by means of levers and runners, to do perfect work on the lightest soil. It cuts the entire surface without disturbing sods or

trash that has been turned under by the plow. It prepares a perfect seed bed, and also covers seed in the best manner. The draft is reduced to a minimum. Being made entirely of cast steel and wrought iron, it is practically indestructible.

No. 23. Regular size, 1 and 2 horse, made in two sections. Price, \$30.00. 5% discount for cash.

Terms may be arranged for extended credit should our customer so desire. All prices subject to change without notice.

EVERYBODY KNOWS ROSS' SEED GROWS

McCormick-Deering One-Horse Vineyard Harrow

This harrow is articularly adapted for small fields, orchards and nurseries where a large two-horse harrow cannot be used. The main frame is of angle steel bent up at the front so that it passes over obstructions easily. The tooth beams are placed high and made of pipe of sufficient dimensions to make them both light and strong. The teeth are placed on the tooth bars so that trailing is impossible. Each tooth does its full share of the work. Weight, 136 lbs. Price, \$19.00. 5% discount for cash.

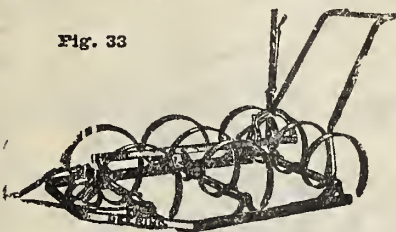


Fig. 33
Deering Vineyard Spring Tooth Harrow—9 Tooth

Prout's Two-Horse Hoe

Each standard, as shown in the cut, has two hoes attached, and, in working, one set of hoes work on one side of the hill and the other on the opposite side, hoeing a row at a time. The hoe operates the same as a hand hoe, moving fresh earth to the plant and crowding the old dry earth away from the plant. The hoes, being made tapering, permit of cutting close up to the plant without injury to corn roots which run close to the surface. Price, with wheels, weight 120 lbs., \$35.00; price, no wheels, weight 10 lbs., \$30.25. 5% discount for cash.

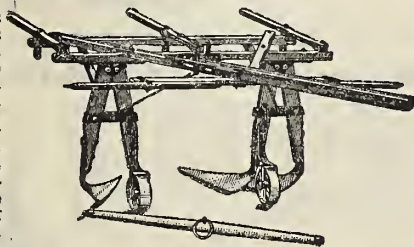


Fig. 34

Dixie Wonder Cultivator

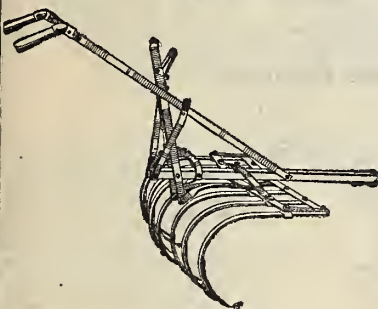


Fig. 35

5% Discount for Cash

Dixie Wonder can be adjusted to throw the soil to the rows or away from them. This is done by pulling the outside teeth forward or backward as desired. Dixie Wonder is an excellent soil mulcher and weed killer. The teeth are mounted on flat steel bars, pivoted at the beam. Teeth are adjusted by means of levers or by a movable hook, according to the style ordered. With wheel, \$12.00.

Meeker Smoothing Harrow



Fig. 36

This consists of a frame with four sets of rollers and 58 steel discs, which work between each other. The discs grind all lumps very fine and mash small stones below the surface better than any field roller.

4 ft. 6 in. x 4 ft. with 8 in. discs.....	175 lbs.	\$33.50
6 ft. 8 in. x 6 ft. with 8 in. discs.....	200 lbs.	37.50
3 ft. x 6 ft. with 8 in. discs.....	300 lbs.	47.50
6 ft. 8 in. x 6 ft. with 10 in. discs.....	250 lbs.	45.00
8 ft. x 6 ft. with 10 in. discs.....	350 lbs.	55.00

5% Discount for Cash

McCormick-Deering Two-Horse Harrow

There is a harrow made for every kind of work, and the spring tooth has its place and should be on every farm. It will take hold and pulverize where other makes have failed. The action of the teeth breaks all lumps and leaves a fine seed bed.

Prices
15 tooth \$29.00
17 tooth 31.00



Fig. 37

5% Discount for Cash

The Original Perry Spring Harrow



Fig. 38

stumps which would soon break any other harrow to pieces. Price, 16 teeth, \$19.50.

5% Discount for Cash

This is the first spring-tooth harrow ever offered for sale, and it has many friends. For durability it is equal to any harrow made. The wood frame is lined with carbon steel. Bolt heads are protected. The teeth cannot get loose. Used among rocks and

McCormick-Deering Spike-Tooth Smoothing Harrow

Designed as a leveling harrow and for covering all kinds of grain and grass seed; also largely used for cultivating corn and potatoes just after they come up. The teeth are adjusted by means of a lever and can also be thrown up from the ground



Fig. 39

and harrow transported to and from the field on the shoes at the end. Each tooth is held in place by two bolts, while nearly all other harrows use but one. Teeth can be moved down as they wear. The entire harrow is made of steel. Price, 60 teeth, \$24.75. Weight, 223 lbs. 5% discount for cash.

McCormick-Deering Disc Harrow

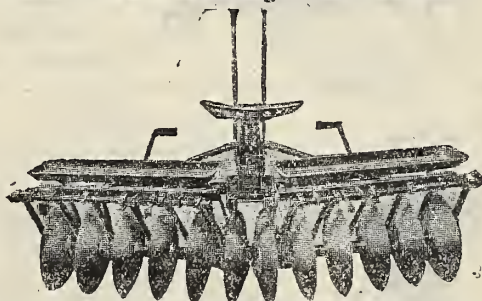


Fig. 40

Has 12 16-inch discs and weight boxes. The main frame of this harrow is constructed in such a manner that the heavy bent iron bars which fasten the main frame to the bearings are hinged both to the main frame and in the bearings. This allows the rigid frame to be used and gives an opportunity for the disc gangs to work close together. The cross beam of the frame is made of angle steel and the bars running from the ends of the cross beam to the tongue are heavy steel. The bearings are arranged so they can be easily oiled and are fitted with metal bushings which can be replaced when they become worn. This makes the harrow very strong and durable. Weight, 449 lbs. Price, \$55.00. Price includes weight boxes, scrapers and two-horse hitch. 5% discount for cash.



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



McCormick-Deering Hoosier Fertilizer Drill

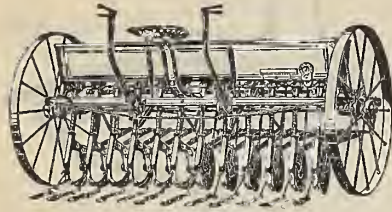


Fig. 41

By the use of a Grain Drill you decrease the quantity of seed used and increase the yield. Every seed is properly planted, which is just as necessary as with any hoed crop. The increased yield, even if it is only a few bushels per acre, will well pay for the interest on the drill. Ask for complete catalogue showing the Hoosier. Space does not permit of our describing it in detail.

No. 11-7 Single Disc Fertilizer Drill with pole, 1,200 lbs. \$170.00
Grass Seed attachment..... 6.50
5% Discount for Cash

Spring Tooth Cultivator

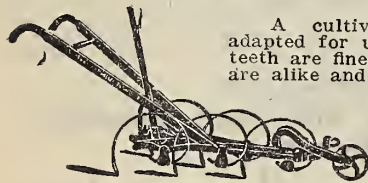


Fig. 42

A cultivator that is especially adapted for use in stony ground. The teeth are fine, oil-tempered springs, and are alike and interchangeable; they are also adjustable for angle and depth. Has expanding lever, five spring teeth and wheel. Price, \$9.75. 7 Tooth Spring Cultivator, \$11.25.

5% Discount for Cash

Spike Tooth Cultivator

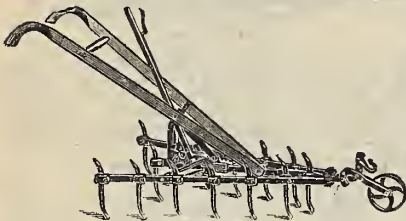


Fig. 43

This cultivator and harrow is particularly designed for cultivating between small fruits. Especially adapted to pulverize the soil and leave it smooth and level, thus conserving moisture.

Price, \$8.50

5% Discount for Cash

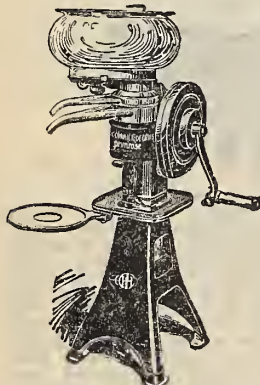


Fig. 44

The McCormick-Deering Primrose Ball-Bearing Cream Separator represents the highest development and construction in cream separators. For years the Primrose has been recognized and vouched for by thousands upon thousands of satisfied users as excelling all others for efficiency, durability, design, close skimming, compactness and finish. The added feature of ball bearings now places it far in advance of any other type of cream separator, and without additional cost to the user.

	Lbs. Per Hour	Price
No. 1	350	\$ 80.50
No. 2	450	92.00
No. 3	650	103.75

5% Discount for Cash

Add for motor (alternating current), \$65.00.

McCormick-Deering 4 Pivot Axle Riding Cultivator No. 251

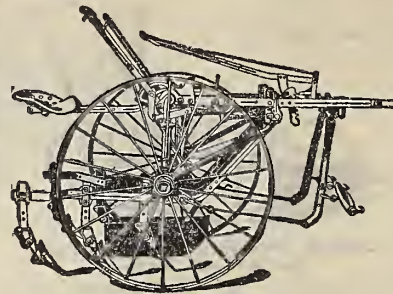


Fig. 45

This cultivator run on ball bearings, gang are always parallel cultivating depth is controlled by levers draft direct to the gangs. It is equipped with 8 double pointed shovels and trip slotte shanks. This style is especially adapted for the Eastern States. Can be adjusted from deep to shallow work wide and narrow cultivation, without leaving the seat. Equally good on Corn, Potatoes, Peas Beans, etc. A boy can handle a team can

do clean cultivating with this implement. Weight, 500 lbs Price, each, \$70.50.

5% Discount for Cash
Disc Hillers, \$4.75

McCormick-Deering 5-Tooth One-Horse Cultivator

This cultivator has 5 steel teeth, expanding width from 12 to 25 inches. Frame is high to clear trash and is good length, which enables it to run steady. Each standard has 3 holes for adjusting. Equipped with adjustable wheels and expanding lever. Weight, 75 lbs. Price, \$11.00.

5% Discount for Cash

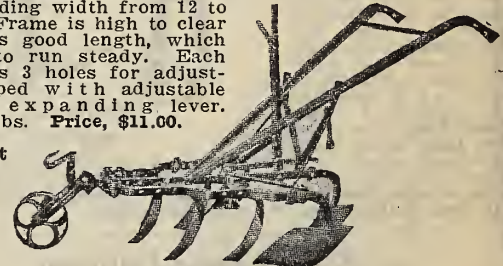


Fig. 46

Yankee Cultivator

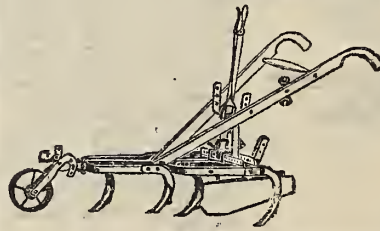


Fig. 47

New Yankee Cultivator with long hillers. Can be used for furrowing out or covering, also for hilling potatoes and similar crops. Price, \$12.00. 5% Discount for Cash

The Goslee Improved Marker

Adjustable Tooth, Spreads 2 to 4 ft.

This machine is designed to mark out rows of any width, and in doing so it makes a furrow suitable for planting. Price, \$19.75.

5% Discount for Cash

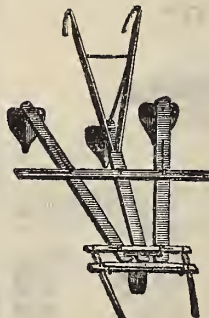


Fig. 48



EVERYBODY KNOWS ROSS' SEED GROWS



Planet Jr. Farm and Garden Tools

If you are a farmer, trucker, orchardist, or suburbanite with a kitchen garden, there is a Planet Jr. made for your special need. You can't afford to work without a Planet Jr. 71-page Planet Jr. catalog free. Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators. Write postal for it.

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

Price, complete, \$19.00
As a Seeder only (No. 4D), \$15.00



Fig. 49

This tool sows all garden seeds from the smallest up to peas and beans in hills, 4, 6, 8, 12 and 24 inches apart or in drills. No time is lost. No seed is wasted. By removing the seeder parts and substituting the tool frame, you have a first-class single wheel hoe. Makes the care of a garden a pleasure as well as very profitable. Can be used successfully by men, women or growing boys. Pays for itself in a season and will last for years.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow

Price \$22.50
Holds 2½ quarts of seed.



Fig. 50

A splendid combination for the family garden, onion grower, or larger gardener. It is a perfect seeder, and combined double and single wheel hoe.

No. 3 Planet Jr. Hill and Drill Seeder

Holds 3 Quarts of Seed. A favorite among onion growers, market gardeners and seedsmen. Sows accurately in a narrow line, making wheel-hoe cultivation easy. Price, \$18.50.



Fig. 51

The flow of seed is instantly started or stopped by the cut-off rod. Sows in large or small quantities in drills or in hills, 4, 6, 8, 12, 24 inches apart.

We recommend customers to buy separate seed drills and wheel hoes where they have enough work to warrant it and this is our popular size at a popular price.

No. 5 Planet Jr. Hill and Drill Seeder

Price \$21.00. 16½-inch steel driving wheel. Holds 5 quarts. No. 5 is undoubtedly the best seeder we make for market gardeners, onion set growers and other large planters. The style of construction is the same as in No. 3, the valuable mechanical features being common to both.

No. 11 Planet Jr. Combined Double and Single Wheel Hoe, Cultivator, Plow and Rake

Price, with Attachments as in cut, 14-inch Steel Wheels Steel Frame \$14.50



Fig. 52

A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world.

No. 12 Planet Jr. Double Wheel Hoe, Cultivator and Plow

Price, \$11.50

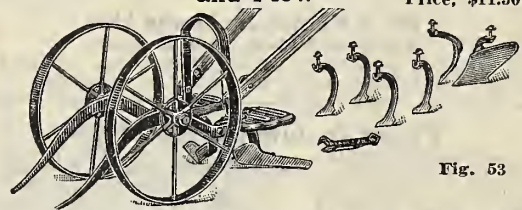


Fig. 53

This tool is identical with No. 11 Double Wheel Hoe, except that it has one pair plows, one pair hoes, four cultivator teeth and a pair of leaf lifters only. They are what gardeners use most, and the others can be added as wanted.

No. 16 Planet Jr. Single Wheel Hoe

Price, \$9.50

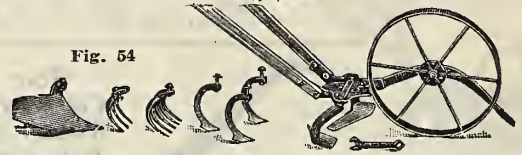


Fig. 54

The highest type of Single Wheel Hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest and best way.

No. 17 Planet Jr. Single Wheel Hoe

Price, \$8.00

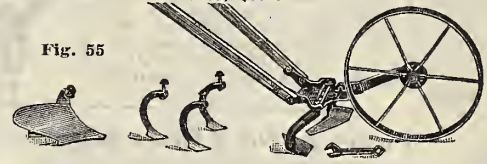


Fig. 55

No. 18 Single Wheel Hoe

Price, \$6.00

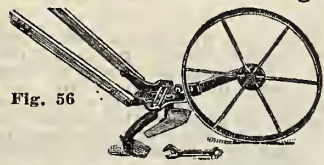


Fig. 56

This has one pair of 6-inch hoes only—the tools that are most constantly useful throughout the season. Other attachments can be added as needed.

No. 19 Planet Jr. Single Wheel Hoe

Price, \$6.25

This attractive implement is especially designed for the farmer's garden work, though it offers to every one with either field or garden a cheap and effective tool for wheel-hoe operations.

Fig. 57





PLANET JR. FARM AND GARDEN TOOLS

No. 119 Planet Jr. Garden Plow and Cultivator



Fig. 58

This new member of the "Planet Jr." family will appeal to all those who prefer a high wheel tool for their garden work. Where the soil has not been so thoroughly and carefully prepared, the high wheel undoubtedly makes an easy running tool.

The wheel is 24 in. in diameter with a rim 1 1/2 in. wide, insuring easy running in the lightest soil.

The equipment is so complete that it will meet all the needs of the ordinary garden, where the adjustments and refinements of the higher priced Wheel Hoes are not required. Price, \$5.25.

No. 9 Planet Jr. Horse Hoe

Price, with Cast Wheels, \$16.75

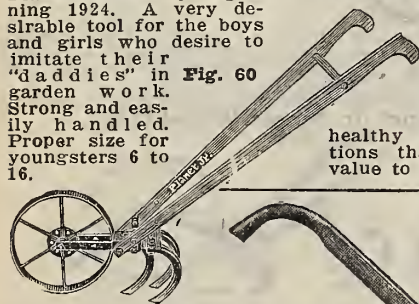
Is identical with No. 8 except that it has no depth regulator, and has a plain wheel instead of lever wheel.

Planet Jr. Juvenile Wheel Hoe

A new member of the Planet Jr. family beginning 1924. A very desirable tool for the boys and girls who desire to imitate their "daddies" in garden work. Strong and easily handled. Proper size for youngsters 6 to 16.

Price \$4.00

Fig. 60



The spirit of industry that will be instilled in the youngsters by using this wheel hoe, working with their "daddies" in the garden, will be valuable throughout life; the work itself will bring about healthy and sturdy constitutions that will be of great value to them.

Star Cultivator, Weeder and Pulverizer

An improvement over the old style pulverizer. Light, easily handled. Very useful in flower gardens where plants are close. The star wheels break up the soil and the oscillating blade pulverizes it, and also cuts off the weeds directly beneath the surface. Used as a cultivator after a rain, this tool will not leave the ground in a lumpy condition. Price, \$3.50.

Fig. 61



Fig. 62

Every one who uses a lawn mower should have a Planet Jr. No. 2 Grass Edger. The cutting blade is made of the best quality steel and well sharpened. The handle is strong, being made of good quality wood. In order to have attractive lawns, keep the edges well trimmed. There is no better tool for this purpose than the Planet Jr. No. 2 Edger. Price \$1.80.



Fig. 62A

Packed weight, 88 lbs. Price, \$35.00

Planet Jr. Double Celery Hiller

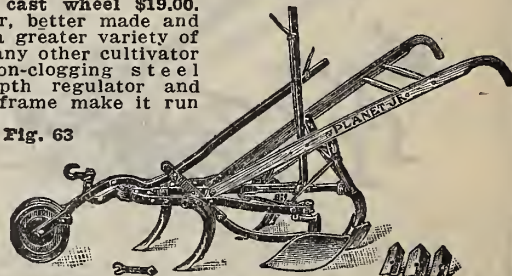
Planet Jr. Double Celery Hiller

Produces a great saving in growing celery and is almost exclusively used where known. Leaf lifters are adjustable in height to suit crops by bending slightly; especially valuable for early working. Equipped with lever standards, leaf lifters and steel lever wheel. Hilling blade is 43 inches long adjustable in width or height as wanted. Works all rows up to four feet apart. Before hilling, the soil should be thoroughly loosened with a horse hoe.

No. 8 Planet Jr. Horse Hoe

Price with cast wheel \$19.00. Stronger, better made and capable of a greater variety of work than any other cultivator made. Non-clogging steel wheel. Depth regulator and extra long frame make it run steady.

Fig. 63



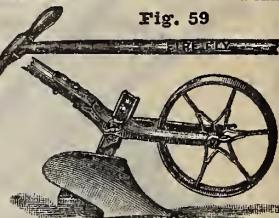
The No. 7 Horse Hoe is the No. 8 without the depth regulator. It works the same as No. 8 in every way except that it lacks the steadiness and easy control of depth made possible by the depth regulator. Price, with cast wheels, \$18.25.

Fire-Fly Garden Plow

Price, \$4.25

This tool will enable a busy man to do in his spare minutes nearly all the work of a family garden. Chicken raisers find it of great advantage in plowing up their scratching yards. It will throw a furrow four to six inches wide and one to three inches deep.

Fig. 59



Planet Jr. No. 101 Horse Hoe and Cultivator

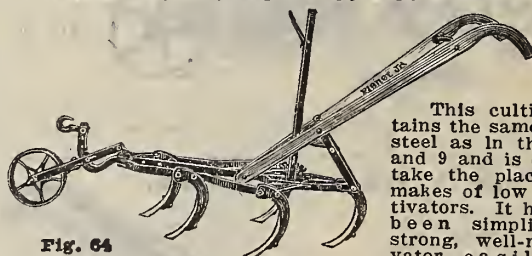


Fig. 64

This cultivator contains the same quality of steel as in the No. 7, 8 and 9 and is designed to take the place of other makes of low priced cultivators. It has recently been simplified, is a strong, well-made cultivator, easily handled, has few parts and practically no danger of getting out of order. We recommend this as being the best low priced cultivator. Price, \$12.00.

No. 90 Complete, with Cast Wheel

\$19.00

Weight, packed, 74 lbs. No. 90B (without Pulverizer), \$15.75.

No. 91 (with wheel), \$15.00.



Fig. 65

An invaluable tool in the market garden, truck and strawberry patches. Has new steel wheel which prevents clogging. Its 12 chisel-shaped teeth cut out all weeds, stir and mellow the soil and leave the ground in the finest condition without throwing dirt on plants.



EVERYBODY KNOWS ROSS' SEED GROWS



Aspinwall Potato Planter

This Machine plants a greater range of seed, both as to size and shape, than ever before and handles it with the least possible friction or wear. To regulate the distance of planting—simply a change of gear wheels, which can be made in less time than it would take to replace one picker. In lieu of the cumbersome wooden structure, a canvas hopper has been substituted, which overcomes all tendency to clog or bridge with either the whole or cut seed. Both the feed and covered tension are regulated from the seat. No removal of bolts—simply turning a thumbscrew does the work. List price, with fertilizer and attachments and disc covers, \$150.00. 5% cash.

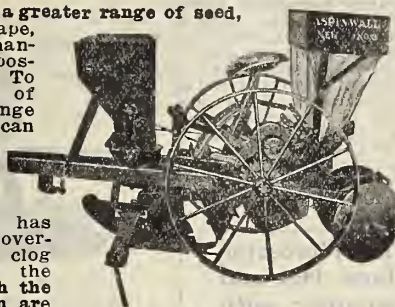


Fig. 66

"King of Cornfield"

Corn, Bean and Pea Planter and Fertilizer Distributor

Does perfect work, not only in planting corn in hills or drills, but does equally as good work planting peas, beans and all similar seeds, putting in the fertilizer as well, in any desired quantity, or the fertilizer may be stopped off altogether, if desired. Another great feature in this machine, corn and beans may be planted at the same time in the same row, the beans half way between the corn, or $4\frac{1}{2}$ or 9 inches from the corn, as desired. The fertilizer may be put with the corn and left out of the beans, if desired to do so. Price, \$45.00. 5% discount for cash.

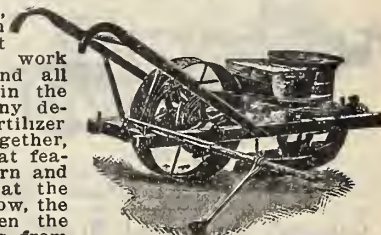


Fig. 69

Eclipse Corn Planter and Fertilizer Distributor



Fig. 67

Plants field or ensilage corn, beans, peas or beet seeds in hills, drills or checks; it will drop 6, 12, 24 or 36 inches apart. By scattering pumpkin seeds in with the fertilizer in filling the hopper will place seeds in hills when planting corn. It accurately distributes from 50 to 450 lbs., as desired, of commercial fertilizer, wet or dry, in the rows of hills, first drawing moist earth in the seed before the fertilizer is dropped each side of the seed, and hill is covered to a uniform depth. Price, complete, \$45.00. 5% Discount for Cash

Eclipse Two-Row Two-Horse Corn Planter

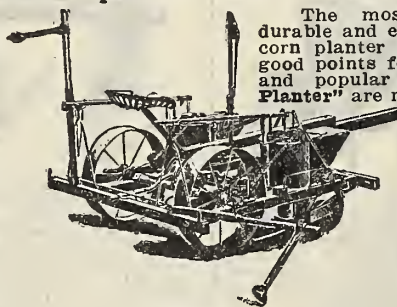


Fig. 70

Price, \$102.00. 5% discount for cash.

The most complete, accurate, durable and easy handled double row corn planter in the market. All the good points found in the well-known and popular "Eclipse Single Row Planter" are retained in this machine. Sows 36, 38, 40 and 42 inches apart. The new Marker Device used for two seasons with perfect success on the Single-Row Eclipse is used on this. One move of the lever throws the machine out of gear and at the same time raises the planter and covers ready for turning the team at the end of rows.

Nonpareil Fertilizer and Lime Sower



Fig. 68

Nonpareil Sowers will distribute successfully every known kind of Agricultural Lime and Commercial Fertilizer used on the farm, providing it will pass through the screen into the hopper of the sower.

The sowers are equipped with an agitator which revolves in the bottom of the hopper, making all sowers positively force feed. This agitator is divided in the middle, it having a very strong and substantial bearing in the middle of the hopper and at both ends. This feature eliminates the use of the ratchet wheel and at the same time insures a very even distribution when turning corners.

A strong feed lever operates the feed plate. This lever passes through a quantity gauge on which there are 20 notches, each notch representing 250 pounds to the acre, so that different quantities from 100 to 5,000 pounds can be distributed to the acre by opening and closing the feed plate.

Each half of the agitator is driven direct from each wheel, so that there are no gears or sprockets to get rusty and break, thereby causing a continual annoyance to the user.

The Nonpareil Sowers are equipped with an all steel wheel with cast iron hub boxings. They are 32 inches in diameter, with 12 $\frac{1}{2}$ -inch steel staggered spokes. The tire is $\frac{1}{4}$ -inch in thickness and 3 $\frac{1}{2}$ inches wide.

Capacity, 15 bushels. Sowing swath, 8 feet. Weight, 435 pounds. Price, \$60.00. 5% Discount for Cash.

Farmer's Friend Fertilizer Sower

Attaches to any ordinary farm wagon and sows to perfection grass and grain seeds of all kinds and in any desired quantity per acre, 50 to 100 acres a day. It also distributes all dry commercial fertilizers; also ashes, land plaster, lime, etc. It has positive feed and an adjustment opening the holes from $\frac{1}{4}$ to 1 $\frac{1}{2}$ inches, which allows the sowing of seeds of any size; the flow can be shut off anywhere, either on one side or the other, or altogether, as required; it is instantly thrown in or out of gear. Price, complete to attach to wagon, \$16.00.

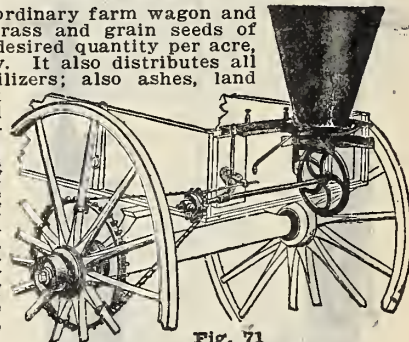


Fig. 71

McWhorter Hand Fertilizer Sower

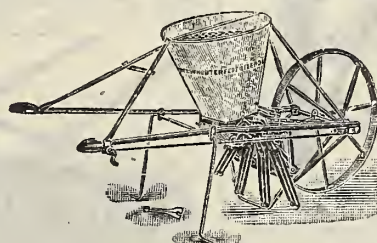


Fig. 72

This fertilizer sower can be instantly changed so that the stream is divided from one into two or more streams, and thus be applied beside one, two or more rows of plants at the same time. The spouts or channels through which it passes to the ground open and close, so that starting with a width of about 4 inches, the spread can be gradually increased to 30 inches. This is especially adapted for top dressing strawberry beds and lawns. Price, \$22.75.



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



International Manure Spreaders



Fig. 73

a much larger beater than other spreaders. Send for complete catalogue. Weight 1540 lbs. Price, No. 1, \$170.00. 5% discount for cash.

All International Manure Spreaders have steel frame and can readily be called a steel machine, as they are made almost entirely of steel. The box, sides and front are practically the only parts of wood. Light weight, great strength and durability are the result. Steel frame makes the foundation. They are strong cross-tied and parts holding the bearings in alignment have withstood after many seasons of hard use. The main axles are equipped with oil bearings, making this spreader very light in draft and allows of

Fastest of All Grass Seeders

Thompson's Seeder



Fig. 80

Sows uniformly the whole length of the hopper. Weight, 45 lbs.

This is really the Greatest Grass Seeder made today. Not a toy, but a strong and durable implement specially designed and adapted to its use. 14 feet long. Over two hundred thousand are now in use on the farms of this country. It will sow easily 40 acres per day. So close to the ground that the wind can never blow the seed away.

Seeder No. 5. Sows Clover, Timothy, Hungarian Millet, Alfalfa, Chaffy Seeds, like Red Top, Orchard Grass and Kentucky Blue Grass. Price \$13.25.

No. 4. Grain Seeder Box, 10 feet, for sowing all kinds of grain. Fits No. 5 Seeder, and with both boxes all kinds of grain and grass seeds can be sown. Price, \$8.50.

No. 5 Seeder and No. 4 Grain Box. Price, \$21.00.

The Cyclone Broadcast Seeder

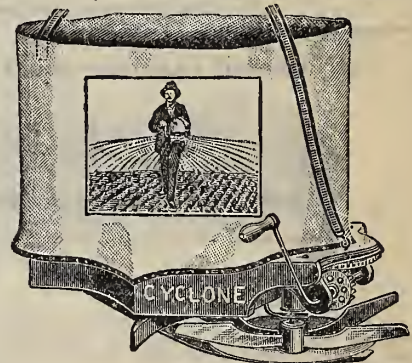


Fig. 81

Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Red Top, Millet and all other grains and seeds perfectly even, and any desired amount to the acre, and from 40 to 60 acres a day. Net price, \$2.50. Mailing weight, 2 lbs.

The Worcester Weeder—The Farmers' Best Friend

One of the indispensable articles on any farm where horse cultivated crops are grown, or where corn or grass seeds are sown. This weeder is made of high carbon angle iron steel, teeth attached to frame with bolts are held tight by a spring steel lock washer. This is the best implement made for preparing a seed bed and will pay for itself in one season. In cultivating corn it should be used just before the crop is up and immediately after. Destroys the weeds, but does not injure the crop. Price, \$16.00. 5% discount for cash.

Cahoon's Improved Broadcast Seed Sower

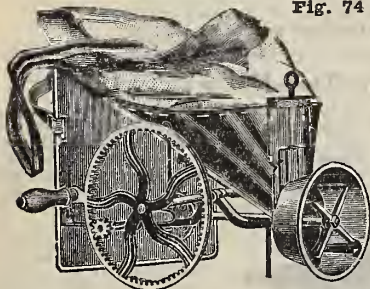


Fig. 74

Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 feet from each side of the operator); lighter seeds, of course, will not be thrown so far. Price, \$4.25. 8 lbs.

Automatic Hand Corn Planter



Fig. 75

Very handy for replanting and for small gardens.

Price, \$2.75.

Mailing wt., 5 lbs.

The Segment One-Hand Corn Planter

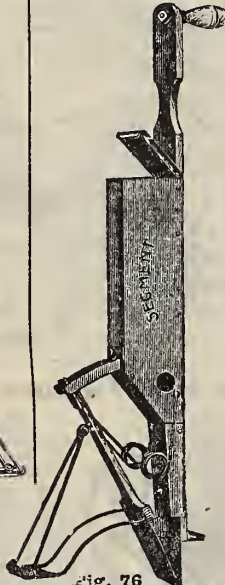


Fig. 76

Lightest, most accurate, strongest and most up-to-date planter on the market. All parts are interchangeable.

Price, \$2.00.

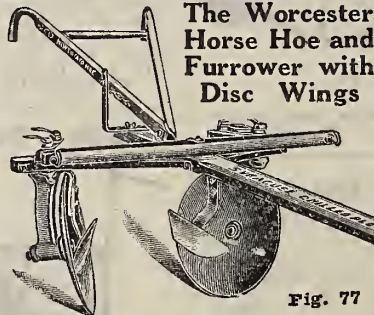


Fig. 77

The best implement made for furrowing, covering and hilling potatoes and similar crops. The steel covers or wings can be adjusted for making any style of hill desired in furrows of uniform width. All potato growers know the value of this tool and none of them attempt to get along without it. It is necessary to cover young plants completely when just out of the ground. The steel discs are made of best crucible spring steel and will last for a lifetime. Price, \$16.00.

The Worcester Horse Hoe and Hiller with Steel Wings



Fig. 78

This implement is the same as the Worcester Horse Hoe and Furrower, with exception of discs, which are used in place of steel hillers or covered wings. They are adjustable and by many are preferred to the steel hillers. All potato growers should have one of these two implements. These wings are made of best crucible steel and will last for a long time. Price, \$13.00.



Fig. 79



EVERYBODY KNOWS ROSS' SEED GROWS



Deering Ideal Mower

This machine runs on ball and roller bearings which makes a very light draft and still running machine. All breakable parts are malleable iron. Frame is cast in one piece. Gears are so placed that the entire mechanism is well balanced, with no side draft.

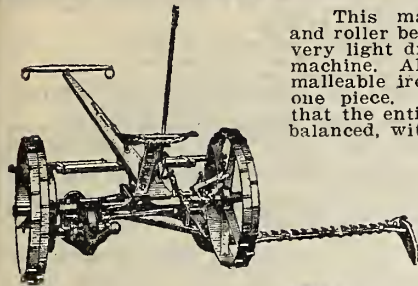


Fig. 82

5% Discount for Cash

PRICES

5 foot cut, two horse Ideal Mower, \$84.00.

6 foot cut, Giant Mower, \$90.00.

McCormick Vertical Lift Mowers

This mower, so well known by the farmers in general, is particularly adapted for New England use. It is made in rugged shape to stand the local conditions and the vertical lift which we sell especially in McCormick mower is recognized as a great addition to the hay tool line in general.

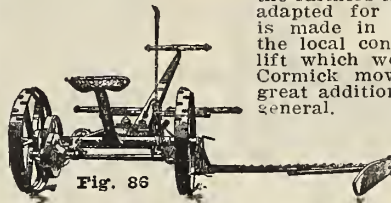


Fig. 86

The following points feature this machine, we think, as one of the best machines manufactured today:

- Heat treated cutter bar and wearing plates.
- The weight of the cutter bar is carried on the wheels.
- Pitman box has bronze bushings.
- The push bar is located low, which helps to make the cutter bar float.
- The counter shaft has bearings at each end.
- The main lifting lever is equipped with automatic locking device.

Equipped with tongue, neckyoke, whiffletrees, and two knives.

	Weight	Price
4-foot	600 lbs.	\$80.00
5-foot	725 lbs.	85.00
6-foot	805 lbs.	91.00

5% Discount for Cash

McCormick-Deering Hay Tedder

This is the neatest and most substantially built steel frame hay tedder on the market. It has a solid steel axle and on stony ground we recommend this to any other tedder. We believe an entire steel tedder made like this one will outlast any other tedder on the market today. It has two levers, one throwing in and out of gear and one for raising and lowering the forks for uneven ground. It has combined pole and shafts so it can be used for either one or two

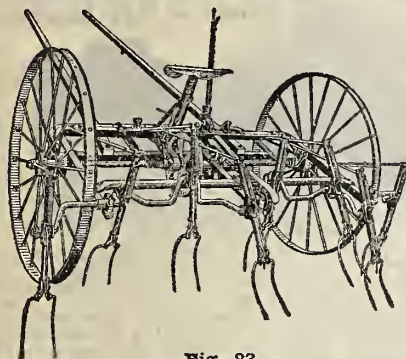


Fig. 83

horses. It is the best steel-frame hay tedder on the market—six forks. Price, \$76.75. Less 5% cash.

Mowing Machine Sections

We have these sections or knives for every machine, including the Deering, McCormick, Worcester, Buckeye, Adirance Buckeye, Johnson, Dain, etc.

Every section warranted. Do not buy the cheap kind, but buy the best sections fitted for your particular machine.

Per box of 25 sections, \$1.65.

Sections rivets, 25c per lb.

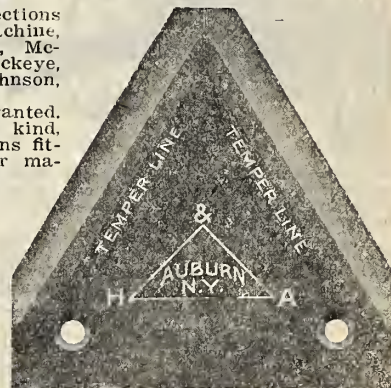


Fig. 87

Victor Tubular Steel Frame Grind-Stone

With Foot-Treadle and Seat



Fig. 84

Adjustable seat, 4 to 5 inches, vertically. Stone movable forward and back on frame. Frame being slightly flexible, it adjusts itself to uneven floors or surfaces. Rigid and easily set up. Bi-treadle with power properly applied. Hinged connection with ball-bearings on crank. Ball-bearings in journals. Frame is narrow at top, making it convenient to apply power, and spread at base, giving greater rigidity. Crated complete, stone protected. Made in one size, about 100 lb. stone. Price, \$9.50.

Wilcox Mounted Grind-Stone

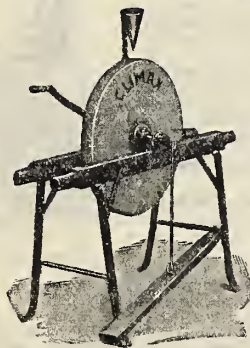


Fig. 85

This is the best low-priced grind-stone on the market. The stone is best Berea Grit (Ohio), the legs are iron, which will not rot if left out during haying; the wood sidepieces are painted bright vermilion. Runs on ball-bearings, and every stone warranted to run true.

No. 1, about 100 lbs.	\$8.00
No. 2, about 120 lbs.	9.25
No. 3, about 135 lbs.	9.75

Hecla Wood Frame Mounted Grind-Stone

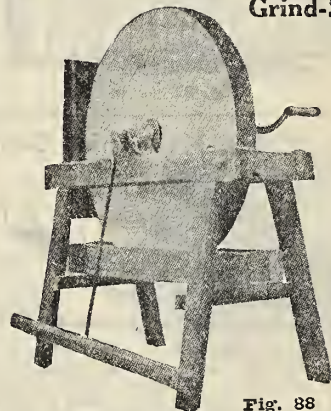


Fig. 88

The stones in these are best Nova Scotia Grit, mounted on heavy hardwood frame. Will last a lifetime. It pays to buy a good article.

24x2	\$22.25
24x3	27.00
26x2 1/2	27.25
26x3	30.00



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



All Emperor Rakes Have Combination Thills for One or Two Horses

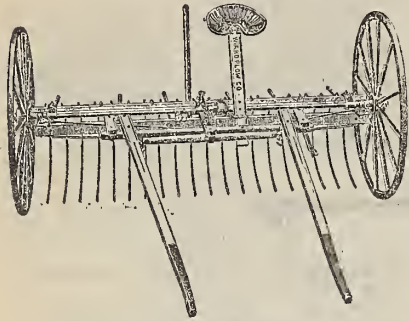


Fig. 89

Among the many valuable features of the Emperor are:
 A doubly-trussed frame that prevents all sagging of frame or axle.
 A hand lever that cannot change position when the foot dump is used.
 A revolving steel axle and positive dump that cannot get out of order.
 A dumping ratchet provided with flanges that strengthen the axle.
 A reversible dump dog of hardened steel that can be changed to four different positions should any wear occur.
 A cam action for releasing the dog, which drops the teeth without shock or noise.
 A flexible joint by which the teeth may be held down to their work or carried high for any distance with the same foot.
 The tooth head is so attached to the axle that the teeth keep their places and rake clean, going up or down hill, no matter how steep.
 The teeth are so hung in the head that they can be taken out and put in with the least trouble; are flattened and have chisel points that will not dig, take up least dust, offer least resistance, and reduce the draft.
 We furnish short teeth at end to keep hay out of wheels and hooks to keep hay from rolling, when so ordered.
 Adjustable seat, secure foot rest, best selected material, steel axles and truss rods, hickory cleaners, and wheels of our own make, with round felloes and clipped joints.

Price, \$45.00.

McCormick-Deering Combined Side-Delivery Hay Rake and Tedder

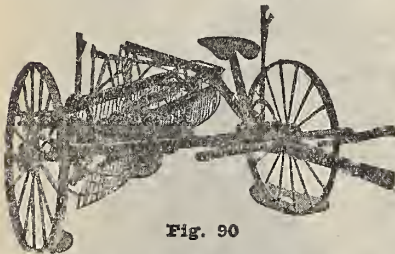


Fig. 90

The left hand delivery of the Keystone combined side delivery rake and tedder allows you to follow the mower closely and rake the hay before the leaves begin to wilt. This is practically the same construction as the regular Keystone Side Delivery Rake, which does not have the reversing mechanism for tedding that this machine has. The teeth strike the head of the hay first and rake much cleaner, and turning the hay into a neat, airy windrow, where the air gets an equal chance at stems and leaves. Air cured hay is better than sun-dried hay.

The left-hand delivery deposits the windrow on the clean stubble and not on the unturned swath, as in the case of the right-handed rake. Price, \$122.50. Weight, 920 lbs.
 5% Discount for Cash



Fig. 93

This Loader is built principally of steel and is made to last. It will pay for itself in one season, but it will last for a lifetime. A Hay Loader is just as essential as a side delivery rake for the economical handling of hay. It does quicker and better work and at the same time saves labor. The McCormick-Deering Loader enables you to keep ahead of the weather. The loader can be detached from the wagon by the driver simply pulling a rope extending to the top of the load which enables him to drive to the barn, while the next team picks up the loader.

Price, with forecarriage, \$125.50.
 5% Discount for Cash

McCormick-Deering Steel Frame Rake



Fig. 91

This rake is made to supply the demand for an all-steel rake. We believe that it is the best of the entire lot. It is a horse dump-rake. Strength and simplicity are two features of its construction. 8 FT. 25 TEETH. Price, \$44.00.
 5 per cent Cash

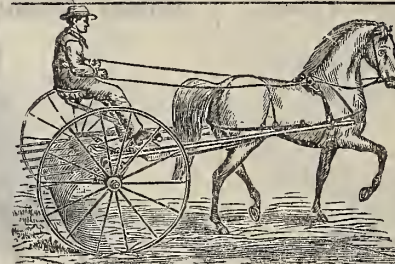


Fig. 94

Yankee Hay Rake 24 TEETH

This is the old reliable Yankee, which needs no introduction. It is a very easy rake to operate, each tooth being independent; it will pass over large stones without breaking the teeth. It is so easy to operate that a child can handle it.

Price, \$45.00.

The McCormick Corn Binder

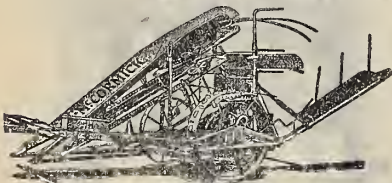


Fig. 92

The McCormick Corn Binder picks up down and tangled corn. There is bound to be some down corn in practically every corn field. The storms and wind will blow it down and it is sometimes badly twisted and tangled. Corn in this condition is difficult to handle either by hand or by machine. The McCormick is especially adapted for that particular class of work. It cuts and binds into even sized bundles. It is equipped with elevator chains which help especially to pick up down corn. There is no waste and you always get a neat job when you use the McCormick. The binder can be set up any desired height. The distance between the gathering points on the corn binder is 22 inches. This will enable anyone to follow the row without missing a single hill.

Complete catalogue showing the McCormick line in detail will be mailed on request. Price, \$220.00. Bundle carrier, extra.

5% Discount for Cash

Deering Knife Grinder

It is poor economy to operate a mower with a dull knife, for it racks the machine and worries the horses. The Deering grinder is so arranged that the emery wheel sharpens two mower sections at once and preserves the correct bevel. For grinding out nicks the degree of pressure which enables the operator to control the action of the wheel and the pressure. The knife is firmly held in place by clamps and may be easily removed from section to section of the wheel; grinds any make of knife. Price, \$6.75.

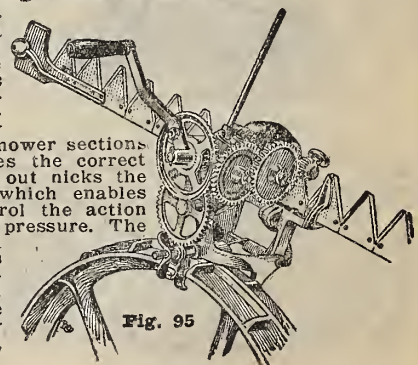


Fig. 95

EVERYBODY KNOWS ROSS' SEED GROWS

No Barn Is Complete Without One of These Horse Hay Fork Fixtures

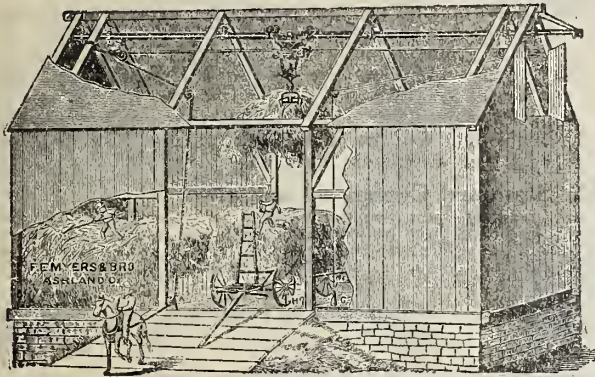


Fig. 96

Reversible Steel Track Hay Carriers

These carriers for rod, wood or steel track are the most durable and easiest rigs to operate of any on the market. Anyone with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of your barn and style of ridge pole, we will name you price for complete job.

- Fig. A Double Steel Track, per ft. \$ 0.25
- Fig. B Hanger Hook, per doz. 2.25
- Fig. C Pulley Hook, per doz. 2.25
- Fig. D Hay Unloader, each. 10.25
- Fig. E Knot Passing Pulley, each.70
- Fig. F Two-tine Harpoon Fork, 25",
each 2.25
31", each 2.50
- Fig. G Four-tine Grapple Fork. 10.50
- Fig. H Six-tine Grapple Fork. 12.00
- Fig. I Rafter Bracket, per doz. 1.00



Fig. H



Fig. G



Fig. F

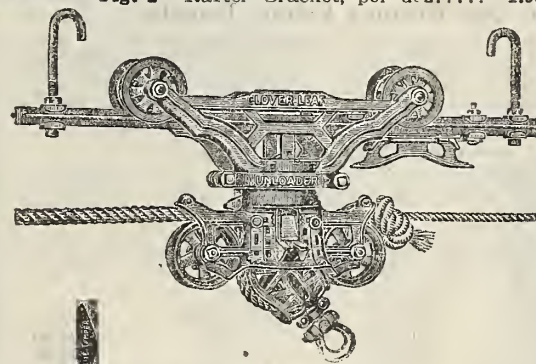


Fig. D.

Fig. J—Three Tine Hay Forks

No.	Price
No. 133B	\$1.15
No. 133½B	1.15
No. 134B	1.20
No. 134½B	1.25
No. 135B	1.30
No. 144B	1.30
No. 144½B	1.35
No. 145B	1.40

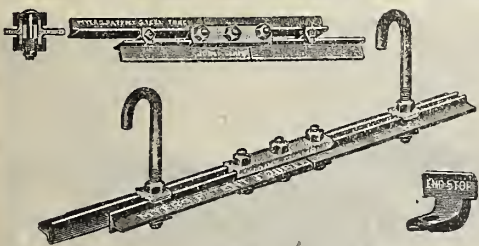


Fig. A



Fig. B



Fig. C



Lightning Hay Knife

Fig. 98
Each, \$2.50

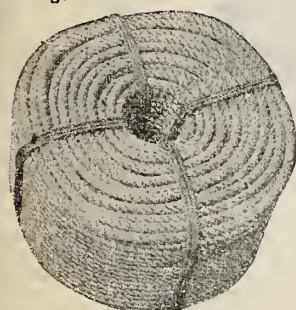


Fig. 97

Pure Manila Rope

Coils about 50 lbs. each.

	1 lb. Equals	Price per lb.
¼-inch	55 feet	31c
⅜-inch	27 feet	30c
½-inch	13 feet, 4 in.	29c
⅝-inch	7 feet, 6 in.	28c
¾-inch	6 feet	28c



Fig. I

Binder Twine

Put up six balls to bale.

Per ball	\$1.35
Per bale	7.50



Fig. 99

Tarred Lath Yarn

In coils of about 50 lbs., wound in rope form. Each rope contains 130 ends. Used in tying corn and for various other uses. Per lb. 25 cts.

Terms may be arranged for extended credit should our customers so desire.



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Poultry Supplies of All Kinds

The poultry industry is getting to be one of the largest industries in the United States at the present time and is growing by leaps and bounds. From the milling people and from dealers in poultry in a large way, everything seems to point to a very rapid increase and we see no reason why it should not. There is hardly any business in the world today where one can invest so little capital and get such large returns. The poultry business, if handled in the right way, will pay 100 to 200 per cent profit with no dead stock.

Our line of poultry supplies cannot be excelled. Everything which we offer for sale is absolutely guaranteed by the manufacturers and also by ourselves and we are bound to have our customers satisfied.

Insurable Standard Cypher's Incubators

When you buy a Cypher's machine, you are not making an experiment, but are buying a machine that has been tested by thousands of satisfied users from coast to coast with a reputation behind it. Being the pioneers in the Incubator business, they have added every scientific feature to the hatching process until the Cypher's machine is in a class by itself, the best.

No.	Weight	Capacity		Price
		Duck Eggs	Hen Eggs	
No. 1 Incubator.....	142 lbs.	112	144	\$42.00
No. 2 Incubator.....	195 lbs.	200	244	56.00
No. 3 Incubator.....	245 lbs.	300	390	69.00

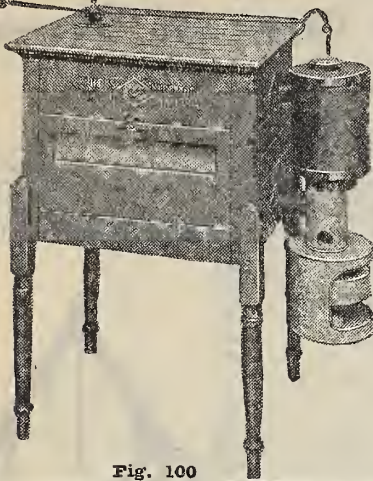


Fig. 100

The Newtown Coal Burning Colony Brooder

The Newtown Coal Burning Brooder is constructed on scientific principles. Has a heavy metal facing around the fire bowl which prevents Chicks from getting burned. Has a double bottom, all parts securely bolted and cemented together. Built to last a lifetime. It has a large heating surface and a large fuel capacity, and a self-feeding coal magazine. The magazine holds sufficient coal to last from twenty-four to thirty-six hours. Has a special revolving draw center grate which cannot become clinker-clogged. Has both direct and check draft, controlled by an automatic regulator, which makes an absolutely even fire. The automatic regulator is so arranged that it cannot come in contact with the Chicks or be molested in any way. Special arrangement of the draught openings insures a constant change of air beneath the deflector.

We have two sizes. No. 7, suitable for a house 6x8 to 10x12, which can accommodate two or three hundred Chicks. No. 11, designed more especially for two-room colony houses, but can be used in any single room, would take care of five hundred Chicks.

No.	Diameter of deflection	Weight crated	Size of smoke pipe	Price
No. 7	48 in.	140 lbs.	3 in.	\$25.00
No. 11	50 in.	195 lbs.	4 in.	32.50
No. 12	56 in.	280 lbs.	5 in.	40.00

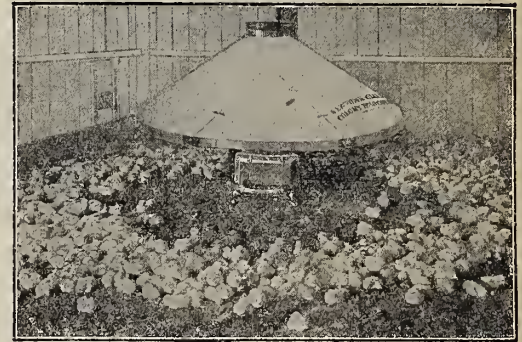


Fig. 101

BABY CHICKS

HUSKY DAY OLD CHICKS
Guaranteed safe arrival when shipped direct from our hatchery.

Every indication points to a large increase in the poultry industry for 1925, and we see no reason why there should not. The poultry business is a business that pays 100 per cent profit when handled right, and there is a wonderful opportunity for this increased business. Our advice is to get your order in early for day-old chicks and not be disappointed the way many were last year, not being able to get their orders when wanted.

Beginning March 15th we will have on hand the following breeds, which we can furnish at prices named:

	Per 100 each	Per 50 each	Per 25 each
White Wyandottes	\$0.20	\$0.22	\$0.24
White Plymouth Rocks.....	.20	.22	.24
Rhode Island Reds.....	.20	.22	.24
Barred Plymouth Rocks.....	.20	.22	.24

Above prices are f. o. b. Worcester or delivered by parcel post from the hatchers. The breeds mentioned are what we carry in stock at our stores, but we can furnish almost any others from the hatchers. Let us book your order now. How many?

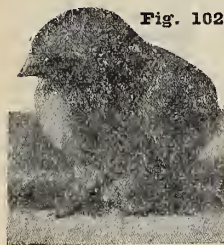


Fig. 102

Reliable Standard Coal Burning Colony Brooder

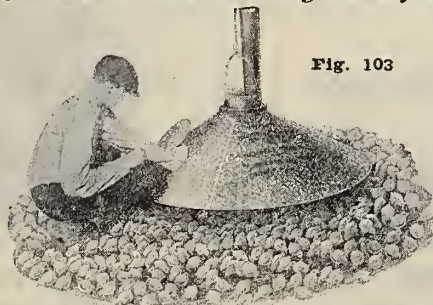


Fig. 103

No.	Size of Canopy	Capacity	Height	Shipping Wt. Complete	Price
9	42 in.	500 or less	22 in.	80 lbs.	\$21.50
10	52 in.	1,000 or less	26 in.	106 lbs.	26.60
11	60 in.	1,200 or less	26 in.	122 lbs.	30.00

The Putnam Brooder

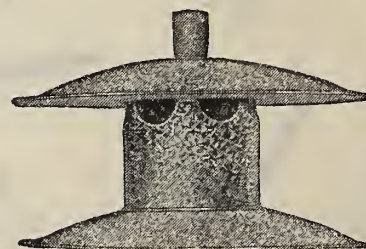


Fig. 104

This little article makes the best little brooder in the world. Stove costs \$4.75. With this stove we will furnish directions for building. Anyone can make this brooder out of a shoe box in a little while.

A shoe box, a few nails, this stove and an hour's time gives you a brooder which will serve you as well as any other on the market. Stove, \$4.75.

All prices in this catalogue subject to change without notice



EVERYBODY KNOWS ROSS' SEED GROWERS



Duplex Fount

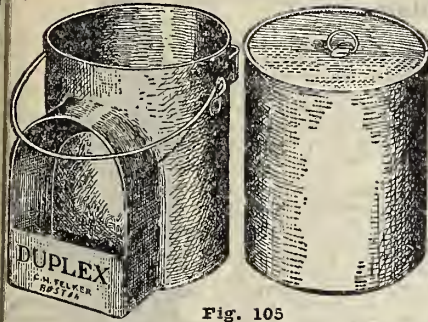


Fig. 105

Perfectly sanitary. Made of heavy galvanized iron. Take off the top, fill it, put on the lower part and you have a fount that will keep your flock healthy. Tends to keep water cool—summer and does not freeze readily—winter.

4 qt. \$1.15 each; 8 qt. \$1.40 each.

DUPLEX TWIN FOUNTAIN (two outlet hoods), 8 qt. \$1.65.

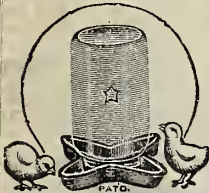


Fig. 106

Star Chick Feeder and Fount

Fit any mason jar. Price, each, 10 cts.

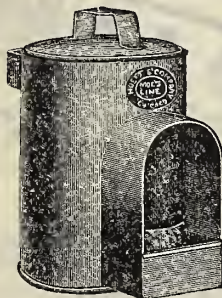


Fig. 107

Wall Fount

4 qt. \$0.90
8 qt. 1.10

The Norwich Automatic Exerciser and Feeder



Fig. 108

The Norwich Automatic Exerciser and Feeder, as its name implies, is an ingenious automatic machine for feeding and exercising.

PRICE LIST—No. 1, 8 Quart Hopper, 13 lbs., \$5.00; No. 2, 14 Quart Hopper, 15 lbs., \$5.50; No. 3, 20 Quart Hopper, 20 lbs., \$6.50; No. 4, 32 Quart Hopper, 27 lbs., \$7.50.

Norwich Chick Feeder



Fig. 109

PRICE LIST

20 in., without rain top, wt. 2 lbs. .\$.075
20 in., with rain top, weight 3 lbs. . 1.00
Add Postage for your zone.



Fig. 110

Poultrymen can double their profits by Caponizing their chicks. The operation is very simple—the instruction so full and explicit that anyone will be able to perform the operation. Capons are worth \$1.00 to \$1.50 more than cocks not Caponized. They are very much quieter in disposition.

Complete with instructions, \$3.50. We send book, "Complete Guide for Caponizing," with every set.

Farmer's plain set in pasteboard box, \$2.75.

Round Baby Chick Feeders

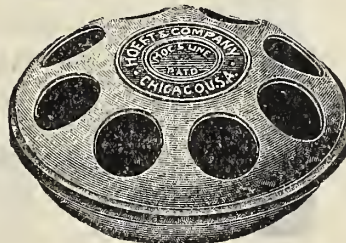


Fig. 111

12 hole, each.25 cts.
8 hole, each.15 cts.



Fig. 112

12 in., Double Trough.45 cts.
18 in.60 cts.
24 in.70 cts.
10 in., Aluminum Trough for feeding buttermilk.50 cts.
20 in., Aluminum Trough for feeding buttermilk.90 cts.

Peerless Fount

Take off bottom to fill.

1 qt. 45 cts., 5 qts. 90 cts., 10 qts. \$1.25.



Fig. 113

Two Piece Fountain



Fig. 114

1 qt.35 cts.
2 qt.45 cts.
4 qt.60 cts.

Sexton's Dry Feed Hopper Open

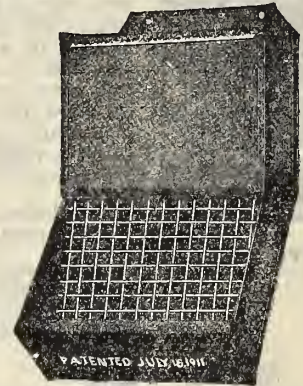


Fig. 115

Pronounced to be the best hopper offered. Construction, easily operated and absolutely "Rat" and "Mouse" Proof.

The lower cover is so arranged that it is held up by locking the top cover of Hopper over same and by raising the top cover the lower cover will fall in place.

This Hopper is arranged to hang on the wall the desired distance from floor and never need be removed from the wall to be refilled. It is impossible to waste any feed, as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste.

Price, No. 2, 3 qt. \$1.10, 3 lbs. Price, No. 1, 12 qt. \$1.50, 5 lbs. Price, No. 5, 24 qt. \$2.40, 7 lbs.

Earthen Pigeon Bowl

All pigeon fanciers recommend this style of bowl for their coops.

Per doz. \$2.00

Each25

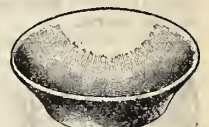


Fig. 116



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Lawn Park Coops THE LAWN PARK COOP SAVES THE CHICKS



Fig. 117

Park Extended

The wire park pulls out like a bureau drawer and is made from heavy galvanized hardware cloth. The main coop is made from strong 28 gauge galvanized iron. Size of coop, when park is fully extended as shown in cut, is 18 inches wide, 19 1/2 inches high and 48 inches long. When park is closed it is 24 inches long.

A small door is provided to let small chicks only have full range as desired.

Protect the chicks from hawks, rats, weasels, vermin, cold, storms, etc. Give proper ventilation and sanitation. Price, each \$4.00. Three for \$11.00.

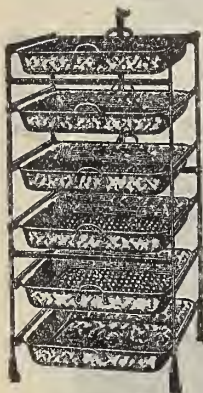


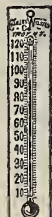
Fig. 118

Worcester Oat Sprouter

It pays to feed green stuff in winter

With this mechanical device green feed can be given to the poultry at all times. The tray contains five sprouting pans with a bottom drip pan full of sprouted oats each day and replacing this same pan with a fresh supply of oats, the new shoots from one to four inches high can be supplied to the fowls daily, giving a never failing supply of green feed.

Endorsed by all the poultry raisers and egg producers. Price, \$6.00.



A



B



C



D

Fig. 119

- A Brooder Thermometer, 50 cts.
- B Prairie State Incubator Thermometer, 75 cts.
- C Cypher's Incubator Thermometer, 75 cts.
- D Regular Incubator Thermometer, 75 cts.

Poultry Punch

A poultry punch for marking baby chicks. Punches a clean hole in the web between the toes, that will not bruise the foot. Guaranteed to work perfectly. 25 cts. each.



Fig. 120

Any number of combinations can be obtained with one of these punches. 35 cts.



Fig. 121

The Norwich Automatic Air-Lock Fountain

The Norwich Automatic Air-Lock Fountain completely solves the problem of supplying fresh, clean water to the birds at all seasons of the year, and all poultrymen will agree with us that there is no more disagreeable task connected with poultry culture or one that is more fraught with worry and care than the question of watering.

The construction of the fountain is such that it is physically and absolutely impossible for the birds to pollute or contaminate the water supply, and the only water exposed is about a half pint in the detachable drinking cup which, as consumed by the birds, is automatically replenished. Held in vacuum the water supply is always fresh and is delivered to the cup only as required.

Price, \$6.00.

Patented March 11, 1913.



Fig. 122

Keystone Bottom Filled Fount



Fig. 123

We think this is one of the very best bottom filled fountains on the market. Has a patented device so that the bottom can be hinged back by unfastening the hook. Can be cleaned, filled, hooked back and also hung up or set on the floor to be used for drinking. Comes in four sizes.

1 quart.....	\$0.60
2 quart.....	.80
4 quart.....	1.05
8 quart.....	1.50

Junior Chick Feeder



Fig. 124
Price, each 25 cts.

Celluloid Bands

5 sizes—No. 5 Baby Chick, No. 3 Leg-horns, No. 2 R. I. Red Rocks, No. 1 Turkeys, etc.

Black—White—Pink—Red—Yellow.

	Doz.	100	1,000
No. 1.....	\$0.15	\$0.75	\$6.00
No. 2.....	.15	.75	6.00
No. 3.....	.15	.60	5.00
No. 5.....	.15	.50	4.50



Fig. 125

CHAMPION LEG BAND



Fig. 126

Very light weight. Per 100 75 cts., doz. 15 cts. Numbered 1—100.

The Putnam Stove



Fig. 127

This little stove, 9x4 inches, works wonders in cold weather. Keeps water warm in the poultry house in the coldest weather. In order to have eggs in the winter time, hens must have plenty of water. They will not drink as much cold water as warm. Costs only from 20 to 30 cents to operate during the winter. Stove \$2.50.

EVERYBODY KNOWS ROSS' SEED GROWS

The "Master Breeders" Chick Box

The Best Seller. Both body and top are made of double faced corrugated board, water-proofed on the outside. The strength of this package is approved by shippers as well as parcel post and express authorities. Represents the best quality of material and workmanship obtainable.

The box is well ventilated—built to offset acute weather changes. Partition boards on both 50 and 100 chick sizes are made full height to add greater strength to the box and to prevent chicks from crowding over the top, becoming squeezed and injured. Holes punched in partition boards will give cross ventilation if desired. Covers are attractively printed "Baby Chicks."

No. S25—25 chick size, 9x11x5½ deep, one compartment, weight 12 lbs. per doz. bundle. Per doz. \$2.00, each 25 cts.

No. S50—50 chick size, 18x11x5½ deep, two compartments, weight 16 lbs. per doz. bundle. Per doz. \$3.00, each 30 cts.

No. S100—100 chick size, 18x22x5½ deep, four compartments, weight 30 lbs. per doz. bundle. Per doz. \$3.50, each 35 cts.

Furnished complete with staples—for assembling. Can also furnish without staples. Please order standard bundles of one dozen of a size.



Fig. 128

Hatchanegg Box

The merits of Anderson "Hatchanegg" boxes can be summed up in nine points taken from a letter recently dictated to one of our customers:

1. Large cell for hatching eggs.
2. Excelsior cushion.
3. Double wall corrugated on all sides.
4. Protection of division boards.
5. Great strength of container.
6. Convenience.
7. Easy and quick pack.
8. Attractive package.
9. Can be sealed to prevent pilferage.

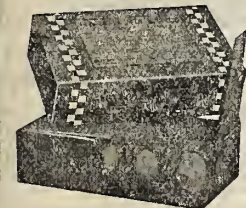


Fig. 129

The same grade double faced, light weight, strong water-proof finish, corrugated fibre board used in the "Master Breeders" Chick Boxes goes into this package. The walls are double thickness throughout. The cellular construction not only protects the eggs from jar but guards them against excessive heat or cold.

No. 3. 15 Egg, 18 lbs., per doz. \$3.50, each 35 cts.

No. 4. 30 Egg, 28 lbs., per doz. 4.65, each 40 cts.

Erie Egg Box



Fig. 130

Made in two sizes for shipping eggs for hatching. Box is already to put the eggs in and insert the handle. Eggs should be wrapped with soft tissue with same material for cushion at the bottom for eggs to rest on. Can be sent by mail or express. Will stand a dead weight of over ½ ton. Use them once and you will always use them.

No. 1. Holds 15 eggs. Weight 10 lbs. Per doz. \$5.50

No. 2. Holds 30 eggs. Weight 19 lbs. Per doz. 6.25



X-Ray Egg Tester.....\$0.40

Poultry Killing Knife



Fig. 132

Price, each, \$0.50

Cyphers Center Lamp Portable Hover

A hover is an artificial mother hen. Its purpose is to perform the duties of a mother hen toward the chicks so far as hovering is concerned.

Baby chicks spend the day running out and in under the hover to scratch for food and get warm when chilly. This gives them plenty of fresh air, so almost any hover that is warm enough will do for day service. But when night comes the chicks instinctively nestle under the hover—just as they would under the mother hen—trusting its artificial heat to see them safely through.

If the hover is a good one, every chick will sleep comfortably during the night and come out healthy and hungry in the morning. The result will be a robust, vigorous brood, with no deaths except through accident.

The greatest loss in the poultry business is in the raising of baby chicks. When selecting a hover, therefore, the buyer should make sure that the device he decides upon is constructed along scientific lines and contains the qualities necessary to success.

These you will find in a Cyphers Center Lamp Portable Hover.

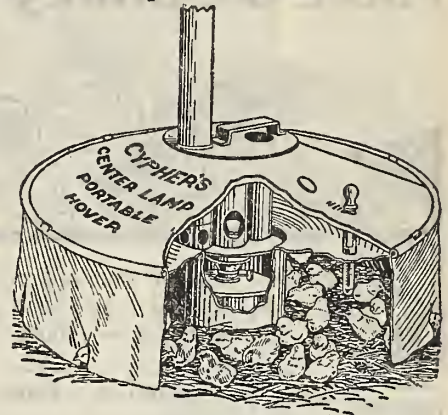


Fig. 133

Price, each\$15.00

Chip Egg Boxes

(3x4)

Handy for Retail Trade

Dozen\$0.15
Bundle of 125..... 1.10
Per 1,000 8.00



Fig. 134

Aluminized Metal Egg Crates

FOR PARCEL POST

has proven itself by constant users to be the most practical ideal for shipping Eggs, butter and other farm products by parcel post.

It is practically egg-break-proof.

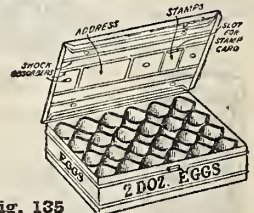


Fig. 135

Reversible Address Card

placed under the lid provides for going and returning addresses, making the Crate intermailable between two parties. This eliminates readdressing for each shipment. Stamp slips are also provided, so that shipper may pay and place postage for the return mailing.

Postage is no more than for other Egg Carriers.

Quantity	Weight	Price
1½ dozen size—all eggs,	3 pounds.....	\$1.25
2 dozen size—all eggs,	3 pounds.....	1.50
3 dozen size—all eggs,	4 pounds.....	1.75
4 dozen size—all eggs,	5 pounds.....	2.00
6 dozen size—all eggs,	6 pounds.....	2.50
9 dozen size—all eggs,	8 pounds.....	3.25
12 dozen size—all eggs,	10 pounds.....	4.00

Price on combination butter and egg crates quoted on application.

Have a Conkey Corner in Your Poultry House



We sell Conkey's Poultry and Stock Remedies because we know they are reliable and we can guarantee them as follows:
 Your money refunded cheerfully if any Conkey remedy does not satisfy.



Conkey's Roup Remedy

When Roup breaks out there's not time to experiment—start treatment at once—the disease is very contagious. Cold, rainy weather and changeable conditions intensify Roup. When birds sneeze, froth in eyes, or run at nose, put Conkey's Roup Remedy in the drinking water. Sick birds doctor themselves and others are protected from catching the disease. Better still, always at the first sign of "roupy weather," place Conkey's Roup Remedy in fountain's—it's a great preventive.

Prices—Pkgs. 30c, 60c, \$1.25; or 35c, 65c, \$1.30 postpaid; 1½ lb. can \$2.50 postpaid; breeder size (5 lb. can) \$5.75 postpaid.



Conkey's Roup Pills

For treating individual cases and for use at shows when birds develop colds. These pills have saved many a valuable bird.

Prices—Pkgs. 30c, 60c, \$1.20; or 35c, 65c, \$1.30 postpaid; breeder size (1,000 pills), \$3.00; or \$3.10 postpaid.

Conkey's White Diarrhea Remedy

Once you have used this old reliable preparation you will never be without it. As a preventive of bowel troubles, White Diarrhea and other digestive complaints, it has given great satisfaction for many years.

This remedy is also recommended as a preventive measure and in treatment of coccidiosis, a diarrhetic condition which attacks chicks similarly to White Diarrhea, but which differs from White Diarrhea in that a principal symptom is bloody droppings rather than white.

PRICES—30c, 60c, \$1.20; or 35c, 65c, \$1.30 postpaid. Breeder size (1,200 Tablets), \$4.00; or \$4.10 postpaid.



Conkey's Cholera Remedy

So-called Cholera, bowel troubles, indigestion, diarrhea and kindred ailments often kill a whole flock in a few days. Diarrhea, a drowsy, listless appearance and great thirst—these are the signals to put Conkey's Cholera Remedy in the drinking water.

PRICES—Pkgs. 25c, 50c, \$1.00; or 30c, 55c, \$1.10 postpaid; breeder size (5 lbs.) \$2.50; or \$2.65 postpaid.



Conkey's Yeast-Codoil—Yeast with Cod Liver Oil

A new Conkey product made to supply vitamins A, B and D which are essential to the life of poultry and live stock. The Conkey process seals the cod liver on the yeast so that the potency of the cod liver oil is preserved. Conkey's Yeast-Codoil should be added to every feeding ration, whether for poultry or stock.

Poultry is especially benefited by Conkey's Yeast-Codoil. Present extreme methods employed to increase egg production and force breeding stock robs poultry of vitamins which this product restores.

PRICES—Pkgs. 1 lb., \$1.50; 2 lbs., \$2.75; 5 lbs., \$6.25.

Conkey's Limberneck Remedy

For limberneck (or ptomaine poisoning) this remedy should be on hand in your Conkey Corner at all times as Limberneck must be treated promptly.

Price—Pkg. 50c; or 55c postpaid.

Conkey's Poultry Worm Remedy

Rids birds of many troublesome worms.
 25c, 50c; 30c, 55c postpaid; breeder size (5 lbs.) \$2.75; \$2.85 postpaid.



Conkey's Canker and Bronchitis Remedy

This splendid remedy checks cankerous growths and sores and soon restores the bird to normal. This remedy is Conkey's Specific for bronchitis. Also desirable in treating individual cases of Roup and for use at shows for colds.

Package, 50c; or 55c postpaid.

Conkey's Lice Powder

For dusting hens, nests, growing chicks—wherever body lice must be overcome.

Prices—Pkgs. 20c, 35c, 75c; pails 12 lbs. \$2.60; 25 lbs. \$5.00. Parcel post, express or freight extra.

THE ORIGINAL Conkey's Buttermilk Starting Feed Raises Husky Chicks

GUARANTEED ANALYSIS

Crude Protein, 12%; Crude Fibre, 4%; Crude Fat, 3%; Nitrogen Free Extract, 56%; Carbohydrates, 60%.

INGREDIENTS

Semi-Solid Buttermilk, pinhead oatmeal, a special wheat middlings, whole corn meal, corn feed meal and granulated bone.



This superior chick mash was the first commercial poultry feed containing buttermilk—that is why we call it the original BUTTERMILK starting feed.

Conkey's did not "just happen"—it is a scientifically balanced feed, as clean and wholesome and as conscientiously prepared as "infant food." Selected, plump grains, ground to proper fineness, are combined with other ingredients so as to make the feed readily digestible, palatable and nutritious. TASTE it, SMELL it, that's the way to judge a chick feed.

Conkey's carries buttermilk in just the right proportion as an aid in prevention of bowel troubles, White Diarrhea, "leg weakness," etc. The buttermilk is semi-solid buttermilk, blended with the other ingredients by the ORIGINAL process in such a way as to preserve the appetizing, tonic, and other properties of the newly churned product.

The moisture in the buttermilk is drawn off by the exclusive Conkey process in such a way as not to subject it to the terrific heat usually required in "drying" buttermilk.

Lactic acid in buttermilk is described as an "Intestinal Broom" which sweeps away unfriendly bacteria and disease germs in the delicate digestive tract. Buttermilk is also rich in one of the vitamins necessary to growing birds. It is a wonderful appetizer, aid to digestion and flesh builder.

FUL-O-PEP

POULTRY FEEDS

FUL-O-PEP
EGG MASH



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U. S. A.

FUL-O-PEP
SCRATCH GRAINS



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U. S. A.

If you raise Poultry for pleasure or profit, feed Ful-O-Pep Feed the Ful-O-Pep way for the best results. The Quaker Oats Company in three generations of experience in manufacturing oatmeal found that no grain or grain product equaled oatmeal in growth-making properties. Science taught that with oatmeal as the base, together with corn and wheat products which they also produced, they already had the principal elements of our new ration—it only remained to find the substitutes for those food elements which make the hens lay so much more freely in April.

Ful-O-Pep Chick Starter is the feed to use during the critical baby chick age. For the first few days the chick is largely sustained by the yolk it absorbed while in the shell. This Starter is mild, soft and easily assimilated—just the feed to carry on and strengthen nature's process. It has the materials for making bone, tissue and feathers, as well as for developing digestive capacity.

FUL-O-PEP GROWING MASH

Its base is Oatmeal, which every poultryman knows cannot be equaled for growth production. To this greatest single development food there has been added special quality Meat Scrap, Fish Scrap, Bone Meal, Alfalfa Meal, Corn and Wheat Products—supplying all the elements for a perfect growing feed.

It is a matter of common comment that a large percentage of prize winners in poultry shows and many egg laying contests in recent years are Ful-O-Pep birds, raised the Ful-O-Pep Way. Ful-O-Pep Growing Mash makes them quickly develop big, sound frames, well fleshed, with glossy feathers, showing happy, healthy, vigorous condition, insuring future heavy production.

Ful-O-Pep Fine Chick Feed is a combination of Oatmeal, Wheat and Corn in exactly the right proportion when fed with Ful-O-Pep Chick Starter

to meet the requirements of the growing chick. This feed is ground fine enough so that it does not overtax the digestive machinery of the little chick.

Ful-O-Pep Coarse Chick Feed is coarser than Ful-O-Pep Fine Chick Feed, made from just the right assortment of grains to supplement Ful-O-Pep Growing Mash. As the chicks grow older they require a coarser grain feed. Ful-O-Pep Coarse Chick Feed is the next step after Ful-O-Pep Fine Chick Feed in the Ful-O-Pep Way.

Feeding **Ful-O-Pep Egg Mash** is the way to get your hens to eat the most food. It is very finely ground and quickly digestible, readily converted into eggs. Keep the Mash before the hens in Ful-O-Pep Self-Feeders all the time.

FUL-O-PEP SCRATCH GRAINS

In the manufacture of **Ful-O-Pep Scratch Grains**, every ingredient that it contains is put into it for a definite purpose. This feed is a part of the Ful-O-Pep feeding program. It should be fed in connection with Ful-O-Pep Dry Mash. Don't make the mistake of using any other scratch feed. The Ful-O-Pep Way provides for ALL the various Ful-O-Pep Feeds—each feed is necessary for best results. Follow the Ful-O-Pep program to the letter and you will become a Ful-O-Pep "fan."

FUL-O-PEP
CHICK STARTER



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U. S. A.

FUL-O-PEP
FINE
CHICK FEED



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U. S. A.

FUL-O-PEP
COARSE
CHICK FEED



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U. S. A.

FUL-O-PEP
GROWING MASH



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U. S. A.

FUL-O-PEP
FATTENING FEED



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U. S. A.



Pratts Poultry Regulator and Remedies Buttermilk Baby Chick Food

For Health and Eggs



Pratts Poultry Regulator

has no equal. It is the world's original poultry regulator and has been the standard for over 50 years. It is a natural tonic supplying numerous health necessities required by heavy laying hens. Tones up system, regulates bowels, aids digestion, sharpens appetite, wards off disease and increases vitality. Use it the year round for breeders, layers and growing stock.

25 cts., 50 cts., \$1.40 packages; 12-lb. pail, \$1.65; 25-lb. pail, \$3.00; 100-lb. drum, \$10.00.



Pratts Powdered Lice Killer

is powerful, economical, non-poisonous and non-irritating. For use on poultry, in dust-baths, nests, etc. Rids poultry of all ages, dogs, cats, horses, cattle, hogs and sheep of lice, ticks and other insect pests. Can also be used on vines, plants and flowers.

In sifter top cans at 25 cts. and 50 cts.

Prices subject to change without notice.

When baby chicks come, keep them healthy and growing and bring even the weak ones along by feeding

Pratts Buttermilk Baby Chick Food

A largely predigested baby food for baby chicks. Guaranteed to raise every livable chick. Helps to prevent leg weakness, white diarrhea, "pasting up" and other chick diseases.

The cost per chick for three weeks is about one cent. If by using Pratts Baby Chick Food you can save five more chicks out of one hundred than you formerly did, considering these five chicks at three weeks of age as worth at least one dollar, your food has cost you nothing and you have five more husky chicks.



Pratts Roup Tablets (or Powder)

Use it as a treatment or a preventive. A simple, powerful remedy with a long record of success in the treatment of colds, roup, diphtheria, catarrh, etc. Guaranteed to give satisfaction or your money back.

25 cts. and 50 cts. packages

Pratts Poultry Disinfectant

insures poultry health. It is a cheap, powerful, non-poisonous disinfectant. Spray it about poultry houses, roosts, dropping boards, nests and wherever a strong disinfectant is needed. A deodorizer, germicide and liquid lice killer. Effective in the treatment of roup, cold and contagious diseases.

Quart 55 cts.; half gallon 95 cts.; gallon \$1.50

Poultry and Chick Feed

The object of scientific feeding of poultry and chicks is to start the chicks right and then follow up this course till the fowl produce eggs, and then to keep them at it.

Chicks when first hatched should have nothing but Grit and pure water for 36 to 48 hours, and after that the very best thing is finely chopped boiled eggs, or the sterile eggs from the incubator. Then after that coarsed Grains can be fed. Conkey's Buttermilk Starting Food one of the best.

WYANDOTTE DAIRYMAN'S CLEANER. An absolute necessity in every dairy. A powder, easy to use, and recommended by everyone that ever tried it. Price: 5-lb. bag 45 cts., 80-lb. keg \$5.33, 280-lb. barrel \$15.15.

KOW KARE. Prevents and cures abortion and barrenness. Increases the flow of milk. It is for cows only. 65 cts., weight 2 lbs.; \$1.25, weight 4 lbs.

COW RELIEF. Cures caked bags and sore teats. Should be in every stable. 50 cts and \$1.00.

CALF CORDIAL. Sure cure for scours and other similar complaints. 75 cts.

SHREDDED ALFALFA. This is one of the best foods for all kinds of poultry yard hogs. It is alfalfa pure as can be had, finely ground, and should be mixed with other kinds of feed, and being very light, it makes a very nutritive food and is also an egg-producer. 100 lbs. \$3.00.

PIGEON FOOD. A mixture of Kaffir corn, wheat, etc. 10 lbs. 60 cts., 100 lbs. \$5.00.

OLD FASHIONED BEEF SCRAPS. Very high in protein (per 100 lbs.) \$3.75.

GRANULATED BONE. Fresh cracked bone, without any meat; will keep for any length of time. Should always be kept in a box where the hens can get to it. 100 lbs. \$4.50.

FINE CRACKED BONE. For small chicks; made from best selected white bones, finely cracked and screened. 8 lbs. 60 cts., 50 lbs. \$2.60, 100 lbs. \$5.00.

CRUSHED OYSTER SHELL. For poultry or chicks. 100 lbs. \$1.50.

POULTRY GRIT. Cracked in three sizes. No. 2 for poultry; No. 3 for pigeons, No. 4 for small chicks. 100 lbs. \$1.25.

LAMBERT'S DEATH TO LICE. As its name implies, it is sure death to lice on hens and chickens. It is harmless to human and animal life. Should be used on setting hens; it will not injure the eggs or harm the youngest chick. 15-oz. size 25 cts., 48-oz. size 50 cts., 100-oz. size \$1.00.

GOLD LEAF TOBACCO POWDER FOR POULTRY WORMS. How round worms effect poultry. Owners of poultry often do not realize the injury which may be done to their flocks by attacks of intestinal worms. The failure of young birds to develop properly, and an unhealthy condition of the older birds, is often caused by the presence in their intestines of poultry round worms. 2 pounds. Mix with 100 lbs. of mash.....\$0.35
10 pounds. Mix with 500 lbs. of mash..... 1.00

KAFFIR CORN. A good food for hens, chickens or pigeons. Market price.

DRY GROUND FISH. For poultry. This is a great egg-producer, and takes the place of beef scraps. 100 lbs. \$5.00.

Wyandotte Egg Preservative

Enjoy summer prices of eggs in winter. A harmless preparation in granulated form, easy to handle and economical to use. Will keep eggs 2 to 3 years in as good condition as when packed if directions are followed carefully. One quart will make four gallons of solution. Price, 25 cents., shipping weight 2 1/2 lbs.

Water Glass

A transparent liquid for preserving eggs. Comes in pints, quarts and gallons. Pint can mixed with 11 pints of boiled water will preserve from 6 to 10 dozen eggs.

This preparation is used by many in preference to the dry powder. The preservative will preserve eggs perfectly. Price, 1 pt. 20 cts., 1 qt. 30 cts., 1 gal. 85 cts.

EVERYBODY KNOWS ROSS' SEED GROWS

DR. HESS Poultry and Stock Preparations

Prescriptions of Dr. Hess (M.D., D.V.S.)

Dr. Hess Poultry Pan-a-ce-a

makes poultry healthy; makes hens lay; not a stimulant, but a tonic, that tones up the dormant egg organs, brings back the scratch and cackle, and compels each hen to put her share of eggs in the market basket.

It also contains internal antiseptics that counteract disease; insures a healthy, singing poultry flock. Cost but a trifle—a penny's worth enough for 30 hens per day. 1½ lbs. 25c, 5 lbs. 75c, 12 lbs. \$1.50, 25-lb. pail \$3.00.

Guaranteed



Dr. Hess Stock Tonic

Formula printed on every package

Every ingredient indorsed by the U. S. Dispensatory and other high medical authorities. It aids digestion, makes stock healthy, and expels worms. Helps stock convert more ration into milk, flesh, blood and muscle. Every pound backed by the Dr. Hess & Clark unqualified guarantee.



This 25lb. Pail, \$2.25

Dr. Hess Roup Remedy

For Roup, Diphtheria, Chicken Pox and all catarrhal diseases. It has these distinctive features: it is antiseptic, slightly astringent, non-irritating and healing. 4-oz. cans 25 cts, 10-oz. cans 50 cts. Guaranteed.



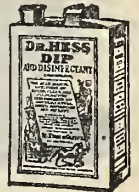
Instant Louse Killer

Kills lice on poultry, horses, cattle; sheep ticks; bugs on cucumber, squash and melon vines; cabbage worms; slugs on rose bushes, etc. Sold in sifting-top cans—look for the word "Instant" before buying. Price 25c and 50c. Guaranteed.



Dr. Hess Dip and Disinfectant

Non-poisonous and non-irritating and guaranteed to be absolutely uniform in strength at all times. One gallon of Dip makes from 70 to 100 gallons effective solution. Spray it on roosts. Sprinkle it over the runs and in all cracks and crevices. Spray it on cattle and horses. Makes a splendid dip for hogs and sheep. It's a sure parasite and disease germ destroyer. Purifies stables, troughs, sinks, drains. Price 60c, \$1.75. Guaranteed.



Dr. Hess Healing Powder

The modern gall cure. Cures galls, cuts, wounds, ulcers, grease heel. Antiseptic and soothing. Heals everything it touches by forming a coating, cleaning and closing up wounds. Comes in sifting-top cans. Price, 4-oz. 25 cts., 10-oz. 50 cts. Absolutely Guaranteed.

Stormtight

FOR USE ON ANY ROOF IN ANY WEATHER

WHAT STORMTIGHT IS

Stormtight is the National Roof Protector. Stormtight will make any roof leak-proof. It is entirely different from the ordinary paints and compounds on the market. It is thick and elastic and therefore lasts for years.

Stormtight provides a one-piece coating over felt, composition, paper and metal roofs, which makes them water-proof and leak-proof. It is manufactured in black, maroon, light red and green. Anyone can apply Stormtight. It is just poured and brushed flat. Once applied, Stormtight needs no re-treatment.

WHAT STORMTIGHT DOES

Stormtight will stop leaks and keep roofs water-proof for years. Roof paints form a thin film which dries out, cracks and permits leaks. Stormtight forms a heavy film which does not dry out, does not crack, does not leak.

WHY STORMTIGHT PROTECTS

Stormtight is not affected by heat, cold, rain or snow. It will not run, sag or dry out and crack. It remains elastic, expands and contracts and is impervious because of its special water and weather resisting ingredients. Stormtight can be applied in any weather.



"Just Pour it on, and Brush It Flat"

STORMTIGHT—LIQUID

		Black	Maroon	Red & Green
		Per gal.	Per gal.	Per gal.
Drums,	64 gals.....	\$1.50	\$2.00	\$3.00
Drums,	38 gals.....	1.60	2.10	3.10
Drums,	10 gals.....	1.80	2.30	3.30
Cans,	5 gals. (2 per case) ...	1.90	2.40	3.40
Cans,	1 gal. (6 per case) ...	2.00	2.50	3.50

STORMTIGHT—PLASTIC

		Black	Maroon	Red & Green
		Per lb.	Per lb.	Per lb.
Drums,	600 lbs.....	\$0.15	\$0.20	\$0.30
Drums,	375 lbs.....	.16	.21	.31
Drums,	100 lbs.....	.18	.23	.33
Buckets,	50 lbs.....	.19	.24	.34
Buckets,	25 lbs.....	.20	.25	.35
Cans,	10 lbs. (6 to case) ...	.21	.26	.36
Cans,	5 lbs. (12 to case) ...	.22	.27	.37
Cans,	1 lb. (24 to case) ...	.25	.30	.40



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Galvanized Poultry Netting

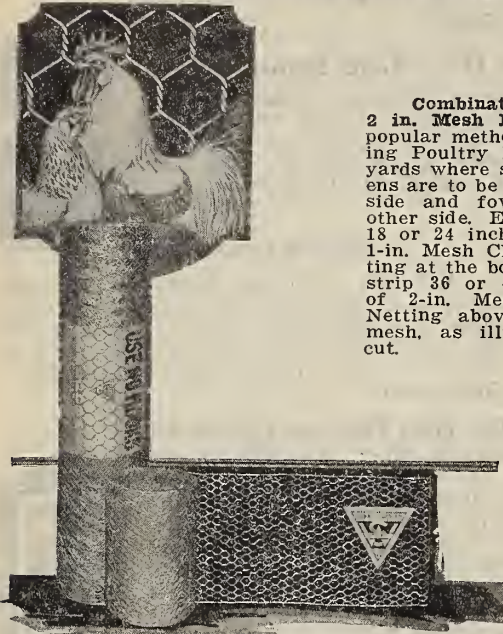


Fig. 136

Combination 1 in. and 2 in. Mesh Netting. A popular method of erecting Poultry Netting for yards where small chickens are to be kept on one side and fowls on the other side. Erect a strip 18 or 24 inches wide of 1-in. Mesh Chicken Netting at the bottom and a strip 36 or 48 in. wide of 2-in. Mesh Poultry Netting above the finer mesh, as illustrated in cut.

PRICE FOR ROLL OF 150 RUNNING FEET

No. 19 Gauge Wire		No. 20 Gauge Wire			
1	ft. 2 in. mesh.....	\$1.60	1	ft. 2 in. mesh.....	\$1.30
1½	ft. 2 in. mesh.....	2.25	1½	ft. 2 in. mesh.....	1.90
2	ft. 2 in. mesh.....	2.90	2	ft. 2 in. mesh.....	2.50
2½	ft. 2 in. mesh.....	3.40	2½	ft. 2 in. mesh.....	3.00
3	ft. 2 in. mesh.....	3.90	3	ft. 2 in. mesh.....	3.50
4	ft. 2 in. mesh.....	5.25	4	ft. 2 in. mesh.....	4.50
5	ft. 2 in. mesh.....	6.50	5	ft. 2 in. mesh.....	5.65
6	ft. 2 in. mesh.....	7.60	6	ft. 2 in. mesh.....	6.75
1	ft. 1 in. mesh.....	3.95	1	ft. 1 in. mesh.....	3.15
1½	ft. 1 in. mesh.....	5.65	1½	ft. 1 in. mesh.....	4.50
2	ft. 1 in. mesh.....	7.25	2	ft. 1 in. mesh.....	5.70
2½	ft. 1 in. mesh.....	8.50	2½	ft. 1 in. mesh.....	6.75
3	ft. 1 in. mesh.....	9.75	3	ft. 1 in. mesh.....	7.60



As Certain-teed goes up, roofing costs come down. Certain-teed costs less to buy and less to lay than any other type of good roofing. It reduces roof maintenance to practically nothing.

Certain-teed reduces labor costs, because it is easily and quickly laid. It reduces roof renewals, because it is proof against most forms of attack which shorten the life of other types of roofing. It is spark-proof and fire-resisting.

Certain-teed Roofing is guaranteed 5, 10 or 15 years, according to thickness. You will save money when you buy Certain-teed. See us before you buy.

1	Ply Light	\$2.15	per roll
2	Ply Medium	2.75	per roll
3	Ply Heavy	3.40	per roll

Guard Roofing

1	Ply Light	\$1.65	per square
2	Ply Medium	2.00	per square
3	Ply Heavy	2.30	per square

Each roll lays 100 square feet and contains nails, cement, etc.

Excelsior Poultry Fence



Fig. 137

Graduated from 1¼ in. to 4 in. for chicks, and also poultry. Made of No. 19 wire.

Height Inches	Number of Horizontal wires	Approximate lbs. per 10-rod roll	Price per roll
48	19	33	\$4.25
60	22	38	4.75
72	25	43	5.25

For light stock fence made of No. 17 wire with No. 14 selvage.

48	19	49	\$5.25
60	22	56	6.00
72	25	67	7.00



Fig. 138

Perfection Flower Bed Border

Fits any shape or size of flowerbed. No posts required. Bottom left straight to be inserted in the ground. Taken up in fall and used from year to year. 22-in. height, 13 cts. per foot.



Fig. 139

The American Fence Tool

The best and most useful all around fence tool. It is a hammer, staple and nail-puller, wire cutter and splicing tongs combined. The tool is drop forged from tool-steel, highly and skillfully tempered. We guarantee each tool. Wt. 3 lbs. Price, \$1.50 ea.

Perfection Trellis

A most attractive and practical flower and vine trellis. Low priced and durable the cost is trifling. 19 in., 10 cts. ft.

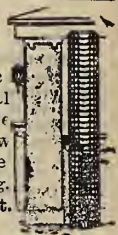


Fig. 140

Single Trellis

Modern Shingles for the Modern Roof

Buildings having sloping roofs covered with Certain-teed Individual Shingles possess added value, both from the standpoints of appearance and utility. These shingles are artistic, economical, waterproof and fire-retardant. They are guaranteed for ten years. There is no waste in laying Certain-teed Shingles. They do not split, chip or crack. Certain-teed Individual Shingles are made of the same materials as Certain-teed Smooth Surfaced Roofing, but are surfaced with red or green crushed mineral. The courses of singles, which are laid three thick on the roof, conform closely in contour to the surface beneath, making a weather-resisting fabric which neither summer's heat, winter's cold, soaking rains or snow, ice or sleet penetrate or injure.

They are 8x12½ inches and are put up four packages to the square. Shipping weight about 245 lbs. Price per M in Red or Green, slate surfaced, \$7.00.

Strips of 4 wide shingles, slate surfaced, Red or Green: price per M, \$6.65.

EVERYBODY KNOWS ROSS' SEED GROWS



Fig. 141

A SUBSTANTIAL FENCE plays an important part to the profitable side of farming, and the neatness in appearance of a well put up wire fence adds more than double the cost of the fence to the price of the farm. They are to the farm in general what paint is to the buildings. **PUT UP FENCES** and let the hogs and other animals go after the waste places and turn into profit what would otherwise go to waste.

Our general purpose farm fence is the 1047x12, and the dimensions contained in the above figures are explained as follows: Figure 10 represents the number of horizontal wires, 47 represents the height in inches, and 12 represents the distance apart of the upright bars. The top bars are No. 9 wire, the bottom bar No. 10, and the intermediate bars and stays No. 11 wire. This makes an ideal up-to-date farm fence, strong enough for any use. It is heavily galvanized and will last for years and is much more sightly than the old ramshackle stone walls or wooden fences. When this fence is used in connection with steel posts, all of the weeds, etc., can be burned right up to the fence, which is another great advantage in keeping the field entirely free from refuse matter.

We have a good stock on hand at all times of the following numbers:

1047x12	10 rods	\$6.75	1047x6	10 rods	\$9.25
845x12	10 rods	5.75	635x12	10 rods	4.60
832x6	10 rods	7.25			

American Steel Fence Posts

Too much cannot be said of the American Steel Fence Post. While the first cost of the steel post and the wood post is practically the same, the steel post can be set in about 5 minutes, while the wood posts takes surely a half hour. With the American Steel Post the fence line can be burned off every year, thus getting rid of insects, weeds and rubbish. The clean farm grows the best and biggest crops and with the least labor and expense.

We carry a good stock, but the following are the best sellers:
 No. 13. 7½ feet. Each.....\$0.85
 No. 16. 6½ feet. Each......70
 Send for complete fence catalogue giving all details.

American Poultry Fence

This fence combines the same features entering into the manufacture of the American Farm Fence, viz: the Hinge Joint, Tension Curve, amply providing for connection and expansion, and its adaptability to uneven ground, without cutting or mutilating the fence.

In comparing the price of this fence with other nettings, don't forget that you are getting a fence as strong as the regular stock fence.

Made of No. 11 and No. 14 wire. This fence is much stronger than any other fence sold as a poultry fence, the Top and Bottom Bars No. 11 Galvanized Steel Wire, Intermediate Bars No. 13 Galvanized Steel Wire. Stay Wires No. 14 Galvanized Steel Wire.

At the bottom are four spaces of 1½ inches each, the higher spaces graduated to 5 inches.

Design No.	No.	Bars	Height	Weight	10 rods
	2158	21	58 in.	129 lbs.	\$8.00
	2053	20	53 in.	122 lbs.	7.50
	1948	19	48 in.	115 lbs.	7.25

Send for special fence catalogue. Estimates on field, farm and lawn fences all put up furnished promptly to those in this vicinity.



Fig. 146

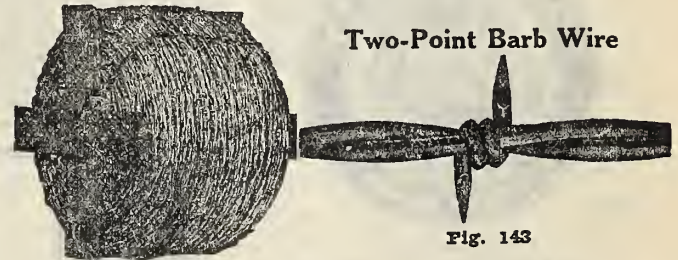


Fig. 143

Two-Point Barb Wire

Fig. 143

Two-Ply Twisted Wire



Fig. 144

Four-Point Lyman Cattle, 80 rod spools, each.....\$5.00
 Two-Point Cattle, 80 rod spools, each..... 4.65
 Two-Ply Twisted Wire, 80 rod spools, each..... 4.50

Ribbon Wire



Fig. 145

Per pound, \$0.09½

Bale Ties




Fig. 147

We carry the 9-ft. No. 15 cross head ties in stock. We find this to be the most popular size, as it makes the most convenient bale of hay.

It is made of large tough wire.
 Per bundle of 250 wires, \$3.25.

ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



*Paints
and also
Disinfects
Dries White*

CARBOLA

The Disinfecting White Paint

THE POWDER OF MANY USES

Carbola is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. Does not flake or peel off. One pound covers 100 sq. ft.

Trial package	\$ 0.30
5 pounds (5 gal.) .....	.75
10 pounds (10 gal.)	1.25
50 pounds (50 gal.)	5.00
200 pound bags	18.00



IN THE CHICKEN HOUSE

To paint and disinfect side walls, ceilings, roosts and brooders. Helps keep the birds free from lice and mites and the buildings clean, light and sanitary. Sprinkle it in the nests and birds. The dry powder is an excellent louse powder.



IN THE BARN

To paint and disinfect side walls, ceilings, stalls, etc., as an aid to cleanliness and prevention of tuberculosis, foot and mouth disease, and other contagious diseases. Spread the dry powder on floor where the cow stands. Use it as a louse powder. Wash hands with powder before milking.



IN THE HOUSE

Carbola applied to walls and ceilings of cellars will kill bad odors, mustiness, prevent cobwebs, disease germs, drive out spiders, ants and other insects. Use the dry powder as cleanser for pots, pans, cutlery and for removing stains from woodwork. Especially recommended in bathroom for cleaning bathtubs, wash basins, tile and for disinfecting the bowl.

Dust Carbola on rose bushes, peas, cabbage, tomato plants, etc., to help get rid of insects and worms. Spray it on trees and tree trunks.

It increases light, sanitation and general appearance in factory buildings. It makes cleaner warehouses. An excellent and economical interior finish for garages.

STIM-U-PLANT

PLANT STIMULANT TABLET

Use it and you will have the largest crops of fruit and vegetables, and an abundance of the largest and sweetest-scented flowers of intense and vivid colors. It is rich in plant food, containing 11 per cent Nitrogen, 12 per cent Phosphoric Acid and 15 per cent Potash, odorless and clean. Compare this analysis with that of other fertilizers.

Not to be thrown broadcast, but put at feeder roots of individual plants, trees, shrubs, etc.; there is no waste, you feed the plants that need it. Increases production, brightens color, improves quality. Simply insert a tablet in the soil near each plant (1 foot apart if in rows) once or twice during season. Or, dissolving four tablets per gallon of water is less trouble and gives better results than the objectionable manure water. A proven success with rose growers, nurserymen, landscape gardeners, strawberry growers and gardeners. Complete directions with every package. Price, postpaid: 30 tablets, 25c; 100 size, 75c; 1,000 tablets, in bucket, \$3.50.

"Old Trusty"



Purveyors to
HIS MAJESTY, THE DOG

ALL TERRIER FOOD

A granulated food of even balance, carefully mixed, not medicated or sweetened. Relished by dogs of all breeds.

100 lbs., \$9.25; 50 lbs., \$4.65; 25 lbs., \$2.50; 10 lbs., \$1.25.

"TOP NOTCH"

A coarse granulated food for large breeds. It has met with great success in many of the Hunt Clubs and sporting dog kennels.

100 lbs., \$9.25; 50 lbs., \$4.65; 25 lbs., \$2.50; 10 lbs., \$1.25.

"TIT BITS"

A granulated food of the very highest order, without a doubt the supreme in dog foods. Mixed with "VI-TI" tablets we cannot conceive of a more perfect food for bitches in whelp or dogs off their feed.

100 lbs., \$10.25; 50 lbs., \$5.25; 25 lbs., \$2.75; 10 lbs., \$1.50.

PUPPY MEAL

A fine granulated food, well balanced, not a pasty meal. Mixed with "Old Trusty VI-TI" finer and stronger puppies will result. Vigorous puppies mean less disease.

100 lbs., \$9.25; 50 lbs., \$4.65; 25 lbs., \$2.50; 10 lbs., \$1.25.

DOG CAKES (Whole or Broken)

100 lbs., \$8.25; 50 lbs., \$4.20; 25 lbs., \$2.20; 10 lbs., \$1.10.

PUPPY BISCUIT

100 lbs., \$9.25; 50 lbs., \$4.65; 25 lbs., \$2.50; 10 lbs., \$1.25.

VI-TI

Large tin, \$1.00; small tin, \$0.50.

Prices subject to change without notice.

Hall's Nicotine Fumigator



(Free Nicotine in Powder form.)

10 lb. tins, \$8.50;
2½ lb. tins, \$2.50;
1 lb. tins, \$1.25.

A fumigating powder saturated with Free Nicotine. Rids the greenhouse of plant lice and similar insects. It lights quickly, burns evenly and will not go out. No waste—every particle is consumed.

A measuring dipper comes in each tin. One dipperful produces 7,000 cubic feet of deadly Nicotine fumes. Nine dipperfuls fumigate a 30 by 200 ft. greenhouse for only 75 cents.

Axfixo

The Superior Nicotine Dust

A highly efficient dust used for the control of all aphids, yellow striped cucumber beetle, pear psylla, thrips, leaf-hoppers, apple red bug, bean jassid, mealy bug, squash bug nymph, asparagus beetle, currant worms, and most soft bodied insects.

Axfixo is especially recommended for the control of aphids on potato, turnip, tomato, radish, lettuce, kale, spinach, cabbage, egg-plant, pepper, melon, cucumbers, peas, clover, alfalfa, fruit trees, ornamentals, rose bushes, greenhouse plants, and any other plants or trees which become infested with aphids.

1 lb. (cans)	\$0.35 lb.
5 lbs. (cans) .....	.25 lb.
25 lbs. (cans) .....	.20 lb.
50 lbs. (cans) .....	.18 lb.
100 lbs. (drums) .....	.17 lb.



Fig. 148

Alfalfa Waterproof Belting is woven from selected cotton with a view of obtaining great tensile strength and pliability. It is impregnated with a waterproofing compound that preserves the fabric, increases the strength of the belt and makes it impervious to atmospheric conditions.

Alfalfa Belting is green in color, which makes it distinctive. This green surface treatment is not an oil paint, but a special preparation that combines with the impregnating compound, the purpose of which is to create a smooth gripping surface which develops immediately after the belt is put in service. Consequently the use of belt dressing is unnecessary.

Alfalfa is solid woven. There are no stitches to break and no piles to separate. It is not affected by heat and will not deteriorate with age.

Alfalfa is the ideal inexpensive agricultural and waterproof conveyor belt.

Width	Ply	Price
4 in.	5	\$0.52 per ft.
5 in.	5	.59 per ft.
6 in.	5	.68 per ft.



EVERYBODY KNOWS ROSS' SEED GROWS



International Type M Kerosene Engine 1½, 3 & 6-HORSE POWER

This is the most economical engine that you can buy. At the present price of gasoline, the cost of fuel is one of the most important questions in buying an engine. For that reason the International people have built this to operate with kerosene and in buying, it is well to consider this one important fact, for the fuel consumed is the main item of expense.

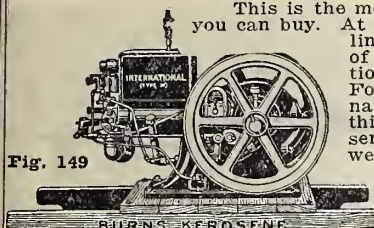


Fig. 149

Here are some of the good points. When taken apart the engine is in ten units or groups of parts, so that any trouble can be easily detected and remedied. The base crank case and cylinder water-jacket are cast in one piece. This means perfect alignment of parts. There are three openings into the crank case that gives access to every part. The crank case can be drained of oil. This means a clean engine. The piston has four rings that hold compression perfectly. The connecting rod has wide, thick bearings. The mixer adjustments are so simple that the engine can be operated by an inexperienced person.

1½ Horse Power, Weight 341 lbs.....	\$ 67.00
3 Horse Power, Weight 494 lbs.....	114.00
6 Horse Power, Weight 869 lbs.....	177.50
10 Horse Power, 5% cash.....	368.00

The Bolens Power Hoe

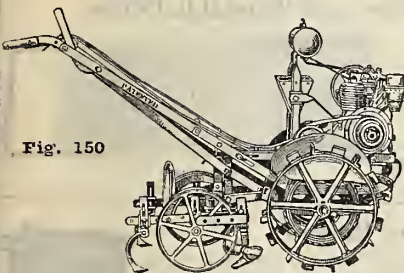


Fig. 150

The Bolens is used by market growers, florists, nurserymen, garden lovers, in fact, all who practice intensive cultivation of row crops.

The Bolens Power Hoe is a radical innovation designed to do with gasoline power the seeding and cultivating. It is a light garden tractor so skillfully designed as to be in fact a motorized wheel hoe. Given a guiding hand

it does the most delicate and exacting work and does it much more rapidly than can be done with hand or push hoes.

Ask for price and special catalogue.

The Improved Kelly-Duplex Grinding Mills

The Product of a Quarter of a Century's Experience in manufacturing Grinding Mills.

A Continuous Record of Superiority.

The Kelly-Duplex is the Best Mill in the World.

BECAUSE it is provided with a double set of grinders or burrs, for which reason it is called the Duplex.

BECAUSE it is the only mill manufactured which has double or duplex grinders.

BECAUSE it has a grinding surface of just double that of any other mill of equal size, and can therefore do twice as much work.

BECAUSE it can do as much work as any other mill of double its size.

BECAUSE it is very economical in the use of power, running much easier than any other mill.

BECAUSE it will grind any kind of grain, cotton seed, ear corn and cob, with or without shucks, velvet beans, pea vine hay, kaffir corn and heads, alfalfa clover hay, etc., equally well, and produce a grist of any desired quality, coarse, medium or fine.

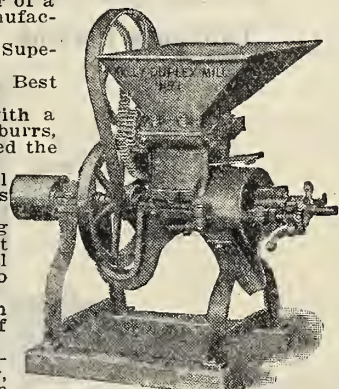


Fig. 151

	Capacity Bu. Per Hr.	Horse Power	Price
No. 1	10 to 20	3 to 6	\$60.00
No. 2	20 to 30	7 to 10	80.00

Freight paid to your station. 5 per cent cash.

McCormick-Deering Mounted Portable Saw Rig

This outfit makes an ideal equipment to use for home work or for going out sawing wood. The engine is mounted on Worcester Farm Truck with steel wheels, fitted with tilting table saw mounted on the rear. The balance wheel on the saw may be taken off for sawing long wood. Each equipment is fitted with 5-in. 4-ply rubber belt and belt tightener and is operated by handle with latch. This prevents belt from slipping. A convenient seat directly in front of the engine with foot rest. Easy to travel on the road. A first-class engine. Can be furnished with any size engine, but 6 H. P. is the usual size for sawing wood and general farm work.

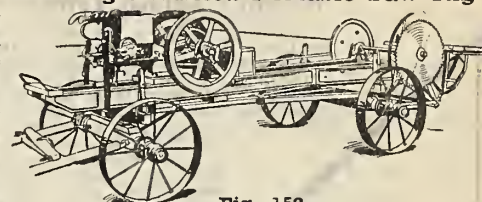


Fig. 152

All complete with 6 Horse Power engine, belt, etc., ready to use, \$335.00. 5% discount for cash.

Ross Tilting Table Wood and Pole Saw

The above will give you an excellent idea of the high type of these saws. They are made of good material throughout and are built in a thoroughly workmanlike manner in every respect. The arbors are of steel, the bearings long and well babbitted. The balance wheels are heavy and well balanced. This machine is finished in an attractive manner. It has a tilting table pivoted so that it balances perfectly, and is therefore a great favorite with the Sawyer. Weight, 275 lbs.

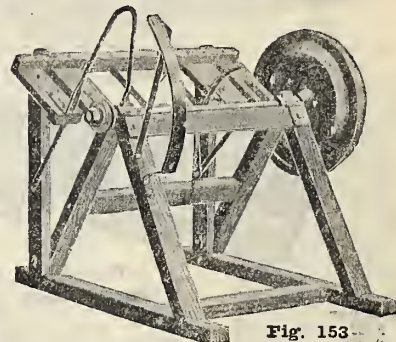


Fig. 153

TILTING TABLE WOOD SAW FRAME with 95 lb. balance wheel and 22 in. saw.....\$31.50
With pole saw attachment with 95 lb. balance wheel, 22 in. saw..... 37.50

(This pole saw attachment is attached underneath the frame so that anybody can easily saw long wood and being out of the way does not interfere with the working of the saw.)

International Feed Grinder

Grinding means saving feed and saving money. You know from your own experience that when feeding whole corn or oats to your stock, a large portion of it passes through the intestinal tract undigested. By experiment this has been found to be from 12 to 26 per cent. That means that 26 out of every 100 bushels of corn and 12 out of every 100 bushels of oats fed to farm animals is wasted. It fills the stomach and satisfies the hunger, but does not nourish them or increase their weight. The above figures are the results of experiments at Government stations and the tests were made on animals with good teeth and otherwise in healthy condition.

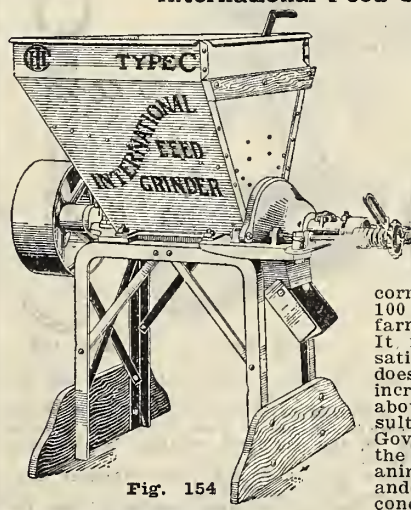
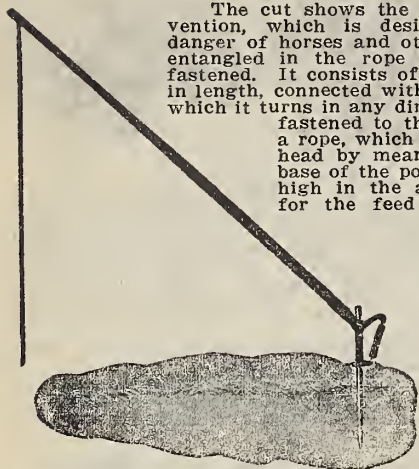


Fig. 154

6 inch No. C Grinder, 175 lbs.....	\$35.50
8 inch No. C Grinder, 250 lbs.....	40.75
Elevator	18.50



Wright's Animal Tether



The cut shows the advantage of this invention, which is designed to obviate the danger of horses and other animals becoming entangled in the rope with which they are fastened. It consists of a pole about ten feet in length, connected with an upright bar, upon which it turns in any direction. The animal is fastened to the end of this pole by a rope, which is kept taut above his head by means of a spring at the base of the pole; this keeps the pole high in the air, until in reaching for the feed the animal pulls it down, thus at all times keeping the rope from under his feet.

Price\$5.50

Fig. 155

Kraut Cutters

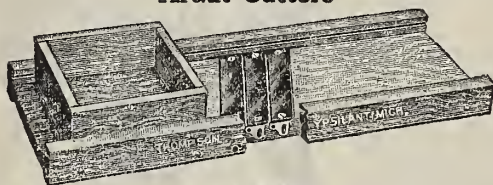


Fig. 156

PRICE LIST

Number	Knives	Size	Each
55E	3	9x28	\$2.50
65E	3	11x30	3.25

Horn Trainers

(Patented October 2, 1906)

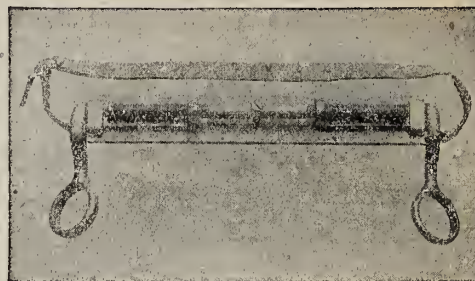


Fig. 160

Symmetrical horns add to the selling value of an animal. By the timely use of a horn trainer a perfect in-curving horn is obtained.

Breeders should keep a set of four sizes on hand, enabling them to fit at any time any animal of the Jersey or Guernsey breeds. If a single pair only is desired, measure the horns from tip to tip and order the smallest size that will bridge the span when fully opened.

No. 1 Closes to 5 3/4 inches.	Opens to 7 3/4 inches.
No. 2 Closes to 7 3/4 inches.	Opens to 9 3/4 inches.
No. 3 Closes to 9 3/4 inches.	Opens to 13 3/4 inches.
No. 4 Closes to 11 3/4 inches.	Opens to 15 3/4 inches.

Sent postage prepaid for \$3.50 for a set of four sizes, or \$2.50 each.

The Rapid Slaw and Vegetable Cutter

There is need of a Rapid Slaw and Vegetable Cutter in every kitchen, every week of the year.



Price\$1.75

Fig. 161

Economy Boilers

No Farmer can afford to be without a farm boiler or large kettle of some kind. The Economy, shown in cut, is the cheapest of any on the market.

For out of door use only, as it has no grate.

Prices: 33 gal., net cash price, \$23.50; 48 gal., net cash price, \$26.50; 65 gal., net cash price, \$33.00. Other sizes furnished if desired.



Fig. 162

Fairbanks Portable Platform Scales

Most practical and Convenient Scale for Many Purposes.



Fig. 163

This type of Portable Platform Scale is one of the most efficient for general use and may be furnished either with or without wheels. It is equipped with arrow-tip single beam having a sliding poise with set-screw, all of brass.

No.	Capacity	Beam	Platform	Price
1124	1,000 lbs.	100x 1/2 lbs.	18x27 in.	\$21.50
1128	600 lbs.	50x 3/4 lbs.	16x25 in.	18.50



No. 2121

Fig. 157



No. 2118 1/2

Fig. 158



No. 26

Fig. 159

No. 2121 Market Scale, 13 in. tin pan, weighs 30 lbs. by 1 oz., 7 in. dial, \$9.75.

No. 1030 Fish Scale (similar to the No. 2121), 15 in. blue and white enamel pan weighs 30 lbs. by 1 oz., 3 in. dial, \$16.00.

No. 2118 1/2 Circular Spring Balance, weighs 30 lbs. by oz., galvanized scoop, \$10.75.

No. 1001 Market Scale, 13 in. round white enamel pan, nickel bows, weighs 30 lbs. by 1 oz., \$14.75.

No. 16 Heavy Straight Spring Balance, weighs 25 lbs. by 1/2 lb., 75 cts. each.

No. 26 Round Spring Balance, weighs 50 lbs. by 1/2 lb., \$2.00.



EVERYBODY KNOWS ROSS' SEED GROWS



McCormick-Deering Ensilage Cutter

"A Safety First" ensilage cutter with a boiler plate fly wheel. This type of boiler plate, wheel is especially strong, insuring safety at all speeds. The feed throats on this machine are high as well as wide, giving the machine a very great capacity, so arranged that the fans blow straight up the pipe.
Extra set of knives packed with each machine. Come regularly equipped, with straight knives, but curved knives can be furnished on special order. Knives and cutter bar instantly removable.
On skids, G, \$268.00; F, \$215.00. 5% discount for cash. Mounted, G, \$295.00; F, \$240.00. 5% discount for cash.

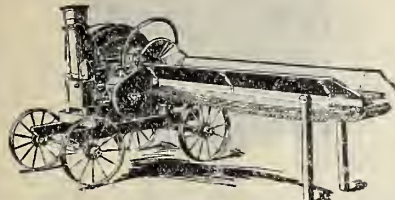


Fig. 164

	Diameter of Fly-wheel	Diameter of Fly-wheel Shaft	Width of Feed Throat	Height of Feed Throat	Length of Cuts	SPEED		Power	Capacity (Same for both cutting and shredding) (Based on 1/2" Cut)	Approx. Weight
						Rev. per Minute				
Type G	36"	1 3/4"	11"	5 1/2"	3/8"-1/2"-3/4"-7/8"	800-900		10-15 H.P. Gaso. or Kerosene	10-12 Tons Per Hour	1,500 lbs.
Type F	30"	1 1/4"	9"	3"	(Two knives) 1"-1 1/8"-3/4" 1 1/2"-1 1/4"-3/8" (Four knives) 1/2"-1 1/8"-3/4"-1/4" 1/2"-3/8"	800-1000		4-6 H.P. Gaso. or Kerosene	3-6 Tons Per Hour	On Truck, 1,150 lbs. On Skids, 925 lbs. These are weights with conveyor, hand feed, about 50 lbs. less

A-M-F SICKLE

PATENTED

The A-M-F Sickle is a most wonderful improvement in mower knives. It has instantly removable "blades" or sections—wedge locked in place until you, yourself, pull the locking key. They are rigidly held and cannot loosen, yet you can remove them with a turn of the wrist and without taking the knife out of the machine.

Save Time When Time Counts

No more delay when you are mowing. No lost time walking back to the barn for a new knife, no riveting up new for broken sections—every day a full day's mowing. You can replace an A-M-F Blade in a jiffy—no excuse to work with a dull knife.

A Sharp Knife Every Morning

You can carry spare "blades" in your toolbox and slip them in the A-M-F Sickle right in the field. You grind the dulled ones at your convenience. Each "blade" sharpened individually and ground to a fine edge from point to heel. Insures better and cleaner cutting.

A-M-F Blades are high-carbon steel, heat treated and oil tempered before sharpening—they hold their edge.

A Better Knife in Many Ways

Truss built and much stronger than ordinary knives. Welded throughout—no rivets to loosen. Steel head—no breakage. Bar runs true and easily; it cannot bend or buckle. Rust proofed by the A-M-F Intraloy Process.

All blades are interchangeable from bar to bar, and machine to machine.

A-M-F Sickles are made for all makes of mowing machines. In ordering A-M-F Sickles always give name of machine you are now using, number of knifehead, and number of cutting sections.

PRICE LIST—A-M-F SICKLE

Length of Sickle.....	4'0"	4'6"	5'0"	6'0"	7'0"
A-M-F Sickle, complete.....	\$3.40	\$3.70	\$4.00	\$4.60	\$5.20
Single Blades .....					.12
Carton of 12 Blades.....					1.20
Keys in 1-dozen lots.....					.12
Wrench .....					.20
Blade Grinding Tool .....					.20

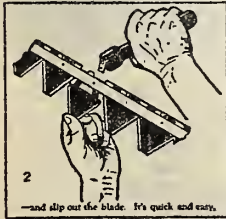


Fig. 165

The Victor Lever Cutter

The best lever cutter made. Knife always up to its place.

Prices, No. 1, \$7.25; No. 2, \$7.50; No. 3, \$10.00; No. 2 1/2, \$8.00.

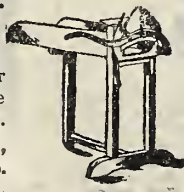


Fig. 166

The Harder Silo

The American dairyman is too well informed to longer doubt that the profit of his business is dependent largely upon the contents of a silo, for he recognizes the fact that in order to make good he must use the returns from his farm.

The Harder Silo stands in a class by itself and is the only one recommended by the state and dairy authorities the country over. The rigid, strong door frame not only adds to the stability of the silo, but affords absolutely tight doors, which is necessary for all silage, and a continuous ladder. This ladder feature is a valuable addition to the Harder Silo and is not used in connection with any other. It is safe, strong, rigid and affords ample room for a sure footing. The mill work and general construction of all these silos is perfect. Every stave, no matter whether for an 8-foot or 25-foot silo, is built for that particular silo and has just the correct bevel, with a heavy half-inch tongue and groove. As every piece is marked, there is no trouble whatever in putting up one of these silos.

Send for complete catalogue.

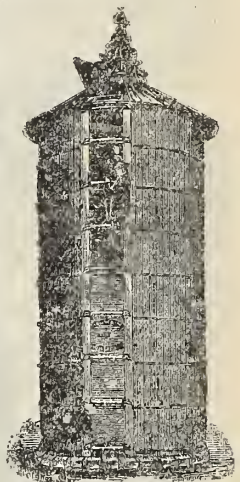


Fig. 167

Blizzard Blowers With Traveling Table

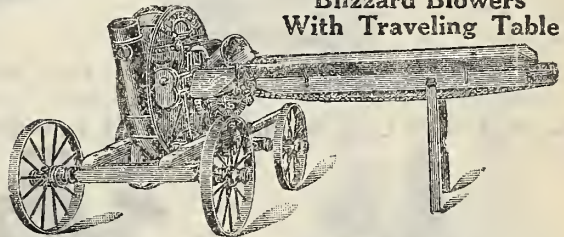


Fig. 168—Wheel Mounted Truck, \$60.00

This illustration shows the latest pattern Blizzard Cutter and Blower with self-feed table. The endless apron is composed of two steel chains on which are riveted hardwood slats. These chains are propelled and travel over sprocket wheels secured to a separate shaft directly in the rear of the lower feed roll. The bearings on this shaft are made adjustable, to take up the wear on the drive. The lower feed roll and the traveling table are driven from the same shaft, each by its own sprocket wheel and chain. This device reduces the strain on the drive chain to a large extent. This machine can be operated successfully with a smaller amount of power than any similar cutter on the market.

Length of Knives	Capacity	Power H.P.	Speed	Weight	Price with 30 ft. Pipe and Angle Deflectors
L18-11 in.	4-6 tons	3 1/2-5	900-1100	700	\$172.00
R211-14 in.	5-8 tons	4-7	800-1050	1100	210.00
S22—Tractor Special, on trucks, equipped with 30 ft. of pipe and deflector					\$325.00

5% Discount for Cash



Hinman Electric Milker

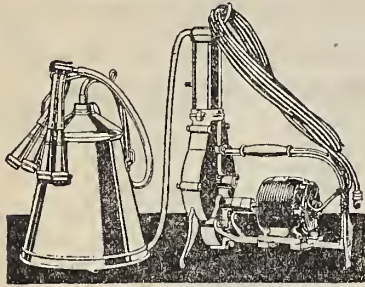


Fig. 169

A complete milking equipment, no installation. Operates from any electric light circuit, either direct or alternating current. It is a light, portable unit, containing all Hinman famous designed pump with relief valve. All moving parts are enclosed and all that is necessary to do is to attach plug, turn on current and milk. Let us give a demonstration.

Price, \$120.00.

Cattle and Horse Salt Feeders



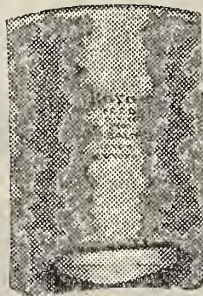
Fig. 170

This method of feeding pure salt to stock has been adopted in the largest stables and grows in favor daily. Salt brick, 25 cts. each; weight, 5 lbs. each; \$2.50 per doz. Salt brick holders, 40 cts. Weight, 3 lbs.

Roto Salt Bricks and Holders

Consists of round container with round salt which automatically feeds down as used.

Salt, 25c each.
Holder, 40c.



Star Automatic Drinking Fountain



Fig. 173

Can be used in connection with either wood or metal stanchions. The drinking cup for the up-to-date stable. These come drilled and threaded for one inch pipe and are furnished with valve controlled by the animal.

Price, \$4.50 each.

Cast Iron Feed Box



Fig. 174

Price, \$2.50. Weight, 31 lbs.

Corner Rack



Fig. 176

Price, cast iron\$3.75
Price, wrought iron 3.00

The Banner Root and Vegetable Cutter

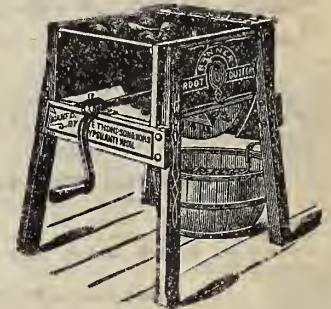


Fig. 177

The "Banner" root cutter contains features found in no other machine. It has a self-feeder; separates the dirt from the cut feed, and leaves the cut food in such condition that the stock cannot choke.

No. 20—For hand power.....\$17.50

The Red Chief Corn Sheller



Fig. 172

A substantial but low priced corn sheller, made of iron, painted red. Can be attached to a barrel or box. Adjustable for large and small ears. Has attachment for shelling pop corn. Price, \$2.75.

Pop Corn attachment, 50c.

Cast Iron Corn Sheller

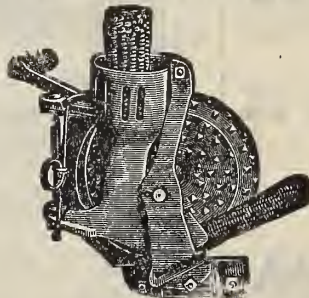


Fig. 175

For convenience and general utility this little corn sheller will be found one of the handiest tools imaginable. It is so simple that there is absolutely nothing about it to get out of order, and so strong that it will not break. Net price, \$2.50. Weight, 15 lbs.



Fig. 178

No. 30—For hand power\$35.00



Fig. 179

No. 7
For
Foultry

Hand power\$7.50



EVERYBODY KNOWS ROSS' SEED GROWS



No. 10 Star Steel Stall

(Unit System)

Equipped with Giant Star Stanchion, Star Curb Clamps, Star Automatic Sure Stop and Star Alignment Device.

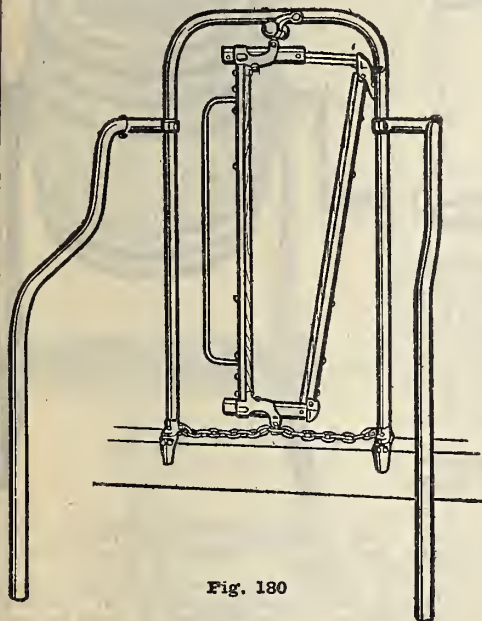


Fig. 180

The Star Alignment Device, with which this stall is equipped, lines the cows up at the gutter. You can't buy cows all the same length, but the eleven-inch adjustment of the stanchion afforded by the Star Alignment Device solves the difficulty.

Price of Stall, \$16.35. For name plate (if desired) add \$1.25.

Star Litter Carriers

Take the Hard Work Out of Chores

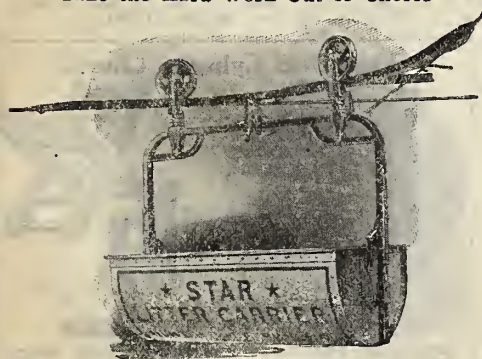


Fig. 181

A Star Litter Carrier will preserve all the fertilizing value of your "pay dirt"—will get it out of the barn where it does harm—ready for the fields where it does good.

One man operating a Star Litter Carrier can clean a barn as quickly as three with the old fashioned wheelbarrow method.

6 Tub Size.....\$54.15

8 Tub Size..... 58.05

Send diagram of barn and without obligation to you we will gladly give you an estimate of a carrier all complete. One of the greatest labor saving devices in the barn.

The Star Steel Stanchion No. 999



Fig. 182

The cut above shows the Star Steel Stanchion which has given the best of satisfaction. Absolutely sanitary, easily hitched and unhitched and very strong.

Price, plain steel, \$4.65.

Flexible Shaft Hand Power Clipper

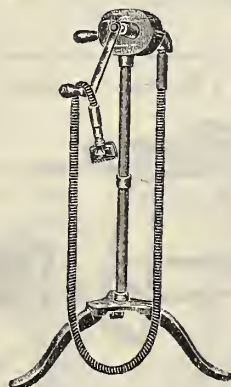


Fig. 183

No stable is complete without one of these outfits for clipping cattle or horses. Inexpensive, easily operated and indispensable on the farm. Insures sanitary conditions of making grade A milk.

Weight, 15 lbs. Price, \$14.00
Top Plate 1.50
Bottom Plate 2.00

Star Feed Truck

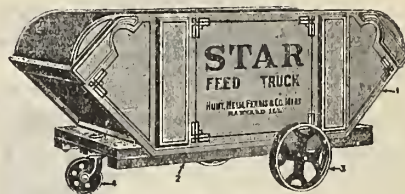


Fig. 184

16 Bushels Capacity.....\$42.60
25 Bushels Capacity..... 52.45

Buckley's Patent Watering Device

For Watering Stock in Stables

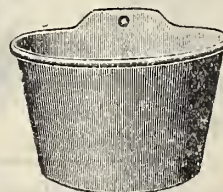


Fig. 185

Water where cattle can get it at any time during the day or night is a necessity in every first-class stable. With the Buckley Basins the water is always there and at the proper temperature.

Not so high price as the Star. Will answer every requirement. Thousands sold Threaded for 1/4-in. pipe.

Price, each, \$2.00; per doz. \$21.60.

Warriner's Patent Chain Cattle Stanchions

These Fasteners are in use in a large number of stables and give universal satisfaction. The cut shows the device; a short chain secures the fastener to the top beam so that it suspends 1 1/2 inches clear of the bottom sill. It is also fastened to the bottom sill by a chain to allow it a free and easy motion and rotation, giving the cattle freedom, yet is securely fastened. It keeps them clean and gives liberty of action. Price, each \$2.50. Doz. lots, \$29.00.



Fig. 186



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Improved De Laval Cream Separators and Clarifiers

FOR BOTH HAND AND POWER

The Standard Separator. A Money Maker for Any Farmer

De Laval Cream Separators are guaranteed to be as represented and to fulfill all the claims made for them being sold subject to the guarantee of their unqualified superiority in every material feature of separator practicability inclusive of the production of a greater value of cream and of a greater quantity of butter of better quality than is possible through the use of any other separator or creaming system.

- No. 7. Capacity 200 lbs. per hr., \$60.00
- No. 8. Capacity 225 lbs. per hr., \$75.00
- No. 10. Capacity 350 lbs., per hr., \$85.00.
- No. 12. Capacity 500 lbs. per hr., \$95.00.
- No. 15. Capacity 750 lbs. per hr., \$115.00.
- No. 17. Capacity 1,000 lbs. per hr., \$130.00.
- No. 22. Capacity 1,350 lbs. per hr., \$225.00.

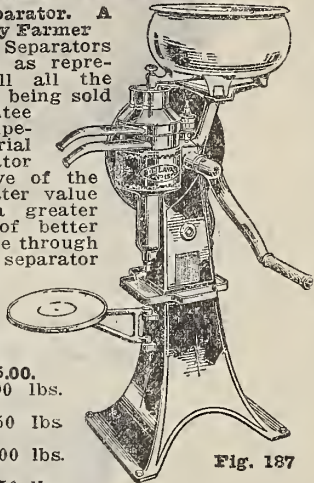


Fig. 187

Send for complete catalogue.

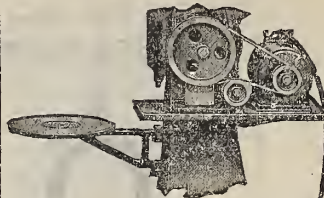


Fig. 190

The above cut shows a motor power attachment which is used in connection with all styles of De Laval separators. With electricity on the farm at the present time, your separator can be changed to power style at a little additional expense. State whether you have direct or alternating current voltage, cycle and phase.

Price, direct current, \$50.00.
Price, alternating current, \$55.00.

The Bell Barrel Churn

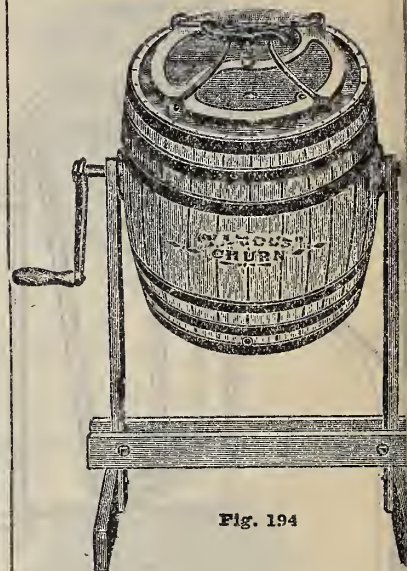


Fig. 194

20th Century Babcock Hand Milk Tester

Complete with glassware

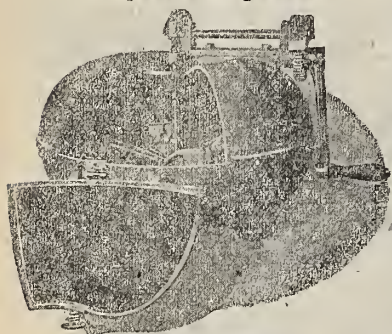
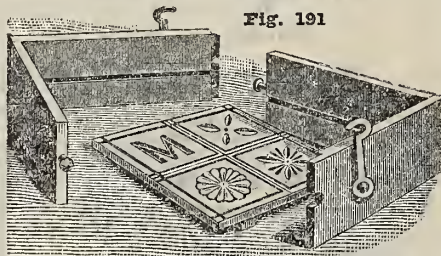


Fig. 188

- 6-bottle \$22.00
- 8-bottle 23.00
- 10-bottle 24.00
- 12-bottle 25.00

Blanchard Butter Mold

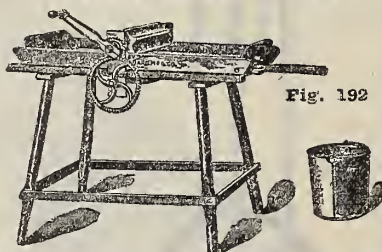
Fig. 191



Initial engraved 25 cts. extra. Wt. 1 lb.
One-half pound \$0.85
One pound 1.00
Two pounds 1.25

Water's Butter Worker

Fig. 192



- No. 0, 1-15 lbs. \$21.50
- No. 1, 5-30 lbs. 22.75
- No. 2, 5-40 lbs. 24.00
- No. 3, 5-50 lbs. 27.00
- No. 4, 10-75 lbs. 30.00

White oak, thoroughly seasoned and kiln dried, having galvanized iron rim in head, making it as strong as a barrel with two solid heads.

No churn works so easily, no churn cleaned more quickly, having no dashers nor paddles. The churning is done by revolving the churn, which agitates the cream and makes the butter separate from the milk.

- 0, 6 gal. will churn 1 to 3 gal. cream. Weight, 27 lbs. Price, \$8.00.
- 1, 10 gal. will churn 1 to 5 gal. cream. Weight, 33 lbs. Price, \$9.00.
- 2, 15 gal. will churn 1 to 7 gal. cream. Weight 38 lbs. Price, \$10.00.
- 3, 20 gal. will churn 2 to 10 gal. cream. Weight, 46 lbs. Price, \$11.00.
- 4, 25 gal. will churn 2 to 12 gal. cream. Weight 73 lbs. Price, \$14.00.
- 5, 35 gal. will churn 3 to 17 gal. cream. Weight, 80 lbs. Price, \$16.00.

Varnished Cylinder Churns

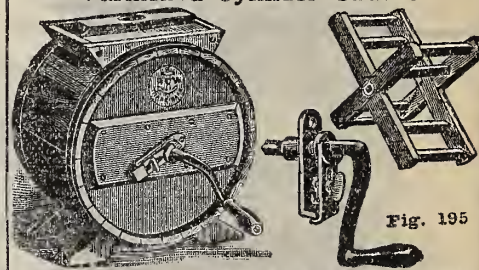


Fig. 195

- Designed for those having a small dairy.
- No. 0, capacity 1 gallon \$3.75
 - No. 1, capacity 2 gallon 4.25
 - No. 2, capacity 4 gallon 4.85
 - No. 3, capacity 6 gallon 5.50
 - No. 4, capacity 8 gallon 6.50

Dairy Scales

Graduated in 1 oz. Weighs 30 lbs. Made especially for dairymen. Has adjustment for taking out weight of pail.

Price, \$7.50. Wt. 4 lbs.



Fig. 189

Flat Wire Bottle Carrier

Fig. 193



New Style and Improvement.
6 1-qt. Bot. Carrier. \$1.75
8 1-qt. 2.25

Wire Bottle Carrier

Fig. 196



- 6 1-qt. Bottle Carrier, \$1.50.
- 4 1-qt. 2 pint Bottle Carrier, \$1.50.
- 4 1-qt. Bottle Carrier, \$1.25.

EVERYBODY KNOWS ROSS' SEED GROWS

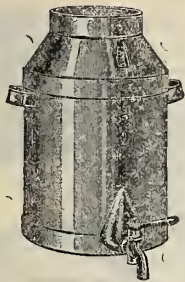


Fig. 197

Heavy Tin Mixing Can with removable strainer hoop and faucet; 6, 8 and 10 can.

	Price
6 can	\$15.50
8 can	16.50
10 can	17.50

Horne Vertical Can Strainer

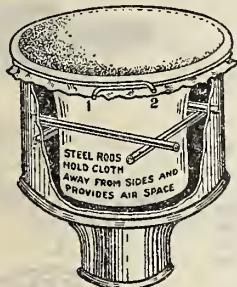


Fig. 198

Is warranted to filter milk through filtering flannel as fast as poured and remove the finest trace of sediment leaving the milk absolutely clean.

Filtering flannel is superior to absorbent cotton when used with the vertical process. Note illustration showing air vents for the free circulation of air. Were it not for the air circulation milk could not be successfully strained through filtering flannel, as a quart of air must escape as fast as a quart of milk is poured.

Price of strainer with double flannel, \$3.00. Price of double flannel, 50 cts.

Milk Bottles

This bottle is a great improvement over any other style of bottle made, from the fact that it has no corner for the dirt to stick in. The bottom inside being made round, it cleans very easily. We have them made expressly for us and every bottle is extra quality glass.

Prices

	Doz.	Gross
1 quart	\$0.90	\$9.00
Pint .....	.70	7.00
½ pint ....	.60	5.90



Fig. 199

The Ideal Milk Cooler

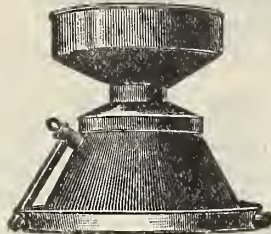


Fig. 200

The Ideal Milk Cooler and Aerator does what no other cooler does, namely, thoroughly cools the milk and at the same time aerates it perfectly, so that it is ready to ship or peddle at once. No time is lost in stirring morning's milk and getting it ready for customers, as it is cooled as fast as milked.

No. 2. Suitable for 10 to 15 cows. Price, \$10.00.

No. 3. Suitable for 25 to 40 cows. Price, \$12.00.



Fig. 201

Very heavy tin milk or cream pails with wood grip. Riveted ears.

12 quart.....	\$1.20
14 quart.....	1.30
16 quart.....	1.40

Common Sense Milk Pail

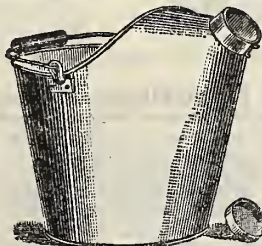


Fig. 202

This is a pail we sold in quite large quantities previous to the war. Since then we have not been able to get it until this coming season. The manufacturers have resumed making it and we will therefore, be able to supply the demand in the future. It is made of extra heavy tin, strainer removable, easy to clean and keep in repair. Price, \$2.75.

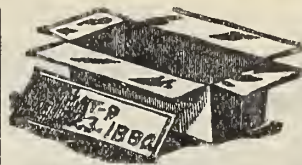


Fig. 203

The Dumas square box holds five lbs.; the only box that butter can be turned out of and left in good shape. Price, per dozen, all papered \$2.25. We also have the five-pound round boxes at \$2.00.

Milk Cans

Hi-grade Worcester Pattern Cans with wood bung.

No. 2—8 qt. Heavy \$1.55

No. 2—10 qt. Heavy 1.70

No. 3—8 qt. Light 1.45

No. 3—10 qt. Light 1.60

	Each
6 qt.	\$2.25
3 qt.	1.40
2 qt.	1.15
1 qt. ....	.85
1 qt. Funnels.	.25

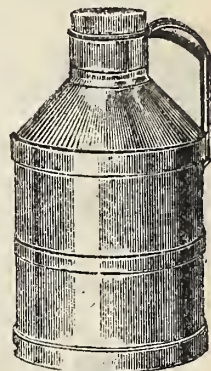


Fig. 204

The New Dover Sanitary Milk Pail



Fig. 205

The Breast on our Pail has a guard which absolutely prevents dirt from falling from the breast into the pail.

Capacity 14 qts.; diameter bottom, 9 7/8 in.; diameter top, 12 1/4 in.; extreme height, 13 3/4 in. Net weight, 4 1/2 lbs. each. Shipping weight, 6 lbs. each. Price, \$3.00 each.

Gem Combination Milk Bucket

With Removable Strainer

It has no equal in

its simplicity. Made of the best IX tin, with Steel Strainer Frame. The Gem Combination Milk Bucket can be used for milk with strainer, or the strainer can be removed by a single turn of the latch and the bucket used for any other purpose. The Strainer is constructed of Steel with Fine Brass Wire Cloth and can be readily converted into a cloth or muslin strainer by simply covering the frame with the cloth and inserting the frame in place.



Fig. 206

Prices, 10 quarts, each \$1.10; 12 quarts, each \$1.25; 14 quarts, each \$1.40. Weight, 3 lbs.

ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.

Lightning Glass Churn

A—LIGHTNING GLASS CHURN.

This churn is designed for farm use and is indispensable in the kitchen. It whips cream, beats eggs, makes butter, has a lot of other uses and is always handy.

2 quart\$2.25 4 quart\$3.00
3 quart 2.75 Extra glasses, 75c, \$1.00 and \$1.25.

B—DANDELION BUTTER COLOR.

Made for nearly a half century by the Wells-Richardson Co. of Burlington, Vt. There is no better butter color made. It gives to butter the rich June shade which always finds a ready market at top prices. Price, 35c.

C—JUNIOR BABCOCK TESTER.

The most widely used machine for rapidly and accurately determining the percentage of butter fat in milk products, such as cream, skim milk, buttermilk, etc. For an open machine, nothing can be better than this strong up-to-date Babcock tester.

2 Bottle Tester, complete for testing milk.....\$7.50
2 Bottle Tester, complete for testing milk and cream..... 8.50
4 Bottle Tester, complete for testing milk..... 8.50
4 Bottle Tester, complete for testing milk and cream..... 9.00
Shipping weight, about 13 lbs.

Come all complete with a full set of glassware with directions for using.

D—BOTTLE BRUSHES.

No. 61. 10 in. Hickory Handle Bristle Brush, 45c.
No. 82. Grey Bristle, 60c.
No. 121. Hickory Handle Pure Bristle Brush, 50c.

E—LEATHER HALTERS.

Black or Russet, riveted and sewed.

Horse Halters, \$1.50.
Cow Halters, either black or russet, \$1.35.

F—8 BAR, SOLID BACK, ENAMELED CURRY COMB.

Price, 35c.

G—REFORM CURRY COMB.

Three rows of crimped oval steel cleaners.

Price, 30c.

H—BUTTER BOWLS.

Made of polished maple.

13 inch\$0.60
15 inch80
17 inch 1.50
19 inch 2.00

I—LARGE BUTTER SPAT.

Price, 40c.

SMALL BUTTER SPAT.

Price, 30c.

J—LARGE BUTTER SPOON.

Price, 50c.

K—CORRUGATED BUTTER SPAT.

Price, 15c.

L—BUTTER PAPER.

This parchment butter paper is used by most of the butter packers. Made of very strong fibre and will stand any amount of hard use.

9 in. rolls, weighing 5 to 6 lbs., 30c per lb.

Cut 8½x11 in. for ½-lb. molds, 30c per lb.

Cut 9x12 in., 30c per lb.

M—BOTTLE CAPS.

Made of strong paraffined cardboard guaranteed to be absolutely satisfactory.

Per box of 1,000, 50c.

Per box of 5,000, \$2.25.

Per barrel of 50,000, \$20.00.

LIPPED CAPS.

Add 2c per 1,000 to the above prices.

N—B. K. Sterilizer—Cleanser—Deodorant

Powerful Non-Poisonous—Safe, Clean Colorless.

Deodorant. By U. S. Hyg. Lab. Method of Test B-K has coefficient 10—i. e.—10 times greater germ killing strength than undiluted carbolic acid.

Safe. B-K contains no poison, acid, oil, or anything harmful to food products. Sterilizes Utensils—Is not a preservative.

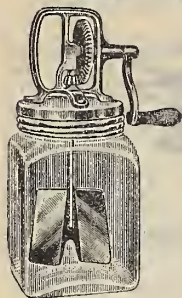
Cleanser and solvent of casein and bacteria.

Deodorant. It destroys all odors and their cause—leaves no odor of itself—helps to keep the dairy and the products clean and sweet.

Clean. B-K is clear, and clean as water.

Cheap to Use. B-K is so powerful that very little makes many gallons of sterilizing solution.

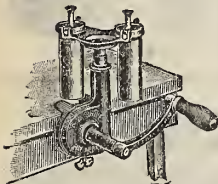
4 ounce\$ 0.35
10 ounce60
1 quart 1.25
1 gallon 3.00
5 gallon 12.50



A



B



C



No. 82

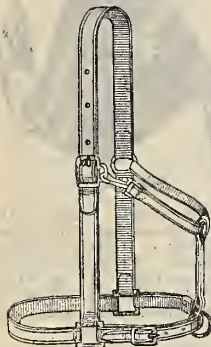


No. 61



No. 121

D



E



N



H



I



J



K



L



M



G



F



EVERYBODY KNOWS ROSS' SEED GROWS



The Myers Junior Power Spray Outfit

Fitted with 2 inch Horizontal Double Acting Force Pump. Complete Except Engine, Belt Driven.

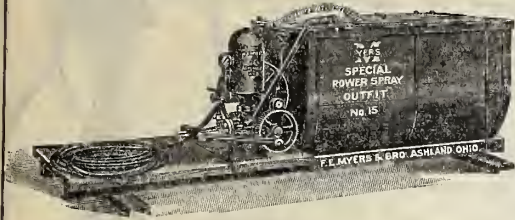


Fig. 207

Myers Junior Power Spray Outfit as furnished complete except the engine.

TANK, cypress, 100 gallons, fitted with semi-rotary agitator swung from top of tank and connected direct to face-plate on the pump.

FRAME, 3 inch channel steel.

DECK (on which engine and pump are mounted), plank, 30x47 inches.

PUMP, double acting, back geared 5 to 1.

CAPACITY, 5 1/4 gallons per minute at 50 revolutions; 6 1/2 gallons at 60 revolutions.

PLUNGER, brass, telescope pattern, hemp packed; handles hot or cold mixtures.

VALVES and SEATS, brass beveled and ground in.

PULLEY, 14x2 1/2 inch, crown face.

Price, \$120.00; 5 per cent discount for cash.

The Myers Junior Low Down Power Spray Rig

WITH ALL STEEL
SHORT TURN
TRUCK

Complete Except Engine.
Double Acting Pump, Belt
Driven. 46 in. Tread, 43 in.
High, 78 in. Long.

It has a 100 gallon Cy-
press Tank and is equipped
with our regular No. 580,
2x4 in. Spray Pump.

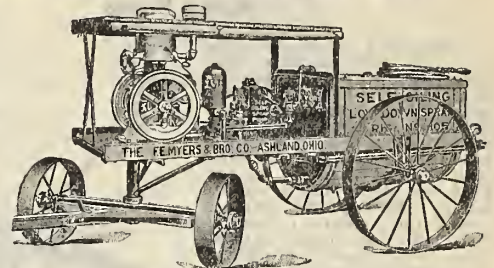


Fig. 210

Furnished with Thills instead of Pole if specified in order.

Specially designed for the farmer with a small orchard who raises fruit for his own use, or what is generally known as Farmers' Spray Rings or Community Spraying where several farmers combine to do their own spraying or hire one of their number to spray for all.

PUMP, No. 580, double acting, back geared 5 to 1.

PLUNGER, brass, telescope pat-
tern, hemp packed.

PISTON, solid brass, with heavy
brass stuffing nut.

PULLEY, 14x2 1/2 inch, crown face.

EQUIPPED AS FOLLOWS:

One Myers Spray Gun. 25 feet of 1/2 inch Myers Spray Electric High Pressure Discharge Hose with fittings complete. Double cut-off for discharge lines, pres-
sure gauge, agitator, belt tightener, relief valve, strainer and suction hose.

Price, \$190.00. 5 per cent discount for cash.

BOXES, bored, of extra length.
CYLINDER, 2x4 inch, removable
brass shell.

VALVES and SEATS, brass beveled
and ground in.

GEAR and PINION, machine cut.

WHIST PIN, 1 1/4 inch.

Myers Spray Gun



Fig. 208

Illustrates the Spray Gun. This gun discharges a long distance spray, by means of which the top of the highest fruit tree can be reached, a slight turn of the handle widens the spray and another short turn throws off spray entirely when ready to move to next tree.

Price\$6.00

The Auto Spray Pump

The "Auto Spray" works automatically for six to fifteen minutes, according to the nozzle opening. It may be charged in fifteen seconds by a few strokes of the plunger, and two pumpings will usually discharge the entire contents. Simply fill two-thirds full of solution and pump up a air pressure. Diameter, 7 inches; height, 2 feet; capacity, 4 gallons; weight, 16 lbs. with all attachments.

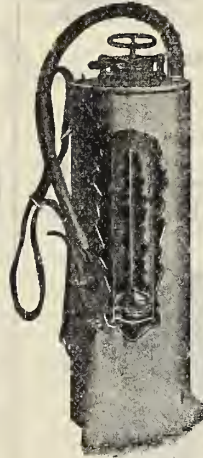
Price with stop-
cock: Brass, \$9.50;
Galvanized, \$6 50.

AUTO HOSE
COCK No. 1. Price,
\$1.50.

TWO ROW AT-
TACHMENT. Price,
\$1.35.

TWO FOOT
BRASS EXTEN-
SION. Price, 50 cts.

BRASS ELBOW.
Price, 50 cts.



Patented

Fig. 211

Myers Pneumatic Compressed Air Sprayer

This Sprayer is made of heavy galvanized iron with 3/4-inch brass tube cylinder. The manufacturers claim that a small cylinder operates easier than a large one.

The nozzle is one of the special features of this sprayer, by means of the small lever the spray can be adjusted from a broad, fine spray, covering the ordinary distance, into a complete long distance spray throwing water 25 feet, by means of which the tops of any ordinary fruit tree can be reached.

One of these sprayers will answer not only for the low growing shrubs and vines and also for anyone who has a few tall trees to spray.

Price, \$6.75.



Fig. 212

Myers Whitewash and Painting Machine and General Pur- pose Spray Pump

The most durable spray pump for white-washing and applying cold water paint there is made. All parts are of the best material and with proper care will last for a lifetime. Price, \$13.50.

DAISY TIN FORCE PUMP (not shown)

This is a good, low-priced force pump; used for sprinkling vines and shrubs; also used for whitewashing and other similar uses. Made of tin and has two nozzles.

Price\$1.25



Fig. 209

Bordeaux Special

This nozzle will throw a fine fan-shaped spray and will readily free itself should it become clogged, by turning cock-handle. It will throw a solid stream or it may be shut off altogether if desired. Price, \$1.00. Weight, 1 lb.



Fig. 213

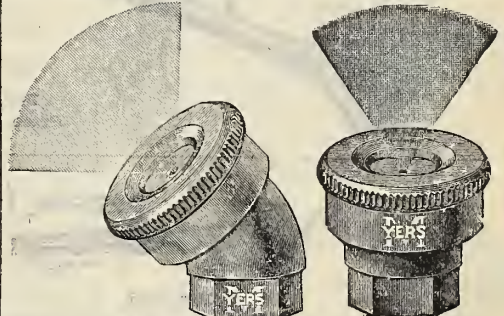


Fig. 214
Fembro 45° Nozzle (Prince)
\$0.70

Fig. 215
Fembro Nozzle
(Paied) \$0.60



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



The Worcester Double Acting Cog Gear Spray Pump

Mounted on skids with 50-gallon barrel and mechanical agitator. This is a pump with nearly the same capacity as those operated by power, but at a very low price and designed for those having a large orchard who do not care to invest \$100 or \$200 in a spray pump. This pump can be loaded on a wagon or stone-boat and spraying can be done under heavy pressure. It occupies a small amount of space, but has power and capacity sufficient for running 8 nozzles at one time. It is fitted with brass seats, 2-inch seamless brass removable. The pump complete is: one 50-gal. barrel mounted on skids, pressure-gauge, 15 ft. 1/2-in. hose, 8 ft. extension pipe with lever shut-off, mechanical agitator with fembro nozzle, or any nozzle selected. The price of the complete outfit, \$54.00.

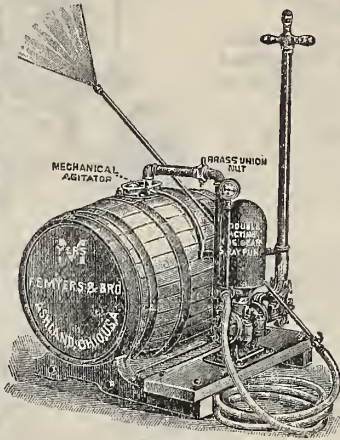


Fig. 216

We can furnish hose for this pump in 25 and 50 foot lengths.

Four row spraying attachment, to be used with the above pump or with any pump which can be used successfully to spray three rows at once. Equipped with four nozzles, one to each row, is adjustable to any height or width, giving a spray up or down. Indispensable for large acreage of potatoes and can be easily used with Myers' Double Acting Cog Gear Spray Pump.

Price, complete with hose, nozzles, etc., \$22.00.

Savage Duster

Sprays Everything in Powder Form

Easier to carry and operate than any hand duster made. Perfect balance. Ball bearings and gears packed in grease, require no lubrication. Discharge tube may be raised or lowered for low or high plants or trees so that the operator always stands in an upright, comfortable position.

Built of the finest material and workmanship and made to stand long, hard service.

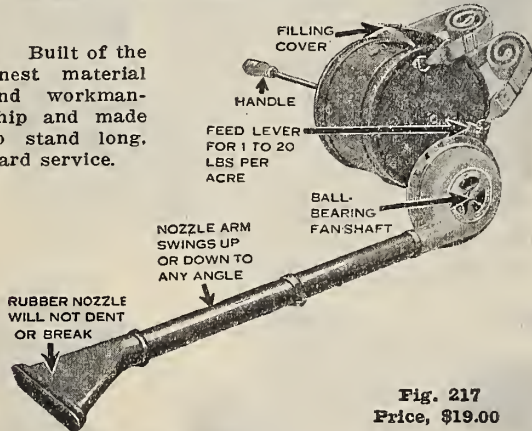


Fig. 217
Price, \$19.00



Fig. 218

For washing windows and sprinkling lawns where there is no water pressure. Has foot-rest, best hose and spray nozzle. Price, \$4.50. Weight, 6 lbs.

Brass Spray Pump

The construction of this pump is the best possible and we believe it is unequalled for the money. Bronze ball valve, with brass seat; the plunger is brass with hemp packing, and it will handle hot, cold or any caustic mixtures. Cylinder and discharge pipes are brass. The air-chamber is 30 inches long. Uniform and constant stream, pump set inside the barrel, entirely submerged. Complete, including barrel, extension pipe, nozzle, mechanical agitator, and 15 feet of hose, all ready for work. Has cog gear which saves fully 33 1/2 per cent of pumping labor. Price, complete, all set in barrel, \$20.50.

Pump only, less barrel, \$16.00



"Ideal" Spray Outfit

This outfit is light, compact and easy to operate. The tank holds 15 gallons, is mounted so that the liquid will not slop or spill, and in a way that makes it easy to handle. The pump spreads across the top of the tank and is held firmly in place by a thumb nut. It has the largest air chamber of any spray pump of corresponding size. This enables the operator to keep a uniform pressure at the nozzle.

A mechanical agitator keeps the liquids well stirred. A fine strainer at the opening in the suction pipe prevents anything getting into the working parts of the pump. The pump has the following equipment: 10 feet 3/8-inch pressure hose; 8 feet pipe extension, in 2 pieces; 1 "Ideal" Nozzle; 1 brass shut-off cock. Shipping weight, crated, 60 lbs. Price, \$23.00.

Fig. 220



Myers Knapsack Spray Pump

The tank of this pump, made of copper, holds 5 gallons and is fitted with lid and strainer, which can be removed. The pump is made of brass with large air chamber, brass ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with handle so the operator can use it the same as a tank with bucket pump if desired, and the handle lever can be shifted from right to left shoulder at will. Has brass stop cock at end of hose.

A general purpose pump for all low growing shrubs and vines. Price, Copper, \$20.00; Galvanized, \$12.50. Weight, 16 lbs.

Fig. 221



Bamboo Spray Rods

The Bamboo Extension is made of selected bamboo, 8 ft., 10 ft. and 12 ft. in length, through which is placed a special brass tube of 5/16 inch inside diameter; the shut-off lever and male end are attached to the brass tube by heavy threads (no solder) and has wide shield at top to prevent solution running down the pole.

PRICE LIST

8 ft. bamboo extension, with lever shut-off cock. Each.. \$3.50
10 ft. bamboo extension, with lever shut-off cock. Each.. 3.90
12-ft. bamboo extension, with lever shut-off cock. Each.. 4.30



EVERYBODY KNOWS ROSS' SEED GROWS



The Acme Atomizer

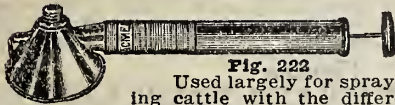
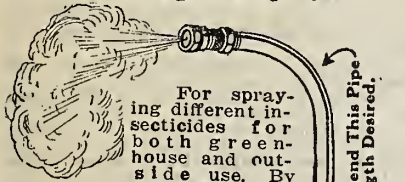


Fig. 222

Used largely for spraying cattle with the different mixtures on the market, to keep off the flies; spraying Paris Green and other insecticides on potato vines, shrubs, small trees, house plants, livestock and poultry. Price, tin, 60 cts.; with brass cup, price, \$1.00.

The Houghton Sprayer



For spraying different insecticides for both greenhouse and outside use. By this construction the cartridge presents an equal area of surface at all times to the action of the water passing through the sprayer, thereby delivering a spray of the same strength at the finish as there was at the beginning of the cartridge. Cartridges of different varieties are inserted in the holder and as the water passes through the insecticide dissolved and delivered onto the foliage of the plant. This is a Worcester made product, guaranteed to give perfect satisfaction. No clogging of the nozzle and if you want your plants and shrubs free from insects, you will make no mistake in buying one of these outfits. Cartridges supplied as follows:

Cautic or Burning Cartridge for the San Jose Scale.
Bordeaux-Fish Oil.
Tobacco Dust and Fish Oil.
Hellebore Dust and Fish Oil.

Lead Arsenate.
Fish Oil Soap.
Combination Cartridge Arsenate of Lead-Fish Oil.
Price, Sprayer \$6.00, Cartridges \$1.00 ea.



Fig. 223

No. 5 Auto Spray

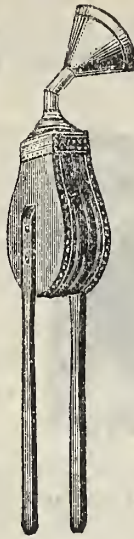


Fig. 224

Pump made entirely of brass. Valves easily taken apart if they become clogged. Nozzle designed for trees or a fine mist for bushes, potatoes, etc. This pump is double acting, thereby giving a continuous spray.

Auto-Spray Pump, hose, nozzle and strainer, complete with tank, \$7.50.

Extension, extra, 60 cts.
Less tank, \$3.00.



Acme Powder Gun

A simple, practical implement for the extermination of potato-bugs and all kinds of insects, flies, etc.; the pests of home and garden.

Net price, single, \$1.50.
Weight, 4 lbs.

For parcel post rates see inside front cover.

Fig. 225

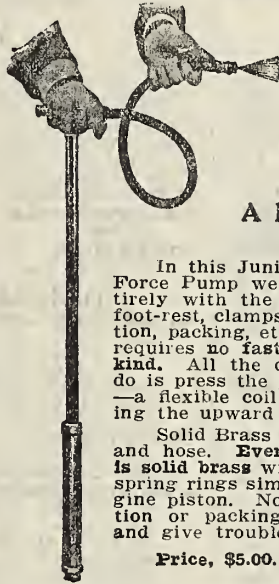


Fig. 226

A New Idea

In this Junior Spray and Force Pump we do away entirely with the objectionable foot-rest, clamps, leather suction, packing, etc. This pump requires no fastening of any kind. All the operator need do is press the plunger down—a flexible coil spring making the upward stroke.

Solid Brass except handle and hose. Even the suction is solid brass with expanding spring rings similar to an engine piston. No leather suction or packings to dry up and give trouble.

Price, \$5.00.

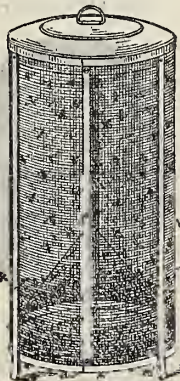


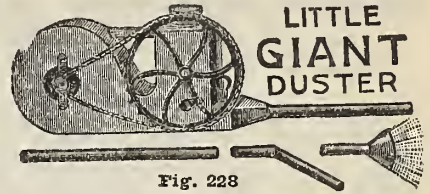
Fig. 227

Queen Out-Door Fly Trap

Is 19 inches high and 11 inches in diameter. The frame-work is galvanized sheet metal covered with black painted wire cloth.

One of the best traps yet invented, ridding the stable of flies.

Price, \$1.75 each.



LITTLE GIANT DUSTER

Fig. 228

Distributes all kinds of powder. Weight, 12 lbs. Price, \$12.00.

Boston Spray Nozzle

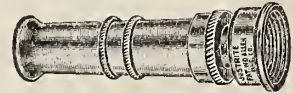


Fig. 229

Will throw a spray, a large or a small solid stream. Price, 35 cts.

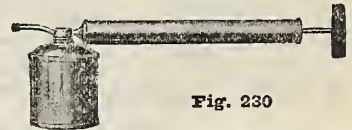


Fig. 230

A Brass Atomizer which gives a continuous spray. Made of heavy brass. Nozzle can be instantly cleaned should it become fouled. Adapted for all uses where one wishes an up-to-date hand sprayer. Every one warranted. Price, \$1.25.

American Beauty Dust Sprayer

Spraying with powder instead of liquid is becoming more popular every season. The American Beauty Sprayer is the best outfit for that purpose. Has large bellows, giving absolute control of the blast. Construction of the machine is very simple. Few working parts to wear out. The feed of duster is simple and effective. Can be regulated for a wide range. The sifting device crushes all lumps so all material will pass over the fine screen. This very fine dust clings perfectly to every part of the tree, plant or vine. This machine is so developed that it carries dust to every crack and crevice. It will pay for itself even in a small orchard. Has wire wound hose that will not kink, crack or break. Has strong, comfortable shoulder straps for carrying. Built of best material. Write for complete circular. Price, \$26.75.

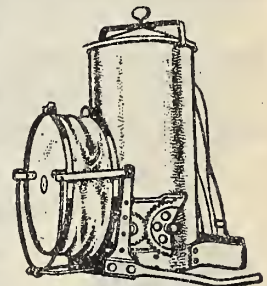
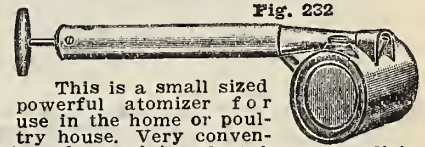


Fig. 231

Little Midget Sprayer

Fig. 232



This is a small sized powerful atomizer for use in the home or poultry house. Very convenient for applying dust layers or disinfectants. 40 cts. each.



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



TANGLEFOOT ANT-DESTROYER. Guaranteed to drive ants from any lawn. Put up in powder form and used by scattering on the ant hills. The ants never come back. 15 cts. and 35 cts.

Kayso

Spreads the Spray and Makes it Stay. Kayso makes the spray spread in an even, unbroken coat over every surface, thereby giving better control of pests and diseases than is obtained when Kayso is not added—for the ordinary spray collects in scattering spots with numerous unprotected areas between.

Kayso makes the spray stick. Rain or shine—Kayso causes the spray to adhere persistently, thereby giving much greater protection than can be obtained from the ordinary spray, which washes off with comparative ease during rains—requiring frequent repetitions.

Kayso Means Economy. Kayso makes the spray apply easily and cover quickly—causes the spray to set and dry rapidly without excessive run-off waste, and gives increased coverage of as much as 10 to 25 per cent.

USE KAYSO WITH ALL SPRAYS. Price, 10 oz. 25 cts., 1½ lbs. 35 cts., 2 lbs. 45 cts., 10 lbs. \$2.10, 50 lbs. \$9.50, 100 lbs. \$18.00. Use ½ lb. to 200 gallons of water.

DRY ARSENATE OF LEAD. We carry Arsenate of Lead both paste and dry. The trade seems to demand this in the dry state as it has so many advantages over the paste. The dry will keep forever, is less bulky, does not freeze and spoil. Send for descriptive catalogue which gives valuable information for every tree grower. ½-lb. pkg. 25 cts. ea., 1-lb. pkg. 45 cts., 24 lbs. (6 4-lb. bags) \$6.25, 48 lbs. (12 4-lb. bags) \$12.50.

Black Leaf 40

(Nikoteen Sulphate, Nikoteen 40 per cent.)

BLACK LEAF 40 is the best known remedy for Potato Lice and other similar insects. Is perfectly soluble in cold water. Can be used in combination with lime, sulphur, arsenate of lead, Bordeaux mixture. Is used as safe and effective for plant lice, thrips, leaf hoppers, etc. Highly recommended by State and Government Experts. Use about 1 to 1,000, or 1 oz. will make six gallons of solution. 1 oz. 35 cts., ½ lb. \$1.25, 2 lbs. \$3.50, 10 lbs. \$13.50.

BORDEAUX MIXTURE. (Liquid.) This mixture is put in one gallon patent cans. One-gallon will make 50 gallons by the addition of 49 gallons of water. Gallon cans \$2.00. Weight, 9 lbs.

DRY BORDEAUX MIXTURE AND PARIS GREEN. It kills potato bugs and all plant-eating pests, prevents blight and rust, keeps potato and tomato vines and other foliage in a green and vigorous condition. In one box. Lb. 50 cts.

DRY BORDEAUX POWDER. For preventing blight on grapes, potatoes and other crops that are subject to rust, mildew and black rot; applied dry with bellows. Lb. 45 cts., 5 lbs. \$1.75.



Pat. in Canada Nov. 2, 1897. Pat. Mar. 16 and Nov. 9, 1906.

BUG DEATH. We can say to our customers that we give Bug Death our fullest endorsement. While the first cost to kill the bugs on an acre of potatoes is rather more than that of arsenical insecticides, the results at harvesting time are entirely satisfactory, and where practical tests have been made, the extra yield of marketable potatoes has more than paid the entire expense. It is non-poisonous, which makes it perfectly safe to use on all plants or vines. 1 lb. pkg. 20 cts., 3-lb. pkg. 45 cts., 5-lb. pkg. 75 cts., 12½-lb. pkg. \$1.50, 100-lb. pkg. \$9.50.

COAL TAR. For tarring corn to prevent crows from pulling it. ½ pt. 15 cts., 1 pt. 20 cts., qt. 30 cts. Shipping weight 2 lbs. and 4 lbs.

CREOSOTE FOR GYPSY MOTHS. For the destruction of the eggs of gypsy moth. Qt. 55 cts., shipping weight 3 lbs.; gal. \$1.15, weight 9 lbs.

CUTWORM FOOD. Rid your garden and farm of the Cutworm pest. There was a time when Cutworms were not considered very seriously by farmers and market-gardeners, but in late years it seems they have come to stay. Cutworm food can not harm plants and is safe and easy for the operator. Put up in one-pound packages. Directions for using on every package. 1 lb. 40 cts. Shipping weight 2 lbs.

NORTH STAR FLY CHASER. A new and different preparation for getting rid of flies which pester cattle. The new North Star Fly Chaser is the result of two years' work and its success has been great. A long series of tests in



one of the largest dairy farms in the East has proved that it will completely exterminate cattle lice, and also that it prevents the spread of mange or barn itch. Does not gum up or stain the hair. Does not leave unpleasant odors. Price, \$2.00 per gal.

Flyosan

DID YOU EVER HEAR OF A FLUID That will DRAW ROACHES and ANTS out of every hole, crack or crevice before killing them, and NOT POISON FOOD? That will KILL BED-BUGS instantly and not leave an odor? That will KNOCK FLIES OFF THE WALL, kill them, and not harm paint or paper? That will KILL MOSQUITOES and NOT harm baby? That will bring MOTHS OUT OF CLOTHES and closets, kill them, and not harm your clothes? That will take FLEAS OFF A DOG, kill them, and not harm the dog? That will take LICE OFF A HEN, kill them, and not harm the hen? That as a general disinfectant is stronger than the ordinary Carbolic Acid Solution and yet cannot injure the smallest child? Used with sprayer forms a gas which KILLS



Flies, Mosquitoes, Roaches, Moths, Fleas, Lice, Bed-Bugs, Spiders, Ants, Hornets, etc.

On the farm it kills Flies on Horses and Cattle, Lice and Fleas on Cats, Dogs, Chickens and Hogs.

Positively guaranteed not to contain the slightest trace of Carbolic Acid (Phenol), Nitro Benzol (Oil of Myrbane), or any other poisonous chemicals.

How to Use Flyosan

Hold the sprayer about two feet from the cracks of surfaces to be sprayed. Best results are obtained if doors and windows are kept closed for about ten minutes. Flyosan will quickly bring insects from their hiding places. Spray them again and they will quickly die. Do not leave Flyosan cans open. Flyosan gas escapes that way. Keep after the insects systematically. Flyosan will prevent your neighbor's vermin from entering your house. ½ pt. 50 cts., 1 pt. 75 cts., 1 qt. \$1.25, 2 qts. \$2.25, 4 qts. \$4.00.

GRAFTING WAX. Prices, ¼ lb. 15 cts., ½ lb. 20 cts., 1 lb. 35 cts.

HELLEBORE. Sure death to the currant worm. Lb. 60 cts., ½ lb. 35 cts., ¼ lb., 20 cts.

"Herbicide"—The Weed Exterminator

"HERBICIDE"—THE WEED EXTERMINATOR. Kills grass and weeds of every kind on roadways, gutters, tennis courts, etc., by one application. Its use will save much labor and expense in the long run. 1 qt. 70 cts., 2 qt. cans \$1.20, 1 gal. cans, \$2.00, 5 gal. cans \$8.00, 10 gal. cans \$15.00, 30 gal. cask \$33.00, 50 gal. barrel, \$50.00. Full directions accompany each package.

IN-A-MINUTE. Will destroy bugs, roaches and similar vermin. Used for cleaning clothing, ink stains, etc. Price, 14 oz. bottle 50 cts.

KEROSENE EMULSION. Not injurious to foliage and a sure remedy for lice, scale insects and most soft-bodied insects. Very valuable for washing domestic pets. Kills by contact. Qt. 50 cts., gal. \$1.25.

LEMON OIL. One of the cheapest, safest and most effectual insecticides. Dilute with 40 to 50 parts of water. An excellent wash for dogs, curing mange, killing insects. ½ pt. 35 cts., pt. 60 cts., qt. \$1.00.

DRY LIME SULPHUR. All the old disagreeable features of spraying with liquid lime sulphur is done away with by using the new sulphur compound. It is not caustic, does not freeze, is good till used and is fully 25 per cent cheaper to use than that in the liquid state. Put up as follows: 1-lb. cans 40 cts., 5-lb. cans \$1.40, 10-lb. cans \$2.50, 25-lb. cans \$3.85, 100-lb. cans \$13.50.

CONCENTRATED LIME SULPHUR. Kills San Jose Scale, Oyster Shell, Bark Lice, etc., and gives the tree a thorough "housecleaning." It should be applied any time after the leaves drop in the Autumn and before the buds start in the Spring. Needs only to be diluted with cold water and it is ready to apply; 1 gallon makes 10 gallons of spray. Guaranteed under the National Insecticide Act. 1 qt. 45 cts., weight 3 lbs.; 1 gal. 85 cts., weight 12 lbs.; 5 gals. \$3.25, 50 gals 25 cts. gal. No charge for bbl.





EVERYBODY KNOWS ROSS' SEED GROWS



Why Raise Roses to Feed Bugs?

Melrosine—the only remedy—endorsed by leading authorities. The **GENERAL CONTACT INSECTICIDE** that **KILLS ROSEBUGS** and other insects. Used with any good spray-pump, diluted with from 20 to 25 parts of water. Pleasant and harmless to use. Guaranteed effective when used according to directions on can. Gal. \$6.00, half-gal. \$3.25, qt. \$1.75, pint \$1.00. Trial size 50 cts. By mail or express at customer's expense. Or Trial Size, sufficient to make one gallon when diluted, and care for several plants for the season, postpaid for 60 cts.



MELROSINE—IT KILLS ROSEBUGS

"Electric" Worm Eradicator

From one to two ounces to each gallon of water brings worms, grubs, etc., to the surface of the ground within a few seconds, where they die. 1 gallon \$4.00, 5 gallons \$17.50, 10 gallons \$34.00.

"Nico-Fume" Liquid

(Nicotine Solution)

Has the advantage of being suitable **BOTH** for **Spraying** and for **Fumigating Purposes**.

"Nico-Fume" Liquid is packed in screw-top cans, and is sold in the following sizes:

Can containing 8 lbs., price \$15.00; can containing 1 lb., \$2.35
Can containing 4 lbs., price 8.00; can containing ¼ lb., .75

FORMALDEHYDE—prevents potato diseases and insures a big, healthy crop. Directions mailed upon application. 1 lb. 50 cts.

PARIS GREEN. A poisonous, insoluble powder, for preventing the ravages of potato-bugs, codling moth, caterpillars, slugs and bugs. Mix one pound to 100 pounds of plaster, or 200 gallons of water. May be used clear with the Leggett Gun. Lb. 50 cts., ½ lb. 30 cts., ¼ lb. 20 cts.

PINE TAR. Used in the stable for cuts and bruises. ¼ pt. 20 cts., pt. 30 cts., qt. 40 cts.

Stanley's Crow Repellant

What It Does

It rids your Corn Crop of Crows and other corn pulling birds, and animal pests, such as Moles, Gophers, Woodchucks, Squirrels, etc.

Saves loss of seed and labor of replanting.

Positively will not clog any planter.

Aids and hastens germination of seed corn.

Protects seed from rotting in the ground.

Insures larger yield per acre.

Is non-poisonous and will not injure the seed.

Will not kill birds or animals, but will keep them away and prevent destruction by them.

Has been used successfully by experienced corn growers for over ten years.

Large can, enough for two bushels of seed corn....\$1.50

Small can, enough for one bushel..... 1.00

CARBOLINEUM. Of the numerous preservative compounds on the market Carbolineum stands alone as time-tried and thoroughly tested. It is the only superficial preservative method that has been used the world over and demonstrated its value in the thirty past years. It is the only one that has received recognition and met with the approbation of engineers of Europe and America—the only preparation favorably reported along with the reliable but expensive and inconvenient Creosoting and Burnetizing process. Gallon can \$1.75. Weight 11 lbs.

BOWKER'S PYROX

A powerful fungicide; it controls fungous diseases, even some serious ones that other fungicides do not control.

A strong poison insecticide; it kills chewing insects, even those which are hard to kill, like the hard-shelled potato beetle.

Over twenty years of practical farm use have proved Pyrox the most effective remedy against both serious fungous diseases and chewing insects. It contains the essential copper in proper quantity for safe use and in most active form for greatest fungicidal value. In Pyrox the poison insecticide is chemically blended with the copper fungicide which increases the effectiveness of both. Simply mix with cold water and spray.



It goes farther: It is so smooth and fine that the finest nozzle can be used without clogging. The resulting mist-like spray covers more surface.

It gives more lasting protection; it sticks like paint and stays on for weeks. Even hard rains do not wash it off once it is thoroughly dry.

It helps to increase yields; the copper fungicide in Pyrox stimulates the leaves, makes them greener and more vigorous and helps to increase yields even when there is no disease.

1 lb. jar	\$0.45	50 lb. drum	\$10.75
5 lb. drum	1.90	100 lb. keg	17.00
10 lb. drum	3.25	300 lb. barrel	48.00
25 lb. drum	6.75		

"Readeana" Rose Bug Exterminator

A most effective insect killer that is absolutely harmless to even the most delicate flowers or foliage. 1 gal. \$4.00, 5 gal. \$17.50, 10 gal. \$34.00.

Full directions accompany each package.

SOAP, SULPHO-TOBACCO. 3-oz. pkg. 10 cts., mailed post-paid 13 cts., per doz. \$1.00, ½ lb. pkg. 20 cts., mailed post-paid 28 cts., per doz. \$2.00.

SCALECIDE. A petroleum oil that mixes at once with cold water in any proportion and stays mixed. It is not necessary to use an extra tank or barrel and no hot water should be used. Can be prepared in an instant, adding one gallon of Scalecide for every fifteen or twenty gallons of water. Qt. can 60 cts., weight 3 lbs.; gal. can \$1.40, weight 9 lbs.; 5-gal. can \$6.25, two 5-gal. cans \$10.60, 15-gal. drums \$13.50, 50-gal. bbl. \$38.00.



SLUG-SHOT. A fine powder used for potato bugs and other insects. Recommended for cabbage worms. 5-lb. package 60 cts.

TOBACCO DUST, in tight sealed package for dusting plants for lice, etc. 1 lb. 25 cts.

Rax Is Not a Poison

While it is absolutely deadly to rats and mice, it is harmless to human beings, domestic animals, poultry and birds. It may be used anywhere with complete safety.

Rats Leave Before They Die

Within a few days after eating bait prepared with Rax, rats and mice become feverish and seek the open air, where they die—outdoors.

Directions with each package. One bottle is enough for an ordinary house; allow one bottle to each 500 feet of floor space in large barns, mills, etc. Price, 75 cts. per bottle, postpaid.

FISH OIL SOAP. For destroying insects on plants, etc., in small boxes. Lb. 35 cts., ½ lb. 20 cts.

TANGLEFOOT FLY RIBBON is sanitary and non-poisonous. Made of paper of unusual strength so ribbons can be opened without tearing, which is a common annoyance with ribbons. Tanglefoot Ribbons are now more evenly coated than ever before. Size 1¼x26 in. Price each 5 cts., case of 50 \$1.25.



Tree Tanglefoot

A perfect safeguard for trees against gypsy, brown-tail and tussock moth, canker worm, ants, and all creeping things. It will remain sticky about three months, fully exposed to the weather. 1-lb. can 60 cts., 5-lb. can \$2.75, 10-lb. can \$5.25, 25-lb. pail \$11.00.

Dolge Weed Killer

A minute a day keeps the weeds away. Kills all growth on Tennis Courts, Walks and Drives. Destroys Ivy, etc., on walls, fences and court yards.

PRICES

1 qt. can (enough for 10 gals.).....	\$ 0.60
1 gal. can (enough for 40 gals.).....	1.75
5 gal. can (enough for 200 gals.).....	8.50
10 gal. can (enough for 400 gals.).....	15.00
30 gal. bbl. (enough for 1,200 gals.).....	37.50
50 gal. bbl. (enough for 2,000 gals.).....	52.50

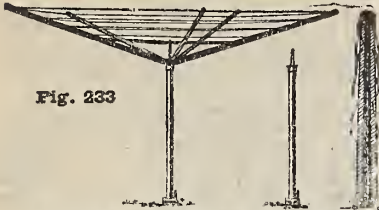


Fig. 233

HILL'S CHAMPION DRYER. Made of selected wood, neatly painted. Ground box has galvanized cover. A very attractive dryer, one that will last. Can be folded and put away easily. Price Wood post, 115 ft. \$10.50 Wood post, 150 ft. 12.00

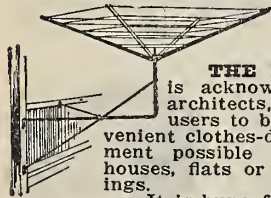


Fig. 234

THE HILL DRYER is acknowledged by all architects, builders and users to be the most convenient clothes-drying arrangement possible for apartment houses, flats or private dwellings.

It is hung from the piazza posts, as seen in illustration, or from side of building, and so arranged that each line is easily reached. The swing arms are made of steel, and will support a great weight. The Dryer top is fastened, opened and locked to the post by a patented device which makes it impossible for it to be blown off.

Hill Balcony Dryers have four arms, 5 feet 6 inches long, and hold 110 feet of line. **PRICE**
Upright Style, as in cut. \$20.50
Inverted Style 22.00

WORCESTER SPECIAL OUTDOOR DRYER

Made of best stock; cotton line; 110-ft. line, 150-ft. line. Above includes box to go into the ground.
Price, 110-ft. \$7.65
Price, 150-ft. 8.50

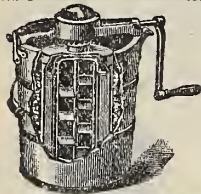


Fig. 235

White Mountain Ice-Cream Freezer

1 qt.	\$3.00
2 qt.	3.60
3 qt.	4.25
4 qt.	5.00
6 qt.	6.25

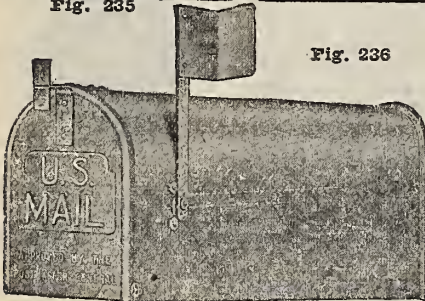


Fig. 236

The Hessler Mail Box

Conforming in every way to the Post Office requirements, for rural delivery box. Dimensions: No. 1, 18 1/2 in. long, 6 1/4 in. wide and 7 1/2 in. high; No. 2, 23 1/2 in. long, 11 in. wide and 14 in. high.

Inside measurements, No. 1 weighs 10 lbs., No. 2 weighs 25 lbs.
Price of No. 1 is \$1.75; No. 2, \$3.00.

Clothes Wringers

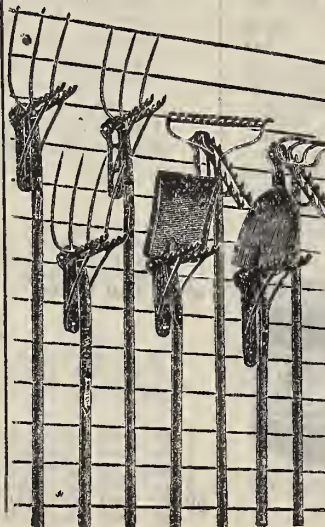
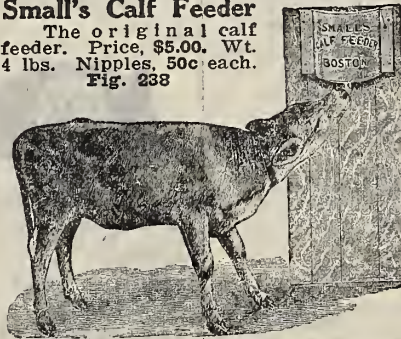


Fig. 237

- Price
- No. 380 E. Universal. \$5.50
Guaranteed 3 years; for round tubs only; enclosed gears; ball bearings; rolls 10x1 1/4 in.; 3 in a carton, 62 lbs. Hi Grade.
 - No. 360 E. Universal. \$6.25
For set of round tubs; ball bearings enclosed; guaranteed 3 years; rolls 10x1 1/4 in.; 2 in carton, 54 lbs.
 - No. 361 E. Universal. \$6.50
Same as No. 360 E., except has 11 in. rolls.
 - No. 100 Rival. \$4.50
Self-oiling wood bearings; for round tubs only; guaranteed for one year.

Small's Calf Feeder

The original calf feeder. Price, \$5.00. Wt. 4 lbs. Nipples, 50c each.
Fig. 238



Hager Tool Rack

Designed for store or stable. Made in three styles for shovels, hoes or forks.

Combination racks for stores can be used for all. Price, 85 cents each. Weight, 3 lbs.

Fig. 239

Majestic Rotary Washer



Fig. 240

Ball bearings and balance fly-wheel almost make it run itself. Price, \$12.50.



Fig. 241

Vanco Mop Wringers

- No. 86. Small size \$2.25
- No. 88. Household size. \$3.00



Fig. 242

The government requires everyone to have a mail box. The above cut shows a strong warranted box made by the Corbin Cabinet Lock Co.

Weight, 2 lbs. Price, \$1.35 each

Corn Poppers

Made up of heavy woven wire, with stained handle. Everybody should have one.



Fig. 243

1 qt.	25c
1 1/2 qt.	30c
2 qt.	35c
4 qt.	65c

Special price on 12 1-lb. packages of Tanager Brand Pop Corn with 2-qt. popper, \$1.75. Add for parcel post first zone 20 cents.

EVERYBODY KNOWS ROSS' SEED GROWS

No.	Price
14	\$1.25
R65	1.70
R70	1.50
R275	2.25
R170	3.00
99	1.65
50	.75
165	1.75
R85	2.35
R165	1.85
65	1.45
R50	.90
60	1.00

Add 10 cts. per pair for packing and postage.



Fig. 244

Budding Knife

4 1/4 inches long.
Price, \$1.25. Bone blade.



Fig. 245

Pruning Knife

Warranted, \$1.25

McKinney Pruners

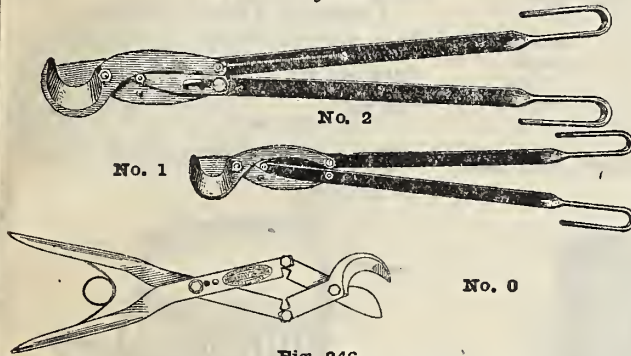


Fig. 246

Latest, strongest and best hand pruner made. Very powerful and easy to operate. The only perfect cutting pruner on the market. No. 0 is a hand pruner having two cutting blades, cuts limbs 5/8" in diameter. No. 1 cuts 1" in diameter. No. 2 cuts 1 1/2" in diameter.

No.	Weight	Length	Price
No. 0	1 lb.	15 inches	\$4.00
No. 1	2 1/4 lbs.	23 inches	4.50
No. 2	5 1/4 lbs.	30 inches	6.00

Hack Saw Pattern

Flat steel frame. Beech handle. Blued steel blade. 14 1/2 inches between centers of holes. One of the best sellers. \$1.90.

Extra Blades, 25 cts. each. \$2.75 doz.

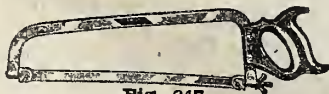


Fig. 247

We carry a complete line of Compton Reliance Shears and Scissors; guaranteed the very best quality, fully warranted, must give satisfaction or we will replace with a new pair.

Compton Reliance Straight Trimmers



Fig. 248

The pattern used mostly for general household requirements.

Japanned	6"	6 1/2"	7"	7 1/2"	8"	8 1/2"	9"
Per pair	\$1.10	\$1.15	\$1.25	\$1.35	\$1.45	\$1.50	\$1.65
Nickel Plated							
Per pair	1.20	1.45	1.55	1.60	1.65	1.75	2.00

Compton Reliance Bent Trimmers

A dressmaking shear. The bent handle allows the operator to follow a given line or pattern on goods to be cut.



Fig. 249

Japanned	6"	6 1/2"	7"	7 1/2"	8"	8 1/2"	9"
Per pair	\$1.15	\$1.25	\$1.35	\$1.40	\$1.50	\$1.65	\$2.00
Nickel Plated							
Per pair	1.40	1.50	1.60	1.65	1.75	2.00	2.25

Compton Reliance Ladies' Scissors

A very neat and useful scissor for my ladies' work basket; very

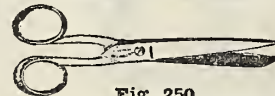


Fig. 250

handy for light snipping of threads, embroidery work, etc.

Full Nickel Plated, Highly Finished

	4"	4 1/2"	5"	5 1/2"	6"
Per pair	\$1.15	\$1.25	\$1.35	\$1.40	\$1.45

"Compton Shears Are Built to Cut and They Do."

Double Edge Straight Saw

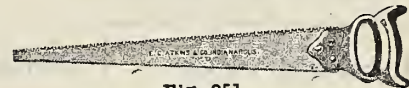


Fig. 251

Very popular. 16 in. \$1.00, 18 in. \$1.15. Same pattern as above, crucible steel. Warranted. 16 in. \$1.65, 18 in. \$1.75.



Fig. 252

Has narrow point. Easy to use between close limbs. 16 in. \$1.25, 18 in. \$1.35.

Two-Hand Pruners

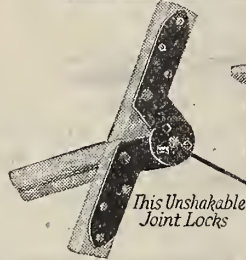


Fig. 253

A heavily constructed pruner with an absolute broad cut, made for heavy duty work. 24 inch handle. Price each, \$3.00.

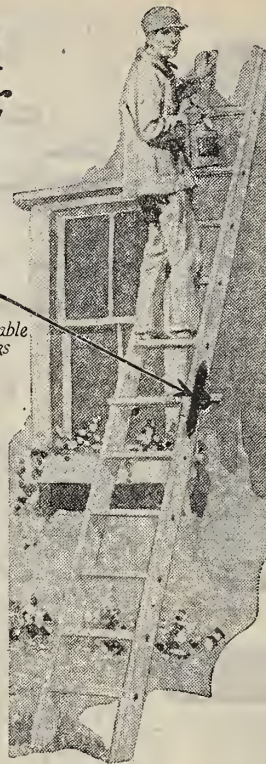


The Handy Ladder



SAFE
STRONG
HANDY

Fig. 254



Double Ladder Service at a Single Ladder Price

Note Solid Construction. Heavy unbreakable steel hinge. Positive lock in both straight and step ladder positions; bolted under every step. small storage space. Made in following sizes:

4 Foot Step Ladder or 8 Foot Straight.....	\$3.60
5 Foot Step Ladder or 10 Foot Straight.....	4.50
6 Foot Step Ladder or 12 Foot Straight.....	5.40
8 Foot Step Ladder or 16 Foot straight.....	7.20

Extension Ladders



Fig. 257 Fig. 258

Made from white spruce and recommended by telephone and telegraph folks who use these. Allow 4 ft. for lap.

20 to 30 ft., 42c per ft.
32 to 34 ft., 45c per ft.
36 to 40 ft., 48c per ft.
42 to 44 ft., 50c per ft.

Paris Step Ladders



Fig. 259

These ladders are made by the Paris Mfg. Co., which is sufficient guarantee for their durability and workmanship. Every ladder heavily trussed and reinforced. We carry all lengths.

3 ft.....	\$2.10
4 ft.....	2.80
5 ft.....	3.50
6 ft.....	4.20
7 ft.....	4.90
8 ft.....	5.60
10 ft.....	7.00

Common Taper Ladders

Made of white spruce. Very strong and durable.

Price per ft:	
8 to 16 ft.....	30 cts. per ft.
18 to 22 ft.....	33 cts. per ft.

Plain Galvanized Ash Can

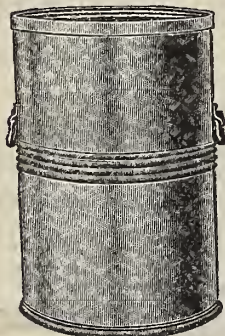


Fig. 255

No. 1. 17x26 inches, a medium weight can suitable for all purposes. Used by the poultrymen for grain cans and the like. Price, \$1.85.

Corrugated Galvanized Ash Can



Fig. 256

Ajax. A medium weight can, corrugated, which makes it extra strong. Price, \$4.00. Covers, 90 cts.

Success Ash Sifter



Fig. 260

Keep the Home Fires Burning, but sift your coal and save every piece. Rightly named, for it does the work in half the time with no dust or noise and with very little work.
No. 1. Family size \$3.25
No. 1. Complete with galvanized ash can 5.00
Galvanized Ash can 17x26..... 1.85



EVERYBODY KNOWS ROSS' SEED GROWS



Victor Traps with Chains

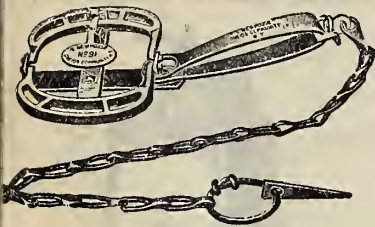


Fig. 261

Cut shows Victor traps with double jaw. No gnawing or pulling out of these traps.

Sizes	Each	Dozen
0	\$.20	\$2.00
1	.22	2.35
1½	.30	3.40
01 (double jaw)	.30	3.40
1½	.45	4.85

Jump Trap with Chains

Light in weight, open up flat and used extensively by lots of trappers. The Nos. 91 and 91½ have double jaws which catch the animal high on leg and prevent gnawing off leg.

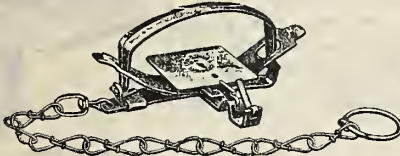


Fig. 262

Sizes	Each	Dozen	Sizes	Each	Dozen
0	\$.20	\$2.00	2	\$.50	\$5.40
1	.25	2.65	91	.35	3.75
1½	.35	3.75	91½	.45	5.25

Hold-Em Wire Rat and Mouse Traps

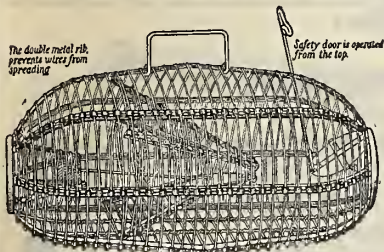


Fig. 263

Rat Traps. Weight, 2 lbs. Price, \$1.00
 Mouse Traps. Weight, 1 lb. Price, .50

Made of steel wire. Has patent trigger attachment to catch the first rat, which is the hardest to get. The first one used as a decoy for others.

Corn Hooks



Fig. 265-A

Fig. 266-D

Fig. 267-B

- A. Vt. Corn Hooks, plain handle, plain blade....Price, \$0.40
- B. Spring Steel Corn Hooks, curved handle.....Price, .60
- C. Spring Steel Corn Hooks, plain handle.....Price, .50
- D. Solid steel with off-set blade. Weight, 1 lb...Price, .50
- E. Plain Blade. Weight, 1 lb.....Price, .65

Simplicity Hedge Trimmer

"Cutting More Surface with More Cutting Surface."

The Simplicity Hedge Trimmer works so rapidly and easily that it makes frequent cuttings possible.

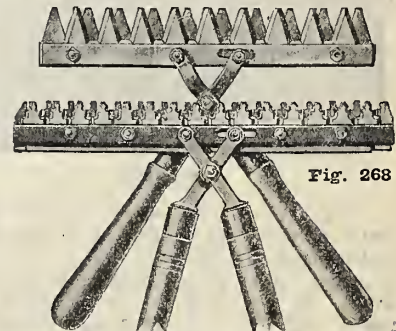


Fig. 268

No experience is necessary to do a first class job with the Simplicity. Anyone can operate it, everyone wants to operate it when they see it.

To get a thick, beautiful hedge, it is necessary to trim it often, at least every three weeks. When the hedge is trimmed, new shoots sprout out immediately back where the foliage is freshly cut.

The Simplicity trims every variety of hedge grown. Will trim a hedge to any shape and cut desired.

Make your hedge trimming a pleasure by ordering a Simplicity today.

1. Simplicity Hedge Trimmer, for fresh new growth only. Price, \$4.00.
2. Simplicity Hedge Pruner and Trimmer, for pruning back old growth and trimming new. Price, \$6.00.

Goodwin Grass Shears



Fig. 264

This up and down shear is easy to operate. Made strong and cannot get out of order and is the right way to trim the grass. Polished. Weight, 2 lbs. Price, each \$2.00

Higley's Pruners



Indorsed by the Moth Commission of the State of Massachusetts, also by tree wardens generally. No wire or metal from the blade to electrocute the user. We have them in all sizes from 10 ft. up, both of the plain and self-holding type.

Price, plain, 10 ft. \$1.00, 12 ft. \$1.10, 14 ft. \$1.20, 16 ft. \$1.30, 18 ft. \$1.40, 20 ft. \$1.50. Self-Holding, 10 ft. \$1.25, 12 ft. \$1.35, 14 ft. \$1.50, 16 ft. \$1.65, 18 ft. \$1.75, 20 ft. \$1.85.

Fig. 269

Norcross Improved Hand Garden Cultivator



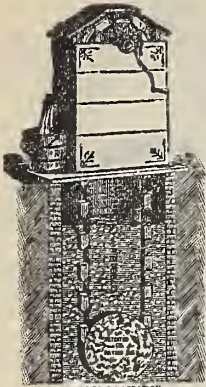
Fig. 270

A very handy garden tool, 5 prongs, \$1.00; 3 prongs, 75 cts. Hand, 50 cts. Mailing weight, 3 lbs.



Fig. 271

STEEL BLADE TREE SCRAPER. 75 cts. each. 2 lb.



PURIFIES BY AERATION
Fig. 262

The Bucket Pump

We will guarantee it to purify any well in five days, or we will refund the money. Cannot freeze. Can be set up without going below platform. Price for 10-foot well \$12.50, for each additional foot of well add 50 cts.

Round End Stock Watering and Storage Tanks

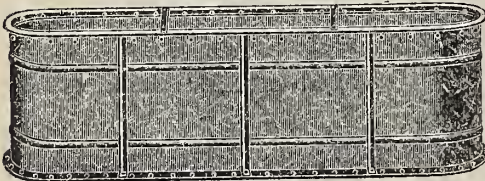


Fig. 273

Well braced. These prices f. o. b. Worcester or delivered by freight to your nearest station from the factory.

No.	Wd.	Hght.	Lgth.	Cap.	Weight	Price
101	2 ft.	2 ft.	4 ft.	3 bbls.	65 lbs.	\$ 9.00
102	2 ft.	2 ft.	5 ft.	3 3/4 bbls.	75 lbs.	11.00
103	2 ft.	2 ft.	6 ft.	4 1/2 bbls.	90 lbs.	12.50
104	2 ft.	2 ft.	7 ft.	5 1/2 bbls.	105 lbs.	14.00
105	2 ft.	2 ft.	8 ft.	6 3/4 bbls.	120 lbs.	15.00
105b	2 1/2 ft.	2 ft.	6 ft.	5 3/4 bbls.	110 lbs.	13.50



Fig. 274

The Rice Calf Weaner

Does not hinder the animal from eating or drinking. Endorsed by all users. Works like a charm. Three sizes. Small, price each,

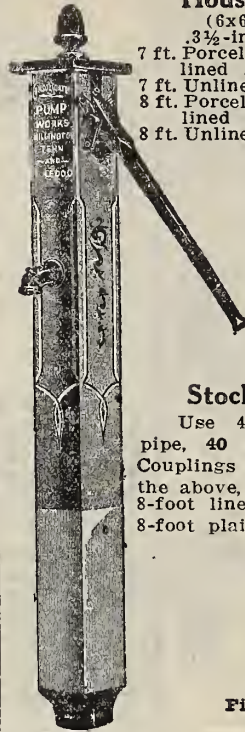
50 cts.
Med., price each,
75 cts.
Large, price each,
\$1.00

Asparagus Buncher

Price, \$4.00
Mailing weight, 5 lbs.



Fig. 275



House Pump

(6x6 Stock)
3 1/2-inch Bore)
7 ft. Porcelain-lined \$11.25
7 ft. Unlined 9.25
8 ft. Porcelain-lined 12.00
8 ft. Unlined 10.00

T u b -
ing 4x4 \$0.35
per ft.

Used 4x4
inch pipe for
above pump.
Price, 35 cts.
per foot.

Couplings
and bands
for the
above \$1.00
each.

Stock Pump

Use 4 1/2 x 4 1/2 inch
pipe, 40 cts. per foot.
Couplings and bands for
the above, \$1.25 each.
8-foot lined \$14.00
8-foot plain 12.00

Fig. 276

Rubber Bucket Chain Pump

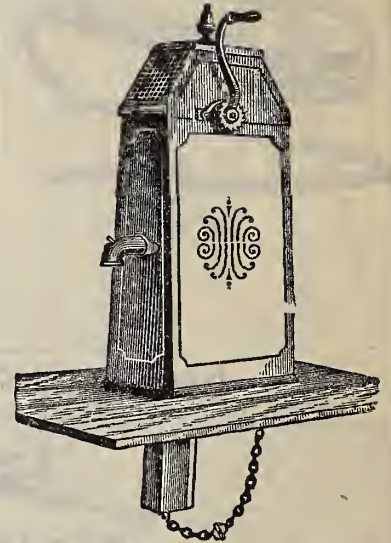


Fig. 277

They are the best cheap pumps.
Price, Curbs, \$6.00 each. Chain (3 ft.
to lb.), 20 cts. per lb.

Wood Tubing, 20 cts. per foot.
Rubber Buckets, 15 cts. each.

Tree Saws

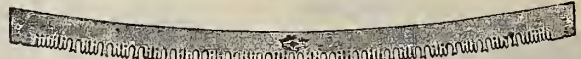


Fig. 278

Simonds Hollow Back Pattern. 5 ft., \$3.25; 5 1/2 ft., \$3.55; 6 ft., \$4.10.
Same as above, only two gauges thinner on back. 5 ft., \$3.65; 5 1/2 ft., \$4.00; 6 ft., \$4.40.
Common V-Tooth. 5 ft., \$2.20; 5 1/2 ft., \$2.40; 6 ft., \$2.60.

One Man Saws

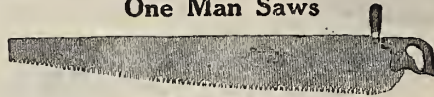


Fig. 279

3 1/2 ft., \$3.85; 4 ft., \$4.50

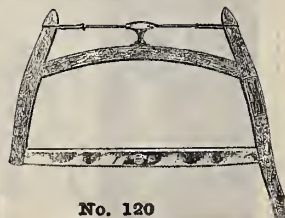
Saw Bucks

Extra grade saw buck. Made from heavy maple stock, folding. Can be closed and put away in a small space.
Each, 55 cts.

Saw Handles

Triumph pattern. Clamps on end of saw with thumb nut. Per pair, 50 cts.
Loop pattern, loop made of welded steel. Per pair, 65 cts.

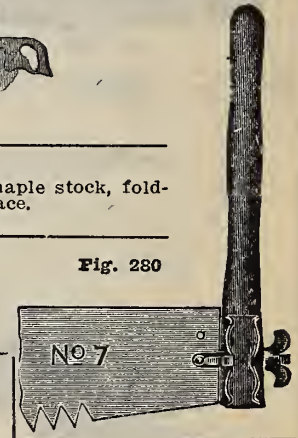
Fig. 280



No. 120
Fig. 281

Wood Saws

No. 120. Our best wood saw. High curved frame. Natural wood, extra thin blade. \$2.25.
No. 103. Stained walnut frame. 1 1/4 in. thin blue blade. \$1.55.
No. 104. Double braced frame. Natural wood 2 3/8 in. blade. \$1.65.
No. 107. Red frame. 2 in. blade. \$1.15.



The Following Is a Partial List of the Large Line of Hand Tools We Carry

IN ORDERING, GIVE NAME, NUMBER AND SIZE

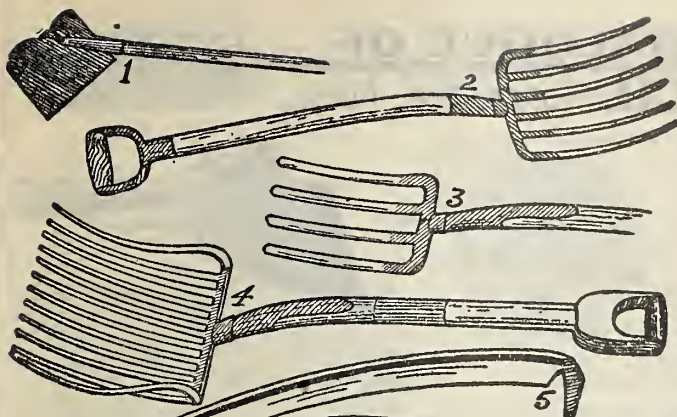


Fig. 1. Hoes.

7½-8 in. Field Socket	\$.95
7½-8 in. Field Shank	.90
8 in. Meadow Socket	1.10
9 in. Meadow Socket	1.15
8 in. Meadow Shank	.95
9 in. Meadow Shank	1.10
Ladies'	.85
Boys'	.90
Square Top Onion	1.00
9 in. Mortar	1.10
10 in. Mortar	1.20

No. 8. Steel Eake.	
12 Tooth, iron	\$.60
12 Tooth, steel	.90
14 Tooth, iron	.65
14 Tooth, steel	.95
16 Tooth, iron	.70
16 Tooth, steel	1.00

No. 9. Rake.	
2X, 3 Bow, Bent	.90
No. 1, 3 Bow, Bent	.80
Lawn Rake, 24 Teeth, XX	1.00

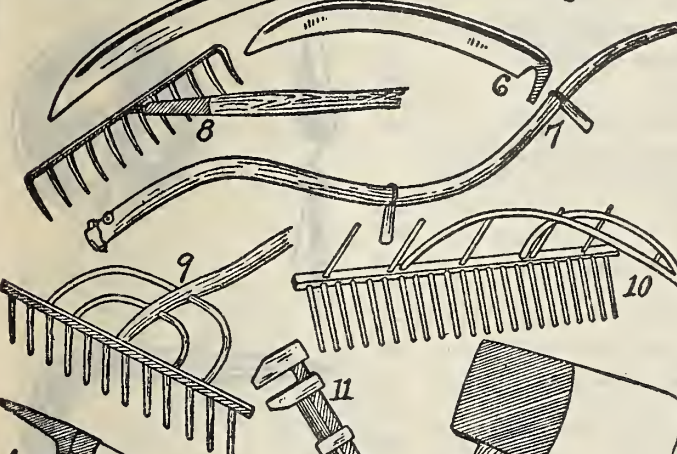


Fig. 2. Manure Forks.

4 Tine, Long Handled, Strapped	1.40
5 Tine, Iron D Handle, Plain	1.65
5 Tine, Wood D Handle, Plain	2.00
5 Tine, Long Handled, Strapped	1.75
5 Tine, Iron D Handle, Strapped	1.75
5 Tine, Wood D Handle, Strapped	2.15
6 Tine, Iron D Handle, Plain	1.90
6 Tine, Wood D Handle, Plain	2.25
6 Tine, Long Handle, Strapped	2.00
6 Tine, Iron D Handle, Strapped	2.00
6 Tine, Wood D Handle, Strapped	2.45

No. 10. Drag Rake	1.75
No. 11. Wrench.	
8 in.	1.15
10 in.	1.35

No. 12. Foster Axe	1.65
Black Jacket Axe	1.75

No. 13. Cant Hooks	2.75
No. 14. Lawn Shears	4.25

No. 15. Grass Shears	\$.035 and .75
No. 16. Lawn Shears	4.50

No. 17. Garden Trowel.	
6 in. Steel	.30

No. 18. Secor Weeder	.12
No. 19. Noyes Weeder	.25

No. 20. Watering Pot.	
4 quart	.75
6 quart	.85
8 quart	1.00
10 quart	1.10
12 quart	1.30
16 quart	1.50

No. 21. Cow Tie.	
3½ feet	.45
4 feet	.50
4½ feet	.55

No. 22. Garden Sets.	
1. 3 pieces, not shown	.25
2. 3 pieces, not shown	.35
4 Piece set, a fine warranted set	2.75



Fig. 3. Spading Forks.

4 Tine, Iron D Handle, Strapped	1.60
4 Tine, Iron D Handle, Plain	1.50
4 Tine, Wood D Handle, Plain	1.85
4 Tine, Wood D Handle, Strapped	2.00
4 Tine, Long Handle, Strapped	1.50
5 Tine, Iron D Handle, Strapped	2.15
5 Tine, Wood D Handle, Strapped	2.60

No. 23. Cattle Card.	
Small card, backed with leather	.35
Small card, backed with cardboard	.25
Large card, backed with cardboard	.30

Fig. 4. Coke Fork.	
10 Tines, 1¼ in. between Tines	2.40
12 Tines, 1¼ in. between Tines	2.80

No. 5. Scythe.		
Clipper	\$1.75	3
Foster, all steel	1.75	3
Solid Steel	1.75	3

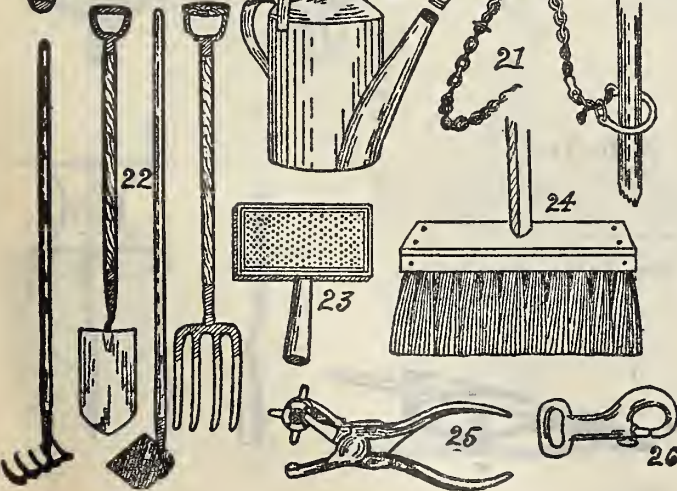
No. 6. Brush-Scythes	1.65	2
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No. 7. Scythe Snath.	
Ash	1.50
Bush Snaths	1.65

No. 24. Rattan Brush Broom.	
5 row, 14 in.	1.25
5 row, 16 in.	1.40
6 row, 16 in.	1.50

No. 25. Revolving Harness Punch.	
4 Tube	1.50
6 Tube	2.00

No. 26. Harness Snaps.	
	\$.05 to .15



FOR PARCEL POST RATES SEE PAGE ONE

ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



A



B



C



D



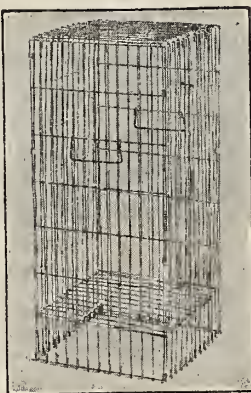
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G
WIRE RUBBISH
BURNERS



H



I



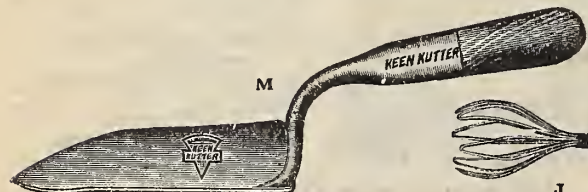
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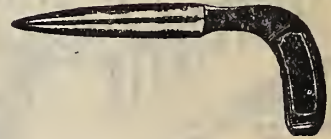
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O



P



Q



R



S



T



U



V

- A. Queen Reversible Wire Lawn Rake with handle. A strong substantial lawn rake for all purposes. Price...\$0.75
- B. Diamond Weeder. Price25
- C. Garden Fork25
- D. Long Handled Steel Garden Trowel50
- E. Hedge Shears 2.25
With notch for heavy work..... 2.50
- E. Short Handled Steel Garden Trowel30
- G. Turf Edger for lining walks, etc.. 1.00
- H. Wire Rubbish Burners.
No. 12, 14x24..... 2.50
No. 13, 17x28..... 3.00
No. 4, 18x34, extra heavy..... 9.30
- I. Folding Wire Rubbish Burner. Knocks down flat, can be put away in a small space.
Small size 4.00
Large size 5.00
- J. Peerless Fruit Picker..... .50
Handle50
- K. Steel Grafting Chisel..... 1.00
- L. Hazeltine Hand Weeder. Price... .30
- M. Solid Steel Garden Trowel with offset shank. Price..... .90
- N. Sunnyside Hoe. The best strawberry hoe. Price..... 1.00
- O. 6-in. Cheap Trowel. Price..... .18
- Q. Cast Dibble. Price..... .75
With wood handle..... .75
- R. Weeding Hook, 3 tine. Price.... .75
- S. Cotton Gloves for Garden Work. Per pair25
- T. Bouquet Holder, Iron.....\$0.65; .75
Tin, painted green..... .15
Glass, with holder..... .90
- U. Asparagus Knife. Price..... .50
- V. Garden Reel.
200 ft. capacity..... 2.85
300 ft. capacity..... 3.85
Garden Line, 96 ft..... 1.00
- W. Arlington Slide Hoe.
6 in. 1.50
7 in. 1.50
8 in. 1.50
9 in. 1.65
10 in. 1.75

Multi-Tool

P. This tool comprised of 5 distinct tools has a ball and socket joint on the head. Tools are instantly angled to suit any condition. Market gardeners in general are highly elated over this tool.

Every tool warranted.
Price, \$3.75 each.



EVERYBODY KNOWS ROSS SEED GROWS



Burlap Hotbed Mats



Fig. 282

Made of burlap filled with hair felt, 76x76. Preferred by many market gardeners to the straw mats. Each, \$3.25.

Celery Bleaching Paper



Fig. 283

This picture shows method of handling R. & D. Bleacher. No heavy boards to carry or dirt to shovel. A Bleaching material that saves TIME, LABOR, MONEY. An improvement over boards and other bleaching material.

Rolls are 10 inches and 12 inches wide. Rolls contain 100 feet and weigh only 30 pounds. 10 inch (100 running feet), per roll, \$3.25

A Tasteless, Odorless, Indestructible Waterproof material especially prepared to withstand extremes of heat and cold. Price includes wires or arches.

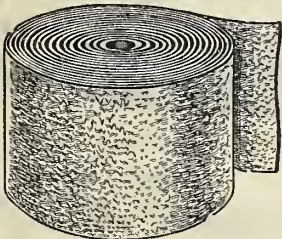


Fig. 284

Richmond Plant Tub

Painted, green rd. wire hoops.

No.	Top Dia.	Bottom Dia.	Depth	Weight, lbs.	Price
1	6	5	6	1	\$0.75
2	6	5	7	1 1/2	.85
3	8	6	8	2 1/2	1.00
4	9	7	9	3 3/4	1.10
5	10	7 1/2	9	3 3/4	1.25
6	11	8 1/2	10	4	1.40
7	12	9	11	4 1/2	1.85
8	13	10	12	5 1/2	2.25
9	14	11	13	7	2.50
10	15	11 1/2	14	8	2.65
11	16	12 1/2	15	9	3.00
12	17	13 1/2	16	12	3.50

Fig. 285

A. B. C. Plant Protector



Fig. 286

This illustration shows the A. B. C. Tanned Felt Pad used to protect Cabbage, Tomato and other plants from cut-worms, maggots and insects that will destroy plants. Easy to apply. They lie on the top of the ground and can be used either for outdoor or greenhouse use. Excellent for protecting Cabbages from cut-worms. Especially adapted for Cabbage and Tomato outside. They will save practically the entire crop of Cabbage if used at the time plants are set. The cut-worms and other insects do not like the smell. Only the best tanned felt is used and great care is taken to accurately cut the pads so no defects will allow the fly to deposit the egg, which does the damage. Packed 1,000 in good strong fibre box.

Price: 1,000 \$2.50
25,000 lots..... \$2.25 per 1,000

Plant Trellises

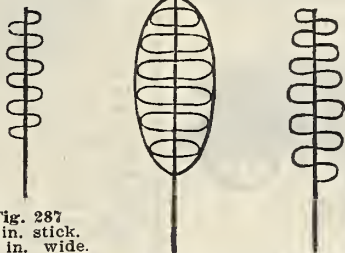


Fig. 287
20 in. stick,
3 1/2 in. wide.
Doz. \$2.50

Fig. 288
24 in. stick,
7 1/2 in. wide.
Doz. \$7.00

Fig. 289
24 in. stick,
5 in. wide.
Doz. \$3.50

Plant Sticks

For pot or garden use; square, painted green.

Length	Each	100
1 ft.	\$0.02	\$1.80
1 1/2 ft.	.02 1/2	2.00
2 ft.	.04	3.50
2 1/2 ft.	.06	5.00
3 ft.	.08	7.00
3 1/2 ft.	.10	8.50
4 ft.	.12	11.00
5 ft.	.18	16.00
6 ft.	.20	18.00

VERANDA TRELLIS

High	Wide	Each
6 ft.	18 in.	\$2.75
8 ft.	18 in.	3.75
10 ft.	20 in.	4.75
12 ft.	20 in.	5.50

BAMBOO STAKES
50c doz.; \$2.50 per 100.



Fig. 291

"Peerless" Glazing Points

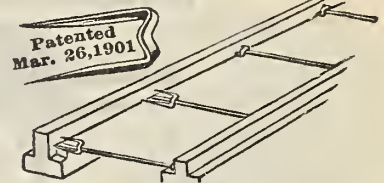


Fig. 292

PEERLESS GLAZING POINTS. Improved Van Reyper. Per box, 1,000 points. 90 cts.



Fig. 293

Tomato Supports

34 in. high, 20 in. in diameter at the top.

Price, 30 cts each, \$3.50 per doz.

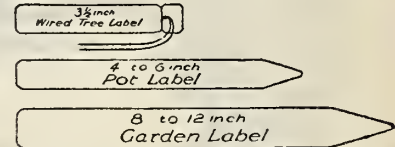


Fig. 294

Tree Labels

Copper Wire, 3 1/2 in. Per 1,000.....\$3.00

Pot Labels

4 in.	100	1.00
6 in.	\$0.20	\$1.85
	.25	2.85

Garden Labels

8 in.	100	1.00
10 in.	\$0.85	\$7.50
	1.00	9.00

Hot Bed Sash

Fig. 295

3x6x1 1/2 in., with sides projecting, glazed with thick glass painted two coats, \$6.50 each; in lots of 6, \$75.00 doz.; in lots of 25 or over, \$70.00 doz.

Can furnish unglazed sash in quantities at short notice. Ask us for price; we only carry glazed in stock.



Straw hotbed mats (not shown) 6x6, each, \$2.75.



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Garden Wheelbarrow 3 SPOKE WOOD WHEEL

These Wheelbarrows are made specially for us, are well constructed throughout, of hard wood and strongly ironed. Finished with two coats of paint and one coat of varnish. This is the best garden barrow on the market. Price, \$7.50.

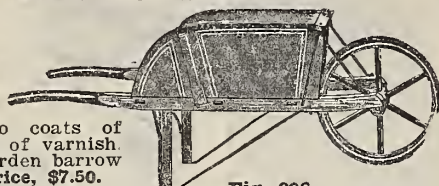


Fig. 296

Tubular Steel Barrow

Tubular steel barrow, with pressed steel bowl, and steel frame; double braced and made for heavy work. 3 cu. ft. Price, \$9.75 each.



Fig. 297

Wood Dump Barrow



Fig. 298

Without doubt the most durable dump barrow on the market. Either wood or steel wheel. Price, Steel Wheel, \$4.75 each.

Wood Wheel, \$4.50

Contractor's Angle Leg Barrow

The very best all-round contractor's barrow made. Tray pressed from one solid piece, 29x36 at top. Frame of hardwood and thoroughly braced and bolted. 16 in. steel wheel; tire, 1 1/4 x 1/8; 5/8 in. axle. Heavy rod rolled in edge. Wt. 825 lbs. per doz. Each, \$9.50.



Fig. 299

Picks, Mattocks, Shovels



Fig. 300

No. 7 Contractors' Picks \$1.25
No. 8 Contractors' Picks 1.25
No. 9 Contractors' Picks 1.40
No. 6-7 Railroad Picks 1.00
No. 7-8 Railroad Picks 1.00
Long Cutter Mattocks 1.25
Pick Mattocks 1.25
Bog Hoes 1.00



Fig. 301

Steel Bars

Each Pound
Wedges \$0.12
Crow Bars .12

The Worcester Shovel

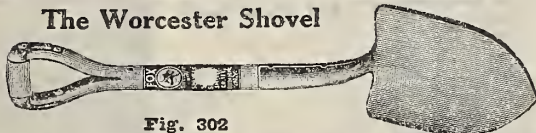


Fig. 302

CONSTRUCTION—The blade and socket are forged and rolled from one solid blank cut from a bar of High Carbon Steel.

In these blades there is no opening for water or moisture to gather and so rust and weaken the blade where strength is so essential. The solid construction gives great strength and provides for stress and strain where it is most required.

The Worcester Shovels are the only Shovels and Spades which can be readily and easily rehandled. The lift or bend in our shovel is all in the Solid Steel Shank and not in the wood handle.

No. 2 D. Handle Round \$1.65
No. 2 D. Handle Square 1.65
No. 3 D. Handle Round 1.70
No. 3 D. Handle Square 1.70
No. 2 L. Handle Round 1.65
No. 2 L. Handle Square 1.65
No. 2 L. Spades 1.75

For Contractors' Use, we sell mostly the No. 3 Black.

Eureka Stump Puller and Rock Lifter



This is by far the simplest and most efficient device on the market for pulling stumps, lifting stones and handling heavy bodies, and will be found very useful. No. 2, weight 26 lbs., capacity 6 tons, \$22.00. No. 3, weight 32 lbs., capacity 8 tons, \$24.00. This price includes the metal part only.

Fig. 303

Cast Iron Boat Head

32 in. wide.

The illustration below shows a simple device whereby a stone-boat can be made in a few minutes by using a straight plank with the addition of the Iron Head. Anyone in need of a stone-boat will readily see how easy it is done, and as one head will last for years, it is not only cheap, but durable.

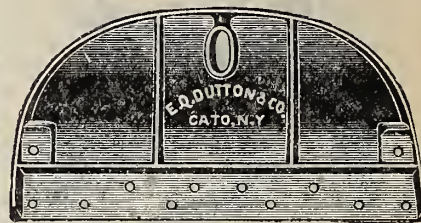
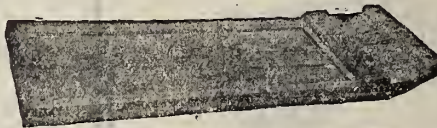


Fig. 304

Price, \$6.50; Bolts, 25 cts. per set.

All Wood Boat



BOAT COMPLETE

7 ft. long.

All Wood, \$12.00

Fig. 305

KNOT CLIPPER AXES

2 3/4, 3, 3 1/2, and 3 3/4 lbs. Absolutely guaranteed. \$1.35 each.

Handled with extra 28-inch handle, \$2.25.

Double Bit, \$2.25.
Double Bit Handled, \$2.50.

FOSTER AXES

Black, Scratch finish. Price, \$1.65.

BLACK JACKET

Ebony natural finish. Price, \$1.75.

BOYS' HANDLED AXES

26-inch. Price, \$1.50.

HOUSE AXES

Price, \$1.50

BOY SCOUT AXES

Price, \$1.50



Fig. 306



EVERYBODY KNOWS ROSS' SEED GROWS



List of Standard Pots, Pans and Saucers

Inside measurement, width and depth equal

In.	POTS			SAUCERS			BOTH		
	Ea.	Doz.	100	Ea.	Doz.	100	Ea.	Doz.	100
3	\$0.05	\$0.35	\$ 2.50	\$0.05	\$0.30	\$ 2.35	\$0.08	\$0.60	\$ 4.35
4	.07	.55	4.00	.05	.35	2.95	.10	.80	6.25
5	.10	.95	7.00	.05	.50	3.90	.13	1.25	9.85
6	.12	1.25	10.00	.07	.70	5.85	.17	1.75	14.00
7	.20	2.25	17.50	.10	.95	7.80	.25	2.75	22.00
8	.30	3.25	25.00	.12	1.75	10.72	.37	4.00	32.00
9	.40	4.25		.18	1.80		.52	5.50	
10	.60	6.25		.20	2.25		.75	7.50	
11	1.00			.25			1.15		
12	1.25			.28			1.35		
13	1.35			.35			1.55		
14	1.75			.45			2.00		
15	2.75			.55			2.85		
16	3.90			.75			4.20		



Fig. 307



Fig. 308

BULB PANS

	Each	Doz.	100
6 inch.....	\$0.15	\$1.50	\$10.50
7 inch.....	.25	2.25	17.50
8 inch.....	.35	3.50	25.00
9 inch.....	.50	5.00	39.00
10 inch.....	.60	6.00	52.00
12 inch.....	1.00		
14 inch.....	1.75		

The Box That Makes the Plant Grow

GALVANIZED STEEL WINDOW BOX, painted green with water receptacle—an ornament to any house. Also used with best of results in the cemetery or for Living Bouquets. 30 in. long, 8½ in. wide and 6¼ in. deep.....\$1.75



Fig. 309

GALVANIZED STEEL PLANT TUBS, built on the same principle as the Galvanized Steel Window Box, with water receptacle. Can also be hung from the ceiling and makes a very attractive hanging pot.

10 in. square, 7½ in. deep.....	\$1.25
12 in. square, 8¼ in. deep.....	1.75
14 in. square, 10¼ in. deep.....	2.50

Neponset Waterproof Paper Flower Pots

These pots are nested and packed in cases of 1,000 each, except 4, 5 and 6 inch sizes, which are put up in cases of 500 each.



Fig. 310

	Wt. per 1,000 lbs.	100	1,000
2¼ inch pots.....	12	\$0.50	\$ 3.60
2½ inch pots.....	16	.60	4.15
3 inch pots.....	24	.75	5.65
3½ inch pots.....	34	.95	7.30
4 inch pots.....	46	1.25	9.20
5 inch pots.....	74	2.00	14.25
6 inch pots.....	102	2.50	19.00

Dietz Lanterns



Fig. 311

"LITTLE WIZARD" (Cold Blast). 11½ in. "Little Wizard" Loc-nob Globe. 6 C. Power. Burns 18 hours. Bright tin. Price, \$1.00

With brass top and fount, \$1.50.



Fig. 315

"MONARCH." 13½ in. high, ¾-inch wick. "Fitzall" (No. 0) Globe. 4 C Power. Burns 19 hours. Bright tin. Price, 95 cts.

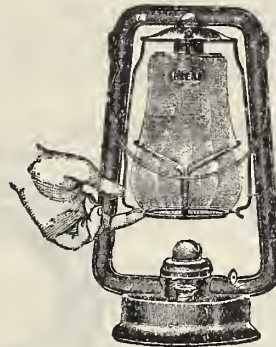


Fig. 312

"HY-LO." 13½ inches high. ¾-inch Wick. "Fitzall" (No. 0) Globe. 4 C. Power. Burns 20 hours. Bright tin. Price, 95 cts.



Fig. 316

"JUNIOR" WAGON, with Ruby Rear Signal (Cold Blast). 12 inches high. ¾-inch Wick. "Junior" Globe. 10 C. Power. Burns 13 hours. Black enamel finish. Price, \$1.75.

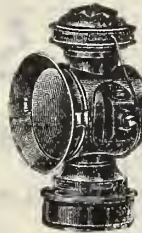


Fig. 318

"EUREKA" DRIVING, with Ruby Rear Signal (Hot Blast). 7¼ inches high. ¾-inch Wick. Plain Lens—3 C. Power. Optical Lens—5 C. Power. Burns 10 hours. Black enamel finish with nickel-plated door rim. Price, \$1.85

Butter Jars and Covers



Fig. 314

The ideal package for keeping butter and putting down eggs in water glass; also fruits and vegetables.

1 gal....	\$0.75	5 gal....	\$2.25
2 gal....	1.00	6 gal....	2.50
3 gal....	1.50	8 gal....	3.00
4 gal....	2.00	10 gal....	4.00

Lantern Globes

Patent "Loc-Nob"
A globe that actually locks fast and will not fall out when the globe holder is tipped back. No. 0 Globe 20 cts. Ruby Globe, 40c.

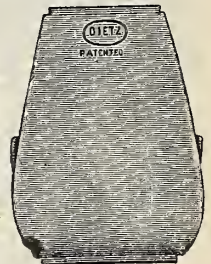


Fig. 317



Fig. 318

1 qt., 25 cts.; 2 qt., 30 cts.; 3 qt., 35 cts.; 4 qt., 40 cts.

Bean Pots With Cover



Ornamental Lawn Fence

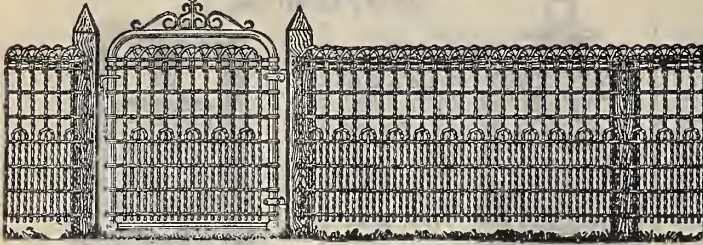


Fig. 319

The above cut shows style 600 with the following specifications: Upright or picket wires are No. 9, heavily galvanized, spaced 2 3/8 inches apart at top with an additional No. 9 galvanized picket interwoven so as to give an extra close spacing of 1 3/8 inches at the bottom.

Per foot, 13 cts. Per roll, 330 feet, 17 cts. per foot.

We also carry style No. 100 with the following specifications: Upright or picket wires are No. 9, heavily galvanized, spaced 2 3/8 inches apart. Cable line wires are No. 12 1/2, heavily galvanized, spaced 6 inches apart, except the two top cables which are 2 3/8 inches apart.

Both fences 42 inches high.

Per foot, 16 cts. Per roll, 330 feet, 15 cts. per foot.



Fig. 320

Garden Hose

BULL DOG HOSE (Pictured above). For the very best hose that it is possible to buy, we recommend the Bull Dog manufactured by the Boston Woven Hose and Rubber Co. A 7-ply hose unconditionally guaranteed by the manufacturers. Is made of the best quality of materials which makes it last.

TIGER HOSE, 6-ply, and for general purpose a very fine piece of goods. Warranted.

LEADER HOSE, 5-ply.

COTTON HOSE, a dried, clean hose which is used not only for service but to beautify a green lawn.

SPRAY HOSE. The Bull Dog Spray Hose is made equally as well as the Bull Dog Garden Hose, built up to stand pressure up to 300 lbs. to the square inch. The inner core is made of especially prepared rubber to take care of the acids used in spraying, such as Scaleside, Lime of Sulphur, Arsenates, etc. Per foot, 20 cts.

TIGER SPRAY HOSE. Where hand power is used a very economical hose for this purpose. Price, per foot, 15 cts.

Both of these spray hose come in 1/2 inch size, not coupled. In using with power it is quite necessary to have longer tail couplings which are supplied extra at \$1.25 per coupling.

Brand	Wt., lbs. per 25 ft.			Ply	Price, cts., per ft.		
	1/2"	3/4"	1"		1/2"	3/4"	1"
Bulldog ...	10	9	7		20	15	15
Tiger ...	6	9	6	13			
Goodluck ...	6	9		14			
Leader ...	6	9	5	11 1/2		13 1/2	
Cotton ...	7	10		13		15	

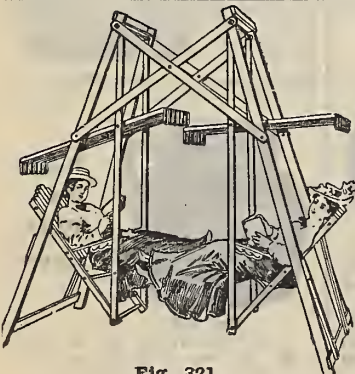


Fig. 321

Worcester Lawn Swing

Four Passenger

The Worcester Lawn Swing is made of selected hard wood, thoroughly seasoned. The standard is made of 4 posts, 2x3 inches, firmly braced and screwed together and is painted vermilion red before varnishing, the rest of the swing being varnished in the natural color of the wood. The platform has four full braces. The swing hangs on steel rods by steel hangers and may easily be removed from the standard and packed for shipment or storage.

Size Open—8 feet high, 5 feet wide, 9 feet spread.

Price, \$12.00 each.

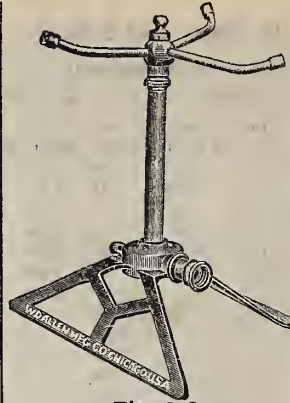


Fig. 322
CYCLONE LAWN SPRINKLER

12 inches high, made in fine workmanship manner. Lasts a life time. Price, \$2.25.

THE RING LAWN SPRINKLER

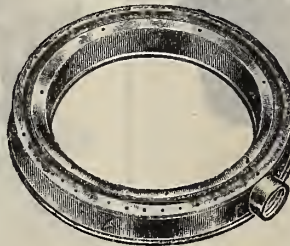


Fig. 326

Our "Ring" Lawn Sprinkler is made entirely of sheet brass and stamped into the form shown. Measures about 8 inches in diameter. The "Ring" throws a fine mist; covers a large circle and can be conveniently moved about without shutting off the water. Cannot be forced apart even under the heaviest pressure. Weight, 1 lb. Price, 75 cts.

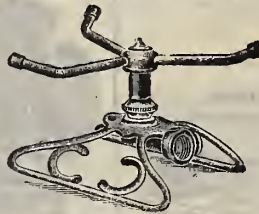


Fig. 327

REVOLVING LAWN SPRINKLER

6 1/2 in. high, low down, does not vibrate. Polished brass arms and head. japanned base. Price, \$2.25.

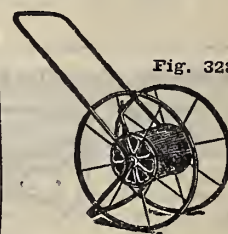


Fig. 328

TUBULAR METAL HOSE REEL

The most durable reel made. Holds 100 feet of hose.

Price, \$3.00



Fig. 323

COOPER HOSE MENDER. (All brass.) 1/2 in. and 3/4 in., 8 cts. each; 75 cts. doz.



Fig. 324

SURE GRIP HOSE BAND. 1/2 in. and 3/4 in. 3 cts. each; 2 for 5 cts.



Fig. 325

PERFECT ALL BRASS CLINGING HOSE COUPLING. 35 cts. set. Menders, 10 cts. each. Put it on hose and hammer it in place.

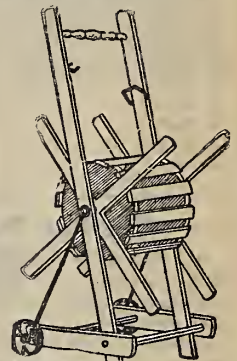


Fig. 329

A handy and well-made Hose Reel, mounted on wheels, can be easily moved from one place to another. Hose should always be wound on a reel, as it prevents it from rotting. Price, \$1.25.

Rain King Lawn Sprinkler

Different from any other sprinkler made. Any combination of sprays—circular, stationary, fine, coarse, large or small. Takes care of them all. Nozzles turn in any direction. Will throw a spray from 8 to 70 feet long, diameter according to pressure.

Price, \$3.50

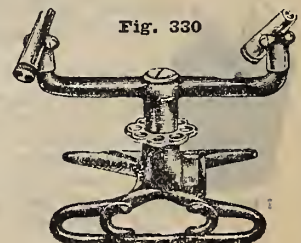


Fig. 330



EVERYBODY KNOWS ROSS' SEED GROWS



The **Ideal Power Lawn Mower** fills a long-felt want, for it works on an entirely different principle from most power lawn mowers. The cutting cylinder operates entirely independent of the truck, as the mower is pushed the same as any hand mower and is as near fool-proof as any machine can be. Other methods of operating have proven themselves a failure. Experience has taught us that the obstructions which the mower will pick up on the lawn break under the old method where the cutting reel is driven direct. This cannot occur with the Ideal operated, as it is without any chain or gear connection with the mower.

Specifications—Width cut, 30 inches; diameter mower wheel, 11 inches; number of cutting blades, 5; weight, 610 pounds; diameter roller, 14 inches.

Price, \$375.00; extra cutting reel, \$60.00; riding attachment, \$25.00.

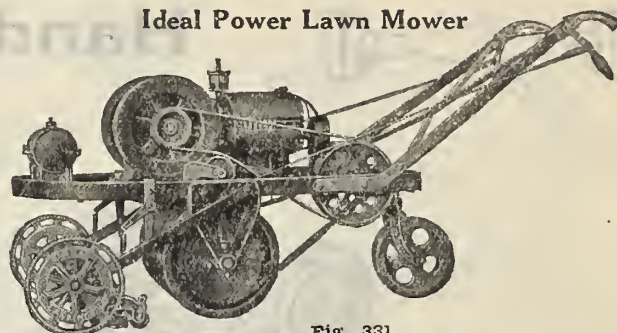


Fig. 331
Ideal Power Lawn Mower

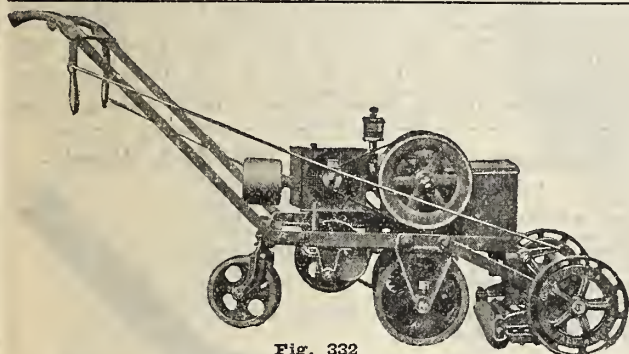


Fig. 332

Ideal Junior Lawn Mower

The Ideal Junior will nicely care for two or three acres of grass and will prove a paying investment in caring for lawns as small as 150 to 200 feet square. It is a machine especially well adapted to the work in cemeteries.

Price, \$255.00; extra cutter, \$40.00.

Junior Specifications—Diameter of Drive Roller, 10 inches; corrugated rollers; width of cut, 22 inches; diameter of drive wheel, 10½ inches; number of blades, 5.

The Ideal Tractor Triplex Mower

For maintaining Golf Courses and to get all the full enjoyment out of the game, a carefully kept fairway is very necessary. This mower is especially adapted for cutting large areas of land.

Tractor can be detached from mower and used for hauling light trailer for moving goods.

Traction is secured by the corrugated steel wheel designed to give a grip on a smooth lawn without injury to the grass. Each cutting unit operates independent of the other. It cuts a path 84 inches wide. Is fitted with 4 cylinder, 15 H. P. engine. **Price, \$1,300.00.**

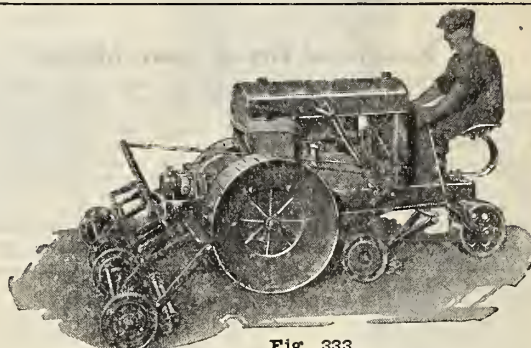


Fig. 333

The Townsend Triplex Golf Mower

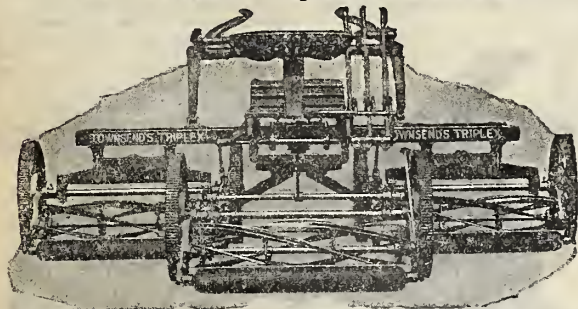


Fig. 334

Here is a mower much lighter than the ordinary horse lawn mower, but which cuts three times as wide a swath. One man and one horse, with a Triplex, will cut more grass in a day than three men and three horses with three ordinary lawn mowers, thus saving the wages of two men, the cost of two horses and the cost of their care and keep. **Price, \$425.00; extra unit, \$115.00.**

Bieder Adjustable Grass Catcher

Gathers grass without the use of a rake and without time or labor. Made of best striped canvas on a galvanized frame. They are adjustable in height and width, to fit all sizes and makes of mowers.

No. 7 fits all Low Wheel Mowers 18 in. and smaller. **Price, \$1.50.** Weight, 2 lbs.

No. 13 fits all High Wheel Mowers 24 inches and smaller.

Net Price, \$2.00. Weight, 2 lbs.



Fig. 335



Hand Lawn Mowers

The Knollwood Jr. Ball Bearing High-Wheel Spade-Handle Lawn Mower

We offer our customers this machine, not as an experiment, but as a guaranteed article, one that we have tested ourselves during the past 10 years, and know what we are talking about. This machine runs on ball bearings (and all first-class machines ought to). The balls are of the very best quality and will last for years. They are enclosed in steel cups, which protect them from wear. The main axle is steel and lathe fitted and is adjusted as nice as any high-priced piece of machinery. The end of the axle where it comes in contact with the balls is cone-shaped, and any possible wear can be easily taken up. The machine has a nine-inch wheel, four knives of the best quality of steel and, last but not least, a handle that is made to fit your hands. See the spade handle (in cut). After giving you the best mower it is possible for us to get, we have put on it a handle we have been looking for. With this Spade Handle the operator has perfect control over the machine and can handle it perfectly on a side hill or on narrow borders. We agree to take back any machine that is not satisfactory after a fair trial. This machine is the best one on the market for private homes; it is especially adapted for parks, cemeteries and large lawns.
 14-inch, \$13.50; 16-inch, \$14.65; 18-inch, \$15.75; 20-inch, \$16.90

Knollwood Jr.

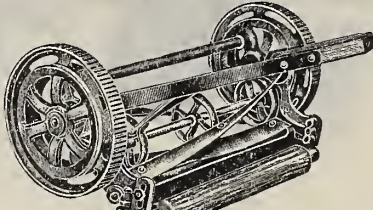


Fig. 336

Knollwood Grand

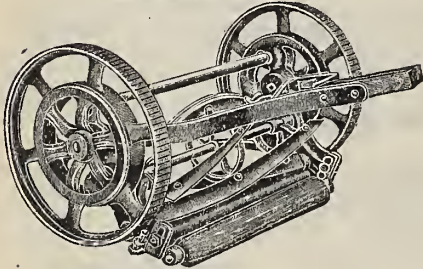


Fig. 337

Knollwood Grand Lawn Mower

To our already complete line of lawn mowers we have added one additional, known as Knollwood Grand. This is an improved type of Knollwood Jr., which we have sold for the last 10 or 15 years. This mower has a 1-inch higher wheel, or an 11-inch wheel, with extra blade. Where anybody wishes their lawn cut very close, we think this is a decided advantage. Every mower is guaranteed and should it prove otherwise we will refund your money or supply you with another machine. We will make the customer absolutely satisfied. This guarantee is given not only by ourselves but by the manufacturers.

Price: 16-inch, \$16.50; 18-inch, \$18.00; 20-inch, \$19.50

The Capitol Lawn Trimmer

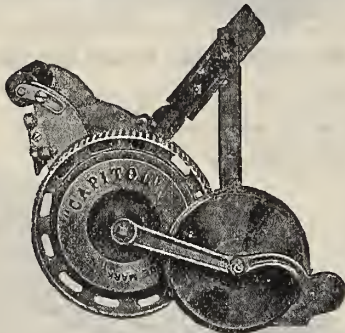


Fig. 338

The Capitol Lawn Trimmer and Edger does what lawn mowers leave undone. It trims and edges your lawn with remarkable speed and perfection; the shield over the blades protects the flowers. A trial will convince you, as it has thousands of others, that the day of shears, clippers, etc., is past. Four crucible steel blades, six inches in length, tempered in oil, swivel bushings, double adjustment.

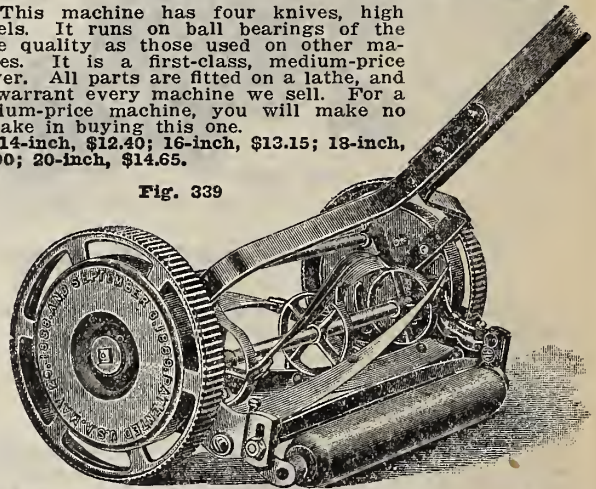
Price: Plain, \$10.00; Complete with Edger, \$11.00

Rossmoyne Lawn Mower, Nine-Inch Wheels

This machine has four knives, high wheels. It runs on ball bearings of the same quality as those used on other machines. It is a first-class, medium-price mower. All parts are fitted on a lathe, and we warrant every machine we sell. For a medium-price machine, you will make no mistake in buying this one.

14-inch, \$12.40; 16-inch, \$13.15; 18-inch, \$13.90; 20-inch, \$14.65.

Fig. 339

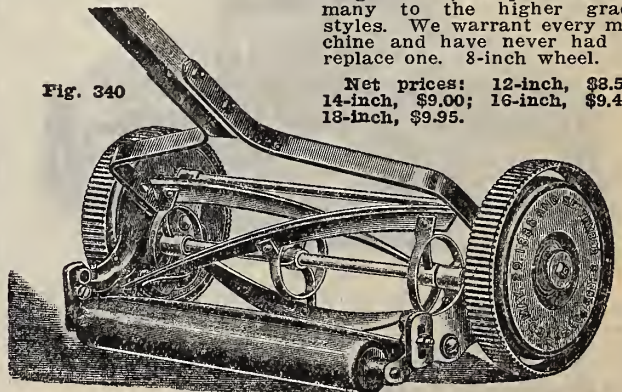


The Little Giant Lawn Mower

For the benefit of those who want a low-priced mower or those who have but a small amount of grass to cut, we offer this machine, and we think we are safe when we state that it is as good as one-half of the mowers sold as high-grade machines and, being a light-running mower, is preferred by many to the higher grade styles. We warrant every machine and have never had to replace one. 8-inch wheel.

Net prices: 12-inch, \$8.50; 14-inch, \$9.00; 16-inch, \$9.45; 18-inch, \$9.95.

Fig. 340



EVERYBODY KNOWS ROSS' SEED GROWS

For the first time in many years great improvements have been made in strawberry baskets. We offer the new metal rim basket at a less price than the old-style basket. The principal advantages of this metal rim basket from the old-style are:

Saving of 60% in storage.
No sharp or rough points from stapling or tacks.



1-8. 3-1
Pack in crates much easier; rims do not catch each other.
Show more surface on top and give fruit better appearance.

Every basket made accurate and same size.

Weigh about one-half as much as the old-style basket.

Each crate contains 2,000 baskets.
Price, \$9.25 per M.

14-QT. MASS. STANDARD PEACH BASKET

Each stave on the basket is secured to the hoops by 6 double pointed staples, which makes the basket much more rigid.

Per 100. \$ 7.50
Per 1000. 70.00

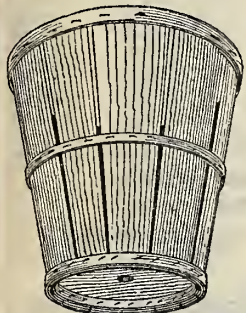


Fig. 342

FOUR-QUART PONEY BASKET

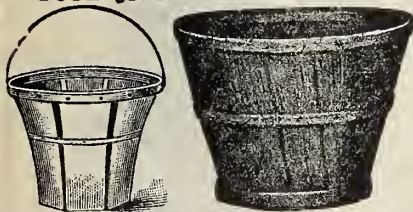


Fig. 343

4-qt. with wooden bottom. 100, \$7.50; 1,000, \$65.00.

(For Retail and Roadside Trade)
WIRE BAIL ROADSIDE BASKETS
4 qt. Per 100, \$8.50; per 1,000, \$73.00.

BAMBOO GROCERS' DELIVERY

Extra Heavy Fig. 344



(With Block)

No.	Size	Dimensions	Price
1	1 pk.	18x11x6	\$1.00
2	1/2 bu.	20x12x6 1/2	1.10
3	3/4 bu.	22x14x7	1.15
4	1 bu.	24x14x9	1.35
5	1 1/2 bu.	25x18x10	1.50

OAK MARKET BASKETS

(With Wood Handle)
Same dimensions and prices as above.

BERRY BASKETS

All white. \$9.75 per 1,000; 10,000 lots, 25 cts. less per 1,000. Close corner (for blueberries), \$10.25 per 1,000.

Oval pints, \$9.25 per 1,000.

FOUR-QUART VIRGINIA TILLS
For roadside containers. Per 100, \$2.60; per 1,000, \$25.00.



Fig. 345

OXFORD OAK BASKET



Fig. 346

1 bushel, as above \$1.00
1/2 bushel, drop handle35
1/4 bushel, drop handle75

These baskets are very close, will almost hold water. A very serviceable basket, and the 1/2 bushel is the best basket for picking peaches, as it does not bruise the fruit.

WET WASH CLOTHES BASKET

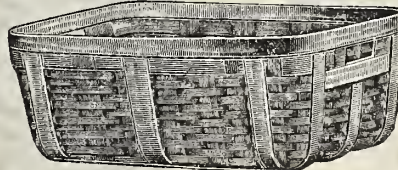


Fig. 347

No.	Dimensions	Price
2	25x16x10	\$1.55
3	27x18x10	1.75
4	30x20x11	2.00
5	32x22x12	2.40

ROUND CLOTHES BASKET

Each, 90 cts.

DIAMOND MARKET BASKET

A cheap all round basket; good for everything; indispensable in every household. 18 cts. each, \$1.65 per doz.

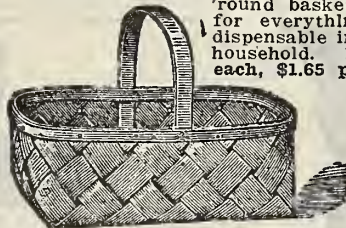


Fig. 348

VERBENA AND PANSY BASKET

With Wire Handle. Used largely for pansies. 100, \$2.50; 1,000, \$23.50.

Special prices in 25M lots.

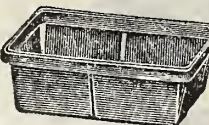


Fig. 349

FOUNDED ASH BASKET



Fig. 350

Hand made baskets. Made of pounded ash, all clean white stock. Will outlast the common machine made baskets. Order one of these baskets and be convinced you are getting the best basket in the market at the present time.

Prices:
1 bushel \$1.75
1/2 bushel (drop bail) 1.40
1/4 bushel (drop bail) 1.10



Fig. 351

STRAPPED BUSHEL BASKET

Size	Price
4 bu.	\$3.25
3 bu.	2.75
1 1/2 bu.	1.60
2 bu.	2.00
1 bu.	1.35

Fig. 352

WOVEN PICKING BASKET

1/4-bushel drop basket.

Each, \$1.35

Fig. 353



COVERED LUNCH BASKETS

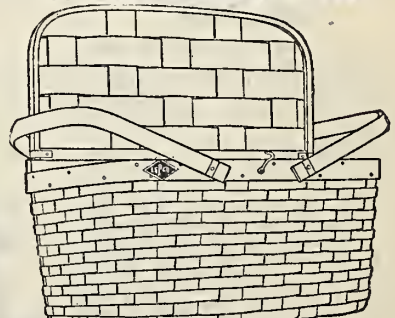


Fig. 354

1	9x6x5	\$0.65	4	14x 8x6	\$0.90
2	10x7x6	.75	5	16x 9x7	1.05
3	12x8x6	.80	6	18x10x8	1.20



ANNUAL CATALOGUE OF ROSS BROS. CO. WORCESTER, MASS.



Worcester Senior Cider Mill

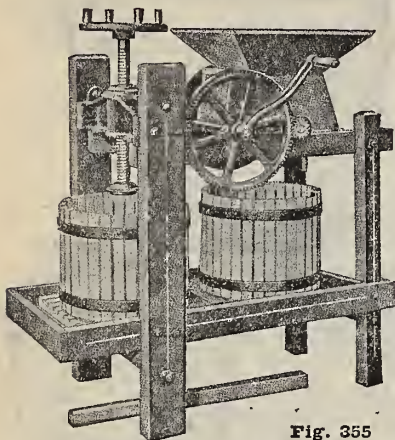


Fig. 355

fruit. Capacity, 6 to 12 bbls. of cider per day. Weight, 330 lbs. Price, \$48.00.

5% Discount for Cash

MEDIUM AND JUNIOR MILLS

Absolutely forced feed, constructed in a heavy manner, frame strongly bolted together.

These mills, as in other Worcester Mills, have a grinding cylinder which consists of a hardwood cylinder with steel knives, which makes the best possible cutter and grater. No iron comes in contact with the fruit, which does not discolor the cider.

Both the Junior and the Medium Mills are built on the same principle as the Senior Mill Pictured above and are guaranteed absolutely satisfactory in every way, both by the manufacturers and ourselves.

The Medium is furnished with two tubs 12 3/4 x 14 1/2; capacity, 4 to 6 bbls. per day. Weight, 215 lbs. Price, \$34.00.

5% Discount for Cash

The Junior mill with two tubs 10 1/2 x 11; capacity, 2 to 4 bbls. per day. Weight, 155 lbs. Price, \$28.50.

5% Discount for Cash



Fig. 356

Stone Jugs

1 gal.	\$0.30
2 gal. ....	.60
3 gal. ....	.90
5 gal.	1.50

Worcester Special Cider Mill

A first class single tub cider and wine press.

Frame is hardwood, working parts best grade of iron and steel with 1 1/2-in. steel press screw.

Fitted with large balance wheel, making it run easy. Size of tub, 10 1/2 in. high by 11 in. diameter.

The Special Mill has the "Positive Force Feed" grinder, as have the other Worcester line of mills, wood cylinder, which does not discolor the fruit; capacity, 1 to 2 bbls. of cider per day. Weight, 130 lbs. Price, \$24.50. 5% discount for cash.

All the Worcester Mills can be furnished with pulley for power at a slight additional expense.

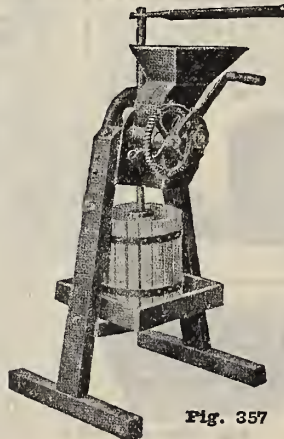


Fig. 357

Worcester Fruit Presses

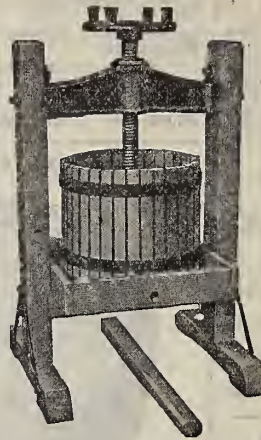


Fig. 358

We carry a full line of fruit presses as shown in the accompanying illustration. The Nos. 4, 5 and 6 presses are similar to the Nos. 2 and 3 illustrated, with the exception it has an iron cross head. The No. 1 is a smaller press, having V shaped standards, but with no top wheel, simply a heavy press screw with a square top with a strong lever for turning this screw.

This illustration shows Nos. 2 and 3 Presses.

No.	Height	Diameter	Weight	Price
No. 1	10 1/2 inches	11 inches	60 lbs.	\$11.25
No. 2	10 1/2 inches	11 inches	55 lbs.	13.25
No. 3	12 3/4 inches	14 1/2 inches	95 lbs.	16.50
No. 4	10 1/2 inches	11 inches	60 lbs.	15.00
No. 5	12 3/4 inches	14 1/2 inches	105 lbs.	18.50
No. 6	13 3/4 inches	16 3/4 inches	170 lbs.	26.25

5% Discount for Cash

Worcester Oak Kegs and Barrels

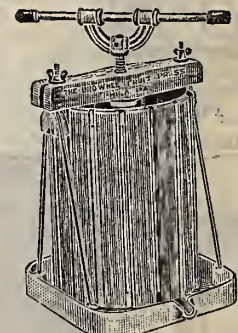
(Paraffined)

The Brownee



Fig. 359

New Kegs, every one warranted O.K.



Fruit Press
Fig. 360

The Brownee Fruit Press is easy to take apart, easy to clean and the operation of pressing fruit thoroughly can be performed with very little effort and absolutely no waste. Price, \$5.00.

	Each
5 gal.	\$1.95
10 gal.	2.65
15 gal.	3.05
20 gal.	3.40
25 gal.	3.85
30 gal.	4.25
50 gal.	5.25

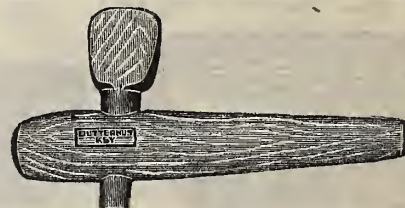


Fig. 361

Butternut Key Faucets

8 inch. Price each. \$0.25

Metal Key Faucets

8 inch. Price each. \$0.40
9 inch. Price each.45

Detachable Metal Key Faucets

8 inch. Price each. \$0.50



EVERYBODY KNOWS ROSS SEED GROWS ICE TOOLS



The Worcester Dairy Ice Plow

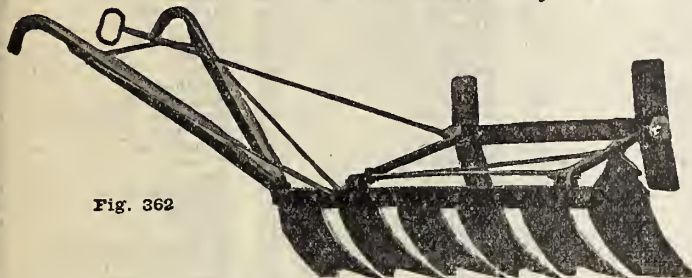


Fig. 362

These plows are manufactured especially for dairymen, farmers, butchers, country estates who wish the best possible tools for their use. Has five cutting teeth, one Clearer tooth. Will cut 2 inches at a time to a depth of 8 inches. Are guaranteed to give satisfaction. 8-inch Plow with adjustable guide and case, \$50.00.

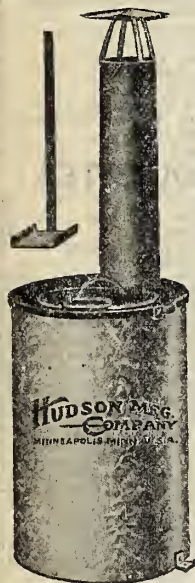


Fig. 363

Zero Tank Heater Galvanized Steel

This is a very popular type and very reasonable in price. Just the heater for small tanks and the stock raiser with only a few head of stock. It is made of No. 20 gauge galvanized sheet steel. Has cast top, galvanized steel bottom riveted and soldered. The grate is in two sections, the front resting on two legs. Grate and draft pipe can be taken out through the top. Furnished complete with shovel, one length of pipe, spark arrester and anchor bolts.

Diameter 15 in.
Height 24 in.
Weight 45 lbs.
Price \$8.50

Ice Hooks Boston Pattern

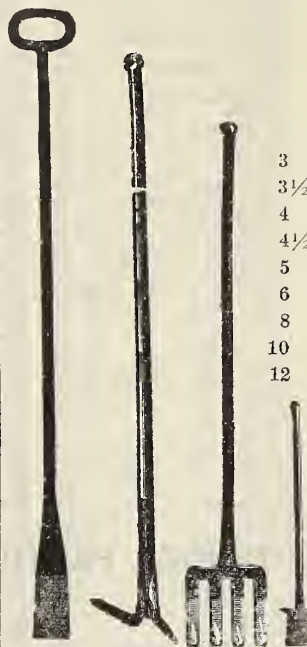


Fig. 364

	Each	Dozen
3 ft.....	\$1.90	\$19.00
3½ ft.....	2.00	20.25
4 ft.....	2.10	21.25
4½ ft.....	2.15	21.75
5 ft.....	2.25	22.25
6 ft.....	2.35	23.75
8 ft.....	2.75	28.25
10 ft.....	3.25	34.00
12 ft.....	3.75	37.50

Splitting Fork Ring Handle

2 tine... \$8.50 each
3 tine... 8.50 each

Splitting Chisel,
with Ring Handle,
\$5.00 each.

Caulking Bar, with
Ring Handle,
\$5.00 each.

Boston Pattern Swell Handle Ice Tongs



Fig. 365

Every Tong Warranted

16½ inch.....	\$2.50 pair
24 inch.....	2.75 pair
26 inch.....	3.00 pair

ONE-PIPE HEATING SYSTEMS

VICTORY PIPELESS FURNACE



Fig. 366

The manufacturer behind this furnace should be sufficient guarantee as to its performance; but VICTORY needs no other sponsor than its in-built quality. Oxidized cast floor register, triple castings (all galvanized), one-piece ribbed firepot, extra large feed door, are some of the features of this remarkable all-cast furnace. VICTORY'S first cost is much lower than its quality and workmanship would lead you to believe, and in economy of operation as well as durability it equals and even excels the highest priced pipeless furnaces on the market. It is a worthy descendant of a long and distinguished line of furnaces that has made heating history for the past generation. To the user, VICTORY means warmth—every room heated alike, and every room comfortable. Warmth, easily controlled in all weather, ample on coldest days, in new homes or old, at about half the usual fuel expense. To all it means a nation-wide movement for better homes and better living conditions.

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GARDEN SEEDS

	Per Acre		Per Acre
Artichoke, 1 oz. to 500 plants.....	½ pound	Kohl Rabi, 1 oz. to 200 feet of drill.....	1½ pounds
Asparagus Seed, 1 oz. to 800 plants.....	4 "	Leek, 1 oz. to 200 feet of drill.....	4 "
Asparagus Roots.....	2500 to 7000	Letuce, 1 oz. to 200 feet of drill.....	3 "
Beans, Dwarf, 1 pound to 100 ft. of drill.....	60 pounds	Melon, Musk, 1 oz. to 100 hills.....	2½ "
Beans, Pole, 1 pound to 100 hills.....	30 "	Melon, Water, 1 oz. to 25 hills.....	4 "
Beet, Garden, 1 oz. to 100 ft. of drill.....	6 to 8 "	Mustard, 1 oz. to 50 feet of drill.....	4 "
Beet, Sugar and Mangel, 1 oz. to 100 ft. of drill.....	5 "	Okra, 1 oz. to 50 feet of drill.....	8 "
Broccoli, 1 oz. to 3000 plants.....	4 ozs.	Onion Seed, 1 oz. to 200 feet of drill.....	4 to 5 "
Brussels Sprouts, 1 oz. to 3000 plants.....	4 "	Onion Seed for sets.....	30 to 50 "
Cabbage, 1 oz. to 3000 plants.....	4 "	Onion Sets, 2 pounds to 50 feet of drill.....	250 "
Carrot, 1 oz. to 150 feet of drill.....	2½ pounds	Parsnip, 1 oz. to 200 feet of drill.....	4 "
Cauliflower, 1 oz. to 3000 plants.....	5 ozs.	Parsley, 1 oz. to 200 feet of drill.....	4 "
Celery, 1 oz. to 10,000 plants.....	4 "	Peas, Garden, 1 pound to 100 foot drill.....	100 "
Celery, 1 oz. to 10,000 plants.....	4 "	Pepper, 1 oz. to 1500 plants.....	4 ozs.
Chervil, 1 oz. to 8000 plants.....	4 pounds	Potatoes.....	600 to 700 pounds
Chicory.....	4 pounds	Pumpkin, 1 oz. to 50 hills.....	3 "
Collards, 1 oz. to 5000 plants.....	12 "	Radish, 1 oz. to 150 feet of drill.....	8 to 10 "
Corn, Sweet, ¼ pound to 100 hills.....	12 "	Sage, 1 oz. to 100 feet of drill.....	5 "
Cress, 1 oz. to 150 feet of drill.....	12 "	Salsify, 1 oz. to 60 foot row.....	8 "
Cucumber, 1 oz. to 50 hills.....	2½ "	Spinach, 1 oz. to 100 feet of drill.....	12 "
Dandelion, 1 oz. to 200 feet of drill.....	2 "	Squash, Summer, 1 oz. to 25 hills.....	4 "
Dill, 1 oz. to 200 feet of drill.....	5 "	Squash, Winter, 1 oz. to 10 hills.....	2 "
Egg Plant, 1 oz. to 2000 plants.....	4 ozs.	Tomato, 1 oz. to 2500 plants.....	3 ozs.
Endive, 1 oz. to 300 feet of drill.....	4½ pounds	Tobacco, 1 oz. to 5000 plants.....	4 ozs.
Kale, 1 oz. to 3000 plants.....	4 ozs.	Turnip, 1 oz. to 200 feet of drill.....	1½ pounds
		Turnip, Ruta Baga, 1 oz. to 150 feet of drill.....	1 "

GRAIN AND FORAGE CROPS

	Pounds per acre	Weight per bu.		Pounds per acre	Weight per bu.
Alfalfa.....	15-25	60	Oats for grain.....	50-60	32
Barley, for grain.....	100	48	Oats for forage.....	100	32
Barley, for forage.....	110	48	Peas, Field, Broadcast.....	150-160	60
Beans, Soy or Soja.....	60-75	60	Peas with oats.....	90-100	60
Buckwheat.....	50-75	48	Rye for grain.....	60-75	56
Clover, Alsike.....	6-8	60	Rye for forage.....	80-100	56
Clover, Crimson.....	18-20	60	Rape, Dwarf Essex, in drills.....	4-6	50
Clover, Mammoth Red.....	10-12	60	Rape, Dwarf Essex, broadcast.....	8-10	50
Clover, Medium Red.....	10-12	60	Sudan Grass, in drills.....	4-6	40
Clover, White Sweet.....	20	60	Sudan Grass, broadcast.....	18-20	40
Corn, Flint for grain.....	15	56	Vetch, Spring, with one bushel small grain.....	40-60	60
Corn, Dent for silage.....	20-30	56	Vetch, Winter or Hairy, with one bushel small grain.....	40-60	60
Millet, Golden.....	50	50	Wheat.....	90-120	60
Millet, Hungarian.....	50	48			
Millet, Japanese.....	15-25	35			

GRASS SEEDS

	Pounds per acre	Weight per bu.		Pounds per acre	Weight per bu.
Awnless Brome.....	18-25	14	Rye Grass, English.....	50	28
Blue Grass, Canada.....	30-35	14	Rye Grass, Italian.....	60	22
Blue Grass, Kentucky.....	20-25	14	Rye Grass, Pacey's.....	50	28
Creeping Bent.....	50	14	Rep Top, Re-cleaned seed, Worcester Brand.....	40-50	36
Crested Dogstail.....	50	28	Red Top, Unhulled seed.....	70	14
Fescue, Hard.....	30	16	Rhode Island Bent.....	20-40	14
Fescue, Meadow.....	24	16	Rough Stalk Meadow.....	30-35	26
Fescue, Red or Creeping.....	30	16	Sweet Vernal, use only in mixture.....		
Fescue, Sheep's.....	40	16	Tall Meadow Oat.....	45	12
Fescue, Various Leaved.....	20-25	15	Timothy.....	12-25	45
Meadow Foxtail.....	30	8	Lawn Seed Mixture, Shady Spot.....	100-125	20
Orchard Grass.....	20-25	14	Lawn Seed Mixture, Worcester Brand.....	100-125	25
			Wood Meadow.....	25-30	19

NUMBER OF PLANTS, TREES, ETC., REQUIRED TO SET AN ACRE

Distance	Number	Distance	Number
1 foot by 1 foot.....	43,560	6 feet by 6 feet.....	1,210
1½ " " 1½ " ".....	19,360	8 " " 8 " ".....	680
2 " " 2 " ".....	21,780	10 " " 10 " ".....	434
2 " " 2 " ".....	10,890	12 " " 12 " ".....	302
2½ " " 2½ " ".....	6,970	15 " " 15 " ".....	194
3 " " 3 " ".....	4,520	18 " " 18 " ".....	134
3 " " 3 " ".....	7,260	20 " " 20 " ".....	103
3 " " 3 " ".....	4,840	25 " " 25 " ".....	70
4 " " 4 " ".....	2,722	30 " " 30 " ".....	40
5 " " 5 " ".....	1,742	40 " " 40 " ".....	27

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GRASS GARDEN
AND FLOWER
S E E D S

