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SATEX SEED CO.



ZINNIA (LILLIPUT or POMPON)

SEED AND POULTRY SUPPLY ANNUAL

Don't Gamble With Inferior Seeds

PLANT SATEX TESTED SEEDS

SATEX SEEDS are as high or higher in quality now than at any time in the history of our establishment. We offer you the finest quality seeds, purest strains at the lowest prices possible consistent with quality seed. We feel safe in saying that you cannot buy better seed no matter what you pay. REMEMBER—Nothing is so dear as cheap seed. You can send your order to us with confidence, secure in the knowledge that you will receive only the best seed available. Every lot of seed is thoroughly analyzed for purity and germination. Tests are also conducted on every lot of seed on our proving grounds for type. The cost of seed is the smallest item in the cost of producing a crop. So, why gamble? Order SATEX TESTED SEED and plant with confidence.

HOW TO ORDER—You will find an order blank and addressed envelope enclosed with this catalog. Write your name and address plainly. Be sure to specify how you want your order shipped unless it is a postpaid order. We fill all orders the day received, unless unable to supply same at the time, and will advise you accordingly, so do not hesitate to write us if the goods do not show up.

REMITTANCES should be made by Postoffice Money Order, Bank Draft or Personal Checks. On orders up to One Dollar, we will accept clean unused postage stamps. If currency is sent, letter should be registered. The proper way is to send remittance in full to cover order and postage. We send orders C.O.D. only if 25 per cent of the amount of order is enclosed. PLANTS ARE NEVER SENT C.O.D.

MEXICO CUSTOMERS—Add 20c for first pound and 11c for each extra pound to prices, also 15c for registration. We ship up to 20 pounds per package into Mexico.

ALL GARDEN AND FLOWER SEED listed in catalog are postpaid up to the fifth zone unless otherwise noted. Field Seeds, Bulbs, Poultry Supplies, Remedies, Insecticides, etc., are quoted F.O.B. San Antonio. If you desire same shipped by parcel post, see parcel post rate below for additional amount to be enclosed with order.

OUR GUARANTEE—

We guarantee the safe delivery of all Seeds, Bulbs, Plants or merchandise that you order from us. We guarantee all merchandise to be exactly as illustrated, described and represented. Any item not found to be entirely satisfactory, will be replaced free of charge, or we will refund you every cent you paid, including transportation charges both ways.

Even with the highest quality Seeds, Bulbs, and Plants, success in gardening or farming depends largely on cultivation, soil and weather conditions. Therefore—

SATEX SEED CO. gives no warranty, express or implied as to description, quality, productiveness, or any other matter of any Seeds, Bulbs, Plants, or Trees they send out, and will in no way be responsible for the crop. If the purchaser does not accept seeds on these terms, they are to be returned at once.

PARCEL POST RATES

Zones

Lbs.	1 & 2	3rd	4th	5th	6th	7th
1	\$0.10	\$0.10	\$0.11	\$0.12	\$0.13	\$0.15
2	.10	.11	.14	.17	.19	.23
3	.11	.13	.17	.22	.26	.32
4	.12	.15	.21	.27	.33	.41
5	.13	.17	.24	.33	.40	.50
6	.14	.19	.28	.38	.47	.59
7	.15	.21	.31	.43	.54	.68
8	.16	.23	.35	.49	.61	.77
9	.17	.25	.38	.54	.68	.86
10	.18	.27	.42	.59	.75	.95
11	.19	.29	.45	.64	.82	1.04
12	.21	.31	.49	.70	.89	1.13
13	.22	.33	.52	.75	.96	1.22
14	.23	.35	.56	.80	1.03	1.31
15	.24	.37	.59	.83	1.10	1.40
16	.25	.39	.63	.91	1.17	1.49
17	.26	.41	.66	.93	1.24	1.58
18	.27	.43	.70	1.02	1.31	1.67
19	.28	.45	.73	1.07	1.38	1.76
20	.29	.47	.77	1.12	1.45	1.85
21	.30	.49	.80	1.17	1.52	1.94
22	.32	.51	.84	1.23	1.59	2.03
23	.33	.53	.87	1.28	1.66	2.12
24	.34	.55	.91	1.33	1.73	2.21
25	.35	.57	.94	1.39	1.80	2.30
26	.36	.59	.98	1.44	1.87	2.39
27	.37	.61	1.01	1.49	1.94	2.48
28	.38	.63	1.05	1.55	2.01	2.57

Zones

Lbs.	1 & 2	3rd	4th	5th	6th	7th
29	.39	.65	1.08	1.60	2.08	2.66
30	.40	.67	1.12	1.65	2.15	2.75
31	.41	.69	1.15	1.70	2.22	2.84
32	.43	.71	1.19	1.76	2.29	2.93
33	.44	.73	1.22	1.81	2.36	3.02
34	.45	.75	1.23	1.86	2.43	3.11
35	.46	.77	1.29	1.92	2.50	3.20
36	.47	.79	1.33	1.97	2.57	3.29
37	.48	.81	1.36	2.02	2.64	3.38
38	.49	.83	1.40	2.08	2.71	3.47
39	.50	.85	1.43	2.13	2.78	3.56
40	.51	.87	1.47	2.18	2.85	3.65
41	.52	.89	1.50	2.23	2.92	3.74
42	.54	.91	1.54	2.29	2.99	3.83
43	.55	.93	1.57	2.34	3.06	3.92
44	.56	.95	1.61	2.39	3.13	4.01
45	.57	.97	1.64	2.45	3.20	4.10
46	.58	.99	1.68	2.50	3.27	4.19
47	.59	1.01	1.71	2.55	3.34	4.28
48	.60	1.03	1.75	2.61	3.41	4.37
49	.61	1.05	1.78	2.66	3.48	4.46
50	.62	1.07	1.82	2.71	3.55	4.55
55	.68	1.17				
60	.73	1.27				
65	.79	1.37				
70	.84	1.47				

Zones are based on the distance you are from the shipping point, San Antonio, Texas. Up to 150 miles from San Antonio is the 1st and 2nd zones, which take the same rate; 150 to 300 miles is the 3rd zone; 300 to 600 is the 4th; 600 to 1000, the 5th; 1000 to 1400, the 6th; 1400 to 188, the 7th; over 1800 miles, the 8th zone.



Martha Washington

Asparagus

2 oz. to 100 feet of drill

MARTHA WASHINGTON—Light green, heavy yielding early producing, large, clear stalks of excellent quality. Very early.
Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 75c

BEANS

Green Bush Beans

1 lb. to 100-ft. row

BURPHEE'S STRINGLESS GREEN POD—52 days—The pods are medium green, 5 to 6 inches long cylindrical, larger than those of the Red Velentine, but not quite as fleshy, of equally high quality and remain crisp and tender longer. Absolutely stringless. Pkt. 10c; lb. 30c, postpaid; 10 lbs. \$1.50, not postpaid.

GIANT STRINGLESS GREEN POD—54 days—Another exceptionally fine bean for home or market, perfectly stringless, pods longer than Burphee's Stringless, strong, vigorous grower, and a continuous bearer of delicious beans for weeks. Pkt. 10c; lb. 30c, postpaid; 10 lbs. \$1.50, not postpaid.

NEW STRINGLESS GREEN POD—52 days—Highly desirable for truckers and canners. Plant medium large, erect, somewhat thick stemmed, heavily productive. Pods nearly straight, dark green, round, meaty, succulent, absolutely stringless, of outstanding quality. Pkt. 10c; lb. 30c, postpaid; 10 lbs. \$1.50, not postpaid.

Pole Beans

½ lb. to 100-ft. row

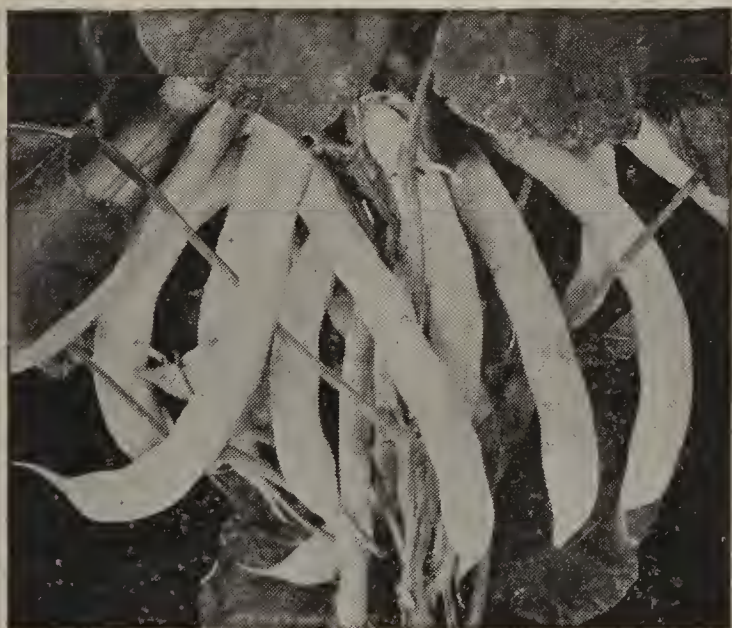
IDEAL MARKET or BLACK-SEEDED POLE BEAN—58 days—This bean is acknowledged to be the best pole bean in existence. It yields better than all other varieties and is very thrifty and extremely prolific. The pods are thick, stringless, meaty, tender and delicious. Pkt. 10c; lb. 30c, postpaid.

STRIPED CREASEBACK—72 days—A hardy and very productive green podded cornfield bean. The vines are sturdy and of good climbing habit, with small-medium, deep green leaves. The pods are long, about 6 inches, very cylindrical or completely rounded. Large pkt. 10c; 1 lb. 30c, postpaid.

KENTUCKY WONDER—65 days—An excellent green-podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. They cook very tender and melting. Seed dark brown. Pkt. 10c; lb. 30c, postpaid.

KENTUCKY WONDER (WAX)—68 days—One of the earliest of the pole wax sorts. Pods 8 to 9 inches long, thick, decidedly creaseback; very fleshy, brittle, but stringy. Attractive and fair quality. Color light yellow. Pkt. 10c; lb. 35c, postpaid.

Bush Wax Beans



Improved Golden Wax

IMPROVED GOLDEN WAX—49 days—One of the best beans in cultivation. Pods are long, nearly straight, broad and flat, and golden yellow; seed white, more or less covered with two shades of purplish red. Pkt. 10c; lb. 30c, postpaid; 10 lbs; \$2.00, not postpaid.

PROLIFIC BLACK WAX—51 days—Early; pods are round, about 5 inches long, fleshy, brittle and stringless, deep yellow in color and attractive. Standard sort. Pkt. 10c; lb. 30c, postpaid; 10 lbs. \$2.00, not postpaid.

PENCIL POD WAX—52 days—Early and very productive; pods large, 5 to 6 inches long, round, straight and creaseback, strictly stringless, free from fibre, fleshy and brittle; of highest quality; color very clear yellow. Pkt. 10c; lb. 30c, postpaid; 10 lbs. \$2.00, not postpaid.



Stringless Green Pod

Bush Lima Beans

HENDERSON'S DWARF LIMA—66 days—The earliest variety of dwarf Lima Beans, fully 2 weeks earlier than any other variety. Plants about 16 inches high and very prolific. Beans are small. Recommended to anyone desiring early Lima Beans.

Pkt. 10c; lb. 35c, postpaid; 10 lbs. \$2.00, not postpaid.

SPECKLED BUSH LIMA—65 days—This variety is generally known as "calico or speckled" butter bean. The beans are of fine quality, either green-shelled or dry. It is very prolific and does well in the driest weather. The seed is sort of a brownish color.

Pkt. 10c; lb. 35c, postpaid.

Pole Lima Beans

CAROLINA or SIEVA—77 days—Beans are small and white on the order of Henderson Bush Lima. Plant of large growth, very early, vigorous and productive. Pkt. 10c; lb. 35c, postpaid.

POLE SPECKLED LIMA—78 days—This fine Butter Bean is better adapted for the wants of the Southern farmer than any other variety. It is a certain and abundant cropper. The vines are strong growers and cling well to the poles or trellis. Bear early and late. Both pods and beans are larger than the old white Carolina or Sieva Butter Beans; the beans are speckled in color, white splotched with red but are of the very highest quality, both in the green and dry state. Pkt. 10c; lb. 35c, postpaid.

FREE

With every order of

\$1.00

Garden Seed in ounces and packets, we will send you FREE 25c worth of Garden or Flower Seed in packets of your own selection. In other words, order \$1.25 worth of Garden or Flower Seed in packets and ounces and send \$1.00 with your order.

NOTICE

We wish it distinctly understood that this free offer applies only to seeds in packets and ounces, and not for seeds by weight (over one ounce).

NEVER CULTIVATE OR HANDLE ANY KIND OF BEANS WHEN THE VINES ARE WET. THIS IS THE EASIEST WAY TO SPREAD A SERIOUS DISEASE AND RUIN THE CROP.

Garden Beets

1 oz. to 50-ft. row

CROSBY'S EGYPTIAN—60 days—We have an unequalled strain of this superb, extra early sort. A flattened globe shape; skin very dark red, flesh a trifle lighter in color and slightly zoned. Tops small.

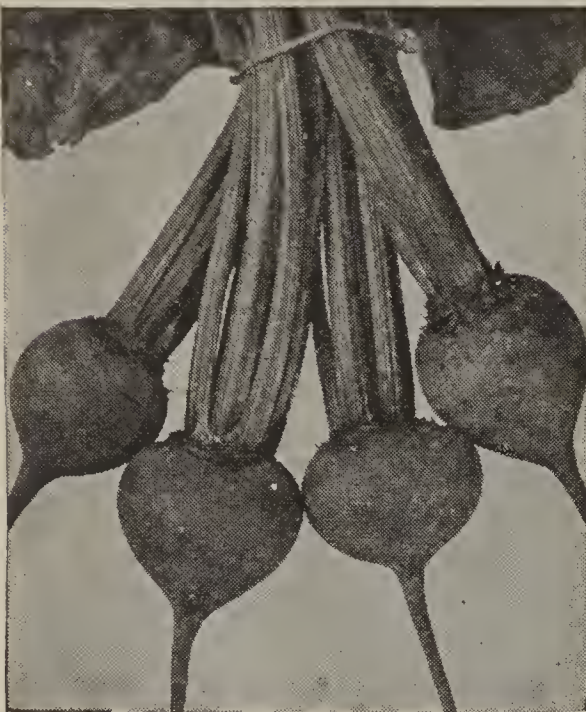
Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid.

EXTRA EARLY LIGHT ECLIPSE—65 days—A fine early table beet, top shaped or tapering, globe shaped. Flesh deep crimson, zoned with pink. Crisp and sweet.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00 postpaid.

DETROIT DARK RED TURNIP—68 days—Roots are roundish, smooth; dark red; flesh is bright red zoned with lighter; crisp, tender, sweet, and a good keeper.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00 postpaid.



Detroit Dark Red

EARLY BLOOD TURNIP—65 days—Standard medium early variety of excellent quality, also good for summer and fall use. The flesh is deep red, zoned with lighter shade; sweet, crisp and tender; nearly round.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid.

FERRY'S CROSBY—50 days—Flesh bright vermillion red with fainter zoning. Tops small, but fairly coarse. Root flattened, globe shape with small tap root.

Pkg. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

Swiss Chard

LUCULLUS—50 days—No other garden vegetable will produce more nutritious food from a small space than Swiss Chard. Of rapid growth. Foliage and leaf stalks used same as Asparagus or Spinach.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid.

LARGE-RIBBED WHITE—50 days—Large, smooth leaves of thick texture grown mostly for the heavy main ribs, which are prepared like Asparagus. The green succulent foliage is used like Spinach. An old standard variety which still is grown also quite extensively for its pearly white stalks.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid.

Mangel Wurzel Beets

1 oz. to 100-ft. row

GIANT FEEDING SUGAR—(Half Sugar Mangel)—110 days—A beet which is superior to Mangels for stock feeding purposes, as it is more nutritious, having a large amount of sugar. It is oval in shape, grows partly out of the ground, of large size and yields enormous crops.

Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c, postpaid.

IMPROVED MAMMOTH LONG RED—110 days—The largest of all the Mangels and the heaviest cropper. Skin is red, flesh white zoned with red. This variety produces a larger amount of good feed than any other Beet and is recommended as superior to all others.

Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c, postpaid.

Broccoli

1 oz. to produce 2000 plants

CALABREZE GREEN SPROUTING—65 days—This is a distinct variety grown by Italian market-gardeners for Italian trade only. The plant forms a large solid head which remains green. After this head is cut off, a number of smooth sprouts develop from the leaf-axes, each sprout terminating in a small head about one inch in diameter. Bunched and sold as a second crop. Sow seed in frames early in spring; market in June and July.

Pkt. 5c; oz. 40c; ¼ lb. \$1.10; lb. \$3.50, postpaid.

DON'T TRY "WATCHFUL WAITING" FOR BUGS, WORMS AND OTHER VERMIN. SWAT 'EM OR THEY WILL SPOIL ALL OF YOUR PLANTS.

Cabbage

1 oz. to produce 2000 plants

VOLGA or RUSSIAN—85 days—A new medium sized sort, with round, solid heads, which are deep through. It is extremely hardy.

Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75, postpaid.

RED ROCK—110 days—The largest and surest heading red cabbage, round, solid and dark red, medium to long stem.

Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.00, postpaid.

EARLY JERSEY WAKEFIELD—65 days—The most widely known and popular extra early variety. Heads are broad cone shaped and very solid.

Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25, postpaid.

DRUMHEAD SAVOY—90 days—Heads round, compact, solid; leaves numerous, deep green and coarsely crimped.

Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75, postpaid.

EARLY DRUMHEAD—90 days—We recommend this sort for markets that require a very large and deep head. Plant large with few outside leaves, stem of medium length; a sure heading variety of excellent quality.

Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

CHARLESTON WAKEFIELD—75 days—About one week later than Early Jersey Wakefield, but the conical heads are fully one-half larger.

Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25, postpaid.



All-Head Early

ALL-HEAD EARLY—77 days—Deep flat heads slightly rounded at top, 8 to 9 inches broad, 6½ to 7 inches deep, usually weigh about 6 pounds. Uniform in size and color. The solid heads are of the finest quality. A heavy yielder.

Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25, postpaid.

STEIN'S EARLY FLAT DUTCH—90 days—An early and excellent type of Early Flat Dutch, with a medium stem. Heads round, flat and solid.

Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25, postpaid.

COPENHAGEN MARKET—75 days—Very fine, stem short, heads large, round and solid, with few outer leaves of an upright growth. Nearly as early as Jersey Wakefield.

Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

GLORY OF ENKHUIZEN—85 days—A dependable variety heading right after Copenhagen Market.

Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

CHINESE CABBAGE (Pe Tsai)—75 days—Sometimes called Celery Cabbage; resembles Cos Lettuce as much as Cabbage, though with a decided cabbage flavor.

Pkt. 5c; oz. 50c; ¼ lb. \$1.50; lb. \$3.50, postpaid.

Cauliflower

1 oz. to produce 2000 plants



Cauliflower—Cont.

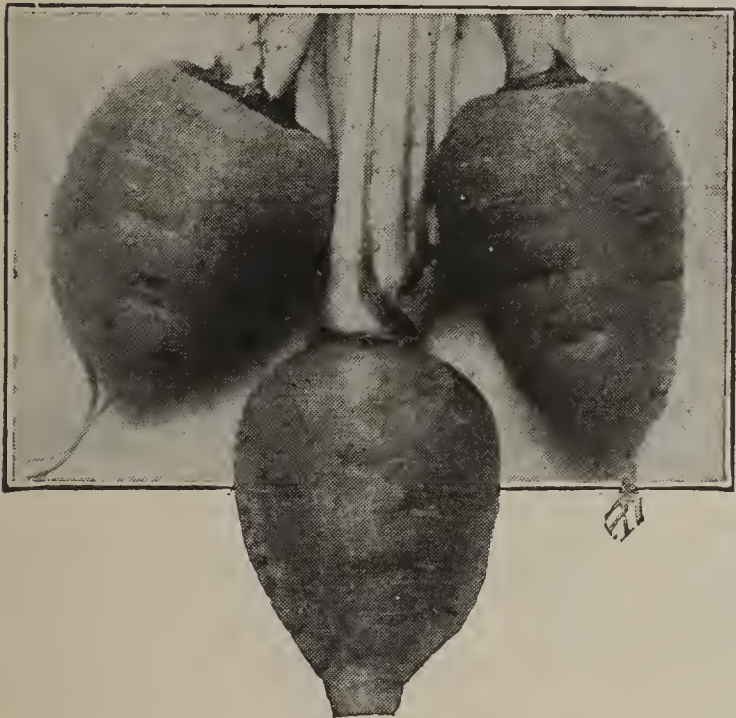
WHITE WONDER—55 days—We believe this to be the best variety in existence, about 7 days earlier than Early Snowball. It is early, of dwarf compact growth and sure to produce fine heads. Very much depends on the quality of Cauliflower seed. We handle only the best Danish-grown seed from a well known, reputable grower, which we confidently recommend.

Pkt. 20c; oz. \$2.00; ¼ lb. \$6.00; lbs. \$20.00, postpaid.

EARLY SNOWBALL—65 days—Popular extra early strain, of dwarf, compact growth. Every plant will make a fine solid head of good size, under favorable circumstances. Pkt. 10c; ¼ oz. 50c; oz. \$2.00; ¼ lb. \$5.00; lb. \$15.00, postpaid.

Carrots

1 oz. to 100-ft. row



Oxheart

ORANGE DANVERS HALF LONG—75 days—Broad shouldered, cylindrical, admirable in color. Always a favorite because reliable and attractive in form, color and weight. Most popular sort.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

OXHEART or GUERANDE—72 days—One of the most popular and best croppers among the short carrots. The shape is particularly desirable for heavy soil. The true type is about 4½ inches long and 3½ inches thick at the shoulder. It tapers slightly to the bottom and is very stump-rooted.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

CHANTENAY—72 days—One of the best carrots for all purposes. Roots about 6 inches long, blunt pointed, smooth, fine grained, sweet, a heavy yielder.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

MORSE BUNCHING—80 days—Tops short, foliage rather shortly cut, stems medium size and strong. Roots at maturity 1¼—1½ by 8 inches in size. Almost cylindrical with rounded shoulders and are well stumped.

Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25, postpaid.

Celery

¼ oz. to 100-ft. row

GOLDEN SELF-BLANCHING—120 days—The best market variety especially for early summer. The plant is naturally golden-yellow both stem and leaves, but needs to be blanched to make it brittle and fit for table use. Forms a rather small bunch.

Pkt. 5c; oz. 35c; ¼ lb. \$1.00; lb. \$3.00, postpaid.

Collards

1 oz. to 100-ft. row

GEORGIA SOUTHERN—Plant 2 to 3 feet high, forming a cluster of tender undulated leaves at the top of its rather long stem; used as greens.

Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 75c, postpaid.



Sweet Corn

1 lb. to 100-ft. row

EXTRA EARLY ADAMS—75 days—This is not a Sugar Corn, but is earlier. The ears are short, 12-rowed, and while in condition for roasting cannot be told from Sugar Corn. It will stand earlier planting than Sweet Corn and is a favorite wherever worms work badly on early corn.

Pkt. 10c; lb. 25c, postpaid.

GOLDEN BANTAM—80 days—Early; golden yellow in color and of highest quality. Ears 6 to 7 inches long, 8-rowed, bearing from 2 to 4 ears to a stalk.

Pkt. 10c; lb. 30c, postpaid.

COUNTRY GENTLEMAN—90 days—An especially fine quality corn, cob small, white and densely covered with long slender white grains without row formation.

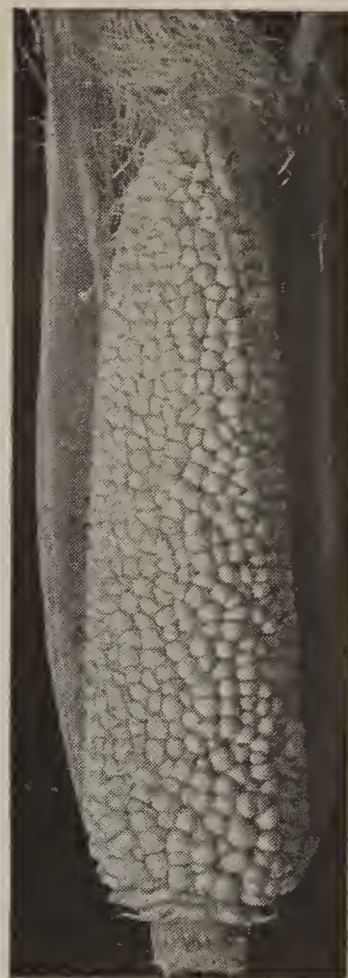
Pkt. 10c; lb. 30c, postpaid.

TRUCKERS' FAVORITE—85 days—A splendid early white corn, coming in directly after Adams Early but much larger. Has a deep white soft grain.

Pkt. 10c; lb. 25c, postpaid.

STOWELL'S EVERGREEN—95 days—A standard main crop variety, much used for the home garden, market, and canning. Hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling.

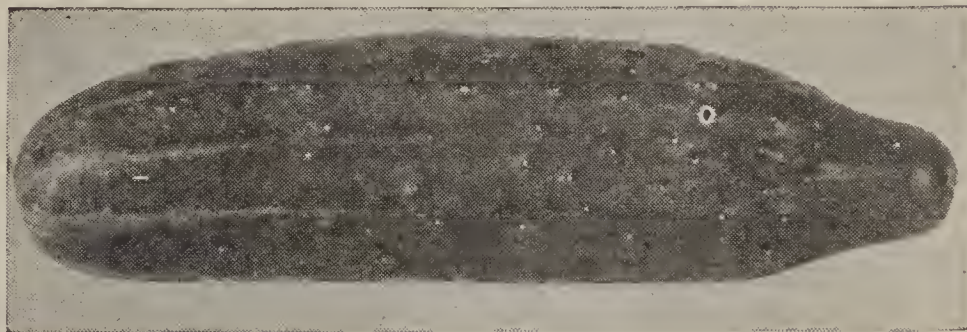
Pkt. 10c; lb. 30c, postpaid.



Gountry Gentleman

Cucumbers

1 oz. to 100-ft. row



Early Fortune

EARLY FORTUNE—65 days—Early, good dark color and prolific. Fruits average about 10 inches.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

EXTRA LONG WHITE SPINE or EVERGREEN—65 days—A fine strain; smooth, frequently 10 inches long; round, handsome, very regular.

Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25, postpaid.

IMPROVED CHICAGO PICKLING—59 days—Meets the most exacting requirements of critical pickle makers. Vines healthy and very productive. Fruit the right size, shape, color and quality.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

STAY-GREEN—55 days—"Stay-Green" is the earliest of the White Spine type; fruit 7 to 8 inches long, cylindrical in shape. Color a beautiful dark green from stem to blossom end, which is retained longer than any variety we know of. Vigorous grower, enormous yielder, shipping quality unexcelled, and always commands the highest market price.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

IMPROVED EARLY WHITE SPINE—60 days—Vines vigorous, fruiting early and abundantly. Fruit good-sized, straight and smooth. Splendid for table use and especially desirable for pickles.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

IMPROVED LONG GREEN—70 days—Uniform in size, straight, smooth; deep green in color and a great favorite for slicing.

Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25, postpaid.

Plant small, quick growers like lettuce, radishes, etc., between the rows of larger, slower maturing sorts. In the case of early sorts such as spinach, start tomatoes, corn, etc., between the rows to occupy the ground after the former is harvested.

WHEN YOU WATER, DO IT THOROUGHLY — DON'T SPRINKLE, SOAK

Egg Plant

1 oz. to produce 2000 plants

BLACK BEAUTY—81 days—Rich dark purple, large and symmetrical, maturing a little earlier than our Improved Large Purple, but usually not quite as large. Very desirable for the market, as the fruit holds its color for a long time.

Pkt. 5c; oz. 45c; ¼ lb. \$1.35; lb. \$4.00, postpaid.



Black Beauty

IMPROVED LARGE PURPLE (Spineless)—83 days—This variety is a genuine favorite both for market and home garden. The plant is spineless, large and spreading, with light green foliage. It usually produces 4 to 6 large, oval fruits of a splendid dark purple color. The vigor and productiveness and fine quality of the fruit makes it a most profitable variety for market gardening.

Pkt. 5c; oz. 45c; ¼ lb. \$1.35; lb. \$4.00, postpaid.

Endive

1 oz. to 100-ft. row



Ever White Curled

LARGE GREEN CURLED—95 days—Has very curly leaves, the mid-ribs being white and whitish, and the outer edges very much indented and crested. A very attractive plant and one of the best varieties.

Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 90c, postpaid.

EVER WHITE CURLED—100 days—The plants are moderately dense, with divided leaves, which are very light yellowish green in color, even the outer ones being very light. This variety blanches readily to an attractive creamy white.

Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00, postpaid.

Kale

1 oz. to 100-ft. row

DWARF CURLED SCOTCH—55 days—A finely curled, spreading, low growing variety, very hardy and much used for greens. This sort, sometimes called "Norfolk," is grown extensively in the South for shipment, and is largely planted for the home garden. The leaves are long and attractive bright green. This sort is often used for garnishing.

Pkt. 5c; oz. 8c; ¼ lb. 30c; lb. 90c, postpaid.

Kohl Rabi

1 oz. to 100-ft. row



EARLY WHITE VIENNA—55 days—A turnip-like bulb, formed above ground, combining somewhat the flavor of Cabbage and Turnips. The bulb is large enough to be used in 10 to 12 weeks from time of sowing, and is most tender and deliciously flavored before fully matured.

Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75, postpaid.

LARGE GREEN—65 days—This sort is also called Large White. It is hardy, quite late, and used for feeding stock. Bulbs large, weighing 8 to 10 pounds when fully grown; whitish green in color, leaves large and very numerous.

Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

Lettuce

½ oz. to 100-ft. row

EARLY PRIZE HEAD—Forms a mammoth plant, in which even the outer leaves are crisp and tender; color bright green tinted with brownish red. It is of superb flavor and very hardy.

Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00, postpaid.

ICEBERG—84 days—A large crisp lettuce, always tender. Iceberg stands hot weather remarkably. Give each head 14 inches in row. The color is light green lightly tinged with brown. Try this either for home or market garden. A little larger than Los Angeles and, similar.

Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.10, postpaid.

NEW CHICKEN LETTUCE—Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk 3 or 4 feet high, just loaded with leaves.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10, postpaid.



Satex Special New York

SATEX SPECIAL NEW WORK—80 days—The standard head Lettuce grown so largely in California and misnamed by the produce trade as Iceberg. Produces immense heads as solid as a Cabbage. The interior is beautifully blanched, creamy-white, crisp, delicious and very tender. A very strong, robust growing variety. The outer leaves are attractive deep green, broad, and frilled at the edge.

Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

Lettuce—Cont.

HANSON—80 days—A fine large-heading variety. Leaves curled on the edges, light yellowish-green in color. The head is crisp and brittle and flavor excellent. Stands warm weather extremely well. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.00, postpaid.

BIG BOSTON—76 days—A popular market variety used largely in the South to grow winter Lettuce for the northern markets. A light-green cabbage variety, slightly tinged with brown in the head. Has a fine golden buttery head. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00, postpaid.

COS—Forms oblong heads of large size. Considered by many as superior to any other kind. An entire distinct type of Lettuce. Sometimes called "Romaine Celery Lettuce." Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00, postpaid.

Mustard

½ oz to 100-ft. row



Large Smooth-Leaved

LARGE SMOOTH-LEAVED—30 Days. An excellent sort with very large, light green, plain or comparatively smooth leaves, borne well above the ground. This sort is preferred by many, as it is more easily prepared for the table than the rougher-leaved varieties. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 60c, postpaid.

SOUTHERN GIANT CURLED—30 Days. Leaves are large, light green with tinge of yellow, much crimped and frilled at edges. Plant is upright and slightly spreading in growth. This variety is highly esteemed in the South for the market, as well as for the home garden on account of its vigorous growth, hardiness and good quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid.

CHINESE—Leaves twice the size of White English; sweet and pungent. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 60c, postpaid.

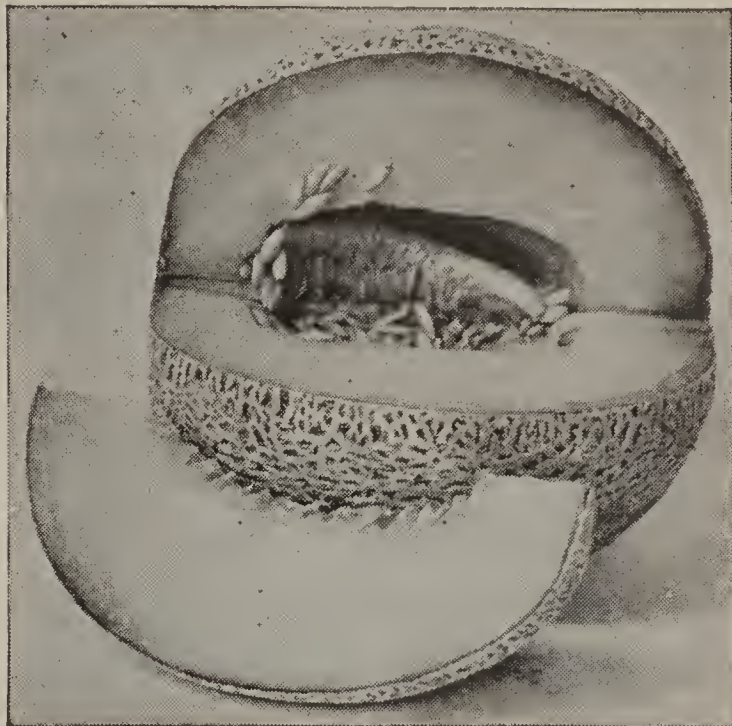
JAPANESE MUSTARD-SPINACH—Offered by some dealers in the South as **TENDERGREEN**. A quick growing vegetable of Oriental origin. In Japan it takes the place of Spinach, as it remains tender even in dry weather. It is virtually an all season plant. Withstands extreme summer heat, also resistant to cold weather. The large, oblong leaves are dark green in color with a very small center rib. The leaves are cooked and prepared for table the same as Spinach and Turnip or Mustard Greens. It compares favorably to these greens in eating qualities. Does not make roots like Turnips; only small thin roots, about 2 or 3 inches in length. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

Muskmelon

½ oz to 100-ft. row

ROCKY FORD or **NETTED GEM**—92 days—The most largely cultivated variety in use. Grown in great quantities in Colorado. Fruit is slightly oval, finely netted and slightly ribbed. Flesh thick, green, very sweet and of fine quality and high flavor. Pkt. 5c; oz. 10c; 2 oz. 15c; ¼ lb. 30c; lb. \$1.00, postpaid.

BURRELL'S SUPERFECTO—90 days—A Muskmelon that has become very popular in the last few years. Almost round, heavily netted, slightly ribbed; a very good shipper. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25, postpaid.



Superfecto

HONEY DEW—112 days—The delicious honey-like flavor of this new melon has met with instantaneous public favor and created a sensation wherever used. The fruit is of large size, weighing 8 to 10 pounds each. The rind is perfectly smooth and cream colored. The flesh is from 1½ to 2 inches thick, light green in color, very sweet and juicy. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

CASABA-GOLDEN BEAUTY—110 days—Golden Beauty is bright yellow, about globular, with wrinkled skin, slightly pointed at stem end. The fruits are about 6 to 8 inches in diameter, the flesh pure white and very thick. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75, postpaid.

HALE'S BEST—85 days—A new variety of Cantaloupe which is grown quite extensively in the Imperial Valley of California. Very early and excellent for shipping. The flesh is salmon and the shape oval, with heavy netting and prominent ribs. Very sweet. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25, postpaid. Not prepaid, 5 lbs. \$5.00.

Watermelon

½ oz. to 100-ft. row

GYPSY or **GEORGIA RATTLESNAKE**—90 days—The melon is long, smooth, distinctly striped with light, mottled and wavy green stripes; flesh bright scarlet, very sugary. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

HALBERT'S HONEY—85 days—Fully equal to Kleckley's Sweet, which it resembles. It is more even in outline, blunter at end; skin of a richer, darker color. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.



New Wonder

WONDER MELON—85 days—Here is a watermelon that every grower in the South will plant sooner or later. In quality of flavor there is nothing that will compare with it. A large and long melon resembling the Tom Watson. The rind is rather thin, but tough, cutting a big red heart of the finest melon meat that you have ever tasted. White seed, with few to the melon. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

KLECKLEY'S SWEET—80 days—A very desirable variety for the home garden or nearby markets. Fruit medium-sized, oval and skin dark green, flesh bright red and sweet. Skin is brittle. It is the very sweet, honey-like flavor that makes it especially distinct from all other varieties. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

Watermelon—Cont.

CUT TOM WATSON—90 days—Without doubt the finest grade of Tom Watson seed ever offered to the grower. The name represents everything that it stands for. The seed has been selected from only the finest and truest-to-type melons and only then from those that CUT RED from rind to rind. Regardless of what kind of melon you have been planting, it will pay you big dividends to plant some of this splendid seed. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

TOM WATSON SPECIAL—90 days—Long, dark green. More tracery on skin than Kleckley Sweet, and longer. Fine variety, cream-brown seed, flesh deep red, finest flavor, no core. Often weighs from 50 to 60 pounds to the melon. One of the most popular shipping melons on the market.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.



Florida Giant

FLORIDA GIANT—90 days—One of the sweetest, largest and earliest watermelons. The fruit is almost round with rich dark green, medium thick rind and scarlet flesh of luscious sweetness. It has few seeds, is firm and solid, almost all heart. Will stand considerable handling making it an excellent shipper. Melons often weigh from 60 to 80 pounds.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

STONE MOUNTAIN—90 days—A new round watermelon showing slight ribs or lobes like a cantaloupe. The color of the smooth skin is light green. The flesh is a uniform beautiful DEEP CRIMSON without any white hearts or stringiness. The average fruit weighs about 45 pounds. Not suited for distance shipping.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid.

DALE—90 days—This splendid melon is oblong in shape. The tough skin is a dark green color irregularly striped with lighter green. Flesh is dark red in color, fine grained, sweet and luscious. White seed. An excellent shipper. You will find our strain of this excellent melon to be the best.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

DALE (Special)—90 days—This seed is selected from the finest melons in the field. Every melon being of very heavy weight and true to type. We can recommend this melon to any one desiring the best in Dale Watermelon seed.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

ALABAMA SWEET—85 days—A very large, long melon of excellent quality; popular in the South, where it is grown extensively for shipping. The color is rather deep green, with dark, irregular striping. The rind is thin, but very tough. The flesh is bright red, fine grained and sweet.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

IRISH GREY—90 days—A valuable melon, producing more melons under any condition than any other variety. Also a fine eating melon, and a grand shipper. The red flesh is very sweet and free from stringiness. The rind will not sunburn and will keep in excellent condition long after picking. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.

CLETEx—85 days—Similar in shape and size to the Tom Watson. Sometimes called Spotted Watson from the fact that it has light green stripes which appear to be spots. Flesh is red and firm, of splendid eating quality. Does not sunburn easily and is a splendid shipper. The seeds are brown to a brown smear. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

FLORIDA FAVORITE—80 days—Fruit long, dark green, mottled and striped with a lighter shade, rind is thin but firm.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

IMPROVED KLONDYKE—80 days—Among the leading shippers in all the melon growing districts of California this wonderful new melon has rightfully earned the reputation of being the best quality shipping melon in existence, and is being grown with equal success in other States regardless of the climatic conditions. The melons are oblong in shape and weigh from 20 to 35 pounds each. Rind is thin but tough, with attractive deep green. Flesh of the melon is a rich red. Without doubt one of the sweetest melons grown.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

CITRON FOR PRESERVING—95 days—A round light and dark-striped melon, meat greenish-white, used for preserving only. Seed red and small. Tough rind.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.

Okra or Gumbo

1 oz. to 50-ft. row

KARGER'S OKRA—Tender and very prolific. Extra early, at least two weeks earlier than most varieties. Bushes of uniform low or dwarf growth, pods thickly set and heavy bearing. Pods do not harden or become tough very readily.

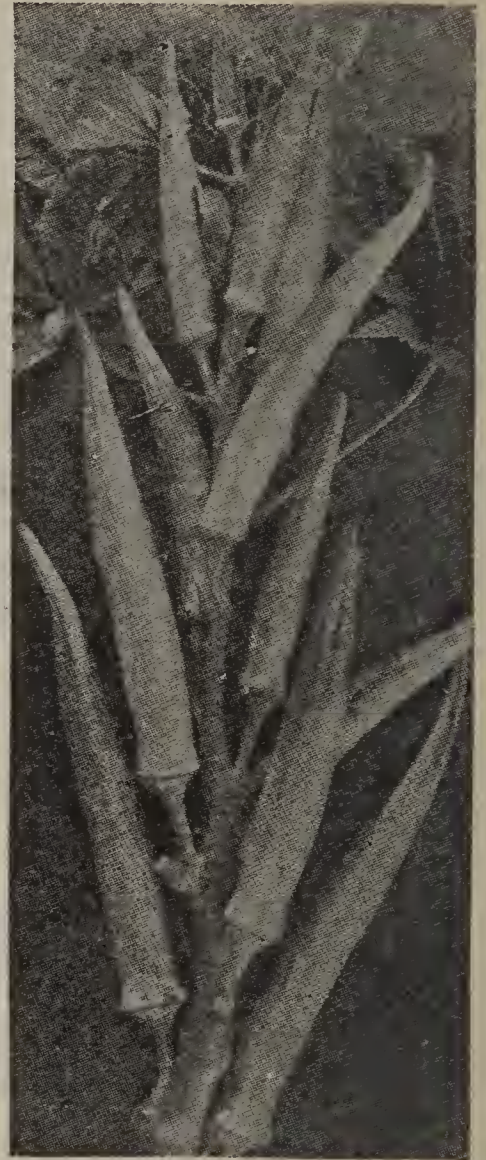
Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c, postpaid.

WHITE VELVET—Round, white, smooth pods of extra large size produced in great abundance.

Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c, postpaid.

PERKINS MAMMOTH LONG POD—This variety is about three feet high, very early and productive. The pods are deep green, very long, slender, slightly corrugated, very tender and of good quality. Desirable market as well as home garden sort.

Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c, postpaid.



White Velvet

Fertilize -- It Pays

(See page 21)

Onion Sets

Culture—Plant 4 inches apart in rows half an inch deep, and 1 foot between the rows, when cultivated by hand. Do not cover the sets entirely. All varieties can be set out in the fall as well as in the spring. One pound plants a 60 foot row.

Red Bottom Sets.....Lb. 30c; bu. \$3.00
White Bottom Sets.....Lb. 30c; bu. 3.50
Yellow Bottom Sets.....Lb. 30c; bu. 3.00

Pounds postpaid, bushels f.o.b. San Antonio.

We warn you against using arsenical poisons on Cabbage, Cauliflower, etc. Better use CUBOR SPRAY or GREEN TOX "50", it kills insects just as good as arsenate of lead and is non-poisonous to humans.



HOTKAPS

FOR BIGGER EARLIER CROPS !

(See page 20 for details)

Per 1000.....Only \$10.00

Onion Seed

1 oz. to 100-ft. row



Crystal White Wax

YELLOW BERMUDA (Straw Color)—95 days—This is the standard variety and is grown very largely among the large Texas onion growers. It is more hardy, less affected by disease, and more prolific than other onions. Pkt. 5c; oz. 35c; ¼ lb. \$1.00; lb. \$3.00, postpaid.

CRYSTAL WHITE WAX—95 days—This is the waxy white onion seen in our markets in the early spring, and it is one of the most beautiful onions on the market. It is absolutely pure white, of the finest flavor, and will always command a premium on the market. Pkt. 5c; oz. 35c; ¼ lb. \$1.00; lb. \$3.00, postpaid.



Onion Plants

CRYSTAL WHITE WAX or YELLOW BERMUDA

100	-----	Postpaid	\$0.25
500	-----	Postpaid	.70
1000	-----	Postpaid	1.15

Onion Plants f.o.b. Encinal, Texas.

1000	-----	Per M	\$0.75
6000	-----	Per M	.60

Write for larger quantity prices.

Tomato Plants

Varieties—John Baer, Earliana, June Pink, McGee, and Marglobe.

100	-----	Postpaid	\$0.55
500	-----	Postpaid	1.35
1000	-----	Postpaid	2.10

Tomato Plants f.o.b. San Antonio

1000	-----		\$1.50
5000	-----	Per M	1.40

Cabbage Plants

Varieties—Early Jersey Wakefield, Charleston Wakefield, Stein's Flat Dutch and Copenhagen Market.

100	-----	55c	500	-----	\$1.35	1000	-----	\$2.10
Cabbage Plants f.o.b. San Antonio								
1000	-----	\$1.25	5000	-----	per M	\$1.15		

Sweet Pepper Plants

Varieties—California Wonder, Worldbeater, Chinese Giant.

Hot Pepper Plants

Varieties—Long Red Cayenne, and Red Chili.

100	-----	75c	500	-----	\$2.50	1000	-----	\$4.00
Pepper Plants f.o.b. San Antonio								
1000	-----	\$3.50	5000	-----	Per M	\$2.50		

Egg Plants

Variety—Black Beauty.

Postpaid								
100	-----	75c	500	-----	\$3.25	1000	-----	\$5.50
Egg Plants f.o.b. San Antonio								
1000	-----	\$5.00	5000	-----	per M	\$4.75		

NO PLANTS SHIPPED C.O.D.

Parsley

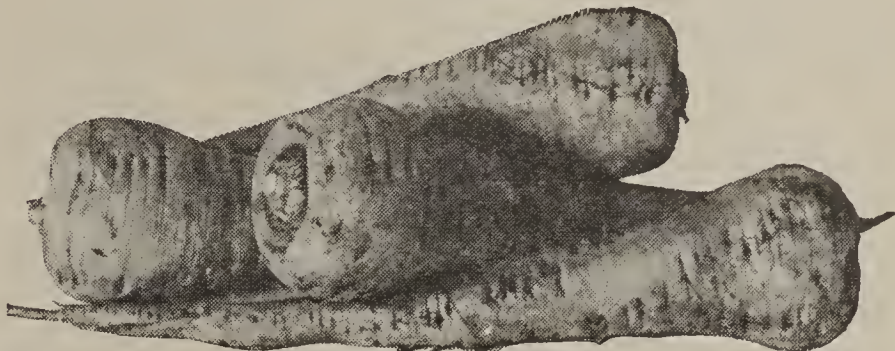
1 oz. to 100-ft. row

PLAIN or SINGLE—A very hardy variety. The leaves are flat and not curled. The best flavored variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.

CHAMPION MOSS CURLED—A very finely curled green and very ornamental. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

Parsnip

1 oz. to 100-ft. row



Hollow Crown

HOLLOW CROWN—An excellent variety for the table. The roots are long, with smooth, white skin, uniform in shape, tender and of the best quality. The variety is easily distinguished by the leaves growing from the depression on top of crown of the root. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 65c, postpaid.

Garden Peas

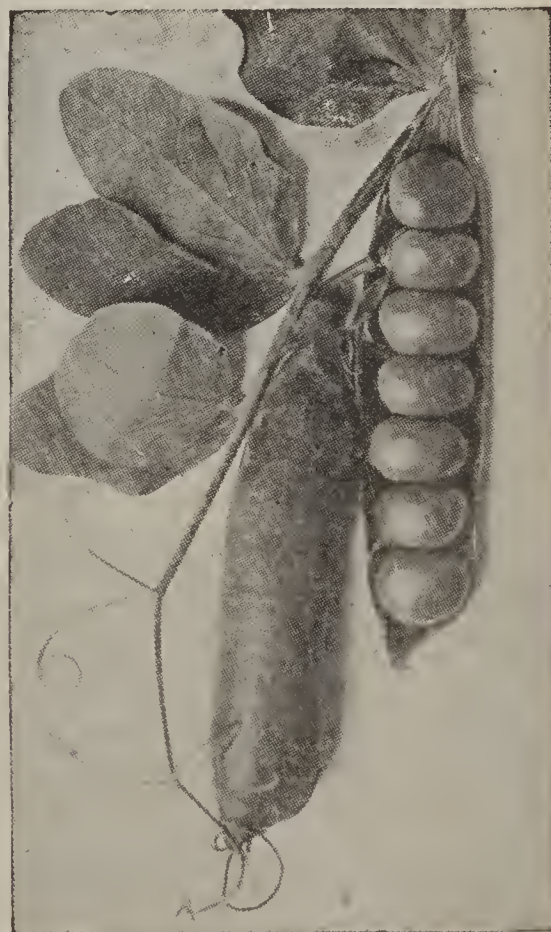
1 lb. to 100-ft. row

BLISS EVERBEARING—76 days—An old standard, late, main crop variety. Height 3 feet. Vine and foliage sturdy and strong, dark green; pods usually in pairs, containing 4 to 5 light green peas of good quality; matures following Telephone. Pkt. 10c; lb. 35c, postpaid; 10 lbs. \$1.75, not postpaid.

LAXTONIAN—62 days—A dwarf pea with large, handsome pods. Slightly earlier than Gradus, maturing about the same time as Thomas Laxton. Vines medium dark green and medium heavy foliage. Pods 3½ to 4 inches long slightly curved. Will bear more abundantly at top of vines, making it easy to pick, very heavy yielder, altogether a fine pea for private market gardeners. Pkt., 10c; lb., 35c, postpaid. 10 lbs., \$2.00, not postpaid.

ALASKA—54 days—Blue pea of excellent quality. Earliest of all the blue sorts. A desirable early pea for market gardeners, growing from 2 to 2½ feet, and very productive. Pkt., 10c; lb., 30c, postpaid; 10 lbs., \$1.50, not postpaid.

CANADA FIELD—85 days—seed small, white, for field culture only. Height 4 feet. Vine moderately stout, medium green; pods light green, 2¼ inches long, square ended, six small, light green peas in pod; matures with Telephone. Pkt. 10c; lb. 25c, postpaid.



Thomas Laxton

Garden Peas—Cont.

FIRST AND BEST—60 days—One of the earliest tall varieties, with smooth, round peas, which ripen almost at one time. Grows 2 to 2½ feet high, seed yellow-white, pods straight, short and well filled. Quality best of the smooth-seeded early varieties.

Pkt. 10c; lb. 35c, postpaid; 10 lbs. \$1.75, not postpaid.

THOMAS LAXTON—60 days—Excepting color of foliage and pods, in growth this is identical with the Gradus, 2 or 3 days late, but more more productive.

Pkt. 10c; lb. 35c, postpaid; 10 lbs. \$2.00, not postpaid.

WHITE MARROWFAT—88 days—This is a very heavy yielding late variety. Pods large and well filled. The dry peas are of large size and are excellent for cooking.

Pkt. 10c; lb. 30c, postpaid.

LANDRETH'S EXTRA EARLY—60 days—A critical gardener wants the best strain as respect earliness, size of pod, flavor, uniformity of ripening, vigor and uniformity in habit of the plant. All these desirable qualities can be found in this pea. This type will produce peas fit for table in 44 to 50 days, according to soil and climatic conditions of the season of their growth.

Pkt. 10c; lb. 35c, postpaid; 10 lbs. \$1.75, not postpaid.

Sweet Pepper

⅓ oz. to 100-ft. row

WORLDBEATER—75 days—This is without doubt, the finest introduction in peppers in ages. It is a cross between Chinese Giant and Ruby King, having the shape of the Ruby King, except that it is broader at the pointed end and almost the size of the Chinese Giant.

Pkt. 5c; oz. 50c; ¼ lb. \$1.50; lb. \$4.50, postpaid.

CHINESE GIANT—80 days—Plant dwarf, fruit mammoth size, very broad but rather short. It is very late and a rather shy yielder. Popular on account of its large size and mild flavor. Our stock is pure and is as good as can be obtained.

Pkt. 5c; oz. 50c; ¼ lb. \$15.00; lb. \$4.50, postpaid.

PIMIENTO or PERFECTION—73 days—A medium early, prolific, perfectly mild variety with extremely thick flesh. On account of its thick flesh it will hold up for a long time; an excellent sort for canning whole.

Pkt. 5c; oz. 30c; ¼ lb. 85c; lb. \$2.50, postpaid.



California Wonder

CALIFORNIA WONDER—75 days—A new variety which originated in California. It is one of the largest peppers grown and has remarkably thick and sweet flesh. Of excellent quality, a particularly heavy yielder.

Pkt., 5c; oz., 60c; ¼ lb. \$1.70; lb., \$5.00, postpaid.

RUBY KING—69 days—This variety grows to an extraordinary size. When ripe, a handsome, bright ruby color; remarkably mild and pleasant to the taste. For stuffing, no other variety can equal it.

Pkt. 5c; oz. 30c; ¼ lb. 85c; lb. \$2.50, postpaid.

HOT OR PUNGENT VARIETIES

RED CHILI—82 days—Rather small, bright red variety about 2 inches long and pointed. Pods are used in making Chili Sauce and are very pungent and hot.

Pkt. 5c; oz. 40c; ¼ lb. \$1.20; lb. \$3.50, postpaid.

LONG RED CAYENNE—70 days—A strong, pungent variety, having well pointed fruit, which is bright scarlet when ripe. A very popular variety.

Pkt. 5c; oz. 40c; ¼ lb. \$1.20; lb. \$3.50, postpaid.

Pumpkin

½ oz. to 100-ft. row



Pie or Sugar

CHEESE—108 days—A very good table variety. Shape flat, like a cheese box; a good keeper. Often 15 inches across the top.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

PIE PUMPKIN—118 days—A small round, yellow sort, with fibre pinkish netting. Flesh is thick, sweet and of excellent quality.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid.

KENTUCKY FIELD—120 days—Sometimes called large Cheese. A very large, flattened pumpkin, averaging about 2 feet through. When ripened the skin is a rich cream color. Flesh yellow and of fine quality.

Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 65c, postpaid.

JAPANESE PIE—115 days—Resembles the Cushaw in shape, but skin is dark green with lighter green stripes. Flesh deep yellow and of good quality. Weight about 12 pounds.

Pkt. 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00, postpaid.

GREEN STRIPED CUSHAW—115 days—Fruits very large, white crooked neck. Color, creamy white, irregularly striped or traced with green. Flesh light yellow, very thick, rather coarse but sweet. This sort is very productive and popular in some sections. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00, postpaid.

Dakota Certified Seed Potatoes

5 lbs. to 100-ft. row



BLISS TRIUMPH or RED BLISS—This is the most standard red variety in the Southern States. It is very early and matures quickly. The potatoes are round and uniform in shape, eyes slightly depressed and a beautiful bright red in color. It is very hard, and not susceptible to disease.

Peck 90c, not postpaid.

IRISH COBLERS—This variety is one of the most reliable and popular of the early varieties. It is of handsome creamy-white color and of excellent quality, making it most desirable for the best trade. It is a vigorous grower, ripens uniformly and a good keeper; in short, one of the best all-around early potatoes on the market.

Peck, 90c, not postpaid.

Success against weeds means keeping them out, not taking them out after they get in.

To insure a succession of such plants as Peas, Beans, Lettuce, Radishes, Beets, Kohlrabi, etc., sow a fresh row every week or so.

Radish

1½ oz. to 100-ft. row

EARLY SCARLET TURNIP, WHITE TIPPED—21 days—One of the most popular and attractive short varieties. It is globe-shaped, bright rose carmine with bottom and tip clear white. Stems and leaves are small. Very valuable for forcing, also for the garden and market. Pkt. 5c; oz. 10c; 2 oz. 15c; ¼ lb. 20c; lb. 60c, postpaid.

FRENCH BREAKFAST—25 days—A quick growing, small olive shaped Radish about 1½ inches long by five-eighths to three fourths of an inch in diameter



Vick's Scarlet Globe

when fully grown. The color is beautiful deep rose scarlet except a little clear white about the tip. This is an excellent variety for planting outdoors for the home garden. Its small tops and earliness make it also desirable for growing under glass.

Pkt. 5c; oz. 10c; 2 oz. 15c; ¼ lb. 20c; lb. 60c, postpaid.

VICKS SCARLET GLOBE—23 days—Most popular shipping variety. Roots are slightly olive-shaped and are a rich, bright scarlet in color. The flesh is white, crisp and tender. Tops are of nice size, about 6 inches or more; easy to bunch.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

LONG BLACK SPANISH—55 days—One of the latest and hardest long garden radishes; especially adapted for winter use. The roots are long, thick, almost black, somewhat wrinkled. The flesh is white, of firm texture, decidedly pungent, but well flavored. The roots when matured are usually 7 to 9 inches long by 2 or 3 inches in diameter at the thickest part.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

CRIMSON GIANT—28 days—If you desire a radish of more than two bites you will find this your liking. Roots large globular, 1 to 1½ inches in diameter, deep crimson in color. The white flesh holds its firmness well and is of superior quality.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid.

SCARLET CHINA—50 days—One of the best of winter varieties. The roots are cylindrical, or largest near the bottom, stump rooted or blunt at both ends. The skin is smooth and of a bright deep rose color.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

LONG WHITE VIENNA—29 days—A very fine, long, white variety; quick growing, ready for use when very young. The flavor is mild and sweet.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

CHARTIER or SHEPHARD RADISH—35 days—A variety of Long Scarlet; top deep crimson; almost white bottom.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

WONDERFUL HALF-LONG SCARLET—26 days—So rapid in growth as to develop perfectly in 26 days. Grows about 2½ inches long, contrasting from a broad shoulder to a sharp point; very symmetrical and uniform in shape; color, bright scarlet; altogether a gem.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

Spinach

2 oz. to 100-ft. row

BLOOMSDALE—39 days—As an autumn sort it is superior to all others; but in the spring is inclined to shoot early. The leaves are twisted and bloated, giving them, when ready for shipment, an elasticity adapting them for transportation to long distances and at the same time giving the crop large measuring qualities. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c, postpaid. 10 lbs., \$2.00, not postpaid.

NEW LONG-STANDING BLOOMSDALE—42 days—Has all the good points of Bloomsdale, in addition it will withstand the summer heat and does not go to seed.

Pkt. 5c; ¼ lb. 20c; lb. 40c, postpaid; 10 lbs. \$2.75, not postpaid.



BROAD-LEAVED FLANDERS—42 days—One of the most vigorous and strong growing varieties. The leaves are nearly round, uniformly deep green, quite thick and slightly crimped in the center.

Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 35c, postpaid; 10 lbs. \$1.75, not postpaid.

NEW ZEALAND—70 days—Particularly valuable for culture in hot dry weather. Seeds comparatively large and nut like. Plants very large and spreading, with numerous small triangular, thick, deep green leaves which can be picked continuously during the season.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

Squash

½ oz. to 100-ft. row



EARLY WHITE BUSH SCALLOP SQUASH

EARLY WHITE BUSH SCALLOP—50 days—A very early variety, with flat, creamy white scalloped squashes 4 to 6 in. in diameter. Vine is bush in habit and rather dwarf. This variety is the common "patty pan" squash. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

GREEN TINT WHITE BUSH or BENNING—53 days—An excellent variety, popular on account of the greenish white color of the young fruits. Plants are of the bush type. Fruits somewhat warted and dull white at maturity.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

MAMMOTH WHITE BUSH SCALLOP—60 days—An early maturing, somewhat flattened, scalloped bush squash of largest size, and the handsomest of the summer varieties for home garden and market. The vines are vigorous and productive.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

YELLOW CROOKNECK—50 days—The well known summer variety. Fruit long, skin very fine and tender when young.

Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00, postpaid.

COCOZELLE, ITALIAN VEGETABLE MARROW—65 days—Oblong in shape, shell dark green. Cook and serve the same as other Squash.

Pkt. 5c; oz. 10c; ¼ lb. 40c; lb. \$1.10, postpaid.

Tomato

1/8 oz. to 100-ft. row

EARLIANA—66 days—Very early. Habit of vine dwarf and compact. Fruit borne in clusters of from 10 to 15 in a bunch. A remarkable variety and one which is in good favor with market gardeners.

Pkt. 5c; oz. 25c; 1/4 lb. 85c; lb. \$2.50, postpaid.

DWARF CHAMPION—86 days—A dwarf variety sometimes called the tree tomato on account of its upright growth and its ability to stand alone without trellising. Fruit medium-sized, smooth, uniform and of a purplish-carmine color.

Pkt. 5c; oz. 40c; 1/4 lb. \$1.20; lb. \$3.50, postpaid.

DWARF STONE—92 days—Claimed to be the largest dwarf tomato known, almost double in size of Dwarf Champion, and is similar in habits of growth; very popular with market gardeners and home canners.

Pkt. 10c; oz. 45c; 1/4 lb. \$1.35; lb. \$4.00, postpaid.



John Baer

GULF STATE MARKET—77 days—This globe-shaped purplish-pink tomato was developed from Early Detroit and is as early as that variety. It is said to be especially adapted to the Gulf States and California. The fruits are large, showing little depression around the stem, and free from cracks.

Pkt. 5c; oz. 40c; 1/4 lb. \$1.25; lb. \$3.75, postpaid.

CHALK'S EARLY JEWEL—73 days—A wonderful new variety in that it is early and bears continuously throughout the season. The fruit is large, smooth, uniform and well ripened clear to the stem, and the flavor and quality are especially fine. Color bright scarlet.

Pkt., 5c; oz., 30c; 1/4 lb., 90c; lb., \$2.50, postpaid.

KARGER'S ROOT ROT RESISTANT—Many gardeners have been unable to grow tomatoes on account of root-rot in the soil. This new variety has been developed by Mr. Geo. Karger and has proven highly resistant to root-rot. It is a strong vigorous grower with sturdy vines producing an enormous crop of large handsome fruit. The tomatoes are a rich scarlet red color, perfectly smooth, of even color, firm and solid. The skin is smooth and shiny, free from cracks or other irregularities. Has a delicious sub-acid and tasty flavor.

Pkt., containing about 400 seeds, 25c, postpaid.

CLARK'S SPECIAL EARLY—81 days—New, excellent variety of tomato, now being used very extensively in the Rio Grande Valley section for shipping purposes. It is an early scarlet fruited variety, uniform in shape and carries well. Inclined to be globe-shaped and bears for a very long period. Truly an excellent variety for market gardeners.

Pkt. 5c; oz. 35c; 1/4 lb. \$1.00; lb. \$3.00, postpaid.

PRITCHARD—73 days—A scarlet self-topper, disease resistant variety. Fruits large, smooth, globular, solid with thick walls and cross sections. Color is a brilliant red both exterior and interior. Highly productive, and has a fine flavor.

Pkt. 5c; oz. 40c; 1/4 lb. \$1.20; lb. \$3.50, postpaid.

RED ROCK—83 days—A mid-season variety resembling Matchless. Plant medium in growth. Fruits are medium large, thick, flat, deep scarlet, smooth and good quality.

Pkt. 5c; oz. 30c; 1/4 lb. 85c; lb. \$2.50, postpaid.



Clark's Special Early

JUNE PINK—69 days—A very early and productive pink form of Earliana. The best early pink on the market. Fruit solid and borne in profusion.

Pkt. 5c; oz. 40c; 1/4 lb. \$1.20; lb. \$3.50, postpaid.

STONE—86 days—The best main-crop tomato for all purposes, and largely used for canning. Vine tall and prolific. Fruit smooth, large and uniform. Color bright scarlet.

Pkt. 5c; oz. 20c; 1/4 lb. 60c; lb. \$1.75, postpaid.

BONNY BEST—73 days—Fruits of beautiful shape and color; good variety for early market and home use. Scarlet fruit with vigorous vine. Crops ripen uniformly.

Pkt., 5c; oz., 50c; 1/4 lb., \$1.50; lb., \$4.50, postpaid.

BREAK O'DAY—70 days—Developed by F. J. Pritchard of Washington, D. C. A new wilt resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger, used whole for salads or stuffed.

Pkt., 10c; oz., 60c; 1/4 lb., \$1.75; lb., \$5.00, postpaid.

MARGLOBE—80 days—Tested repeatedly and approved by U.S. Dept. of Agriculture. Sure to be planted extensively before long. This is what the Department says about it, "Very productive, second early variety, Fruits large, smooth, meaty, red, globular. Highly resistant to wilt and somewhat resistant to blights."

Pkt., 5c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50, postpaid.

JOHN BAER—70 days—Early variety, maturing with Bonny Best, producing fruit equally as good as Chalk's Jewel. Color bright scarlet; good size and smooth. The seed we offer was grown from the introducer's stock.

Pkt. 5c; oz. 30c; 1/4 lb. 85c; lb. \$2.50, postpaid.

McGEE—70 days—Well known in this State on account of its heavy-bearing qualities. It will yield splendid crops when all other varieties fail. Bright crimson, solid and good flavor.

Pkt. 5c; oz. 35c; 1/4 lb. \$1.00; lb. \$3.00, postpaid.

YELLOW PLUM—73 days—A small-fruited, bright golden yellow variety, very attractive; for salads or preserves.

Pkt. 5c; oz. 60c; 1/4 lb. \$1.75, postpaid.

YELLOW PEAR—73 days—Same as Yellow Plum, except that it is the shape of a pear and a trifle smaller.

Pkt. 5c; oz. 60c; 1/4 lb. \$1.75, postpaid.



Rutabaga

1 oz. to 100-ft. row

AMERICAN PURPLE TOP or LONG ISLAND—88 days—One of the best and most popular varieties, with yellow flesh. It is yellow below ground, with purple top above, and the leaves are small. A good stock-feeder or table variety.

Pkt. 5c; oz. 10c; 1/4 lb. 20c; lb. 60c, postpaid.

Good Seeds!

Proper Cultivation
Water — Insecticides
Spell

Garden
Success

Turnip

1 oz. to 100-ft. row

PURPLE WHITE-TOP GLOBE—50 days—An early medium-sized, globular shaped turnip of good quality for either table or stock. A heavy producer and good keeper. The flesh is white and of good eating quality while young.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

WHITE EGG—55 days—A sort forming a root the shape and size of an egg in an incredibly short period after sowing. Flesh always palatable.

Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c postpaid.

POMERANIAN WHITE GLOBE—75 days—Large variety used largely for stock; is globe-shaped, large leaves, hardy.

Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c postpaid.

EXTRA EARLY PURPLE-TOP MILAM—42 days—Excellent medium-sized turnip, almost as early as White Milam; smooth white surface, purple top, flat shape, white flesh; its growth is very uniform and quality the best.

Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00 postpaid.

EARLY WHITE FLAT DUTCH—46 days—Strap-leaved; medium sized flat variety, clear white, early and of fine flavor. A fine table variety.

Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c, postpaid.

LOUSE RESISTANT—A splendid white globe turnip which grows well in hot and dry weather. Lice do not seem to attack this variety as quickly as other turnip greens.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid.

PURPLE TOP FLAT DUTCH—46 days—Strap leaved; early flat variety. White with purple top. It matures quickly and has fine-grained flesh of fine flavor. It forms early a fine root, even in shape and of the best quality.

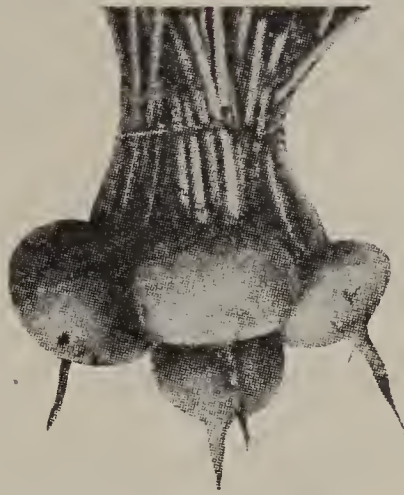
Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

COWHORN TURNIP—70 days—This turnip grows very long, often 12 inches or more, and 2 inches in diameter and nearly half above ground. Very popular for stock feeding; is clear white except a little shade of green at top.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 75c postpaid.

YELLOW ABERDEEN—70 days—A large sized, late maturing, long keeping, yellow fleshed turnip. It is hardy, productive, and valuable for stock feeding. The roots are yellow with purple top. The flesh is pale yellow, firm, tender and sweet.

Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c postpaid.



MARKET GARDENERS
Write for Our Truck Growers Price List

SPRAY GUIDE

(See pages 24 and 25 for prices on Insecticides)

Name of Insect or Disease	Control
Antracnose.....	Bordeaux Mixture.
Ants.....	Antrol, High Life, London Purple.
Aphis.....	Black Leaf "40," Destruxol, Green Tox "50." Kaloil, Cubor.
Beetles.....	Green Tox "50," Two Way Spray.
Blight.....	Bordeaux Mixture.
Boll Weevil.....	Calcium Arsenate.
Borers (Peach).....	Paradichlorobenzol
Cabbage Worms.....	Green Tox "50," Kaolith, Shep's, Arsenate of Lead, Cubor.
Codling Moth.....	Arsenate of Lead, Destruxol, Cubor.
Cotton Leaf Worm.....	Paris Green.
Curculio.....	Arsenate of Lead.
Cut Worms.....	Snarol.
Harloquin Bug.....	Cubor.
Leaf Curl.....	Dry Lime Sulphur.
Leaf Hoppers.....	Green Tox "50." Black Leaf "40," Shep's, Cubor.
Leaf Spot.....	Two Way Spray.
Leaf Roller.....	Green Tox "50." Cubor.
Mealy Bugs.....	Green Tox "50," Destruxol, Cubor.
Mildew.....	Sulphur, Destruxol.
Potato Bug.....	Paris Green, Two Way Spray, Cubor.
Red Spider.....	Green Tox "50," Dry Lime Sulphur, Kalite, Cubor.
Rose Chafer.....	Green Tox "50," Black Leaf "40," Destruxol, Shep's, Cubor.
Rot.....	Bordeaux Mixture.
San Jose Scale.....	Dry Lime Sulphur, Destruxol.
Scab.....	Dry Lime Sulphur, Destruxol.
Snails.....	Snarol.
Sow Bugs.....	Snarol.
Squash Bugs.....	Green Tox "50," Cubor.
Stink Bug.....	Green Tox "50," Cubor.
Thrip.....	Black Leaf "40," Destruxol, Green Tox "50," Cubor.
Tomato Worms.....	Kaolith, Two Way Spray, Green Tox "50," Cubor.
Web Worm.....	Paris Green.
Weevil.....	Calcium Arsenate.

DIRECTIONS FOR USING GARDEN FERTILIZER

FLOWERS AND VEGETABLES—Broadcast 4 to 6 pounds over each 100 square feet and work well into several days before sowing seed or setting out plants. For larger vegetables in rows apply 2 to 3 pounds for 50 feet of row. Water in. Use half these amounts for additional feedings every 4 to 6 weeks during the growing season. Soak in with heavy sprinklings. Be sure that the plant food is mixed well with the soil and does not come in direct contact with the seed or plants.

POTTED PLANTS—One-half teaspoonful mixed in top soil is usually sufficient for plant in 6-inch pot. Vary quantity according to size of pot. WATER IN IMMEDIATELY. Repeat in 30 days.

TREES AND SHRUBS—Work several handfuls in soil around each shrub or small tree. For larger shrubs or trees increase application according to size and distribute in soil around trunk as far as branches spread. Water in.

Make your home more beautiful with Flowers grown from SATEX QUALITY SEEDS

In the following pages are listed all of the most useful kinds of flowers, including those for every ordinary purpose. The list is arranged in alphabetical order.

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.

It is well to include some of all three classes in planning your flower garden. Most of the biennials and perennials bloom early in the season, while nearly all of the annuals continue to bloom until killing frosts. Combining the classes thus lengthens the season.

Alyssum

SWEET—Hardy annual used for border-edging or massing in small beds, blooming early in the spring, with clusters of small, pure white cruciform flowers having a delicate fragrance, most useful in small bouquets; usually not over 8 inches high, but spreading. Prices: Pkt., 10c; oz., 50c.

Antirrhinum or Snapdragon

TALL MAXIMUM—3 to 4 feet. This is the newest creation in Giant Snapdragons and is a marked advance over the older type in size and brilliancy of color. The flowers are closely placed on the stems.

APPLEBLOSSOM—Rosy pink yellow lip.....Pkt. 10c; ¼ oz. 50c
CANARY BIRD—Golden yellow center.....Pkt. 10c; ¼ oz. 50c
COPPER KING—Velvety copper-scarlet.....Pkt. 10c; ¼ oz. 50c
PURPLE KING—Deep glowing purple.....Pkt. 10c; ¼ oz. 50c
SNOWFLAKE—Pure white, yellow tube.....Pkt. 10c; ¼ oz. 50c
THE ROSE—Rose pink.....Pkt. 10c; ¼ oz. 50c
FINEST MIXED.....Pkt. 10c; ¼ oz. 50c

NEW RUSTPROOF—Remarkable new strain immune to rust. Highly recommended for gardens where rust prevails. 1173 University of California Mixture—contains a wonderful range of all the popular colors. Pkt. 25c; ¼ oz. \$1.00.



Snapdragon—Tall Maximum



Aster

Aster

CALIFORNIA GIANT—2 feet high; petals very long and recurved and twisted near the center; flowers larger than ordinary Comet, and equal in form; coming into blossom rather late. Splendid for cut flowers. Sow in January. Colors: White, Peach Blossom, and Light Blue. Pkt. 10c; oz. \$3.00.

Queen of the Market.....Pkt. 5c; oz. 40c
American Branching.....Pkt. 5c; oz. 35c
Globe Quilled.....Pkt. 5c; oz. 30c

Balsam (Touch-Me-Not)

CAMELIA FLOWERED—Double flowers all colors. Covered with white polka dots. Pkt. 5c; oz. 30c.

ROSE FLOWERED—Double flowers, all colors. Pkt. 5c; oz. 20c.

Spray Your
Flower Plants
with
GREEN TOX "50"

Calendula (Pot Marigold)

One of the best and showiest free-blooming hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, particularly bright in late Fall, continuing in bloom from early Summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring. Sow in the fall.

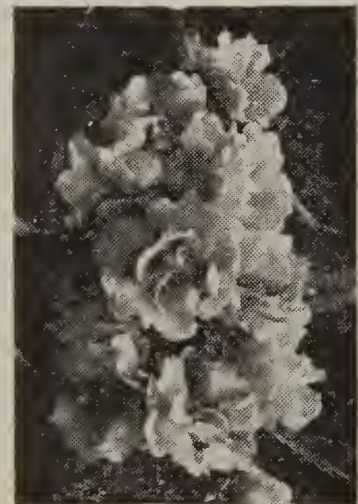
CAMPFIRE or **SENSATION**—Blooms are flat, and undoubtedly larger than those of any type previously introduced. Color brilliant orange with scarlet sheen with full yellow center. Has extra long stems. Pkt. 10c; oz. 60c.

BALLS GOLD—Deep golden yellow. Pkt. 10c; oz. 60c.

PRINCE OF ORANGE—Glowing orange with dark center. Pkt. 5c; oz. 25c.



Calendula



Balsam

Candytuft

Prolific bloomers, bearing in profusion clusters of flowers in a wide range of colors. Indispensable for cutting, very effective in beds or borders; thin out to 4 inches in a row.

GIANT WHITE HYACINTH FLOWERED—This is an extra select strain of Candytuft, with enormous trusses of white blossoms, especially desirable for cutting. Grows about 18 inches high. Pkt. 10c; oz. 50c.

DWARF UMBELLATTA—Finest mixed. Pkt. 5c; oz. 25c.

Carnation

Carnations are general favorites for their delicious fragrance and richness of color. They are indispensable both for greenhouse culture in winter and for the garden in summer; sow in the fall.

CHABAUD'S GIANT—Will come into bloom six months from seed and continue to bloom all summer; they form from 10 to 20 stalks bearing huge flowers of fine form; dark red, white, and deep rose. Pkt. 10c; ¼ oz. 75c.



Carnation



Candytuft

Castor Bean

RICINUS—The large ornamental variety. Pkt. 5c; oz. 15c.



Centaurea Cyanus

Centaurea Cyanus (Corn Flower)

Sometimes called Corn Flower or Bachelor's Button. This is an old-fashioned, hardy annual and still a great favorite for cutting purposes. Are very easily cultivated; the seed should be sown in the spring where they are to remain; thin out to 3 or 4 inches.

DOUBLE WHITE—A new variety, absolutely pure white and very durable; splendid as a cut flower. Pkt. 10c; oz. 30c.

DOUBLE BLUE—A pleasing shade of blue, much prettier than the single kinds; height 2 to 3 feet. Pkt. 10c; oz. 30c.

DOUBLE PINK—Beautiful bright pink shade. Pkt. 10c; oz. 30c.

DOUBLE MIXED—All colors. Pkt. 10c; oz. 25c.



Cosmos

Chrysanthemum

CARINATUM—Large daisy-shaped, blooms with old and beautiful arrangement of colored rings surrounding centers. Colors: White and Yellow. Pkt. 10c; oz. 75c. Mixed: Pkt. 5c; oz. 25c.

CORONARIUM DOUBLE—White Pearl.

CORONARIUM DOUBLE—Tall Yellow.

Cockscomb (Celosia Cristata)

DWARF GIANT EMPRESS—This beautiful dwarf plant has bronze leaves; forms very large crimson combs; height usually about 1 foot. Pkt. 10c; oz. \$1.50.



Cockscomb



Daisy

Cosmos

A tall, feathery, green stalk, bearing daisy-like flowers in all shades of lavender, pink, and white. Blooms all summer. Pkt. 5c; oz. 25c.

CYPRESS VINE—A very ornamental climber with fine feathery leaves bearing small red and white star-shaped flowers. Pkt. 5c; oz. 25c.

Daisy (Shasta)

A splendid hardy variety with flowers rarely less than 4 inches across, of the purest glistening white with yellow center, broad, overlapping petals and borne on long stems. A beautiful cut flower, remaining in good condition a week or more.

CONQUEROR—Flowers very large, pure white, stems about 2½ to 3 feet long. Pkt. 10c; oz. \$1.25.

Four O'Clock

Used for hedges for large beds for public foundation planting and places. Mixed colors. Pkt. 5c; oz. 15c.

Forget-Me-Not

A dwarf plant bearing small blue flowers. Pkt. 5c; oz. 60c.

Globe Amaranth

(GOMPHRENA)

A low-growing hardy annual, Everlasting or Straw Flower, about 8 inches high with globe-shaped flowers, in red, pink, white and orange. Mixed. Sow in the spring. Pkt. 10c; oz. 25c.

Larkspur

(DELPHINIUM)

Annual varieties. The Larkspur is one of the handsomest and most useful of plants and for large gardens is invaluable. Sow in the fall to early spring.

Tall Double Stock Flowered—Colors: dark blue, bright rose, lustrous carmine, and white. Pkt. 10c; oz. 45c.



Gypsophila

Gypsophila

(BABY'S BREATH)

Delicate, free-flowering plants covered with star-shaped flowers, valuable for mist-like effect and as trimming in bouquets; also for hanging baskets or edgings.

Paris Market—White.....Pkt. 10c; oz. 25c

Rosea—Light Pink.....Pkt. 10c; oz. 30c

Hollyhock

Splendid background for a flower garden and shows up well along the fence Bears open rose-shaped flowers Mixed colors.

Single.....Pkt. 5c; oz. .35

Double.....Pkt. 10c; oz. 1.25

Hyacinth Beans

(JACK BEANS)

A rapid climber, blooms and pods are very ornamental. Colors: White, purple, or mixed.

Pkt. 5c; oz. 15c.

Lantana

A tender perennial, 2 to 3 feet high, bearing verbena-like clusters of flowers, in orange, white, rose, and other colors. blooms constantly all summer; sow in early spring.

Hybrida—Mixed.....Pkt. 10c; oz. 75c



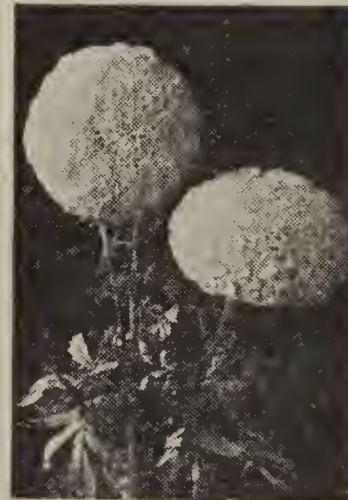
Larkspur

Marigold

A showy plant with a profusion of flowers in brilliant colors of yellow and orange.

African Tall Double Orange—A beautiful flower of gigantic size; a very bright orange color plant usually growing about 2 to 3 feet high. A very popular sort. Pkt. 10c; oz. 75c.

African Tall Double Lemon—A lemon shade that is beautiful. Pkt. 10c; oz. \$1.25. Mixed colors—Pkt. 10c; oz. 75c.



Marigold

Texas Bluebonnets

THE TEXAS STATE FLOWER

Grows wild all over the prairies of Central and South Texas. There is nothing more beautiful than the fields when the beautiful flowers are in bloom in the early spring. Plants grow to 12 inches high and are covered with beautiful dark blue flowers tinged with white. Pkt. 10c; oz. 30c.

ALL DOUBLE ORANGE—Pkt. 10c; oz. \$1.25.

ALL DOUBLE LEMON—Pkt. 10c; oz. \$1.25.

Use 9-18-18

TO FERTILIZE YOUR FLOWER PLANTS.

This Fertilizer will produce more vigorous plants and better colored flowers.



Heavenly Blue

Moon Flower

NOCTIFLORA—A very rapid climber bearing large white flowers blooming at night. Pkt. 5c; oz. 40c.

Morning Glory

HEAVENLY BLUE—Improved—A beautiful climber bearing very large blue flowers in great profusion almost hiding the foliage. Pkt. 10c; oz. 75c.

JAPANESE MIXED—A very reliable climber bearing flowers in many variegated colors. Pkt. 5c; oz. 30c.

Nasturtium

DWARF—Used for a border along walls, paths, etc. A constant bloomer and very attractive in color. Pkt. 5c; oz. 10c.

TALL—Used for arbor and trellis decoration. Flowers very rich in colors, striped and spotted with different shades. Pkt. 5c; oz. 10c.

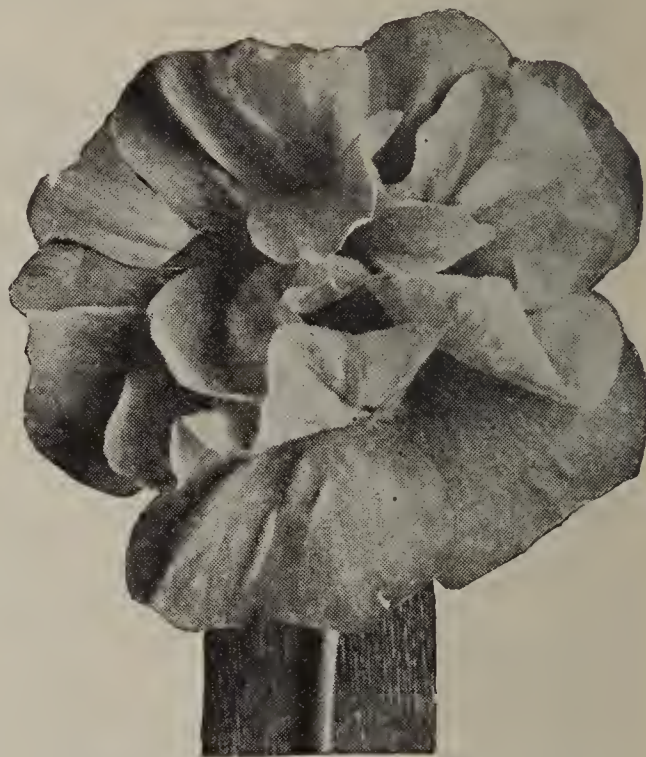
SENATIONAL NEW NASTURTIUMS

Here's the greatest sensation in flowers for 1936: Giant, double, sweet-scented flowers of gorgeous new colors. Individual blooms are of immense size and produced on long, stiff stems. Be one of the first to grow these wonder flowers. They are excellent for cutting as well as for garden decoration.

SCARLET GLEAM—Wonderfully sweet-scented double flowers of dazzling fiery orange-scarlet color. Pkt. 10c; oz. 35c.

GLEAM HYBRIDS—New colors, never before dreamed of in double Nasturtiums. Salmon, golden yellow, orange-scarlet, cerise, cream-yellow, orange, and crimson, all delightfully scented. Pkt. 10c; oz. 25c.

GOLDEN GLEAM—Acclaimed by garden lovers everywhere. Large, semi-double, golden yellow flowers averaging 3 inches across, deliciously sweet-scented. Pkt. 10c; oz. 20c.



Nasturtium—Double Golden Gleam



Petunia

Pansy

GIANT TRIMARDEAU—Flowers are well formed, of enormous size, in a great variety of colors, the very finest strain. Finest mixed. Pkt. 10c; ¼ oz. 50c.

NON PLUS ULTRA—The richest and most varied mixture possible, producing the largest flowers, consisting of the darker shades. Pkt. 10c; ¼ oz. \$1.25.

Petunia

Their richness of color, duration of bloom and easy culture will always make them popular.

HYBRIDA—Deluxe bedding mixture, large flowered dark sorts. Pkt. 10c; oz. \$2.00.

Phlox

DRUMMONDI—Grandiflora—This hardy annual is unequalled for the magnificent display of brilliant colors when used in beds. Will thrive in most any soil. Grows from 6 to 12 inches high. Colors: White, crimson, flesh, and mixed. Pkt. 10c; oz. \$1.25.

STAR—Choice mixed. Pkt. 10c; oz. \$1.00.



Phlox



Poppy—Carnation Flowered

Pinks (Dianthus)

The family of Pinks is unrivalled for brilliancy and rich variety of color. Plants are bushy, of symmetrical form, blooming profusely until Fall, rendering them very satisfactory for summer varieties.

CHINESE DOUBLE MIXED—This is a double annual sort of beautiful colors. Pkt. 5c; oz. 25c.

HEDDEWIGI DOUBLE MIXED—This is another type that is beautiful. Pkt. 10c; oz. 75c.

Poppies

Should be planted in the late Fall or very early in the Spring, as in our section they burn out as Summer comes on.

CALIFORNIA POPPY—Eschscholtzia—A very beautiful annual with finely cut, feathery foliage, having a velvet, cup-shaped flower. All colors mixed. Pkt. 5c; oz. 25c.

SHIRLEY MIXED—This is a beautiful type of satiny flowers with a wide range of colors. Pkt. 5c; oz. 30c.

CARNATION-FLOWERED—Large size; flowers very double; of many colors. Pkt. 5c; oz. 25c.

Portulaca (Moss Flower)

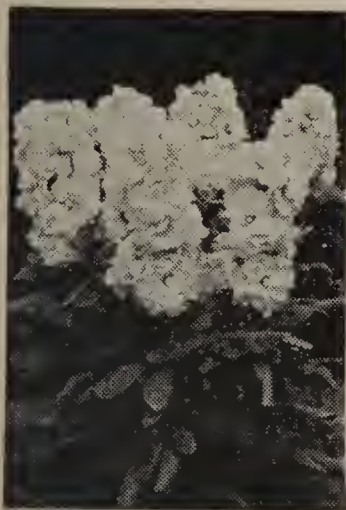
One of the best low-growing annuals for hot and sunny places; will grow and bloom profusely in the summer time when other flowers are dead. Sow after all danger of frost is over.

SINGLE MIXED—Many beautiful colors. Pkt. 10c; oz. 45c.



Dianthus or Pinks—Double Mixed

OUR FLOWER SEEDS ARE SELECTED FOR A CRITICAL FLORIST TRADE, THUS ASSURING YOU A BETTER STRAIN OF SEED FOR THE HOME GARDEN



Stocks

Salvia

SPLENDENS—Flowering sage, is a very ornamental plant, flowering in spikes of a rich red color. Pkt. 10c; oz. \$1.25.

Stocks

MAMMOTH EARLY BRANCHING NICE—Plants grow about 1 foot high, making a compact bush covered with splendid spikes of most brilliant colors and varieties. Pkt. 10c; oz. \$1.25.

Sweet William

Beautiful flowering plant; produces a splendid effect in borders and beds with its rich and varied flowers.

DOUBLE MIXED—Perennial. Pkt. 5c; oz. 50c, postpaid.

SINGLE MIXED—Pkt. 5c; oz. 30c.

SWEET PEAS



STANDARD SUPERB SPENCER—Sweet Peas will grow and blossom in any good garden soil. For best success sow early, as early as the ground can be worked in the spring. Regardless of the weather sow early, in trenches 4 inches deep; cover about 1 inch with soil, and fill the trench as the plants grow. Set the support early and hoe often.

	Pkt.	Oz.	Lb.
WEMBLEY —Lavender, suffused, plumbago blue	.10	.25	2.25
RENOWN —Carmine red	.10	.25	2.25
FIERY CROSS —Bright red, orange, cerise	.10	.25	2.25
MISS CALIFORNIA —Salmon, cream pink	.10	.25	2.25
PINKIE —Large rose pink	.10	.25	2.25
KING WHITE —Large pure white	.10	.25	2.25
MRS. TOM JONES —Best azure blue	.10	.25	2.25
STANDARD SPENCER MIXED	.05	.15	1.50

EARLY FLOWERING SPENCERS—Bloom in 8 Weeks

These magnificent Sweet Peas are ideal for February and March plantings in the lower South. They are quick growers, starting to flower at an early stage, and will furnish an abundance of lovely blooms before hot weather arrives. Pkt. 10c; oz. 25c.



Sweet Peas

Vinca (Periwinkle)

Highly ornamental, free-flowering, compact evergreen shrubs, with shining green foliage and handsome circular flowers. 18 inches high.

PURE WHITE—Beautiful pure white. Pkt. 10c; oz. \$1.00.

ROSEA—Rose with crimson eye. Pkt. 10c; oz. \$1.00.

MIXED—Pkt. 10c; oz. \$1.00.

Verbenas

Very popular for massing in beds and flower boxes. Start blooming in early spring until late summer. Sow seed in January in boxes.

MAMMOTH—Colors: Scarlet, pink, purple, yellow, white, mixed. Pkt. 10c; oz. \$1.00.



Verbena

More Vegetables and Better Flowers through controlling Diseases with **SEMESAN**—Prevent many damaging diseases of flowers and vegetables that are carried on the seed, by disinfecting with Semesan. It destroys the destructive diseases on the seed and protects them from the roots of the soil, which results in increased stands of more vigorous, healthy plants that yield larger, quality crops; 1 ounce treats 15 to 30 lbs. of seed. Directions in every can.

Prices: 2 oz. 50c; 1 lb. \$2.75; 5 lbs. \$13.00. Ask for free pamphlet.

FREE!
25c of Flower Seeds
 WITH EVERY ORDER OF FLOWER SEEDS AMOUNTING TO
\$1.00

IN OTHER WORDS, ORDER \$1.25 WORTH OF FLOWER SEEDS AND SEND US \$1.00 WITH YOUR ORDER. ALL FLOWER SEEDS POSTPAID.

SPRING FLOWER PLANTS

HALF DOZEN PLANTS 25c; ONE DOZEN PLANTS 40c, POSTPAID

ANTIRRHINUM—(Snapdragon)—Rose, Pink, White, Yellow, Scarlet, Purple, Mixed.

ASTERS—(California Giant)—White, Pink, Blue, Mixed.

CALENDULA—Orange, Golden Yellow, Mixed.

CARNATION—(Chabaud's Giants)—Red, White, Rose, Mixed.

CHRYSANTHEMUM—Yellow, White, Mixed.

DAISY—(Shasta)—White, Yellow Centers.

HOLLYHOCK—Mixed colors.

LARKSPUR—Red, White, Pink, Purple, Mixed.

MARIGOLD—Orange, Lemon, Mixed.

PANSY—Non Plus Ultra.

PINKS—Mixed Colors.

PETUNIAS—DeLuxe Bedding Mixed.

PHLOX—Mixed.

SALVIA—(Scarlet Sage).

STOCKS—Mammoth Early Branching Nice.

VERBENA—(Mammoth)—Scarlet, Pink, Purple, Yellow, Mixed.

ZINNIA—(California Giants)—Red, Pink, White, Yellow Orange, Mixed.

ZINNIA—(Lilliput)—Mixed colors.

CASH AND CARRY PRICES: Half Doz. 12c; 1 Doz. 20c

ZINNIAS

Satex California Giants

or Mammoth Special Florists' Strains

The great advantage of this type is that the very large flowers are of enormous size and flat, getting away from the conical type of the Giants and eliminating the stiffness that has been so objectionable in Zinnias in the past. The flowers from the time they open are attractive, making them a good cut flower from the early bud until they are in full bloom. They are twice the size of the ordinary Giants.

ENCHANTRESS—Light rose, deep rose center. Pkt. 10c; oz. 90c.

LAVENDER QUEEN—Deep lavender. Pkt. 10c; oz. 90c.

ORANGE KING—Cadmium or orange scarlet. Pkt. 10c; oz. 90c.

SCARLET GEM—Glowing deep scarlet. Pkt. 10c; oz. 90c.

PURITY—Best white. Pkt. 10c; oz. 90c.

SPECIAL FLORISTS' MIXTURE—Pkt. 10c; oz. 90c.

GOLD MEDAL GIANT DAHLIA FLOWERED ZINNIA—The latest development in Zinnias with flowers of enormous size and resembling the decorative Dahlia very much in shape.

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. Pkt. 10c; ¼ oz. 30c; oz. \$1.00.

GOLDEN STATE—A very rich orange-yellow, turning to an attractive orange when in full bloom. Pkt. 10c; ¼ oz. 30c; oz. \$1.00.

CRIMSON MONARCH—The largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit. Pkt. 10c; ¼ oz. 30c; oz. \$1.00.

DREAM—A fine lavender, turning to purple (mallow purple). A new desirable shade in Zinnias. Pkt. 10c; ¼ oz. 30c; oz. \$1.00.

POLAR BEAR—A very large, pure white, the best white yet seen in Zinnias. True Dahlia form. Pkt. 10c; ¼ oz. 30c; oz. \$1.00.

SPECIAL GOLD MEDAL MIXTURE—A well-blended mixture containing all the above varieties. Pkt. 10c; ¼ oz. 30c; oz. \$1.00.



Dahlia Flowered Zinnia

Lilliput, Pompon or Baby Zinnia

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all Summer until late in the Fall.

	Pkt.	¼ oz.	Oz.
CANARY YELLOW.....	.10	.25	.75
CRIMSON GEM.....	.10	.25	.75
ROSEBUD —Rose pink.....	.10	.25	.75
VALENCIA —Burnt orange.....	.10	.25	.75
WHITE GEM.....	.10	.25	.75
TOM THUMB MIXTURE.....	.10	.25	.75

GIANT PICOTEE TYPE—A remarkably new and distinct class with beautiful double flowers, each petal being distinctly tipped with various shades, resembling the Picotee Carnations. Pkt. 10c; oz. \$1.00.

Gladiola Bulbs

Plant in open ground when danger of frost is past. Plant 8 inches apart and cover about 3 inches deep.

AMERICA—One of the most popular Gladiola offered; lavender pink flowers of very large size, borne on robust stems make delicate cut flowers. Dozen, 50c, postpaid.

MRS. FRANK PENDLETON—A very early variety. The flowers are of a beautiful salmon-pink with a creamy-white blotch in the throat which greatly enhances its beauty. Dozen 60c, postpaid.

HALLEY—A most attractive early blooming sort with large well-opened flowers of a delicate salmon-pink with a creamy blotch on lower petals. Dozen 60c, postpaid.

PEACE—One of the grandest white introductions of 1912. This variety seems to produce blossoms later in the season than any other variety. Doz. 60c, postpaid.

MRS. FRANCIS KING—The magnificent flowers measure 4½ inches across. A brilliant flaming pink, blazed with vermilion red. Dozen 60c, postpaid.

SCHWABEN—For size of flower and keeping qualities this Gladiola is considered as being the best of yellows. Dozen 60c, postpaid.



WE CARRY A COMPLETE LINE

— of —

Garden Tools

HOES, RAKES, SPADING FORKS,
SHOVELS, LAWNMOWERS,
TROWELS, SEEDERS, ETC.

Tuberose

MEXICAN EVERBLOOMING—The most beautiful Tuberose that was ever brought to our attention; it begins to produce its fragrant flowers in June and blooms continually until frost. Plant in good soil, and water them occasionally during extreme warm weather, and an abundance of lovely flowers will be the reward. In the southern part of the State the bulbs may be left in the ground all Winter. Dozen 30c; 100, \$1.75, postpaid.

KEEP THIS IN MIND—It matters not how good your land may be, how well you fertilize it, how thoroughly you cultivate—your crop can be no better than the seeds you plant.

Field Seeds

The varieties of field seed listed are adapted to the climate conditions of Southwest Texas. They are grown for us by the best growers of field seeds in the state, and you will find them of the best quality and true to name.

NOTICE—Owing to the fact that grain markets are constantly fluctuating, it is impossible for us to quote field seed in larger quantities than by the pound. Should you be interested in large quantities, we would be very glad to quote you on any item that you may be interested in. We especially recommend that you try some of the Arizona Grown Hegari and Milo Maize.

Alfalfa

HAIRY PERUVIAN—Is particularly recommended for our own state of Texas. As compared with common alfalfa, Hairy Peruvian is more upright, less branched and has fewer and somewhat coarser stems and smaller crown. It is also characterized by rapid growth, large amount of leaves, quick recovery after cutting and ability to make growth in cool weather after ordinary alfalfa has ceased growing. Lb. 25c, not postpaid.

WHITE FLOWERING SWEET CLOVER—Thrives on practically all soils in Texas. Sweet Clover is a splendid soil builder and especially so when the entire crop is turned under. Every planter with cows should have a patch as it is a great milk producer. Sow at the rate of 15 to 20 pounds to the acre. Lb., 25c, not postpaid.



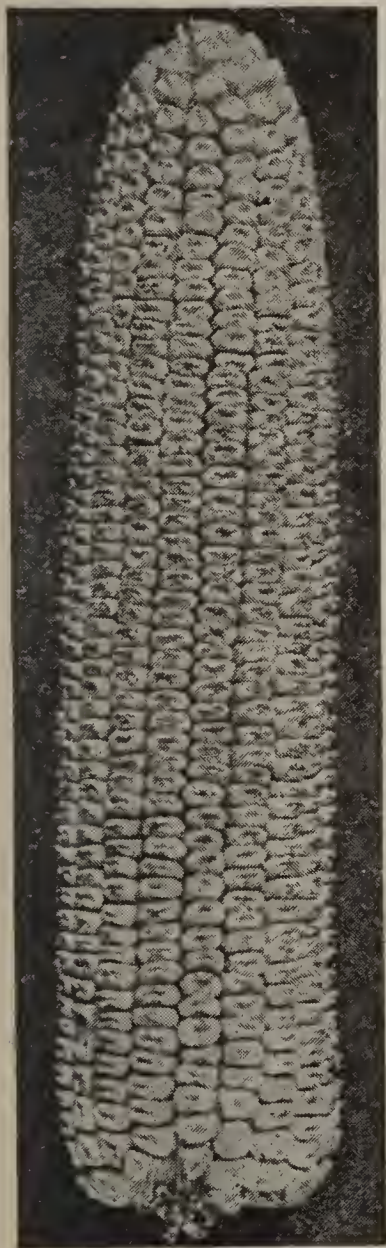
Alfalfa

Algeria

A new grain, very superior both as a grain and as a forage crop to any of the crops now being sown. Produces in most cases from 2 to 3 times as much grain per acre as the other grains, and as much as 12 times as much fodder per acre.

It makes a large soft grain, the largest heads ever produced by any crop. The heads weighing from $\frac{3}{4}$ to 1 pound, each making as high as 8 heads to the stool.

It makes a stalk from 4 to 5 feet, with leaves about twice the size of Indian Corn, and from 15 to 19 leaves to the stalk. Lb. 10c, not postpaid.



Texas King

Seed Corn

SURE CROPPER CORN—A truly remarkable drought resisting power. As old as is the history of corn growing in the South and Southwest is the search for a corn able to hold up and make a crop on the scanty moisture which we have in so many fields at some period of almost every season. In Sure Cropper we have found that corn. Lb. 15c, not postpaid.

GIANT WHITE RED COB—Makes a very large ear of the finest corn. Grains very large, deep, wide and thick, cob red, very popular wherever tried. We recommend this as being the finest variety of White Red Cob Corn. Has a very large, deep, wide, thick grain. Grains of medium size. Lb. 15c, not postpaid.

GIANT YELLOW—This beautiful yellow corn is deeply grained and very uniform in size. A sure cropper and good yielder. Matures in 90 to 100 days. Lb. 15c, not postpaid.

NATIVE SQUAW CORN—A drought-resisting variety, plantable in the summer months. It has blue and white grains, therefore not so desirable by the market gardener. However, it makes a sweet and very juicy roasting ear. Lb. 15c, not postpaid.

TEXAS GROWN JUNE CORN—The stalks under favorable conditions grow from 7 to 8 feet high, and yield from 30 to 60 bushels to the acre. For best results it should not be planted until June or July, as it stands the hot weather better than any corn. Seed can be produced at any time after May 15th. Lb. 15c, not postpaid.

CHAMPION WHITE PEARL—An extra early pure white variety of dent corn. Matures in 100 days from time of planting, is very productive and the ears are exceedingly heavy. The grains are extra deep and white, and the cob is very small. A great favorite. Lb. 15c, not postpaid.

DROUGHT RESISTER CORN—It is a white, early maturing, deep rooted, drought resisting corn, with medium size stalk; a corn that is easy to get a stand of, for it is a very hardy variety and a fast grower. Reese Drought Resister is an exceptionally deep-rooted corn with roots almost straight down, with an abundant root system, permitting plowing within 6 inches of stalk without disturbing the root system. It is almost impossible for a man to pull up a stalk of Drought Resister when in roasting ear. Lb. 15c; pk. \$1.50, not postpaid.

TEXAS KING—A 90-day white corn. A cross of Sure-cropper and Hickory King. A splendid drought resister and a very heavy yielder. We suggest that you plant some of this in comparison with your present corn. Lb. 10c, not postpaid.

SEMESAN JR.—For Field and Sweet Corn—A simple quick, inexpensive dust treatment with Semesan Jr. destroys harmful disease organism on the seed, protects seed from rotting in cold wet soil, controls seedling blight, reduces root and stalk rots and generally increases crop yields. Harmless to seed corn. Does not slow up rate of drop. Only 2 ounces necessary per bushel of seed field or sweet corn. Costs only $2\frac{1}{2}$ cents an acre.



PRICES	
4-oz. tin	.....\$ .50
1-lb. tin	..... 1.50
5-lb. tin	..... 7.00



ASK FOR
FREE BOOKLET

Popcorn

There is always a good market for Pop Corn, and every corn grower should plant it.

JAP-O-RICE—A newer variety. Cob small, grains long and slender. Used by nearly all commercial poppers. A really wonderful variety. Lb. 20c, not postpaid.

GIANT YELLOW or T.N.T.—Produces ears in great abundance on stalks nearly 6 feet high. It pops perfectly white. A single kernel will expand to nearly an inch in diameter. Lb. 25c, not postpaid.

Broom Corn

OKLAHOMA DWARF—This type has much less seed on it, and is on the upper one-third of the brush, allowing much cleaner threshing and bales weigh fully one-third more and make the finest smooth parlor brooms, and also contain enough heavier, coarse brush for house brooms. Lb. 20c, not postpaid.

STANDARD EVERGREEN—Is very early and when properly planted and cultivated has beautiful green brush and commands the highest price. Harvested by cutting. Lb. 20c, not postpaid.

Chapman Ranch Cotton Seed

(A Mebane Strain of Cotton)

1—Chapman Ranch Cotton Planting Seed is pure bred and State certified.

2—High gin turnouts, 38% to 43% lint, from clean dry seed cotton. Normal expectancy under average soil and weather conditions 40%.

3—Big bolls, 50 to the pound, making easy and rapid picking at low cost.

4—Good, hard, uniform cotton of desirable staple. A character of cotton that is always in demand and brings a premium.

5—A high degree of storm proofness and drought resistance.

6—Large acreage yield.

7—Grown, ginned and prepared under the personal supervision of a competent cotton breeder. 3-bu. sacks.

1 Bushel.....\$2.10
3-bu. Sack.....6.00

Non-Saccharine Sorghums

DWARF STRAIGHT NECK YELLOW MILO MAIZE—This variety is the most wonderful Milo Maize and stands the drought well. It is earlier than Kaffir Corn and White Milo Maize, and very prolific. Stock seems to prefer it to corn, and it has a laxative effect on them, keeping them in good condition.

Lb., 10c, not postpaid.

DOUBLE DWARF YELLOW MILO—Earlier than the old type Milo. The stalks are short, but large and stand remarkably well. The heads are large and the seed is larger or as large as the old type Milo. It will stand greater drought than most other sorghums and for that reason is adapted to dry farming. Should be extensively grown; in fact, every farmer should plant some of it.

Lb., 10c, not postpaid.

ARIZONA GROWN DOUBLE DWARF YELLOW MILO—Without a doubt the finest strain of Double Dwarf Maize that you can buy. You will find this seed as true to type as it is possible to produce same.

Lb., 15c, not postpaid.



Algeria

HEGARI, the NEW GRAIN SORGHUM—Some years ago when Kaffir Corn, Milo Maize and Feterita were introduced into the dryland farming crop catalog many people probably imagined that the limit in grain sorghum development had been reached; but that is almost certainly a mistake. We have abundant reason to hope for greater things yet. The new grain Sorghum Hegari, while it is too recent an introduction to justify settled conclusions, certainly promises in some respect, to out-merit all of its predecessors.

Lb., 10c, not postpaid.

ARIZONA GROWN HEGARI—The finest of Hegari grown. It will pay you big dividends to plant some of this splendid variety.

Lb., 15c, not postpaid.

TRUE DARSO—This wonderful Sorghum is neither saccharine nor non-saccharine. It originated in what is called a "sport" stalk brought in by a farmer in 1912 to the Experiment Station at Stillwater, Oklahoma. After 8 years experimenting Dean Knight stated it was the best silage and feed crop, and the people of Coryell County, Texas, seem to indorse same, as they are rather enthusiastic about it. It will cross with other grain sorghums if planted near them. Six pounds of seeds will plant an acre.

Lb. 10c, not postpaid.

DWARF BLACK HULL WHITE KAFIR—It makes a straight upright growth and has a strong stem with enormous wide leaves. The heads form at the top of each stalk. For the grain sow in rows 3 feet apart, 3 to 5 pounds of seed to the acre. For fodder sow one-half to one bushel, either broadcast or in drills.

Lb. 10c, not postpaid.

FETERITA—The best drought-resistant non-saccharine Sorghum, and pretty well known in this state. Earlier than Kaffir Corn, and a very heavy yielder. The grain is similar to Milo, but is pure white and also larger and softer. It does not shatter badly and yields as high as 80 bushels to the acre.

Lb. 20c, not postpaid.

Shrock Kafir or Sagrain

Fine for forage and ensilage, as it is quite sweet, and grows an abundance of broad, long leaves. It is a wonderful grain to stool out, not unusual for one seed to send up 6 to 10 stalks, each making a fine head of large, light brown grains, which make excellent stock and poultry feed. Drill at the rate of 3 to 5 pounds per acre.

Lb. 10c, not postpaid.

Algeria or Bishop Kafir

A cross between Maize and Kafir. Livestock eat the entire stalk with relish. The stalk is sweet, containing a large amount of sugar, and grows from 4 to 5 feet tall, with leaves about twice the size of Indian Corn and from 15 to 19 leaves to the stalk. Algeria has a corn root, only it goes straight down instead of spreading and will stand dry weather well, although it does exceptionally well in wet climates. Use about 5 pounds of seed per acre, thinning out to a stand similar to corn. It should be allowed to stool before working too much dirt to the roots.

Lb. 15c, not postpaid.

Shallu or Egyptian Wheat

Is very productive, making an enormous yield of grain and fodder. Shallu or Egyptian Wheat should be sown in drills 3 feet apart, using from 5 to 10 pounds of seed to the acre.

Lb. 15c, not postpaid.

Saccharine Sorghums

RED TOP or SUMAC CANE—This is the most popular variety for our State, and the one most generally planted. Seed is smaller than that of the Orange or Amber. Produces an immense quantity of fodder.

Lb. 10c, not postpaid.

EARLY ORANGE—This variety has taller and heavier stalks than any variety of cane. It is not quite as early as the Early Amber, but is a better producer, and is better for syrup-making.

Lb. 10c, not postpaid.

EARLY AMBER—This is the earliest sort, and makes fine hay, which is relished by all stock.

Lb. 10c, not postpaid.

JAPANESE HONEY DRIP—Known in some sections as Japanese Seeded Ribbon Cane. It makes an unusually large stalk, sometimes as large in diameter as Ribbon Cane and much taller. Yields as much as four to five hundred gallons of the very best syrup to the acre.

Lb. 15c, not postpaid.



Honey Drip



Soy Beans

BRABHAM—An early wilt-proof, disease-resisting variety. Very similar to Whippoorwills except much smaller seed requiring less for planting a given acreage. The foliage is valuable for hay.
Lb. 15c, not postpaid.

CLAY—The seeds of this variety are medium sized and cream or clay colored; vines grow long and very leafy. One of the best for enriching soil.
Lb. 15c, not postpaid.

Grass Seed

SUDAN GRASS—The great hay and forage crop. This wonderful new grass seems to be taking the country by storm. This grass has been grown very extensively in Texas the past season and has been tested out in a number of other States and the verdict is unanimous, everywhere it has been grown it spells success. It seems to grow successfully on all kinds of land, stands dry weather and does not blight under ample rainfall. Sudan Grass is thought to be the original wild form of the cultivated sorghums. It is an annual, the seed having to be sown every year. It looks very much like Johnson Grass when growing but has a different root growth. Johnson Grass reproduces itself from the underground root stalks as well as from the seed. Sudan Grass will not sprout from the roots after frost has killed the plant. Ranges in height from 5 to 10 feet, stems small and somewhat more leafy than Johnson Grass. Like sorghums it must be planted each spring; it dies when frost comes.
Lb. 15c, not postpaid.

BERMUDA GRASS—Almost everybody living in this section of the country knows this grass. It is planted as a lawn grass, and nothing will stand the sun better, or will make a prettier carpet, when kept short, than this grass. It is also very valuable as a pasture and hay grass, which heretofore had to be propagated by the roots.
Lb. 60c; 10 lbs. \$5.50; 100 lbs. \$35.00, not postpaid.

HULLED BERMUDA GRASS—Revolutionizing Bermuda lawn planting. A new process that removes the hull and promotes quicker germination. Results are rapid and sure. Tests show that this type will germinate fully within 8 to 10 days. It is more economical; half the quantity of seed required per 100 square feet of planting. The greatest obstacle to Bermuda lawn making from seed was the slowness of seed germination—the natural seed usually requires 3 weeks. With Hulled Bermuda seed, germination is as quick as Rye Grass.
Prices: Lb. 70c; 10 lbs. \$6.50, not postpaid.

Cow Peas

WHIPPOORWILLS—Has brown, speckled seed, easily gathered on account of the upright, bushy growth of the plants. The most generally planted pea on the market, being one of the earliest and best varieties on the market.
Lb. 15c, not postpaid.

CHINESE RED—This cow pea seems similar to the Iron variety due to its resistance to wilt and root-knot caused by eel worms. The seeds are small and red and set in the pods very closely. The plant grows erect making it easy to cut.
Lb. 20c, not postpaid.

AUSTRIAN WINTER PEAS—This variety of peas is fine to sow on black land to cover crop to plow under the green manure or for green feed for early spring. You may sow in the fall or early spring. One of its main advantages is that it can stand a great deal of cold weather.
Lb. 15c, not postpaid.

CREAM PEAS—This is the most beautiful table pea we have ever had the pleasure of offering our customers. It has given best satisfaction of any variety we have ever offered for table use, and very deservedly so, as there are none that can surpass it in splendid flavor. In point of yield they double the well known Blackeye, command a higher price on the market, cook quicker, and are in every way superior to it as a table sort. It grows in bunch form. The peas are of a cream color.
Lb. 15c, not postpaid.

BROWN CROWDER—An excellent bearer and vines make a splendid forage. Planted extensively as a dried pea.
Lb. 15c, not postpaid.

BLACKEYE—Grown extensively, as the dry peas find a ready market during the winter. The vines furnish excellent forage and produce in large quantities.
Lb. 15c, not postpaid.

Soy Beans

MAMMOTH YELLOW—Most popular, largest yielder. Grows 3 to 5 feet high. Should not be planted until danger of frost is past. For hay and as a soil builder sow 2½ bu. per acre broadcast; for beans plant 15 to 30 lbs. per acre in drills 3 feet apart.
Lb. 15c, not postpaid.

LAREDO SOY BEANS—A new variety of outstanding worth, particularly for making hay. The Laredo makes many slender branches and the plants are leafy, both of which go to make an ideal bean for hay. It is particularly adapted to sections where wilt and nematode are prevalent, as it has proven resistant to these troubles.
Lb. 15c, not postpaid.



Sudan

Directions for Using Fertilizer on Lawns

TO START A NEW LAWN—Apply broadcast 4 to 6 pounds per 100 square feet several days before sowing seed. Rake well into top soil and water in thoroughly. After growth starts make additional applications as recommended for established lawns.

TO FEED ESTABLISHED LAWNS—Apply broadcast 3 to 4 pounds per 100 square feet early in spring before the grass begins to grow. Make additional applications throughout the growing season at the rate of 1 to 2 pounds per 100 square feet every 4 to 6 weeks. These later applications may be mixed with dry sand, rich top soil or humus to form a compost. After applying, soak in thoroughly with heavy sprinkling to carry food down to feeding roots. This is very important.

Grass Seed—Cont.



Millet

ENGLISH RYE GRASS—Largely sown by our landscape gardeners for winter lawns on Bermuda soil. The Bermuda blades being easily affected by frost, become red and rusty looking, while English Rye during winter presents a most beautiful appearance, being of a vivid green, and as the Bermuda during April and May makes its appearance it overgrows the English Rye, causing the latter to decay and act as a fertilizer to the existing grass. It should be sown from September to March at the rate of 3 to 4 bushels of seed to the acre. Lb. 12c; 10 lbs. \$1.00; 100 lbs. \$8.00, not postpaid.

FANCY CARPET GRASS—(*Axonopus Compressus*)—A perennial, spreading by creeping stems which root at every joint, thus forming a close, compact turf. Flourishes on land short in lime, thrives under grazing and trampling. Will stand more close grazing, trampling, and overflow than any pasture grass known. On barren desert or piney wood plains will produce a perpetual grazing ground. It is not a weed or a pest; plowing under will destroy it completely. The Government says in any southern coastal plains or flat woods country this grass is better than Bermuda Grass. Grows 2 to 2½ feet high. Can also be used with good results on lawns, also golf courses.

Would advise all of our customers to give this wonderful grass a thorough trial. Sow in September or October; also in February, March and April, at the rate of 10 to 15 pounds per acre. Lb. 35c; 2 lbs. 65c, not postpaid.

Millet

FANCY BIG GERMAN—The most popular of all the Millet for hay or seed. It matures in 6 to 8 weeks after planting. If wanted for hay it should be cut while in bloom, as the hay quality decreases as soon as the seed hardens in the head. Our variety of Millet is best and you will find it superior to any variety. Lb. 20c, not postpaid.

HOG MILLET—The seed is large for a Millet and makes a rich food. Good for hogs or chickens. The seed ripens while the stem is yet green, so that if cut promptly you can get a crop of seed and also one of fodder or ensilage. Lb. 20c, not postpaid.

Peanuts



SPANISH—The earliest variety grown; pods are small, but remarkably well-filled and solid, and the yield per acre is very large. Can be cultivated with the plow. Because of its early habit and easy cultivation it is the best variety to grow for fattening hogs. Lb. 10c, not postpaid.

WHITE JUMBO—This is the standard variety for roasting. The peanuts are three

times as large as those of the ordinary Spanish peanut. The nuts proper grow in fine double-jointed hulls of beautiful appearance, are from one-half to one inch in length, and of fine flavor. An excellent variety, and worthy of the highest recommendation. Lb. 15c, not postpaid.

Rape Seed

DWARF ESSEX—This is considered the most desirable variety of Rape, and should be planted on every farm and in every garden. Furnishes rich, nutritious pasture and green feed 6 to 7 weeks after planting. Lb. 15c; 10 lbs. \$1.25, not postpaid.

Sunflower

MAMMOTH RUSSIAN—Produces very large heads, sometimes 15 inches across. The seeds are valued very highly as a feed for poultry and can be planted on a waste piece of ground any time in the early spring and until the middle of July. Should be sown at the rate of about 3 pounds to the acre. Lb. 15c; 10 lbs. \$1.00, not postpaid.

Field Beans

PINTO BEANS—Grown mostly for a dry bean but makes a good snap bean when the pod is young and green. Pods are flat and tender. Lb. 15c, not postpaid.

PINK BEANS—These beans are grown as a dry bean and find a ready market. Lb. 15c, not postpaid.

Use Armour's Fertilizers

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See page 24

Standard Weights of Grain

	Per Bu.		Per Bu.		Per Bu.
Alfalfa	60 lbs.	Corn, Sweet	45 lbs.	Peanuts, Spanish	30 lbs.
Barley	48 lbs.	Cow Peas	60 lbs.	Peanuts, Jumbo	22 lbs.
Beans	60 lbs.	Flax	56 lbs.	Peas, smooth	60 lbs.
Broom Corn	48 lbs.	Grass, Bermuda	40 lbs.	Peas, wrinkled	56 lbs.
Buckwheat	48 lbs.	Grass, Italian Rye	20 lbs.	Rape	50 lbs.
Canary Seed	60 lbs.	Grass, Johnson	20 lbs.	Rye	56 lbs.
Castor Bean	46 lbs.	Grass, Sudan	40 lbs.	Sorghum	50 lbs.
Clover	60 lbs.	Hemp	44 lbs.	Sunflower	32 lbs.
Corn, Field, shelled	56 lbs.	Millet	50 lbs.	Vetch or Tare	60 lbs.
Corn, Field, on ear	75 lbs.	Oats	32 lbs.	Wheat	60 lbs.

All of the above are sold by weight



**Germaco
Hotkaps**

HOTKAPS are waxed paper cones, easily set out in quantity over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain perfect mulch. Growth is forced and yield is increased 10 to 25%. Crops mature 2 to 3 weeks earlier and bring premium prices. Prices; 1000 for \$9.75; 250 package with setter and tamper, \$3.65; 100 package with setter and tamper \$2.40; steel setter \$1.50; garden setter 50c. Postage extra.

Flex-O-Glass



FLEX-O-GLASS costs only one-eighth as much as glass, is cut with ordinary shears, nailed on, easily removed and reinstalled. FLEX-O-GLASS pays for itself in a few days in extra chicks saved—but it lasts for years.

It doesn't pay to turn your chicks out in the spring rains, slush and snow to catch cold and die. Science has proved you cannot raise them successfully under glass. Put them in a brooder house with large FLEX-O-GLASS windows that will admit plenty of unskimmed sunlight. Every chick will stay healthy, free from rickets (weak legs) and other diseases. Their fast, strong growth will be amazing. Use 15 square yards of FLEX-O-GLASS—only \$5.00 worth—for 300 chicks. Also keep your hens in this coop next winter and gather eggs while they are high. Raise your early pigs under FLEX-O-GLASS. Give them actual sunshine indoors—Natures only health producer. FLEX-O-GLASS Hotbeds raise strong plants for transplanting. Frames are light, easily made, easily handled and hold heat better than glass. "FLEX-O-GLASS" marked on every yard assures perfect satisfaction, as its exceptional qualities are fully protected by patents.

1 Yard or more.....	per yard	\$.35
5 Yard Roll.....	per roll	1.35
10 Yard Roll.....	per roll	2.70
15 Yard Roll.....	per roll	4.05
25 Yard Roll.....	per roll	6.75



Kill

**JOHNSON GRASS
AND WEEDS**

Atlacide Non-Poisonous Weed Killer exterminates all undesirable vegetation—including poison ivy, etc.—as easily as watering a garden, without poison hazard to humans or animals. Simply mix with water and apply on any vegetation—weeds, grass, etc., with a sprinkling can or sprayer. Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters. 1 lb. 25c; 10 lbs. \$2.00, not postpaid.

Cyanogas

A gray powder giving off a poisonous gas when coming in contact with air. Kills ants, rats, moles and other rodents. Prices: ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00.

ACME DAWG-GONE

The purpose of Dawg-Gone is to keep dogs away from evergreens. Evergreens and especially arbor vitae are very easily



burned, leaving them greatly disfigured if not entirely killed. DAWG-GONE is a combination of rare chemicals releasing odor very distasteful to dogs.

Packed in Tubes.
1 tube----\$.35
3 tubes--- 1.00

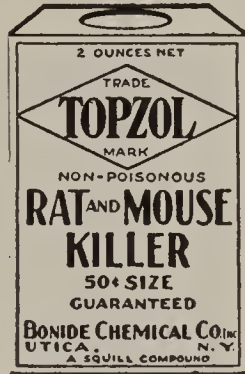
***Red Seal Rat Death**



RED SEAL RAT DEATH is not new or an experiment but has been successfully used in all work done by the International Exterminator Company who for 21 years have specialized in ridding institutions and large buildings of these pests. However, this is the first time it has been offered for sale to the home consumer and is filling a long felt want. It not only kills rats and mice but embalms and dries them up, thus leaving no odor.

2-oz. can.....	\$.50
8-oz. can.....	1.50

**TOPZOL
NON-POISONOUS**



TOPZOL—A new EXTERMINATOR that is NON-POISONOUS to humans, domestic animals, poultry, dogs or cats; but will kill rats and mice quick. TOPZOL drives them outdoors to die. Numerous materials and contrivances have been designed for the destruction of rats and mice, but few of them have proved to be of outstanding usefulness. When using a deadly rat poison the danger of poisoning one's self as well as livestock, poultry, pet dog or cat, is always present. This danger is done away with when using TOPZOL as a rat and mouse killer, as it contains no deadly poison; having the distinct advantage of being relatively HARMLESS TO HUMANS AND DOMESTIC ANIMALS and therefore can be used with assured safety around the home, barn, poultry house, warehouse or any rat or mouse infested building. TOPZOL is guaranteed to kill rats and mice and nothing else, when used according to directions. Purchase price refunded if it fails. 2-oz. can 35c, postpaid.

**TOPZOL
prepared
RAT BAIT**

READY FOR INSTANT USE

Package of Ten Prepared Baits Ready To Use.
No Mixing.
No Muss.
Pkg.15c

KILLS ANTS in the Nest!



ANTROL is easy to use, economical, safe around children and pets. It consists of small glass containers from which the worker ants carry special Antrol Syrup to the nests for food. The whole ant family is quickly killed at the source—the only way to get permanent relief. Controls sweet and grease-eating ants.

PRICES:

Antrol Sets containing 9 containers and 1 6-oz. bottle of Syrup.....	\$1.20
Antrol Syrup for Refilling:	
4-oz. bottle.....	.35
Pint.....	.85
Individual jars with syrup.....	.15
Regular Antrol Set, 4 jars with Syrup.....	.40

TO CONTROL GREASE-EATING ANTS

In some sections of the country there are certain species of ants that are attracted only to greasy foods, such as meats, butter, etc. These species can be successfully controlled by placing a small piece of cooked bacon in each Feeder along with the Antrol Syrup.



VERT FOR BETTER LAWNS — FLOWERS VEGETABLES AND SHRUBS

You can have better lawns, flowers, and vegetables, if you use hardy, disease-free seed and the right plant food.

Plants, like human beings, must receive the right nourishment. VERT provides an economical, practical, and effective way to secure finest results. Economical because the cost is only 10c to 20c for every 100 square feet. Practical because it is clean, odorless, easy to apply—can be sown by hand like grass seed or applied with an ordinary kitchen collander. Effective because it contains all of the elements of plant food required to produce early, vigorous growth and bring fruit, flowers, and foliage to full development. Complete direction in every bag.

100-lb. bag	-----	\$3.50
50-lb. bag	-----	2.00
25-lb. bag	-----	1.25

Armour's Fertilizers

NOTE—Prices on all fertilizers are subject to market changes.
Write for quantity prices.

ARMOUR'S SPECIAL GARDEN FERTILIZER—This is a special prepared fertilizer for the home gardener containing the proper proportion of various ingredients to produce early, vigorous growth and bring vegetables, fruit, flowers and foliage to full development.

Prices: 10-lb. bag 50c; 25-lb. bag \$1.00; 50-lb. bag \$1.50.

ACID PHOSPHATE—16%—It gives excellent results on nearly all crops but is especially recommended for use on grains and grasses.

Prices: Lb. 4c; 100 lbs. \$1.50.

BONE MEAL—Ground very fine. Acts very quickly. There is no better fertilizer for the home garden than this splendid material. Splendid for rose beds, pot plants, etc.

Prices: Lb. 5c; 100 lbs. \$2.35.

LIME (Hydrated)—For the sweetening and renovating of land that has become sour. It promotes growth and has a tendency to prevent weeds.

Prices: Lb. 2c; 40 lbs. 45c.

NITRATE OF SODA—A fertilizer very quick in action and used for the nitrogen it contains. Will mature a crop several weeks earlier and greatly improve it.

Prices: Lb. 6c; 100 lbs. \$2.75.

MURIATE OF POTASH—To be used liberally, especially for root crops.

Prices: Lb. 5c; 100 lbs. \$3.25.

AMMONIA SULPHATE—Contains approximately 25% ammonia (nitrogen). One of the highest nitrogen foods.

Prices: Lb. 6c; 100 lbs. \$2.75.

ARMOUR'S 6-12-6—A mixture for cotton and corn growers. Also used by truck farmers for potatoes, watermelons, tomatoes, etc.

Prices: Lb. 5c; 100 lbs. \$2.40.

ARMOUR'S 6-10-7—A mixture for the grower who desires a lower phosphate content. Prices: Lb. 5c; 100 lbs. \$2.35.

ARMOUR'S 5-15-5—A mixture for the grower who desires a higher phosphate content. Prices: Lb. 5c; 100 lbs. \$2.40.

ARMOUR'S 9-18-18—This brand has been especially prepared for such crops as require a quick, strong fertilizer. Especially recommended for potatoes, strawberries, watermelons, and all garden truck.

Prices: Lb. 6c; 100 lbs. \$3.50.



Stim-U-Plant



PLANT FOOD IN TABLET FORM

The modern efficient and scientific method of fertilizing all kinds and conditions of growing plants in home garden, orchard and on farms.

STIM-U-PLANT—Is a 26-grain tablet with a guaranteed chemical analysis of 11% Nitrogen, 12% Phosphoric Acid and 15% Potash. No other plant food contains anything like as high an analysis as this.

1. They give an exact feeding unit.
2. No messy mixing.
3. No unpleasant odor.
4. Maximum efficiency because no food-value lost in scattering, leaching, or run-off of soil surface-water.
5. Makes repotting of plants unnecessary as it replaces the food withdrawn by the growing plant.

Stim-U-Plant tablets are packed in four sizes:

- *Medium Size, 75 cents. Containing 100 Tablets.
- *Bucket, \$3.50. Containing 1,000 Tablets.

Postpaid



CROTOX

BIRD AND RODENT REPELLENT

Treats All Smooth Surface Seeds

Saves Seed Loss and Replanting



other seed-pulling birds and rodents, such as squirrels, woodchucks, moles, etc.

No need to replant seed when Bonide Cro-Tox is used. Birds and rodents will not molest seeds treated with Bonide Cro-Tox. Bonide Cro-Tox saves you expense and labor of replanting—assists you in preventing seed rot—aims and hastens germination. A guaranteed protection against seed pests at an insignificant cost of a few cents per acre.

½-Pt. can—treats 1 bushel seed	-----	\$.60
1-Pt. can—treats 2 bushels seed	-----	1.00
1-Qt. can—treats 4 bushels seed	-----	1.50

for bigger and better legume crops

inoculate
with



The Original Legume Inoculator

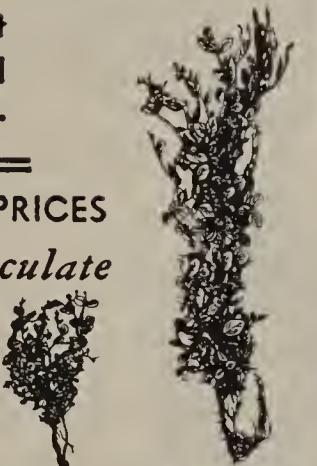
- Established in 1898
- Always Fresh—High Count
- Moist-Soil Culture—Approved
- Easy to Apply—Dependable.



NEW LOW PRICES

.. Will **NOW** Inoculate

1 lb. Alfalfa
or Clover Seed — Costs
even LESS for Soy Beans,
Cow Peas, Lespedeza, Vetch,
Peas or Beans



Not Inoculated "NITRAGIN"

● NITRAGIN INOCULATION PRICES ●
When Ordering Always Specify Name of Seed

Alfalfa, all Clovers	Retail
Size	
1/2 bu. ea.	\$.35
1 bu. ea. . . . .	.60
2 1/2 bu. ea.	1.25

Vetch, Austrian Peas, Canadian Peas, Beans	Retail
Size	
1/2 bu. ea.	\$.30
1 bu. ea. . . . .	.45
*1 1/3 bu. ea. . . . .	.70
5 bu. ea.	2.00

*"100 lb. size." Packed
only for Vetch and Peas.

LESPEDEZA Unhulled or Hulled	Retail
Size	
1 bu. ea.	\$.35
2 bu. ea. . . . .	.60
5 bu. ea.	1.25

Soy Beans, Cow Peas, Lima Beans	Retail
Size	
1 bu. ea.	\$.35
2 bu. ea. . . . .	.60
5 bu. ea.	1.25
10 bu. ea.	2.00
*25 bu. ea.	3.75

*"25 bu. size." Packed
only for Soy Beans, Cow
Peas.

Garden Size
NITRAGIN for
Garden Peas, Beans,
Sweet Peas, Lima
Beans and Lupines
Inoculates from 1 oz. to
8 lbs. seed.
Retail Price. . . .25c each

Oldest and Most Widely Used Inoculator in America

TREE TANGLEFOOT

STOPS ALL CLIMBING INSECTS

TREE TANGLEFOOT is a sticky material for applying in bands around the trunks of trees and vines to combat the climbing and creeping type of destructive insect pests, effectively controlling Canker Worms, Climbing Cut Worms, Gypsy Moth Caterpillars, Browntail Moth Caterpillars, Tussock Moth Caterpillars, Bag or Basket Worms and Cut Ants. It remains effective three to four months, outlasting 10 to 20 times any other material.



RECOMMENDED BY AUTHORITIES

Forestry experts, government experiment stations and large commercial orchardists the country over are included in our list of users and enthusiastic boosters of TREE TANGLEFOOT. Safe, Dependable, Long Lasting.

6-oz. can.	\$.25	5-lb. can.	\$2.75
1-lb. can. . . . .	.60	10-lb. can.	5.25

6% Formaldehyde Dust

FOR SOIL TREATMENT

Controls those diseases causing "Damping Off" of flower and vegetable seedlings and cuttings.. Use 1 1/2 oz. to square foot or 1 oz. to 30 foot row. Lb. 35c; 15-lb. drum \$4.50.

Prevent Disease Losses by Using Seed Disinfectants



SEMESAN

For Vegetable and Flower Seeds—Diseases often reduce germination and result in a poor stand, lowered quality and reduced yield of vegetables and flowers. Kill these harmful disease organisms on the seed with Semesan before planting. Semesan may be applied as a dust or liquid and is harmless to seeds. Effective in controlling damping-off of seedlings and certain cuttings. Full directions in can, for use on vegetable and flower seeds and bulbs. 2 oz. 50c; 1 lb. \$2.50; 5 lbs. \$13.00.

SEMESAN BEL

For Seed Potatoes—Effective in controlling such seed-borne disease as scab, rhizoctonia and black leg. Protects seed piece from rotting caused by certain soil-borne organisms, improves germination and usually produces a bigger crop of better quality. One pound treats 16 to 22 bushels of seed. 4 oz. 50c; 1 lb. \$1.75; 5 lbs. \$8.00.

CERESAN

For Seed Grains—Effective in controlling stinking smut and seed-borne flag smut of wheat; seeding blight of cereals caused by seed-borne scab; smuts of oats; covered smut and stripe of barley; kernel smuts of sorghums and millets; and seed-borne stem smut of rye. Seed may be treated in spare time. Ceresan is harmless to seed and does not injure grain drills; only 2 oz. needed per bushel of seed wheat, rye, sorghums or millets; 3 oz. for oats and barley. 1 lb. 75c; 5 lbs. \$3.00.

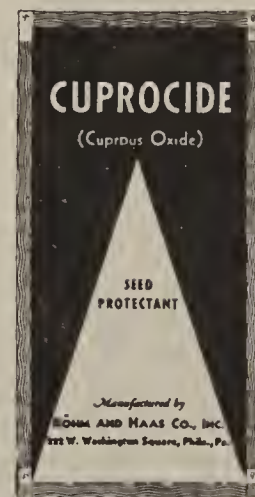
SEMESAN JR.

Corn Yields increased 10% by treating seed with New Improved Semesan Jr.—2 1/2 cents an acre for New Improved Semesan Jr. is a trifling investment to increase your corn crop 10%. In 51 tests on Corn Belt farms, this new ethyl mercury phosphate dust produced an average increase of 10% in yield. New Improved Semesan Jr. protects seed field or sweet corn against rotting; gives better stands; reduces losses from root rots. Easily and quickly dusted on seed at the rate of 2 ounces a bushel. There is a measuring spoon in larger sized tins; costs less than 3c an acre; does not reduce rate of drop in planting. 4 oz. 50c; 1 lb. \$1.50; 5 lbs. \$7.00.

Cuprocide

SEED PROTECTANT

A safe and effective fungicide used as a seed treatment for the prevention of "damping off." Many vegetable and flowers seeds are difficult to grow without loss of many of the seedlings from the fungous disease known as "damping off." Many times the soil is so heavily infested with fungi that the seeds rot before they have time to sprout and come up. To combat this fungous disease, coat or dust the seed with Cuprocide, which will keep the fungi away from young plants. Lb. 80c; 5 lbs. \$3.50.



Carbon Bisulphide

CARBON BISULPHIDE (High Life)—Used very extensively in fighting harvester and cut ants. Most effective if used after a good rain, pour carbon bisulphide into nest opening late in the evening and close up opening. Use from 1 quart to gallon depending upon size of nests. As a weevil control use 2 to 3 ounces to a 50-gallon drum. Qts. 55c; gal. \$1.75, not mailable.

Paradichlorobenze (P.D.B.)

A government-recommended control of the peach borer. Clean gum away from the tree trunk. Encircle the tree, two inches away from the trunk, with one ounce of P.D.B. and cover with fine dirt. Tramp down firmly. A weevil control (non-explosive) and more economical to use than High Life. Use two to three ounces in a barrel of grain. Should not be used on beans or peas that you desire to use for eating. Also recommended to oust moths out of beehives and clothes; acts as a deodorant. Prices: 1/4 lb. 15c; 1/2 lb. 25c; 1 lb. 45c.

SPRAYING PAYS

ACME Insecticides and Fungicides

A RELIABLE BRAND



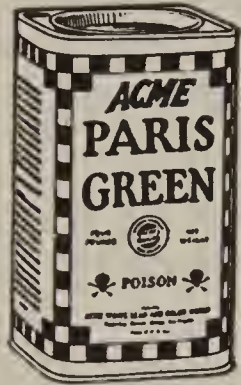
Acme Garden Guard

A garden insecticide and fungicide for use as a dust. No water, no mixing no fuss. Prices: 1-lb. sifter carton 35c; 4 lbs. 90c.



Acme Paris Green

A rich emerald color and of fine fluffy physical character. Containing 55% arsenious oxide, it will give quickest control where extreme measures are necessary. Prices: 1/4 lb. 16c; 1 lb. 50c; 5 lbs. \$2.00; 14 lbs. \$5.25.



Acme Two-Way Spray

A balanced insecticide and fungicide containing 14% arsenate of lead and 83% Bordeaux Mixture. Two results with one application. Prices: 1/2 lb. 20c; 1 lb. 30c; 4 lbs. 80c.



Acme Lime Sulfur

For use in dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, soot, blotch, red spider and mite. Prices: 1 lb., 30c; 5 lbs. \$1.30; 10 lbs. \$2.25; 25 lbs. \$3.50; 100 lbs. \$14.00.



Acme Spray Soap

A (fish oil) soap effective in destroying many sucking insects and lice on plants, trees, ferns, etc. Its use with Nicotine greatly increases the value of that spray. 1 lb. 30c; 5 lbs. \$1.10; 10 lbs. \$2.00.



Acme London Purple

A favored insecticide for 50 years. Now stronger and better than ever. Prices: 1/4 lb. 15c; 1 lb. 30c; 4 lbs. 60c.

Acme Arsenate of Lead

The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Prices: 1/2 lb. 18c; 1 lb. 30c; 4 lbs. 70c; 100 lbs. \$13.50.



Acme Bordeaux Mixture

Prevents large losses caused by blight, rot, mildew, scab, anthracnose, and certain other fungous diseases. It stimulates plant growth and greatly increases the harvests. Prices: 1 lb. 25c; 4 lbs. 60c.

Acme All Round Spray

All round spray contains the three leading remedies used by all large growers: Arsenate of Lead, Nicotine Sulphate and Bordeaux Mixture. 1/4 lb. 35c; 1 lb. 75c.

Acme Calcium Arsenate

The cheapest arsenical insecticide on the market but of great economy and efficiency for certain purposes. The accepted dust for boll weevil poisoning on cotton; also recommended to combat chewing insects. Prices: 1/2 lb. 13c; 1 lb. 22c; 4 lbs. 50c; 100 lbs. \$8.50.

ACME DUSTING SULPHUR—For mildew, black spot on roses and other plant diseases. 3-lb pkt. 45c.

Wettable Sulphur

To be used in water for the control of such fungicidal disease as are susceptible to sulphur. For stone fruit, use 2 to 4 pounds. to 50 gallons of water For apple and pear, use 3 to 8 pounds in 50 gallons of water. WETTABLE SULPHUR may also be used as a dust or mixed with Arsenate of Lead. Always add 4 pounds of Hydrated Lime to each pound of Arsenate of Lead when used either as a liquid spray or a dust. Lb. 20c; 10 lbs. \$1.50; 100 lbs. \$12.50.



DRY MILLED SULPHUR—Used as a fungicide, also for blight or mildew on roses. Lb. 10c; 3 lbs. 25c; 14 lbs. \$1.00; 100 lbs. \$5.00.

“BLACK LEAF 40”—A concentrated solution of nicotine sulphate for combating aphid or plant lice. 1-oz. bottle 35c; 5-oz. bottle \$1.00; 1-lb. can \$2.25; 2-lb. can \$3.25; 5-lb. can \$5.85; 10-lb. can \$10.60.

TOBACCO DUST—Effective against cabbage fly and worms. Lb. 8c; 10 lbs. 60c; 100 lbs. \$5.00.

COPPER SULPHATE (Blue Stone)—Used for making Bordeaux Mixture. Lb. 15c; 10 lbs. \$1.25; 25 lbs. \$2.50; 100 lbs. \$8.50.

COPPERAS (Sulphate of Iron)—A splendid neutralizer of alkali in the soil. Use 200 to 400 pounds per acre; also fine for lawns. Lb. 5c; 25 lbs. \$1.00; 100 lbs. \$3.00.

SNAROL

Sure Death to Garden Pests

Cutworms, Sowbugs, Grasshoppers, Slugs, Snails, Earwigs, Etc., Are Quickly Exterminated

SNAROL is a ready-prepared meal that you simply broadcast on the ground, under the vegetation. Pests eat it at night and are quickly destroyed.

SNAROL will not deteriorate from rain or sprinkling. Thus it lasts longer and is more economical. Requires no preparation. It is non-injurious to vegetation when used according to simple directions.

PRICES

1 1/2-lb. packages	-----	\$.35
3 -lb. packages	-----	.60
15 -lb. bags	-----	2.25
50 -lb. bags	-----	6.00



HEXPO

Hexpo is an improved balanced combination spray for combating chewing insects and fungus diseases in one application. It is in dry powdered form and can be used as a dust or it mixes readily with water.

DOUBLE DUTY (2-in-1) HEXPO is the strongest and safest combined preparation to use for the prevention of certain fungus disease and chewing insects. It kills bugs and prevents blight at the one operation—a big saving in time and labor, the most expensive items of spraying. HEXPO should be used wherever possible to reduce spraying costs. It possesses superior suspension qualities, uniformity and fineness to any home-made combination. Not mailable.

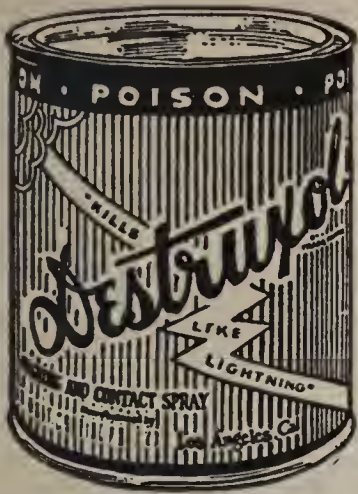
1-lb. pkg.	-----	\$.35
4-lb. pkg.	-----	1.20



Acme Aphid Spray

A combination of Nicotine Sulphate 40% and Fish Oil Soap for use on vegetables, roses, vines, flowers and shrubs to control aphid, thrip, leaf hopper and young scale. 3-oz. Tube ----- \$.35
12-oz. Tube ----- .90

Destruxol



This is one of the finest sprays we know for use against such common garden pests as aphids, thrips, lice, red spider, leaf roller hoppers, mealy bugs and mildew. It contains Nicotine Sulphate, Cyanide, etc., the Cyanide giving off fumes which reach insect life on the under side of foliage. Destruxol may be used at all seasons with entire safety although the warmer the weather, the greater is the fuming action. There is little chance of burning or checking growth and on roses or other hardy subjects, the solu-

tion may be used at double strength. Use 1 large teaspoonful of Destruxol to 1 gallon of water.

1 oz. makes	5 gallons spray	-----	\$.40
2 oz. makes	10 gallons spray	-----	.65
1/4 pt. makes	25 gallons spray	-----	.90
1/2 pt. makes	50 gallons spray	-----	1.65
1 pt. makes	100 gallons spray	-----	2.50
1 qt. makes	200 gallons spray	-----	4.25

Must be sent via express. Not mailable

Non-Arsenical Insecticides

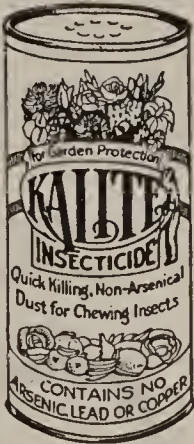
KALITE—A quick-killing dust for control of chewing insects. Contains no arsenic. Safe to use.

Prices: 1 lb. 35c; 3 1/4 lbs. \$1.00.

Quicker,
Safer and
Easier



KALOIL—For sucking insects, such as Aphis (plant lice). Kills on contact. Needs no soap or special preparation. Non-poisonous. Prices: 1 1/2 oz. 35c; 6 oz. \$1.00.



KALO SPRAY—An efficient, non-arsenical spray. Controls most chewing insects. Safe to use. Prices: 1/2 lb. can 35c; 4-lb. bag 90c. Not mailable.



KAOLITH—Replaces Lead Arsenate Spray for most uses on fruits and vegetables. Mixes readily with water. Usual strength for most purposes, 1 pound KAOLITH to 50 gallons of water. Prices: 1/2 lb. 35c; 4 lbs. \$1.75. Mailable.

CUBOR

NON-POISONOUS INSECTICIDE

CUBOR—Is a non-poisonous insecticide adapted for the control of a wider range of leaf-eating and sap-sucking insects than any other single product. As a single broad use product, it replaces a majority of the materials formerly needed for specific pests. One pound will make from 25 to 100 gallons of spray according to strength needed. 1/2-oz. Pkg. 10c; 2-oz. pkg. 35c; 1-lb. pkg. \$1.25; 4-lb. pkg. \$3.20.

CUBOR DUST—For Dusting—1-lb. pkg., 20c; 10 lbs., \$1.90; 25 lbs., \$4.50.



KILLS

Leaf-Eating and
Sucking Insects

There are two distinct classes of insects—the chewing "eating" kind and the sap "sucking" kind. A different insecticide used to be necessary for each class. Now "Green Tox 50" kills both. It kills the sap-sucking kind by contact and the chewing kind by stomach poisoning

"Green Tox 50" is non-poisonous to humans, animals and birds, but sure death to "chewing" and "sucking" insects. No danger from eating fruit or vegetables sprayed with Green Tox 50.

1 oz.-----	\$.35—makes	30 quarts
6 oz.-----	1.00—makes	45 gallons
1 pt.-----	2.00—makes	120 gallons
1 qt.-----	3.50—makes	240 gallons

Mailable



SHEPS PLANT SPRAY

(NON-POISONOUS)



Get rid of destructive insects. Use SHEPS Plant Spray. Kills and controls both sucking and chewing insects but absolutely harmless to humans, birds, animals and pets. Will not "burn" delicate leaves or flowers. Makes green, healthy, lustrous foliage. No soap solution needed—simply mix with water.

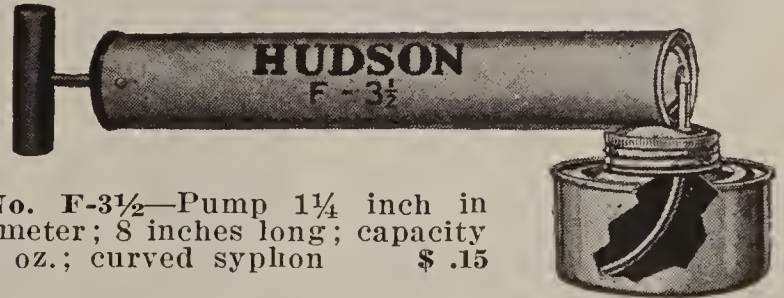
PRICES POSTPAID

2-oz. Bottle (makes 4 gals. Spray Solution).....	\$.35
8-oz. Bottle (" 16 " " ").....	.75
Plnt Bottle (" 32 " " ").....	1.25
Quart Can (" 64 " " ").....	2.00

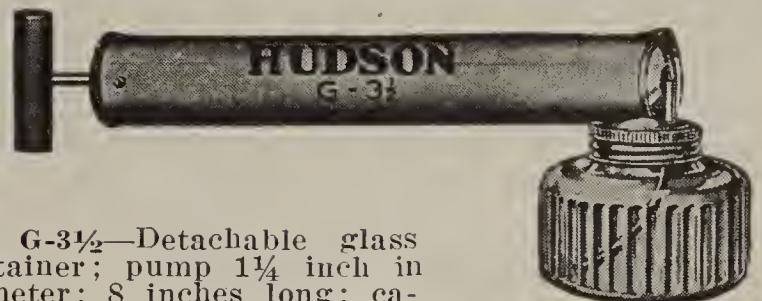
1 1/2-oz. bottle----- 25c

Hudson Hand Spray Pumps

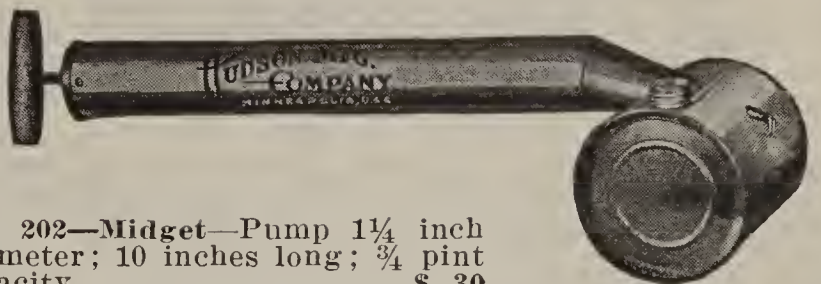
These hand spray pumps are well made and especially adapted for use in and about the home. Handle all kinds of liquid satisfactorily.



No. F-3 1/2—Pump 1 1/4 inch in diameter; 8 inches long; capacity 3 1/2 oz.; curved syphon \$.15



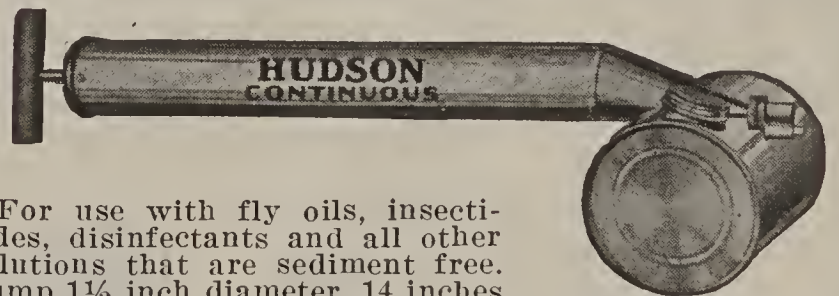
No. G-3 1/2—Detachable glass container; pump 1 1/4 inch in diameter; 8 inches long; capacity 3 1/2 oz.; curved syphon-----\$.20



No. 202—Midget—Pump 1 1/4 inch diameter; 10 inches long; 3/4 pint capacity -----\$.30

No. 452—Misty—Pump 1 1/2 inches diameter; 14 inches long; 1 quart capacity----- .45

Hudson Continuous Spray Pump



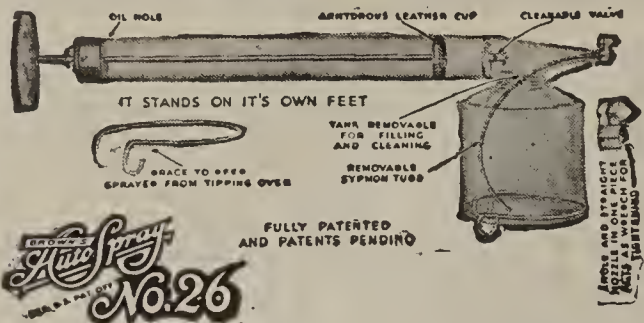
For use with fly oils, insecticides, disinfectants and all other solutions that are sediment free. Pump 1 1/2 inch diameter, 14 inches long. Fitted with brass syphon tube and nozzle to prevent corrosion. Adjustable for any type of spray from fog to solid stream. Absolutely will not spit. No. 432—Tin container, 1 quart-----\$.75

Hudson Powder Duster



A strong constructed, very efficient duster for the home gardener. Dusts any kind of powder. No. 651—Corporal, 1 1/4-in. diameter, 5-in. stroke----\$.20 No. 660—Signal, 1 1/2-in. diameter, 7-in. stroke----- .30 No. 663—Cadet, 1 3/4-in. diameter, 8-in. stroke----- .60

It Sprays Continuously



The Continuous Sprayer has a feature which will give you a continuous spray as long as there is any air left in the tank, and for this reason is used a great deal, as it is not fatiguing to operate same.

No. 263—Continuous Sprayer (not postpaid)-----\$.90

Brown's Atomist



The Atomist Lacquer Sprayer is adaptable for use in touching up around the house—for spraying furniture, small work automobile fenders and especially for quick touch-up jobs. The leather diaphragm prevents lacquer from clogging in the spray head and the removable valve cap on top of pump cylinder permits cleaning of ball valve. Made with lithographed pump cylinder and glass tank. This sprayer can also be used with disinfectants and insecticides. A valuable Sprayer around the home. Capacity 1 qt; lithographed tin cylinder, glass tank. Each -----\$.90

Crystal Duster



A very practical, inexpensive duster of new design. It is of simple construction, single acting. USES—For spraying dust on small garden plots, rose bushes or in any place where dust is to be applied in small quantities. It is especially adaptable for use in applying insect powders. Shipping weight 3 pounds. Quart size -----\$.90

Hudson Modoc Bucket Pump

Best all-around Bucket Pump on the market; made of good heavy brass material, and will last a lifetime; it is the best all-around pump for the poultryman and gardener.

No. 122—Modoc -----\$3.90
No. 132 ----- 4.00
Shipping Weight 7 Lbs.

Angle Fog Nozzle

This nozzle is especially recommended for spraying the underside of leaves of vine crops.

Each -----\$.75
No. 60—White Wash Nozzle... 1.00
No. 71—Bordeaux Nozzle..... 1.00

HUDSON ADJUSTABLE APHIS NOZZLE—May be used with any of our compressed air sprayers, bucket pumps, barrel pumps, or wheelbarrow outfits. Provides the proper angle of discharge for reaching the undersides of leaves, plants, etc., necessary for controlling Bean Beetle, Melon and Cabbage Aphid and similar pests. It has standard ¼-inch iron pipe threads. No. 165—Hudson Adjustable Aphis Nozzle—each -----\$1.30

Hudson Perfection Sprayer

Has a tank made like a steam boiler. The all-riveted seams give the necessary strength for developing high pressure which is absolutely essential for good results. This all-brass pump is placed inside the tank and is easily removed.

For work of any kind requiring a high pressure compressed air sprayer the Perfection is supreme. It can be used around the house and yard, in the barnyard and outhouses, on truck farms, in vineyard, potato, onion and melon fields, and all sizes of orchards. Shipping weight 12 lbs.



No. 140-G—Galvanized Tank, 2½ Gallons-----\$4.95
No. 140-B—Brass Tank, 2½ Gallons----- 7.15
No. 110-G—Galvanized Tank, 4 Gallons----- 6.25
No. 110-B—Brass Tank, 4 Gallons----- 9.60

Hudson Sterling Sprayer

HUDSON ECONOMY SPRAYER—Offers all the essentials of a high pressure compressed air sprayer at a minimum cost. Made of high quality material throughout, simplicity of construction with resulting lower costs permitting its attractive price. Adapted for all classes of work.

No. 115-G—Galvanized Tank, 3½ Gallons-----\$4.60
No. 115-B—Brass Tank, 3½ Gallons----- 6.75

Hudson Thrifty Sprayer

No. 120-G—Galvanized Tank, 2¼ Gallons-----\$3.90

Brown Auto Spray

Has a tank made of heavy non-corrosive sheet brass or galvanized steel, air pump and syphon tube of seamless brass tubing; pump handle of sturdy malleable iron. The air pump located inside solution tank is made absolutely airtight by a locking device of collar and locking nut of brass. Capacity of tank 3½ gallons. Shipping weight, 12 lbs.

No. 9B—Brass tank---\$7.50
No. 9D—Galvanized tank----- 5.00
No. 50D—Galvanized 2 gal.----- 3.50
No. 50B—Brass tank 2 gal.----- 5.00
Shipping weight, 7 lbs.



Hudson Du-More Sprayer

A new continuous, high-pressure Knapsack Sprayer with large air chamber made of brass.

Capacity 4 gallons. Discharge equipment, 3-ft. spray hose, 2-ft. iron extension rod, shut-off valve and brass angle fog nozzle. Shipping weight 10 pounds.

No. 147-G—Galvanized Tank-----\$12.95
No. 147-B—Copper Tank----- 17.95



Hudson Barrel Spray Pump

In our No. 4, we have developed a pump that will meet every requirement of a permanent Barrel Pump. It is powerful, light and durable and will develop better than 250 lbs. pressure with ease. Can be used with either one or two lines of hose.

No. 45-A—Outfit consists of No. 4 Pump, 6 ft. $\frac{3}{8}$ -in. Sprayer Hose, Fog Nozzle, and a 4-ft. extension rod. \$12.00.

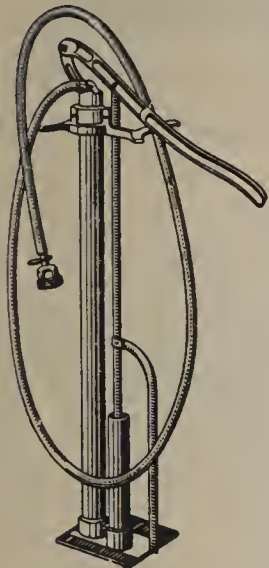


Brown Barrel Spray Pump

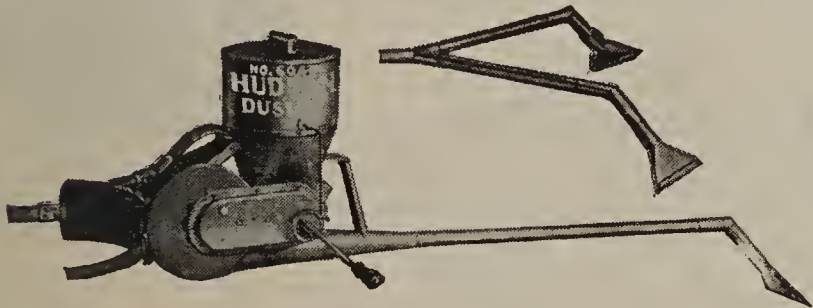
Brown's Auto-Spray No. 4— Because of special design this pump is light in weight and consequently it is comparatively inexpensive. However, it is durable and sturdy in construction. Auto-Spray No. 4 accommodates one lead of hose although it can be used with an attachment for using two nozzles in a cluster. The long air chamber stores up reserve pressure so that nozzle throws a continuous spray. Agitator is

automatic in operation and functions as long as the pump is being operated.

Pump cylinder $1\frac{1}{2}$ inches in diameter. Valves at bottom of pump are of brass and are in a brass casting. Plunger head brass. Casting on top of pump and air chamber of iron. Packing is a graphite composition. Shipping weight 25 lbs. Price \$12.00.



Hudson Crank Duster



The No. 604 Duster develops an unusually powerful air blast. It delivers more than enough air at the nozzles to prevent clogging, and to break the powder into a fine dust. It has two agitators, one oscillating, one rotary. The oscillating agitator keeps the powder from caking in the hopper. The rotary agitator feeds the powder down into the delivery spout. Indicator has a very wide range of adjustment. Capacity, 5 to 10 pounds, depending upon density of powder used.

No. 604—Shipping weight, 15 pounds-----\$13.50

Planet Jr. No. 4 Combined Hill and Drill Seeder and Single Wheel Hoe



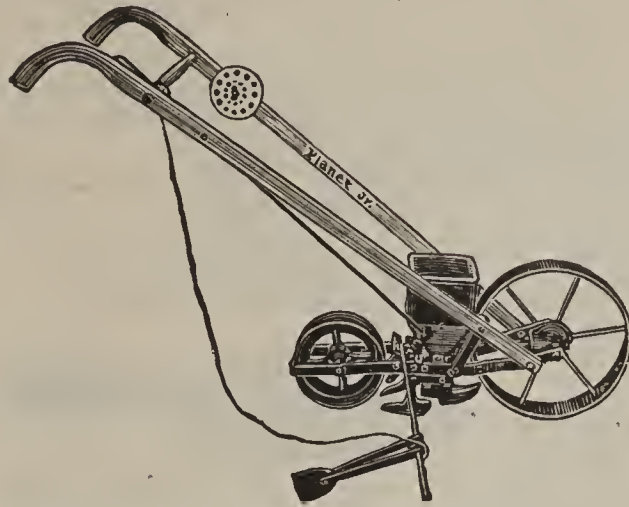
The No. 4 is a combination of the most useful tools for a moderate sized garden. It plants almost all vegetable seed in continuous rows

or in hills four, six, eight, twelve or twenty-four inches apart. A plow adjustable for depth opens a straight narrow furrow, the seeds are dropped in it, are covered and the soil firmed and the next row marked out all in the same operation. Converted into a Single Wheel Hoe by changing one bolt.

Cultivating equipment includes all the essential equipment for hoeing, weeding, cultivating, plowing, furrowing, ridging, etc. The tools are oil hardened and tempered and will wear almost indefinitely.

No. 4—Complete -----\$16.75
No. 40—Planter only-----13.50

Planet Jr. No. 300-A Seeder



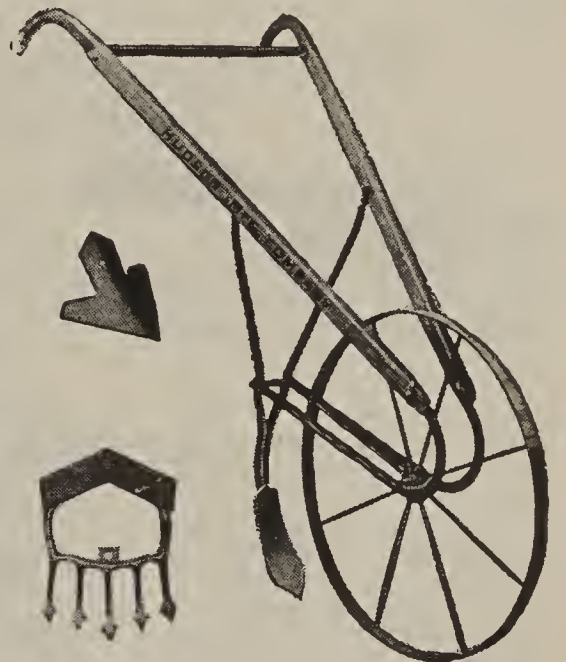
The No. 300-A sows through holes in a thin seeding plate; 3 seeding plates; 3 plates each with 13 holes provides ample adjustment for any seed. Many exclusive features contribute to make this the most accurate and satisfactory seeder for commercial growers.

No. 300-A—Planter only-----\$18.75

Hudson Garden Plow

A counterbalance plow, with a 24-inch high wheel made of the very best material and most careful workmanship. This is a good strong, durable tool and can be used in the largest gardens. Is very popular and the best of its kind. Shipped with tools as shown.

Weight 28 pounds.
No. 242-----each \$3.75



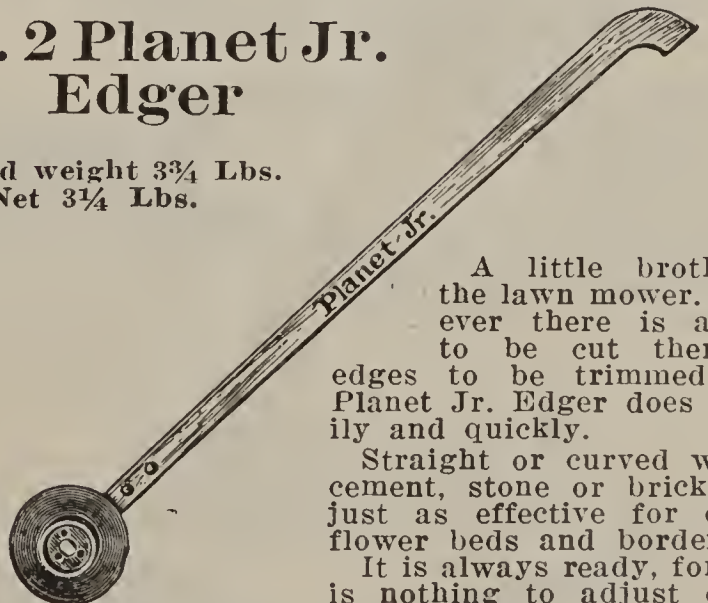
Cyclone Seed Sower



A machine of very simple construction. This seeder will sow any seed that is sown broadcast, such as Oats, Wheat, Rye, Millet, Clovers, Grass Seeds, etc. It can be very easily adjusted to suit seed being sown. We sell a world of them every year and our customers say they give good satisfaction. \$2.25 each, customers paying transportation charges. Mailing weight 6 pounds.

No. 2 Planet Jr. Edger

Packed weight $3\frac{3}{4}$ Lbs.
Net $3\frac{1}{4}$ Lbs.



A little brother to the lawn mower. Wherever there is a lawn to be cut there are edges to be trimmed. The Planet Jr. Edger does it easily and quickly.

Straight or curved walks—cement, stone or brick. And just as effective for edging flower beds and borders.

It is always ready, for there is nothing to adjust or get out of order. And the cutting disc is well sharpened and tempered.
Each -----\$1.50

Garden Success

DEPENDS A GREAT DEAL ON YOUR GARDEN TOOLS AND HOW YOU USE THEM

Efficient Garden Tools

are inexpensive. They save lots of labor and lots of bruises. They are well worth the small cost. When you send in your order for flower seeds order the trowels and other small supplies you need.

Moe's Garden Trowels

No. 80 — Garden Trowel. One-piece pressed steel. Handsomely finished in baked enamel. Length of blade 6 inches. Ground and polished points. Each, 10c; shipping weight, 8 ounces.



Moe's Transplanting Trowels

No. 81—Transplanting Trowel. One-piece pressed steel. Handsomely finished in black and baked enamel. Length of blade, 6 inches. Width 1 3/4 inches. Ground and polished points. Each, 10c; shipping weight, 7 ounces.

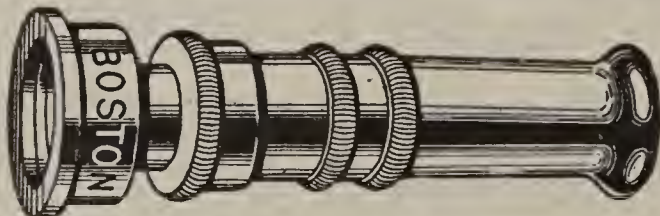


Moe's Garden Weeder

No. 82—Garden Weeder. One-piece pressed steel. Handsomely finished in black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. Ground and polished points. Each, 10c; shipping weight, 7 ounces.



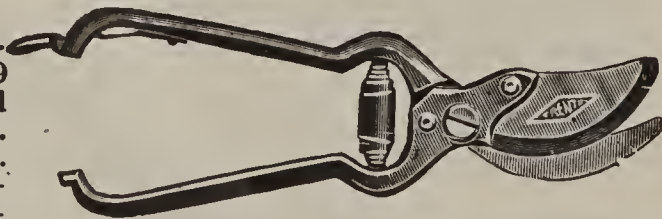
Hose Nozzles



HOSE NOZZLE—Boston Pattern Brass Hose Nozzle. 75c each; shipping weight 10 ounces.
PEORIA—Same pattern as Boston but lighter construction. Shipping weight, 8 ounces. 65c each.

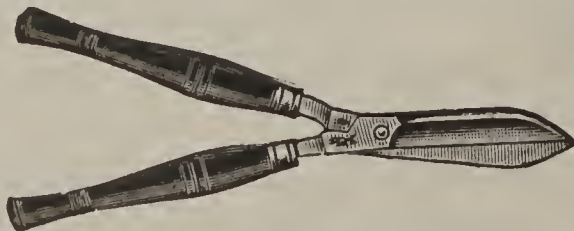
Pruning Shears

California pattern. Length, 9 inches, tempered tool steel blade. Volute spring. Adjustable ratchet nut. Black Japanned handles. Weight 1 pound.
No. 313.....Each \$.60



Hedge Shears

Blades hand forged crucible steel, notched, off-set shank. Tangs bolted clear through the wooden handles.

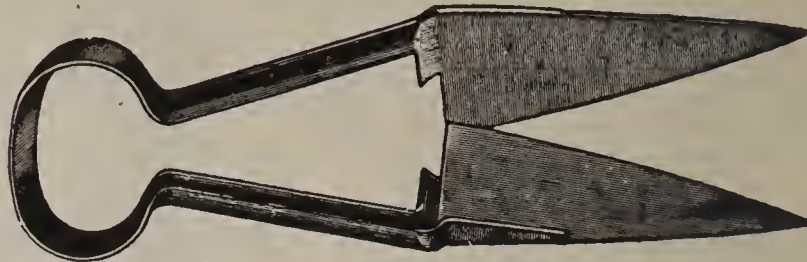


6 inch, Plain Handle, weight 4 pounds.....\$1.00
6 inch Polished Handle, weight 4 pounds..... 1.40
8 inch, Plain Handle, weight 5 pounds..... 1.40

Pruning Saw

PRUNING SAW—The ideal saw for pruning, having a 15-inch curved blade. \$1.25 each.

Grass Shears



Hand forged from cutlery steel. Blades 6 inches long, ground and set, and full polish.
Plain Hand Forged, weight 12 oz.....\$.45

Flower Pots

We pack as carefully as possible but they are shipped at purchaser's risk of breakage. Shipping charges not prepaid. Add 20% to these prices for packing charges.

Each	Each
2 in.....\$.03	9 in.....\$.35
3 in......03	10 in......40
4 in......05	12 in......75
5 in......06	14 in.....1.15
6 in......10	16 in.....1.50
8 in......20	

Pot Saucers

Each
4 in.....\$.04
6 in......05
8 in......10
10 in......15
12 in......20
14 in......35
16 in......40



Fern or Begonia Pots

They are not as deep as the regular flower pots and are used a great deal for growing Ferns and Begonias in; also Asparagus Plants, etc.

Each	Each
6 in.....\$.10	12 in.....\$.40
8 in......15	14 in......55
10 in......25	16 in......75

SPAGNUM MOSS

Used for hanging baskets of packing plants or bulbs for shipping purposes.
Lb., 30c



Granulated Peat Moss

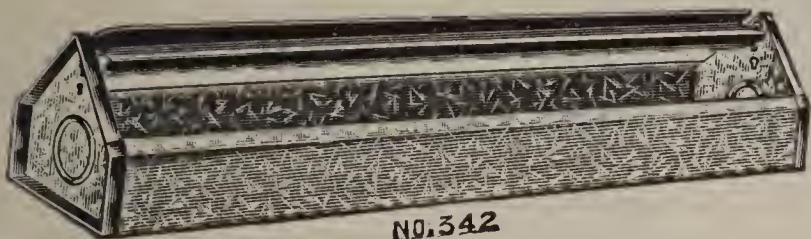
Something new which is just coming into general use. Imported Peat Moss is a brown, soft and spongy matter, formed years ago by the decay of mosses and other vegetable matter. It has high fertilizing value; holds moisture and is especially valuable for waxy lands. One bale is sufficient to cover 240 square feet one inch deep. The bale weighs approximately 140 pounds. Ideal for potting bulbs, either to be grown in water or under soil conditions. 5c per lb.; \$3.00 per bale, f.o.b. San Antonio.

RAFFIA

For bunching vegetables and tying flowers and vegetables to supports. We handle only the best grade. Lb. 45c; 5 lbs. \$1.75, postpaid. Not prepaid: 10 lbs. \$3.00; 25 lbs. \$6.50.

Square Bottom Chick Trough

WITH METAL Z REEL



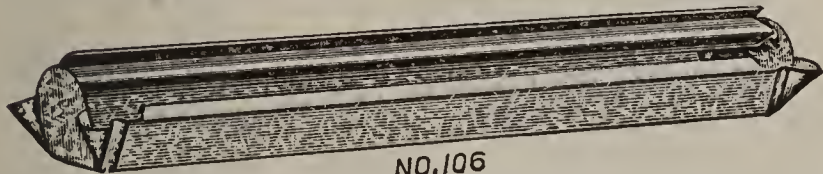
NO. 342

Revolving metal reel prevents chicks roosting or getting into trough; reel adjustable to 3 positions; will feed day-old chicks or 8-weeks old; a real all-purpose feeder at a low price.

Trough of 26-gauge galvanized steel is 4 inches wide and 2 inches deep; turned flanges along trough edges prevent feed waste.

- No. 342—2 ft. long, each ----- \$.40
- No. 343—3 ft. long, each ----- .50
- No. 344—4 ft. long, each ----- .60

Winner Chick Trough



NO. 106

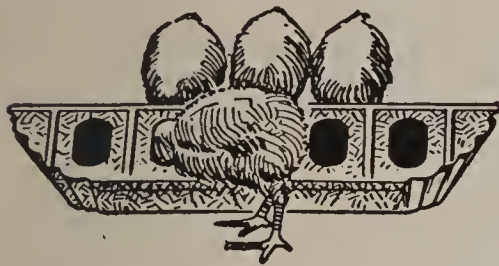
Trough is made of heavy gauge galvanized steel; die stamped in one piece; holds either feed or water; turned flange along trough edge is folded—no sharp edge. Flange prevents feed waste.

Revolving metal reel is "Z-shaped" for strength; will not warp or stick; prevents chick from roosting or getting into trough.

Trough is 1½ inch deep, 2½ inches wide at bottom and 3½ inches wide at flange upturn. A big value. The price is surprisingly low.

- No. 104A—10 in. long, each ----- \$.15
- No. 105A—18 in. long, each ----- .20
- No. 106A—24 in. long, each ----- .25

Oakes' Chick Feed Troughs



These troughs are ideal for feeding chick starter to baby chicks. Trough is stamped out of one piece of heavy galvanized steel without seams. Very easy to keep clean. The grate is a separate piece and slides on and off easily. Prevents waste of

feed. Made of galvanized steel for dry feed and heavy charcoal tin for feeding milk.

MASH FEEDER

- No. 71—Galvanized, 10-inch, each ----- \$.15
- No. 72—Galvanized, 20-inch, each ----- .25
- No. 71A—Tin, 10-inch, each ----- .25
- No. 72A—Tin, 20-inch, each ----- .40

Oakes' New Chick Troughs



A new inexpensive chick trough. Made of galvanized iron with galvanized cross wire welded on. Ends are soldered on so that trough can be used for either feed or water. Easy to fill and clean. Cross wire prevents chicks from getting into trough or soiling feed.

- No. 5120—18-inch, each ----- \$.25
- No. 5124—22-inch, each ----- .30

Oakes' Feeders for Growing Chicks



Made of steel, 4 feet in length, capacity about 12 qts. Wires 2 inches apart prevent fowls getting into trough. No. 6A—Without lid, each ----- \$1.00

Oakes' Inexpensive Chick Feeder



This feeder is made in three sizes, 21 inches, 35 inches and 42 inches in length. Sloping top prevents roosting and slides off for filling or cleaning. V-shaped bottom throws feed toward the outside and prevents clogging. 21-inch size has 32 feeding spaces; 35-inch size has 50 feeding spaces; 42 inch size has 68 feeding spaces.

- No. 36—21-inch, each ----- \$.85
- No. 37—35-inch, each ----- 1.20
- No. 375—42-inch, each ----- 1.50

Oakes' Capacity Chick Feeder



Saves time, labor and feed for large flocks of chicks. Double feeding space with 25 feeding spaces on each side; wires extend into hopper so that chicks in eating shake down the mash and prevent clogging; hinged lid on top; capacity 75 lbs. of mash; length 48 in.; height 12 in.; width at bottom 11 in.

- No. 848—48-in. size, capacity 75 lbs., each ----- \$4.00

Oakes' Growing Chick Feeder



This new feeder is decidedly popular in all parts of the country for feeding dry mash and all kinds of ground feed to growing chicks and mature fowls.

fills from the top. Feed flange can be raised or lowered to feed either fine or coarse feed. Feed cannot be thrown out and wasted. Cannot clog, as all feed is forced out under the openings by the V-shaped bottom. Chicks feed from both sides. Lid is hinged. Tippler prevents roosting on top.

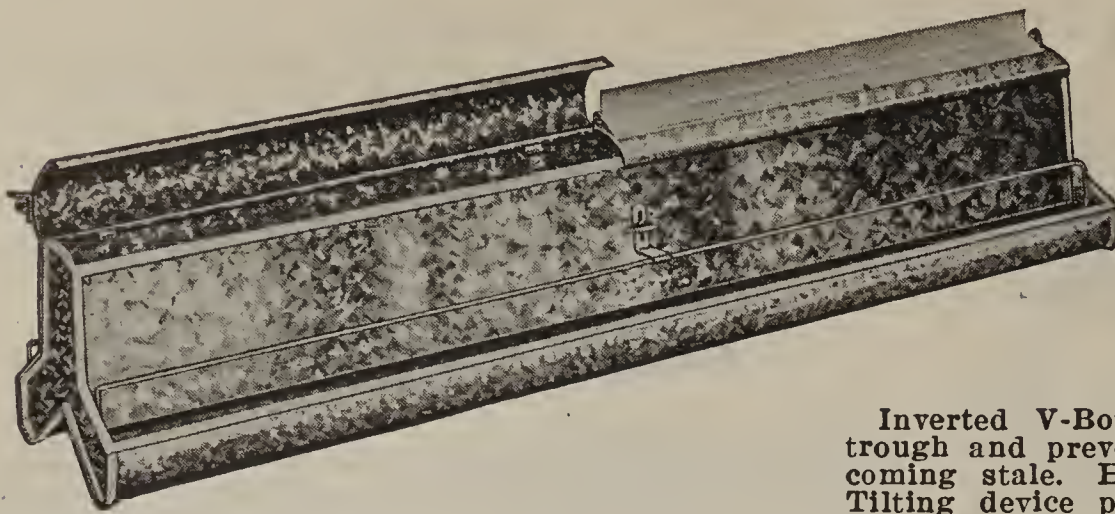
- No. 29—Length 35 inches ----- \$2.00
- No. 30—Length 42 inches ----- 2.50

Large Round Buttermilk Feeder



It is 12 inches in diameter and 1⅜ inches deep. Holds three pints of liquid food. Made from heavy dairy tin; rustproof; has 22 feeding holes making 36 inches of feeding space. Chicks cannot waste the feed or get in it and get wet or contaminate the feed

- or liquid. Top is cone-shape to prevent chicks from getting on it. Easy to take apart for cleaning. No. 82—Each ----- \$.60



Wire Guarded Chick Feeder

With Adjustable Wire Guard

This feeder will accommodate a large number of chicks at one time. The open trough principle is featured in this feeder. It accommodates a larger number of chicks at one time than a covered trough with individual feeding holes. The wire bar extends the full length of the trough. Adjustable up and down to regulate the width of the feeding space from chick size up to pullet size.

Inverted V-Bottom throws all the feed forward into the trough and prevents it from gathering in the center and becoming stale. Hinged lid makes it easy to clean and fill. Tilting device prevents roosting on top.

- | | |
|---|-------------|
| No. 621—21 inches long, 11-qt. capacity, weight 5 lbs. | Each \$.80 |
| No. 635—35 inches long, 18-qt. capacity, weight 8 lbs. | Each 1.10 |
| No. 642—42 inches long, 21-qt. capacity, weight 10 lbs. | Each 1.40 |

Square Bottom Non-Tip Feed Trough

For Baby Chicks and Growing Chicks

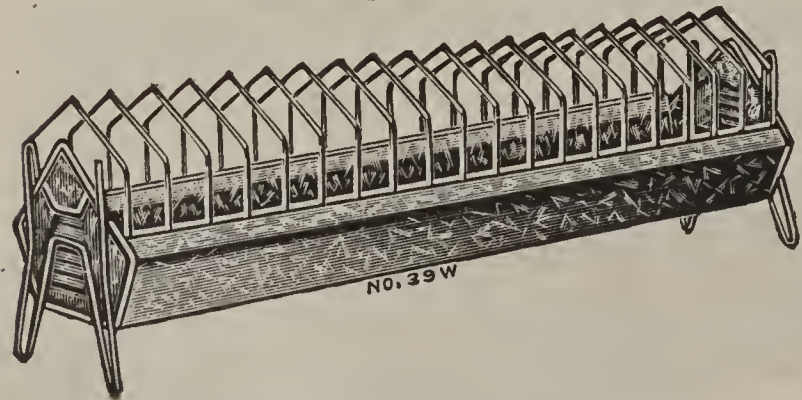
Made of heavy galvanized steel with spot welded ends. Wire guard running the length of the trough is adjustable. It can be lowered to keep baby chicks out of the trough, slightly raised for growing chicks and raised still higher for broilers and even for hens.

Because of the square bottom construction it is practical to set this trough up on bricks or board blocks as it cannot be tipped over if it happens to dislodge at either end.



- | | |
|------------------------------|-------|
| No. 624—24 inches long, each | \$.30 |
| No. 636—36 inches long, each | .35 |
| No. 648—48 inches long, each | .45 |
| No. 660—60 inches long, each | .55 |

Grill Top Broiler Feeder



A convenient and durable feeder for growing chicks. The galvanized wire grill is hinged and swings back for filling and cleaning.

Trough is 6 3/4 inches wide and 3 inches deep. It is made in heavy galvanized iron or in bright charcoal dairy tin for milk feeding.

- | | |
|---|------|
| No. 3942—42 inches long, galvanized, each | 1.50 |
| (With Adjustable Legs) | |
| No. 40 —28 inches long, dairy tin, each | 1.45 |
| No. 4042—42 inches long, dairy tin, each | 1.80 |
| (Without Legs) | |

Mason Jar Holder

This holder is so constructed that it will clamp around a Mason Jar and it may be adjusted either up or down to fit either earthenware or aluminum pan for buttermilk feeding.

Holder Only.

- | | |
|-------------------------|-------|
| No. 71-A—1 quart size. | |
| 30c value, each | \$.15 |
| No. 71-B—1/2 Gal. size, | |
| 30c value, each | .15 |



Oakes' Buttermilk Feeder

A perfect feeder for sour milk, buttermilk, water, hard grain or grit. The container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. The Handy is adjustable, simple to operate and durable. Shipping weight, 1 lb.

Each 25c

- | |
|-------------------------------|
| No. 70B—Holds 1/2-gallon jar. |
| No. 70A—Holds 1-quart jar. |



Oakes' Jar Fountain

Made from 2 materials, extra heavy galvanized iron, charcoal tin. No solder used; very substantial pan with heavy rolled edge; electric welded center; can be used for chick feed as well as water. Charcoal Tin Fountain is designed for dispensing buttermilk and sour milk especially. We do not furnish the glass jars.

- | | |
|---|-------|
| No. 69G—Galvanized; shipping weight 8 ounces; | |
| Each 10c; 3 for | \$.25 |
| No. 69T—Charcoal Tin; shipping weight 7 oz.; | |
| Each | .10 |

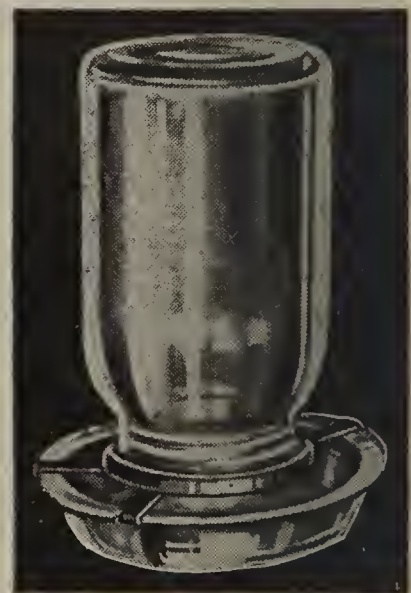
Glass Pan Fountain

FOR USE OF MASON JARS

The drinking pan is of heavy glass with smooth edge. The Mason jar screws into the metal clip and is held firmly in position. The clip snaps over the outer edge of the pan. Jar and pan are quickly detached from the pan for filling or cleaning. An ideal fount for feeding buttermilk or medicated water. Saucer is 6 inches in diameter. Chicks cannot get into the pan.

- | | |
|--------------------------|-------------|
| No. 65-G | Each \$.15 |
| (Glass Jar Not Included) | |
| 2 for | 25c |

- | | |
|--|-------|
| No. 67G—Galvanized pan with metal clip, each | \$.10 |
| 3 for | 25c |
| No. 67T—Charcoal tin pan with metal clip, each | .12 |



Bottom Filled Fountain

Consists of a cone-shaped can and a stamped pan, which forms trough from which the fowls drink. Both parts made of galvanized sheet metal and well soldered.

- | | |
|----------------------------|-------|
| No. 78—1 qt., each 25c | \$.19 |
| No. 79—2 qts., each 35c | .25 |
| No. 80—3 qts., each 45c | .30 |
| No. 45—1 gal., each 50c | .38 |
| No. 50—2 gal., each \$1.25 | .75 |



Valve Float Waterer

When this fountain needs filling all you have to do is lift the lid and pour the water in. An automatic float regulates depth of the water in the drinking trough which extends all around the tank. Can't overflow and never runs dry as long as there is water in the tank. Top-filled, sanitary and easy to clean.

No. 505—Without heater, 5 gals.-----\$3.50
No. 508—Without heater, 8 gals.----- 4.50

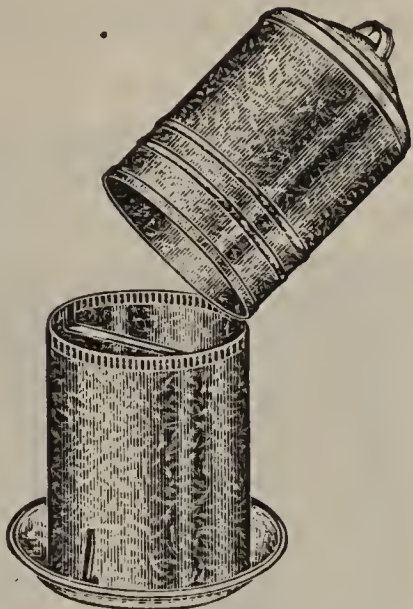


Dandy Double Wall Fountain

This new double wall fountain is top filled. Double wall helps to keep water cool in summer and retards freezing in winter; operated on the vacuum principle. No corks or valves. Easy to fill or clean; just lift off the outer can by the convenient handle. Outer can locks to inner can so it may be carried by handle when filled.

Die-drawn modernistic top slopes sharply to prevent roosting. Drinking pan is seamless, die-drawn with smooth rolled edge; securely soldered to inner tank. Pan is 1½ inches deep. Clearance between tank and pan edge is 1 inch. Baby chicks cannot drown in this pan.

KO-92—2-gallon size, each-----\$1.30
KO-93—3-gallon size, each----- 1.50



Double Wall E-Z Fill Fountain

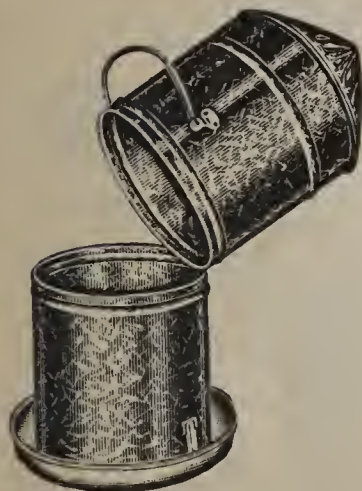
This extra heavy durable fountain is one of the most popular in our line. The heavy bail makes it convenient to carry water in the outer tank; bail is held up out of the drinking pan when waterer is not in use.

Inner tank has handle; this part of the fountain may be used to carry water also. When the outer tank slides into place, it pushes in a spring lever that releases the water which is held at the proper level of the trough

through the vacuum principle. Valve closes when outer tank is removed so that drinking pan does not overflow when filled.

Tanks are heavy 26 gauge and drinking pan is 24 gauge seamless, die-drawn with smooth curled edge.

No. 31—3-gallon size, each-----\$2.25
No. 32—5-gallon size, each----- 2.75



Adjustable Float Valve

This Simple Valve SOLVES the Watering Problem

At last, a trouble-proof water valve that works automatically! It is so simple in design, so perfect in operation you will marvel you did not think of it yourself. Easy to attach—nothing to get out of order. A hollow metal float rests on the surface of the water, and as level rises and falls, the valve automatically closes and opens. This insures a constant supply of pure, clean drinking water—a vital factor in successful poultry and small stock raising.

No. 904—Each-----\$.90



Oakes Snap-On Gallon Fount

Made from heavy galvanized iron in two pieces. Top made with handle for carrying. Base pulls off to fill. Pressure of air and grooves in pan hold weight of water and fountain may be carried by handle without fear of spilling.

No. 100B—1 gallon; shipping weight 4 lbs., each-----\$.55
No. 100C—2 gallons; shipping weight 6 lbs., each----- .85



Never Dry Chick Waterer



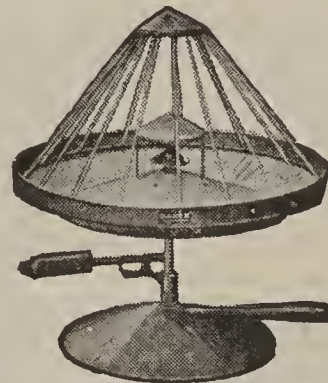
Connects with city water pressure or storage tank or barrels, providing a continuous supply of fresh water at all times. Float valve regulates flow. Perforated cover protects water and 25 holes allow plenty of drinking space.

No. 21—Weight 4 lbs., each-----\$1.25

Oakes Never Dry Waterer

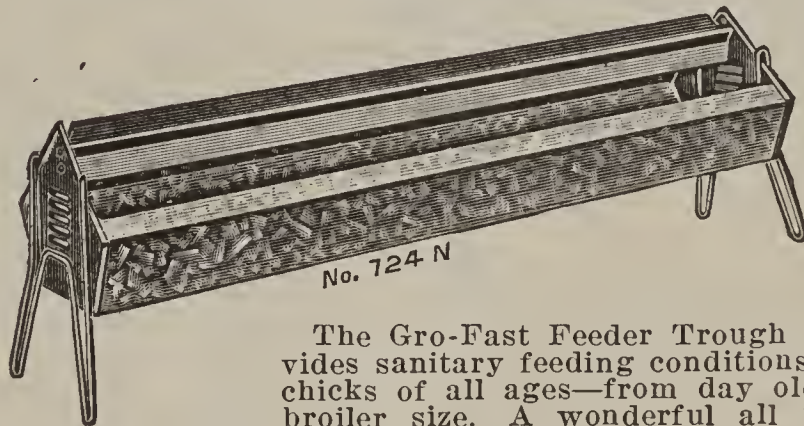
Automatically controlled flow of water. Easily attached to hose or water pipe. Will take care of large or small flock. Nothing to get out of order. Fowls cannot scratch dirt or litter into it, nor get into the water, or roost on this device.

No. 34—Each-----\$2.25



Gro-Fast Feeder

ALL PURPOSE FEEDER



The Gro-Fast Feeder Trough provides sanitary feeding conditions for chicks of all ages—from day old to broiler size. A wonderful all purpose feeder. The trough is heavy gauge galvanized steel with spot-welded ends. Flaring sides increase feed capacity. Smooth, double fold edges are turned in at just the right angle to prevent feed waste. Trough is 4¼ inches wide at top edge, 3½ inches at bottom. Depth 2¼ inches.

The adjustable stand is made of heavy wire which slides up and down and is held in place by friction. The several corrugations in the end of the trough determine the different heights. Trough stays set when adjustment is made. Trough is adjustable to 6 positions; height at trough edges ranges from 2½ to 5 inches.

No. 233—3 feet long, each----- 1.00
No. 234—4 feet long, each----- 1.25

Feeder for Large Flocks

Capacity with minimum expense. Lighter in weight and more sanitary than troughs made of lumber. Wires are 4 inches apart to prevent wasting feed. The 8-foot trough has a capacity of 2 bushels, the 4-foot 1 bushel.

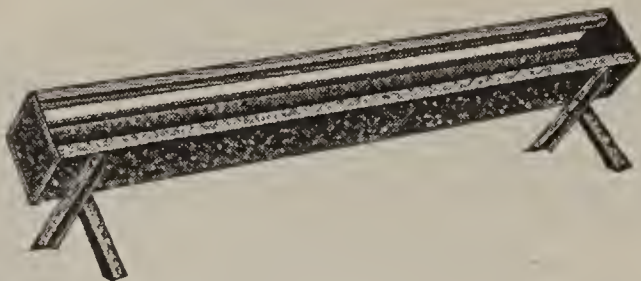
No. 1A—Without lid, 96-inch-----\$2.40
No. 4A—Without lid, 48-inch----- 1.40



All poultry supplies are quoted f.o.b. San Antonio. If you desire same sent by parcel post, kindly include postage with your order.

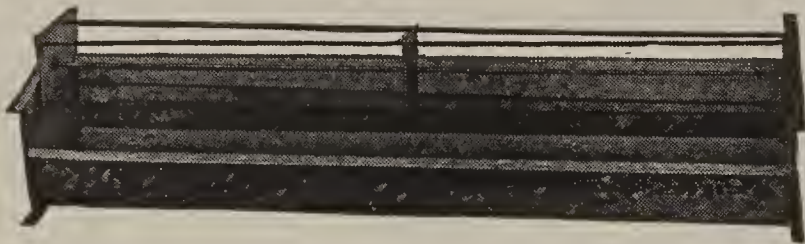
Floor Type V-Bottom Feeder

This sturdy, sanitary floor type feeder has been thoroughly tried and tested in the houses of our foremost breeders. The revolving weed guard prevents birds from roosting on top. The trough is 5 inches deep and 8 inches wide at the top.



No. V-5—60 inches long, each-----\$1.70

Oakes' New Feed Trough for Large Flocks



This feeder has a revolving reel of galvanized strips to prevent hens from getting into trough and scratching feed out. Easy to clean. Four foot length holds 1 bushel of dry mash. Eight foot length holds 2 bushels.

No. 26—48-inch, each-----\$1.75
No. 27—96-inch, each-----3.00

Oakes Best-Yet Self-Feeder



Saves poultryman's time, labor and feed. Strong and durable. Made of heavy galvanized steel. Fowls feed from either side thus doubling feeding space. Length, 36 inches; capacity, 100 pounds. Stand elevates feeder 16 inches from floor. Has adjustable grate which feeds any mash uniformly. Provided with hinged lid over both

hopper and trough, making it rat, mouse, and dirt proof. A great feed saver.

No. 55—With stand as shown above, each-----\$6.50

Oakes Mammoth Round Feed Hopper

A compact, convenient hopper for feeding dry mash to large flocks. Round shape accommodates more fowls with less fighting and less muss. Seamless steel trough, 22 inches in diameter, 3½ inches deep, divided by partitions to prevent waste of feed. Capacity 100 pounds.

No. 10—65 qt., without stand \$5.00.

No. 11—65 qt. with stand as show \$6.00

No. 511—36 qt. without stand \$2.50.

No. 510—36 qt. without stand \$3.00.



Improved Handy Hopper

Hinged lid keeps out rats, mice and dirt. Swinging front, adjustable to any kind or dry mash, eliminates clogging. Hopper 15 inches high, 4½ inches wide, and made in four lengths.

No. 12—Length 12 in., each-----\$1.25

No. 13—Length 18 in., each-----1.75

No. 14—Length 24 in., each-----2.00

No. 15—Five compartments, length 36 inches, each---\$2.10



Grit and Shell Boxes



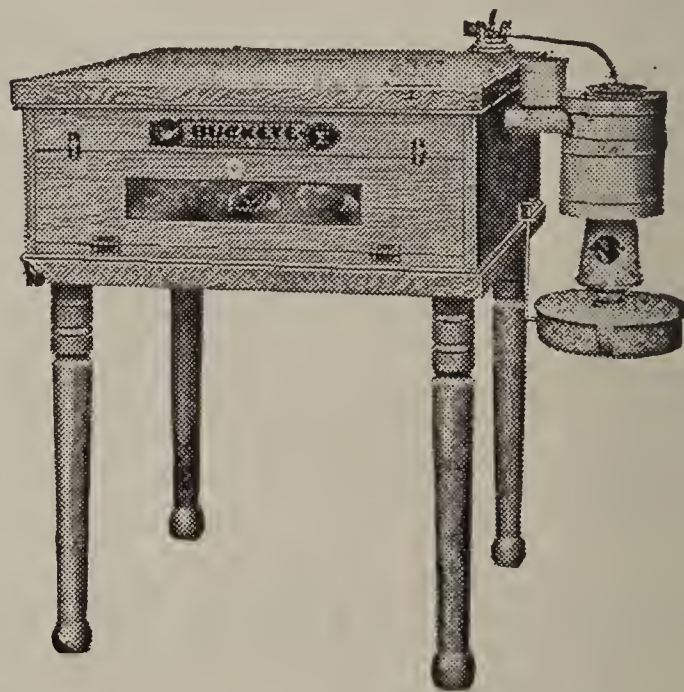
Grit, shell and charcoal have now become a recognized essential part of the diet insuring healthy fowls. They cannot be more economically supplied than in one of our inexpensive compartment boxes. Can also be used as a feed hopper for little chicks.

No. 45—For baby chicks, each-----\$.45
No. 73—For baby chicks, each-----.85
No. 46—For grown birds, each-----1.10

Shipping weight, 3 lbs.

Buckeye Incubators

Buckeye "Standard" No. 3



Buckeye Incubators are the result of over 35 years of study and experiment. There are no other incubators like them. Buckeye "Standard" Incubators are made with double-thick case; heat insulating is practically perfect; the hot water circulating tank is pure copper, it will never rust or corrode. The automatic regulator assures uniform temperature at all times without any attention whatever. The lamp is supplied with either an oil or gas burner—each one sufficient, economical in operation, dependable and fire-proof. Buckeye "Style E" Incubators are a little more simply constructed and a little less expensive in price—but they contain all the essential features of the Buckeye design.

Capacities and Weights

"Standard"

No. 1—120 eggs-----\$17.50
No. 2—175 eggs, 135 lbs., \$35.00 value-----22.50

"Style E"

No. 14—65 eggs, 55 lbs., \$16.50 value-----12.50
No. 16—110 eggs, 85 lbs., \$22.50 value-----15.00

Oakes' "Sun-Lite" Oats Sprouter

Made of galvanized iron, each 18-inch perforated pan or tray can be removed separately. No lamp or fuel required. Put in the oats, moisten a little daily and in three or four days you can feed sprouts.



No. 63—6-tray, each-----\$4.80

Oakes' Egg Scales



In many localities eggs are now being bought and sold according to weight. Indiana has been using 22 ounces to the dozen eggs; just right for our No. F-53, while No. F-54 will fit any standard. Oakes' Egg Scales are durable (constructed of steel) and simple; no springs—nothing to get out of order.

No. 55—Oakes' Graduated Egg Scale, each-----\$.50



No. 20S Egg Scale

A real egg scale; accurate, dependable and fast. New angle dial is easy to read whether seated or standing. Individual egg weight and weight per dozen are indicated on the double dial. Dial is black with figures in white. Easy to read in candling room. Adjustable stop can be set for grading eggs of any

weight. Egg cup, lever parts and counterweight are chromium plated. Bearing pins are brass. No danger of working parts rusting and affecting accuracy of scale. Base and dial support are attractively finished in Red Duco. Scale base 6¼x3¼; height 6¼ inches.

No. 20S—Egg Scale with adjustable stop-----\$1.60

Oakes' Poultry Punch



A popular and practical punch. Makes a clean perforation and does not bruise the foot.

No. 38—Oakes' Punch, each, 2 oz.-----\$0.20

Moe's Ideal Poultry Punch

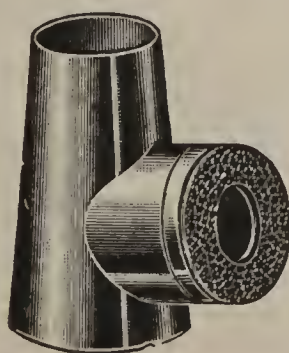


A new improved punch. Works easily, cuts clean, and does not pinch the foot. Length 3½ in. Nickel plated.

No. 39—Moe's Ideal Punch;
Each -----\$0.35

Oakes' Egg Tester

K-131—Used to test fertility of eggs during first week of incubation. Use on an ordinary lamp No. 2 burner, in a dark room. It will illuminate interior of egg so that you will know if the chick is alive. Also shows size of air cell. Each 25c.



Shipping weight, 1 lb.

LEG BANDS FOR POULTRY

*Bandettes

Bandettes are easily applied single-handed, simply open out Bandette, hook it on leg, and allow it to close around the bird's leg; should not fit tight.



Bandettes are made in 5 colors: blue, red, yellow, green and pink.

Two sizes: No. 9 for Leghorns, and No. 11 for Rocks, Reds, etc.

Bandettes are sold in unbroken sets of 25 in one color: 1-25, 26-50, 51-75, 76-100, and so on.

25	-----	\$.60
50	-----	1.10
100	-----	2.00
500	-----	9.50
1000	-----	18.00

*Colored Leg Bands



Made of celluloid, in fast colors. Keep their shape. Light in weight and very durable. Quickly put on or removed. Put up regularly 50 bands of a size and color in a bundle. Colors: white, black, red, pink, green, blue, purple and yellow.

	50	100	1000
No. 4—For Baby Chicks	-----\$0.25	\$0.40	\$3.50
No. 7—For Bantams	-----	.60	5.00
No. 8—For Leghorns and Anconas	-----	.60	5.00
No. 11—For Large American	-----	.75	6.00
No. 12—For Asiatic Hens	-----	.80	6.50

*Wing Bands



Wing Bands—Double clinch open-----Each 1c; 100, 75c
Sealed-----Each 1c; 100, 85c

*Economy Poultry Bands



Poultry Sizes. The Standard poultry sizes with two large black numbers from 1 to 100, with black ink on celluloid. Size No. 2 (for Pigeons), Size No. 3 (for Leghorn hens), 3c each. Size No. 4 (for Rhode Island Red, Plymouth Rock, and Orpington Females and Leghorn males); ½ inch wide, 2½ inches long from slot to shoulder. 3c each; 100, \$2.25. Shipping weight, 8 oz.

Aluminum Pigeon Bands

Made of aluminum with stamped numbers.
Open -----Each, 1c; 100, \$0.80
Closed -----Each, 2c; 100, 1.75

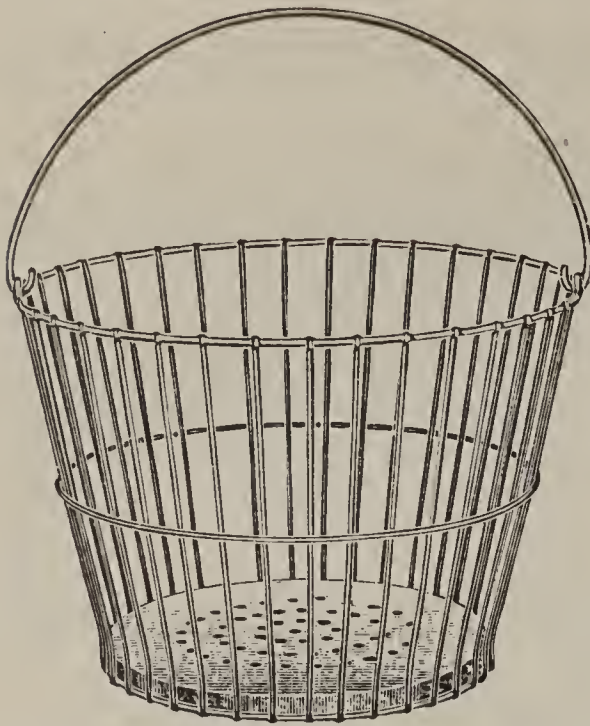
*Moe's Aluminum Leg Bands



Made of sheet aluminum with large raised numbers, easy to read from a distance. Adjustable for any size fowl. Numbered 1 to 4999, as wanted.

12 bands	-----\$0.15	100 bands	-----\$0.75
25 bands	-----	500 bands	-----3.50
50 bands	-----	1000 bands	-----6.00

NOTE—We can get any style leg band you desire and numbered up to 1,000; it will take from 1 to 2 weeks to fill these special orders. 25% of amount of order is required when sending in order. Mail us sample or picture of band desired if not listed in this catalog.



Egg Cooling Basket

Made of Galvanized Wire

For gathering and quick cooling of eggs. The quicker the eggs can be cooled the better they will be. Clean, fresh flavored eggs always bring premium prices. Store eggs in wire cooling baskets in a room temperature of 60 degrees for best results.

Oakes' Wire Egg Cooling Baskets have a perforated metal bottom to permit free circulation of air. This bottom protects eggs from wet litter or wet grass when the basket is used for gathering the eggs. Galvanized wire finish does not mark the eggs.

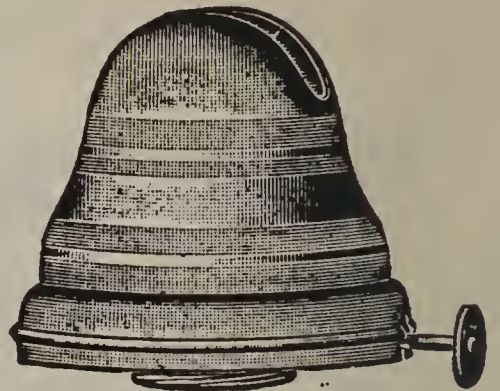
Very sturdy and substantial. Bail, top and bottom rings are No. 6 wire. Side stays are No. 10. No weave or sway to this basket.

No. 15—Galvanized Egg Baskets, each-----\$.75

Zenith Burner

The most satisfactory burner for heating poultry fountains. Requires no chimney. Delivers a large volume of heat. Flame spreader has special air passages to prevent over-heating. Top lifts off for easy cleaning or trimming of wick. Wick tube is heavy sheet brass. Made in single wick only. Each burner complete with red felt wick.

No. 1— $\frac{3}{8}$ inch, each-----\$.60
 No. 2— $\frac{7}{8}$ inch, each----- .70
 No. 3— $1\frac{1}{2}$ inch, each----- 1.00



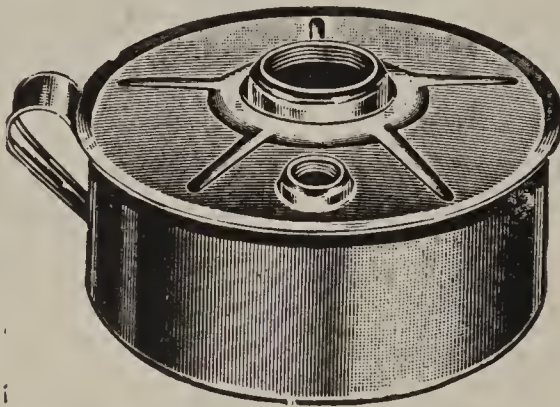
Sun Hinge Burner

For Incubators or Brooders. So designed that perfect combustion is assured. Burner dome held in place by spring catch. Dome lifts for cleaning and trimming the wick.

No. 3—Double Wick, $1\frac{3}{4}$ inches
 Each-----\$.90

Incubator Lamp Wicks

Made of felt. The best wick to use in your incubator lamp. State width of wick when ordering; weight 2 oz. Each -----\$.05
 Dozen ----- .50



Lamp Bowls

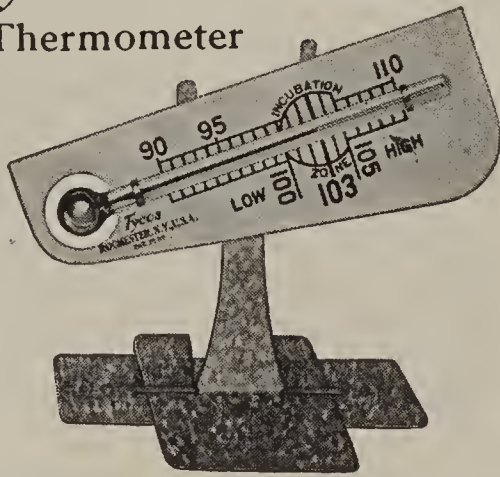
Lamp bowls are of seamless one-piece construction. Die-drawn from heavy terne plate. Reinforced tops are double-seamed and slope from the burner collar to the edge so that no oil can accumulate on the top even if spilled when filling. No give or spring to the top or bottom.

No. 205—No. 2 Burner size,
 1 qt. capacity, each-----\$.60
 No. 220—No. 3 Burner size,
 2 qt. capacity, each----- .75

Tested Incubator Thermometers

No. 5776—Incubator Thermometer—genuine "Tycos" on flexible brass legs. White figures and graduations on black finished scale. Packed 1 in box, shipping weight 6 ounces.
 Each ----- 75c

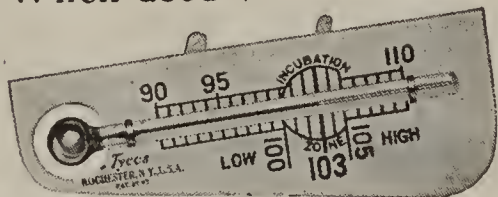
No. 5776
 Tycos Incubation-Zone Thermometer



When used with Stand

No. 90—Incubator Thermometer—mounted on porcelain stand and frame, with black engraving. Easy to read. Packed 1 in box, shipping wt. 6 ounces.
 Each ----- 75c

No. 80—Incubator Thermometer—each ----- 50c



When used without Stand

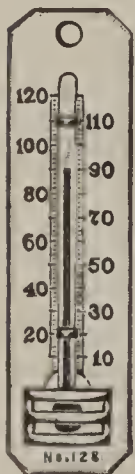
Brooder Thermometer

No. 5792—Genuine "Tycos" Thermometer. To be inserted through a hole in top of the brooder so bulb is in actual brooder temperature, and scale is outside for easy reading. Weight 6 oz.
 Each -----\$.75

No. 54405—Brooder Thermometer. To be hung on the canopy. Each----- .45

No. 125—Buckeye Brooder Thermometer. Each ----- 1.25

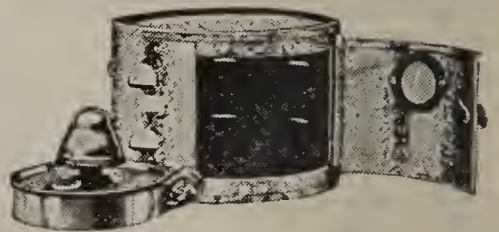
No. 1265—Heavy gauge metal finished in baked enamel, guarded bulb, to be hung on canopy; each----- .35



Fountain Heater

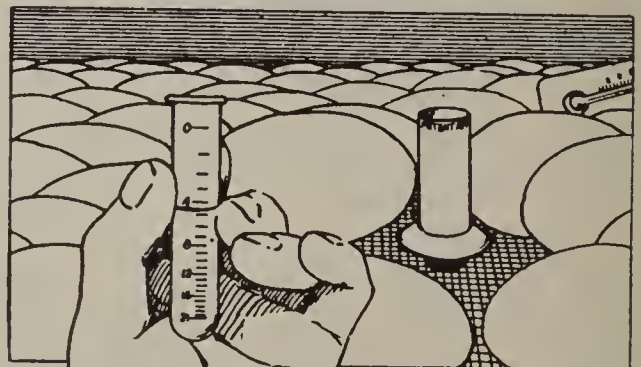
Also used as Brooder Heater

Suitable for any kind of drinking fountain and for any size up to four gallons. Insures warm drinking water at all times. Heater of galvanized iron with chimneyless kerosene burner—stands firmly, and fowls cannot overturn it.



No. L44, each, \$1.75

Patterson and Young Moisture Guide



MEASURE
 THE EVAPORATION
 IN YOUR INCUBATOR
 with the
MOISTURE GUIDE.
 IT "SOLVES THE MOISTURE PROBLEM"

This moisture guide solves the moisture problem with your incubator. The holder is fastened to the egg tray and the guide is filled with water to the top line. The graduated scale shows how much moisture should evaporate from the egg each day. If evaporation is too fast, moisture should be added; if too slow, more air should be given. Full directions go with each guide. Attachments are included for all turning trays. Every owner of an incubator should have this moisture guide. Weight 3 oz. Each, \$1.00.

HATCHERY SUPPLIES

Anderson Chick Boxes



The Original Anderson Master Breeder Baby Chick Pullman

Light in weight yet the strongest and safest chick box made. A very attractive checkered border box with a light blue inside liner. The result of 25 years' chick box building. Approved by all Baby Chick Associations.

REGULAR SIZE

25-chick size, each	-----	\$0.15
50-chick size, each	-----	.20
100-chick size, each	-----	.25

Chick Size—		Up to	100 to	500 to
		100	500	2000
A-100—Standard	-----	\$0.18	\$0.16	\$0.14
A-50 —Standard	-----	.12½	.11	.09½
A-25 —Standard	-----	.08¾	.07¼	.06¼
HW-100—Hot Weather	-----	.20	.18	.16
SF -100—Stickless Feed-o-box	-----	.19¼	.17½	.15½

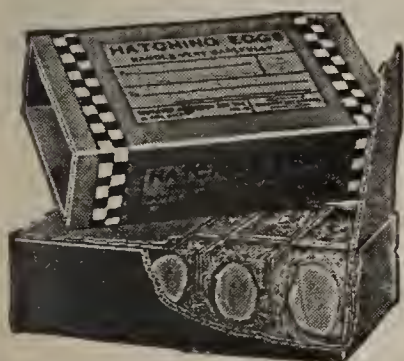
SMALL LOCAL COUNTER CHICK BOXES

L-15—15-chick size per 100	-----	\$2.30
L-25—25-chick size, per 100	-----	3.05

Full freight allowed on Chick Boxes provided shipment weighs 100 pounds or more. Freight allowance does not apply on Chick Box Supplies.

STAPLERS AND STAPLES

ACME No. 11—Hand Powered Stapler, holds 100 staples, automatic feed, anti-clogging device, shipping weight, 9 pounds; price	-----	\$9.00
No. XX—Staples, box of 5,000	-----	1.55
No. 61—Staples, box of 5,000	-----	1.60
Tin Hand Staples, per box of 1,000	-----	.90
Piercing Tool for use with tin or copper coated staples, to guide the staples into the box. Each	-----	.40
Master Breeder, 6-in. Redwood Sticks, per 1,000	-----	2.60
Master Breeder Stick Glue, per 1-gallon can	-----	1.00
Wood Wool Pads, 9x11, per 1,000	-----	7.60
Wood Wool, per bale	-----	.04½
Gummed Paper Tape, 2-in., per roll	-----	.40



Anderson Egg Boxes for Shipping

Made of extra heavy corrugated cardboard; built so as to stand rough handling and carry your setting eggs safely.

15-egg size, weight 1½ lbs., each	-----	\$0.30
15-egg size, weight 15 lbs., doz.	-----	3.00
30-egg size, weight 2½ lbs., each	-----	.35
30-egg size, weight 26 lbs., doz.	-----	3.60
50-egg size, weight 3½ lbs., each	-----	.50
50-egg size, weight 39 lbs., doz.	-----	4.50

Yard Egg Boxes For Retail Trade

This is an ideal box for the retail egg trade, holding 1 dozen, presenting the goods to the customer in an attractive package with the minimum amount of trouble for the seller. They knock down in very compact shape.



3x4 Eagle, weight 12 lbs., per 100	-----	\$ 1.00
3x4, Eagle, weight 105 lbs., per 1000	-----	7.50
2x6 Seminole, weight 17 lbs., per 100	-----	1.50
2x6 Seminole, weight 155 lbs., per 1000	-----	12.50

Sure-Trip Trap Nest Front

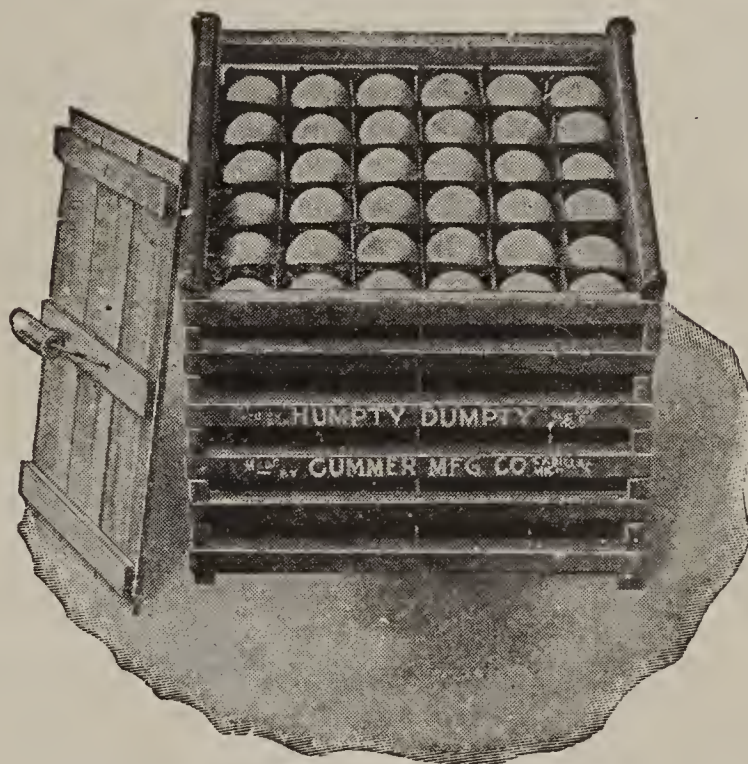
The Practical Trap Nest is a profitable addition to every poultry plant, because it weeds out the drones and cuts down the feed bills for the man who wants to keep only those birds that produce. Strongly built of good lumber, as light in weight as consistent with strength and durability—with a trap that works noiselessly and surely. Each, 35c; 100, \$30.00. Weight, 1 lbs. each.



Glass Nest Eggs

Made of white porcelain, natural in appearance, and uniform in size. Will not easily break. They induce the hen to lay where she should—in the nest. Weight 1 lb., per dozen-----25c

Humpty Dumpty Egg Carrier



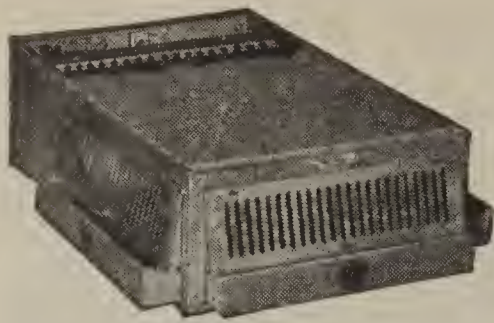
A very light, strong and convenient egg crate and carrier. Made of hard wood slots securely fastened. The lid with handle, springs into position when crate is filled. Collapsible, 12 dozen size. 90c; Parcel Post weight, 7 lbs.

POULTRY LITTER

In General Use by Progressive Poultrymen



This litter does away with the lack of sanitation that is usually evident in poultry houses. It is a labor-saver; prevents dampness; is absolutely sanitary, prevents the spread of disease, absorbs offensive odors; keeps the birds clean; makes an ideal dust bath; keeps the house warmer in winter and cooler in summer. It is economical. Though the original cost may be slightly higher than other litters, it outlasts others two or three times and saves the labor of handling. It prevents fire because it will not blaze. It takes an intense heat even to make this litter smoulder. After being used in the poultry house, it makes a most valuable fertilizer. Many poultrymen sell their O. K. Poultry Litter manure mixture to gardeners, florists and nurserymen at a high price. It does not injure the birds if eaten. One bale will cover 240 square feet with 1-inch of litter. Bales weight approximately 140 pounds. \$3.00 per bale, f.o.b., San Antonio, Texas.



Oakes "Gro-Ezy" Electric Brooders

This sturdy product embodies many of the best features to be found in any Battery Brooder. It is substantially built. Mounted on casters for portability. Each drawer or shelf is a separate independent unit and can be used outside the portable rack.

Each drawer slides out of the frame as a complete unit. The woven wire floor of 1/2-inch mesh is finished in bright tin. This floor is not to be compared with the dingy hardware cloth ordinarily used. Droppings cannot catch and hold on wire intersections. A deep dropping pan is just underneath the floor with 1 1/2 inches of clearance. Pan is easily removed.

The chicks eat from open troughs. Every chick has a chance to get its fill. A chick will go to an open trough every time in preference to eating or drinking through holes or between wires, or bars. In each "Gro-Ezy" drawer there are two 20-inch feed troughs and one 20-inch water trough. These troughs are open their entire length. The feed is easily accessible and yet the chicks cannot get into it or foul it.

Chicks always see the feed but no feed is wasted. Doors lift up and drop into slots in the ends of the trough, providing an adjustment of the feeding space from 1/2 inch to 1 1/2 inches in width. This is ample room for chicks from a day old to ten weeks old.

Each drawer is 35 inches deep, 22 1/2 inches wide, and 9 1/2 inches high. Chicks can be carried to 8 weeks.

The lid is removable. Canvas curtain is attached to lid and divides the drawer into two parts.

Electric heating elements and Thermostatic Control are attached to back panel behind the canvas curtain.

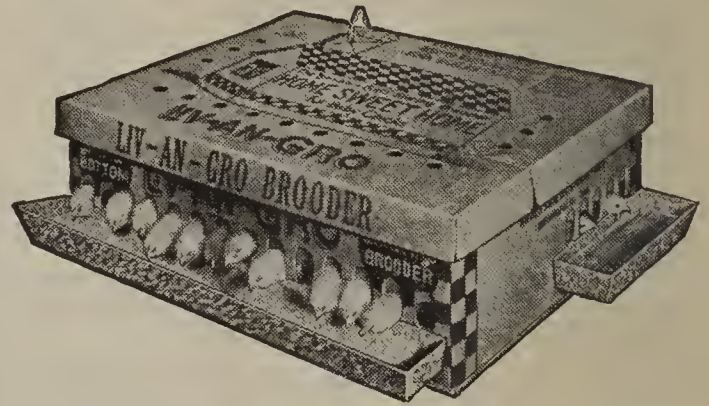
No. 703—3-drawer brooder, complete with stand, weight 152 lbs., shipped K.D.-----List \$38.00

No. 701—Drawer only complete with heating element, automatic thermostatic control and plug socket, weight 34 lbs.-----List 10.00

Liv-an-Gro Brooder

These brooders are built to raise a small flock of chicks of not more than 50. Where a person does not desire to go to a great expense for brooder when they only wish to raise a small flock. Side walls and top are constructed of heavy corrugated cardboard with a smooth finish. Bottom is made of hardware cloth so that chicks are kept off the floor and creates a sanitary condition. Brooders come equipped with water and feed trough. May be heated with charcoal or electric current. If you have electric current, advise the electric heat. This brooder comes equipped with a complete drop with 8 foot of cord. Size of brooder is 18x22x6. Kindly specify kind of heat desired when ordering, charcoal or electric.

Each ----- \$1.95



Brooder Wicks

Buckeye Kerogas No. 20-----\$.25
 Buckeye Kerogas No. 45----- .45
 Buckeye Loraine ----- .30

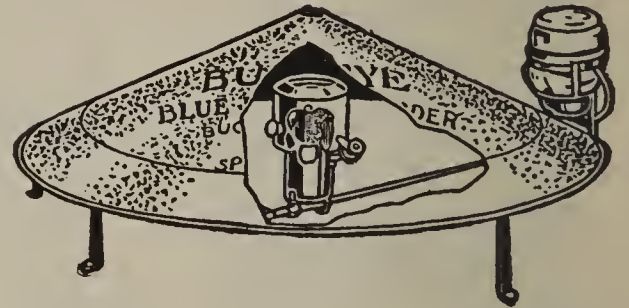
Each ----- \$.10
 Dozen ----- .80

Charcoal Sticks

For Liv-an-Gro Brooders

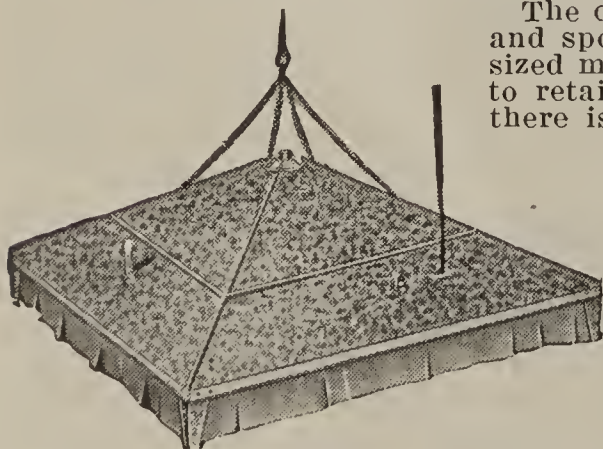
Buckeye "Colony" Brooders Raise Every Available Chick

The Buckeye Oil-Burning Brooder has the new improved Burner that gives the maximum amount of heat with the minimum consumption of oil. It is a wick burner and the oil is fed by gravity. Buckeye is self-feeding and self-regulating; it doesn't clog, it doesn't flare up; it doesn't go out. Can be safely operated on any floor. Has "Diafram" Heat Conveyor, so attached to the canopy that it insures the radiation of heat to the very outside of the brooding area.



	Capacity	Canopy	Shipping Weight	Price
No. 27-A-----	250 chicks	34-inch	49 lbs.	\$12.00
No. 80-----	350 chicks	42-inch	50 lbs.	13.50
No. 81-----	500 chicks	52-inch	60 lbs.	16.50

Oakes' New and Improved Electric Brooders



The canopy and legs are made of high quality galvanized steel of four pieces bolted and spot-welded together. The 32-inch canopy will support the weight of an average-sized man. Top is lined with asbestos and has Celotex deck above the heating element to retain the heat, in the 32 and 42-inch sizes. In addition to the Celotex insulation there is a metal heat deflector which distributes the heat.

Ventilation is provided through a series of draft chutes located above the heating element.

Each brooder is equipped with special Wafer thermostat and electric cut-off switch provides automatic regulation of the heat at all time.

Special thermometer, 8 feet of drop cord, curtains, and pilot light furnished as regular equipment with all brooders.

No. 722—22-in. Brooder complete, 75 chick-----\$ 9.00
 No. 732—32-in. Brooder complete, 150 chick----- 13.50
 No. 742—42-in. Brooder complete, 250 chick----- 17.50
 No. 752—52-in. Brooder complete, 385 chick----- 21.00

Automatic Heat Control — No Attention Required

VESFUME—Grain Fumigant

VESFUME—A liquid fumigant, kills by fumes that it generates through evaporation. Being four and one-half times heavier than air, these fumes travel downward, penetrating into every crevice below the point where it is applied. It is guaranteed to kill weevil, moths and other grain insects in all stages of development.

VESFUME is safe under all fumigating conditions. It does not injure human health or life. It is non-contaminating and does not change the odor, taste, appearance or baking qualities of flour or grain. Neither

does it affect the germinating seed. VESFUME evaporates completely, leaving no residue or odor.

VESFUME involves no risk of fire or explosion and can be used anywhere without danger, because VESFUME is non-inflammable and holds its strength when kept sealed.

Approved by Underwriters Laboratory and Mutual Fire Prevention Bureau.

Use 1 quart VESFUME for every 125 bushels of grain.
 Quart ----- \$1.25
 Gallon ----- 4.00

*Oakes' Outfit for Home-Made Electric Brooder

Now you can make your own Electric Brooder at very small cost. Simply use the Oakes' outfit illustrated below in connection with a wooden tub, half barrel or wooden box and you'll have a thoroughly dependable electric brooder at a very economical cost. Outfit consists of heater complete with legs and 8 feet of drop cord with detachable plug. We do not furnish tub shown in illustration. Works on 110 volt A.C. or D.C.

No. L-93.....\$2.50

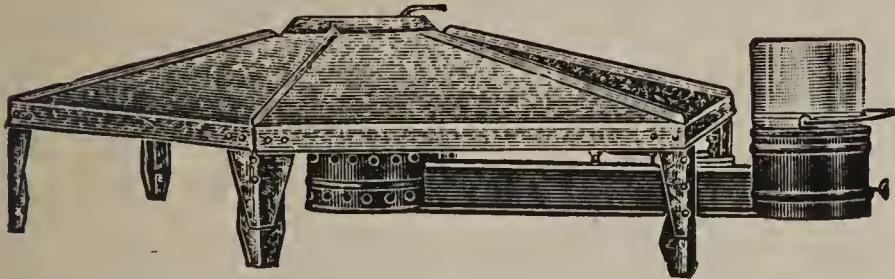
Oakes' Blue-Flame Oil Burning Brooder

Giant 5-inch Burner, Automatic Heat Control, Heat Equalizer, Rigid Burner and Oil Reservoir are a few of the many outstanding features of Oakes Blue Flame Brooders. The most completely trouble-free brooder of its type on the market.

GIANT RIGID BURNER

The 5-inch Burner produces an abundance of heat. Self-centering chimney drops right into place. No smoky flames as result of misplaced chimney.

Burner and Oil Reservoir are rigidly mounted in metal housing. Burner is always level. Does not tilt. Perfect combustion results. Flame is always even on all sides. No raising or lowering of burner. Can't get out of adjustment. No rocking of fuel reservoir. It's rigid and stays put.



AUTOMATIC HEAT CONTROL

Fuel feed to burner is controlled by a simple, positive acting efficient needle valve operated by Sturdy-Boy Brass Wafer. The thermostat opens and closes the needle valve by lever action. As the temperature rises the flow of oil in burner is reduced by expansion of thermostat which closes the valve. If it turns colder, the valve is opened. Valve body of brass with small by-pass to allow sufficient flow of oil to keep burner from going out.

HEAT EQUALIZER

Patented heat equalizer fits burner collar below flame level. This spreads and equalizes the heat so that chicks can hover near the burner in comfort. No hot spot at center of canopy. Heat is delivered to edge of canopy. Less than 5 degrees difference in temperature at burner and canopy edge. Broods more chicks.

Oil Brooders without this feature require an intense heat at the burner (150 degrees or more) to produce a temperature of 90 degrees at edge of canopy.

CANOPY—Heavy gauge galvanized steel canopy, hexagon shaped. Very rigid and substantial. Ventilator in top plus heat equalizer prevents pocketing of heat in peak of canopy.

Thermostat located at edge of canopy. Controls heat at point and insures a comfortable brooding temperature.

Oakes Blue Flame Oil Brooders are the greatest value ever offered in this type. Burn less fuel, produce controlled heat and brood more chicks. The real brooder value of the year.

No. 832—32-in. canopy, no heat equalizer; shipping weight 39½ lbs.-----\$10.80
 No. 842—42-inch canopy, shipping weight 41½ lbs.-----11.40
 No. 852—52-inch canopy, shipping weight 43½ lbs.-----12.00

*Buckeye Electric Brooder

Chick capacity.....
 Diameter of canopy.....
 Price.....

No. 91	No. 92
100	200
36 in.	46 in.
\$12.50	\$17.50

*Lectro-hatch Electric Brooders

The Lectro-hatch Brooder has the same principle of reliable heat and automatic temperature control as the Lectro-hatch Incubator. Night or day the temperature in your brooder never varies. There are no ups or downs—no frozen or roasted chicks. Chicks breathe free, pure air all the time. Pure air, unchanging heat and no crowding will prevent a big part of your usual chick losses. Lectro-hatch Brooders are strongly built of heavy galvanized metal, with heavy felt curtain—sturdy attractive, efficient and durable.

Made in Two Popular Sizes
 150-Chick and 500-Chick

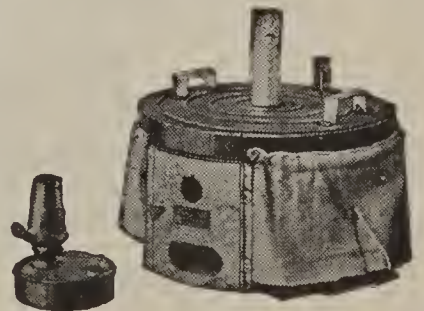


IT'S ALL BROODER—NO LAMP, NO STOVE!

150 chick size.....\$12.50
 (28 inch diameter)
 500 chick size.....17.50
 (40 inch diameter)

Oakes' "Economy" Hover LAMP-HEATED

Simple in construction, made of steel throughout, and durable. Can be lifted by its two handles without disturbing the lamp and used anywhere with perfect safety as it stands on a level floor; no platform or other preparation necessary. Only a small flame is required, as the lamp is inside and no heat is lost. The curtain is double and made of outing flannel.



No. K-102—18-in. drum, 50 to 75 chicks.....\$5.40
 No. K-103—22-in. drum, 100 to 125 chicks.....8.10

Stoneware For Rabbits and Poultry

	Each
1 gallon Water Jug.....	\$0.25
2 gallon 2-piece Fount.....	.80
1 gallon 2-piece Buttermilk Fount.....	.50
2 gallon 2-piece Buttermilk Fount.....	.75
1 gallon 1-piece Non-Splash Buttermilk Fount.....	.75
Round Open Crock for Rabbits.....	.15
Round Crock with Lip for Rabbits.....	.20

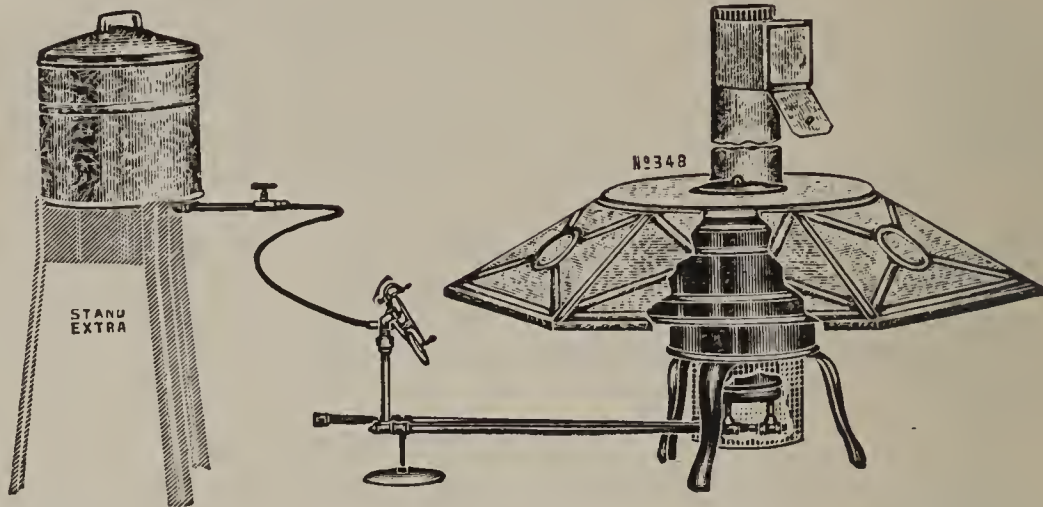
McCLELLAN'S RABBIT REMEDIES

(See page 40)

Oakes "No-Cold" Oil Brooder

12 Outstanding Features

1. Burns Kerosene or Distillate.
2. Big Heater Drum 22 $\frac{3}{4}$ " diameter.
3. Drum is 7 $\frac{3}{4}$ " deep. Well baffled.
4. Almost 7 ft. flame travel in Drum.
5. Automatic Thermostat Regulator.
6. Efficient AIR-FED Burner.
7. Automatic Draft Equalizer.
8. Fuel Reservoir, 6-gallon capacity.
9. Safety Overflow Pipe.
10. Safety Wire Guard around Burner.
11. Cast Iron Legs on Stove.
12. Low Fuel Consumption.



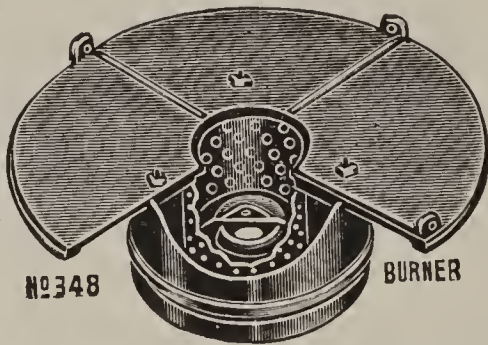
Heavy gauge heater drum 22 $\frac{3}{4}$ inch diameter by 7 $\frac{3}{4}$ inches deep in natural blue steel finish. Baffled to provide 7 feet of flame travel for heat radiation. Galvanized steel deflector top rests on top of drum with 2 inch clearance for air circulation and insulation. Hexagonal canopy made of die stamped sections bolted together.

Automatic Regulator

Heat is automatically regulated by flow of oil. Patented sight drip shows rapidity of oil flow. Convenient in adjusting. Positive fast and slow feed adjusting screws at top of regulator. Wafer thermostat controls temperature once adjusted. Spring valve has special seat; cannot stick.

Air Fed Burner

Cut-away section shown atright. Perforated central section feeds a continuous stream of fresh air to the burner. Has extra deep oil well with heavy cast steel generating plate. This AIR-FED burner provides perfect combustion conditions so that minimum of soot or carbon accumulates. It burns kerosene or distillate; easy to keep clean.



Each Stove Complete

EACH STOVE assembly comes complete with cast iron legs, 6-gallon fuel supply tank, automatic thermostat control, necessary copper tubing, globe valve for fuel tank, fuel pipe support, canopy, heat deflector top, draft equalizer, overflow pipe and $\frac{1}{4}$ -inch fuel supply pipe with all necessary fittings. FUEL TANK STAND EXTRA. TWO canopy sizes. Canopy dimensions from flat side to flat side. From point to point, measure 6 inches more.

No. 348—Canopy, 42-inch from side to side; 500 chick capacity; shipping weight, 70 lbs.-----\$16.95
 No. 360—Canopy, 52-inch from side to side; 750 chick capacity; shipping weight, 80 lbs.----- 18.30



COCCIDIOSIS REMEDY

Stops Losses Now!

Dead Chicks Lose You Money

S-P Coccidiosis Remedy Will Keep Them Alive

Given in the drinking water. No starving of birds—no inconvenience. Easy to apply, is an excellent preventive. One box treats 100 to 125 chicks. Simply dissolve in the water.

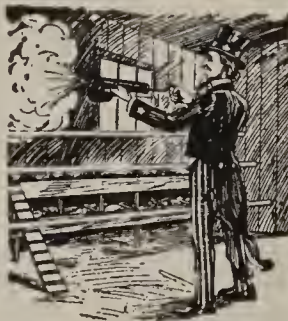
Price per box, postpaid.....\$1.00*

*Lactic

A Pure Edible Lactic Acid

LACTIC gives the handler of live poultry all the active appetizing, digestive and medicinal principles of Buttermilk in a concentrated form, free from all objectionable features of buttermilk. One 6-ounce bottle of LACTIC contains the equivalent of the lactic acid of 30 gallons of buttermilk. 6-oz. bottle, \$1.00.

Protect tender young plants with HOTKAPS. Shield your plants from frost and wind. You will find full description and prices on page 20 of this catalog.



*Carbolineum

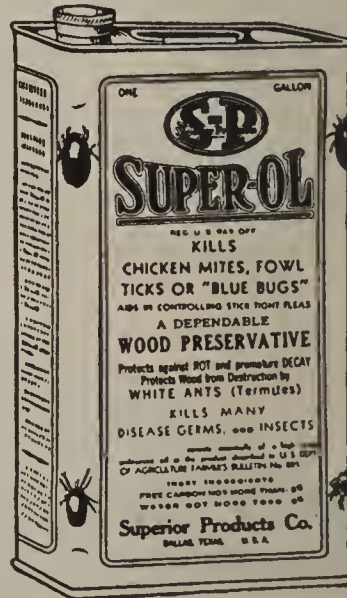
is a pure, unadulterated high boiling anthracene oil—a carbolineum of the highest grade—meeting Uncle Sam's requirements in every respect and it is

SURE DEATH TO MITES AND BLUE BUGS

Can be applied with a brush, like paint, or sprayed on as preferred. It should not be applied to the chickens. One gallon will go over an ordinary chicken-house, size 8x12. $\frac{1}{4}$ gal., 50c; $\frac{1}{2}$ gal., 90c; 1 gal., \$1.50; 5 gal., \$7.25.

Super-ol

Kills chicken mites, fowl ticks or "Blue Bugs". A dependable wood preservative. Protects against rot and premature decay. Protects wood from destruction by white ants (Termites). On practically every kind of farm building, it may be used as a paint. It is less expensive than paint, easy to apply and prevents decay. 1 gallon, \$1.75.



Sodium Fluoride

A preparation highly recommended by the U. S. Government for the control of poultry lice. Also a splendid item for roach control. May be used as a dip or dust. Lb. 30c.

Spray Pump Repairs

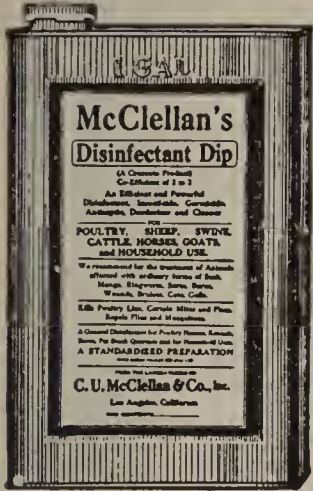
We maintain a repair department for the repairing of Spray Pumps. Stocking a complete line of repair parts for Hudson and E. C. Brown Spray Pumps. Mail or bring in your pump for repairing.

McCLELLAN'S REMEDIES

Disinfectant Dip

(2 to 3 Co-efficient)

McClellan's Disinfectant Dip is an efficient disinfectant, germicide, insecticide and antiseptic, recommended as a disinfectant for poultry houses, kennels, barns, pet stock quarters and for household uses. Can be diluted with water or oil.



- 8-ounce bottle.....\$.30
- Pint bottle......45
- Quart can......60
- 1/2-gal. can......90
- 1-gal. can.....1.60
- 5-gal. can.....6.50

Red Mite and Lice Killer

McClellan's Liquid Lice and Mite Killer is to be used on the fowls or in the poultry houses to aid in killing certain lice and mites. Kills by contact.

- Quart can.....\$0.60
- 1/2-gal. can......90
- 1-gal. can.....1.60
- 5-gal. can.....6.50

McClellan's Pineasan

(A Soluble Pine Oil Deodorant)

McClellan's Pineasan is a very high deodorant and cleaner. To be used in hospitals, jails, schools, hotels, kennels, stables, ranches, etc. To be used where a creosote disinfectant cannot be used. McClellan's Pineasan can be used in the scrub water as a cleaner.

- Pint cans.....\$.75
- Quart cans.....1.00
- 1/2-gallon cans.....1.75
- 1-gallon cans.....3.00
- 5-gallon cans.....12.50

McClellan's Bronki-ol Inhalant

(FOR POULTRY AND RABBITS)

McClellan's Bronki-Ol Inhalant, when used as a nasal spray, is a cooling, soothing, beneficial therapeutic for throat and nostrils. It is being used continuously by many of the leading chicken, turkey and rabbit raisers in the United States and Canada, and has become established as one of the most popular, efficient and satisfactory preparations of the well known "McClellan" line.



- 8-oz. bottle.....\$.50
- Pint cans......75
- Quart cans.....1.25
- 1/2-gallon cans.....2.00
- 1-gallon cans.....3.25
- 5-gallon cans.....15.00

STOP CANNIBALISM

In Baby Chicks With

McClellan's Toe Pick

McClellan's Toe Pick is manufactured for controlling and overcoming the vicious habit of toe, wing and vent picking of chicks. It is also soothing and healing. 7-oz. can, 45c; 15-oz. can, 80c.

Sodium Floride Lice Powder

(FOR POULTRY)

McClellan's Compound Sodium Fluoride Lice Powder is a very high grade preparation made for dusting fowls. Unequaled insofar as efficiency in killing and eradicating lice on poultry is concerned.

- 15 -oz. pkg.....30c
- 2 1/2-lb. pkg.....70c

Ant Powder

McClellan's Ant Powder repels and kills all varieties of household ants.

- 2-oz. Can.....\$.25



McClellan's Sept-A-Soil

(An Iodized and Cresylated Disinfectant)

For spraying over soil, dirt, ground and all premises which have been used by infected or unhealthy poultry or stock.

- 1-Gallon cans.....\$2.75



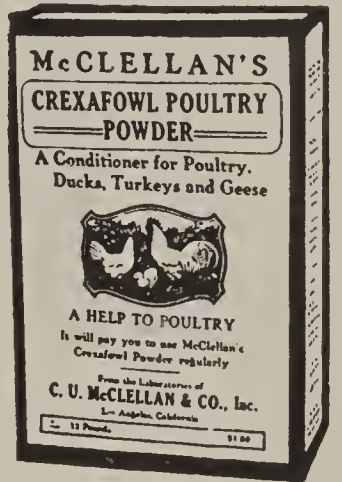
*McCLELLAN'S LIQUID CREXAFOWL POULTRY TONIC—McClellan's Liquid Crexafowl is a scientific mineral conditioner for poultry, ducks, turkeys, geese and young fowl, especially indicated for baby chicks as well as an excellent fattener for use by feeding stations. A splendid stimulating conditioner for moulting hens. Makes hens lay and pay.

- 8-oz. bottle.....\$.50
- 16-oz. bottle......75
- Quart bottle.....1.00
- 1/2-Gallon bottle.....1.75
- 3.00

- 1-gallon bottle.....3.00
- 5-gallon bottle.....12.50

McCLELLAN'S CREXAFOWL POULTRY POWDER—Is compounded for the same purpose as Crexafowl Liquid, but put up in powder form.

- 1 1/2 Lb.\$.30
- 5 Lb.85
- 12 Lb. 1.85
- 30 Lb.—Galvanized pail... 4.25
- 100 Lb.—Barrel 12.00



McCLELLAN'S POULTRY PRESCRIPTION 999—Tonic and Worm Powder—An efficient and very successful flock treatment for internal parasites, such as tapeworms and large round worms. It is a scientifically and properly balanced compound of vital minerals together with several very expensive and proven worm expellents. It is harmless in effect upon the bird. Will not retard egg production, will not cause the birds to go into moult but on the contrary increases the egg output and acts as a builder of the body, blood and vitality. It can easily be mixed with the feed or given in individual treatments as preferred.



- 4-oz. pkg.....\$.50
- 12-oz. pkg.....1.25
- 1 1/2-lb. pkg.....2.25
- 3-lb. pkg.....4.25
- 5-lb. pkg.....6.25

McClellan's N. I. (Nox Infecto)

(Sodium Hypochlorite Solution)

McClellan's N. I. is a sodium hypochlorite solution. It is a non-poisonous but powerful sterilizer, deodorant, disinfectant and antiseptic, recommended for hospitals, dairies, schools, depots, bottling plants, poultry ranches, etc.

Great household purifier, cleanser, deodorant germ destroyer.

Non-poisonous, colorless, leaves no odor. Circular on request.

- 12-oz. bottle.....\$0.50
- 1-qt. bottle......90
- 1-gal. bottle.....2.00
- 5-gal. bottle.....8.50

McCLELLAN'S

“N~I”

NOX INFECTO

Disinfectant Bleacher
Deodorant Cleanser
Antiseptic Purifier

Active Ingredients
Sodium Hypochlorite.....5.62
Inert Ingredients.....94.33
Total 100%.....100.00

From the Laboratories of

C. U. McCLELLAN CORP.

LOS ANGELES, CALIFORNIA

NET CONTENTS

POULTRY FLOCKS should always have a good pasture available. We have many items of seed that make an ideal pasture, such as Chicken Lettuce, Rape, Alfalfa and many grains.

McClellan's Rabbit Remedies

McCLELLAN'S CANKER-RAB (Formerly McClellan's Rabbit Ear Canker Remedy)—For ear canker in rabbits and furred animals. 2-oz. bottle 50c.

McCLELLAN'S RABBIT BOWEL CONDITIONER (Formerly Rabbit Diarrhoea Remedy)—2-oz. bottle 50c.

McCLELLAN'S LARGE ROUND WORM EMULSION AND CONDITIONER—2-oz. bottle 50c.

McCLELLAN'S RABBIT COLD PREPARATION—See Bronki-ol Inhalant, page 39.

McCLELLAN'S RABBIT SNUFFLE PREPARATION—See Bronki-ol Inhalant, page 39.

McClellan's Fly Fate

For Household Purposes

McClellan's Fly-Fate is non-poisonous and harmless to everything except insects. Kills flies, cloth moths, mosquitoes, fleas, roaches, bed bugs, and ants. McClellan's Fly-Fate is highly perfumed with the following odors: Lilac, wintergreen and acassia. Recommended for homes, hotels, restaurants, markets, stores, etc. Will not stain.

Pint bottle.....\$.30
Weight, 2 lbs.
Quart bottle......50
Weight, 4 lbs.



McCLELLAN'S UDDER BALM—Soothing, penetrating ointment for many affections of the bag, such as Bunches, Caked Bags, Cuts, Sore Teats, Chapping and Inflammation. 10-oz. cans 60c.

McClellan's Dog Shampoo

McClellan's Dog Shampoo.....\$.30

*McClellan's Flea Powder

McClellan's Flea Powder is entirely different from all other flea powders on the market for the reason we have perfumed it with a very delicate perfume so after using on the animals it will leave a very pleasant odor instead of the smell of disagreeable chemicals as most all other flea powders leave. We have also used every precaution in selecting a powder that would be non-injurious to the animals as most dogs and cats clean themselves often. 3-oz. cans 30c.

Dr. LeGear's Remedies

LeGear's Gall Salve

Recommended for sore backs, caused by collars and saddle galls, scratches, sore teats on cows, and minor sores on live stock. Keeps sore softened and you can continue working the horse while using Dr. LeGear's Gall Salve. 2-oz. can 30c.

Antiseptic Powder

Promotes Healing—It is an excellent antiseptic preparation for treating cuts and sores, barbed wire cuts, saddle, harness and collar galls. Keeps off flies. For flesh wounds and abrasions, livestock breeders find LeGear's

Antiseptic Powder a splendid preparation. Put up in sifter-top cans. Easy to apply—simply dust on.
Small can.....\$.30
Large can......60

Lice Killer Powder

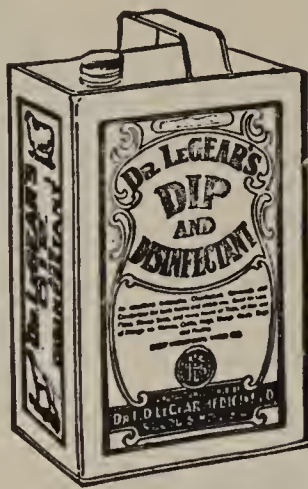
For Lice on Poultry

14-oz. can.....\$.25

All Insecticides Can Now Be Mailed. Just Add Postage to Your Order.



Dr. LeGear's Dip and Disinfectant



An excellent antiseptic, disinfectant, germicide and deodorant for both home and stable use. Good for lice, fleas, sheep scab, and many forms of ticks, itch and mange on horses, cattle hogs, sheep, goats, dogs and poultry.

Put up in 8-oz. bottle 30c; quart 65c; gallon \$1.75.

SPECIAL—Bring in your empty cans and let us fill them with LeGear's Dip and Disinfectant at \$1.25 per gallon.

also tape worms—a very easy simple individual treatment—no fasting necessary—as the pill is to given on full crop.
50 Pills.....\$.75
100 Pills.....1.25

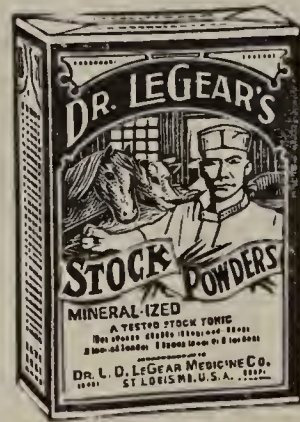
Dr. LeGear's Cow Prescription



DR. LeGEAR'S COW PRESCRIPTION—It is scientifically balanced to make an efficient tonic, appetizer and conditioner for milch cows, heifers and calves. 2 lbs. 50c.

DR. LeGEAR'S HOG PRESCRIPTION—A tonic and conditioner. It thus aids assimilation. The advantage of this powder when fed with the slops or in a self-feeder is that it does not throw the hogs off their feed. It furnishes the suckling sows the necessary minerals thereby giving the pigs the right start during first 6 months of their life. A pig should have these minerals to facilitate proper growth and get him ready for the market in the fall. 25c size; 50c size; 25-lb. pkg. \$3.00.

LeGEAR'S POULTRY PRESCRIPTION—Helps to make hens lay to keep poultry health. A good general tonic and remedy for many ailments of poultry. It is especially beneficial during the moult, in the breeding season and during the winter time. 25c, 50c and \$1 sizes; 25-lb. drum \$3; 100-lb. bag \$10.50



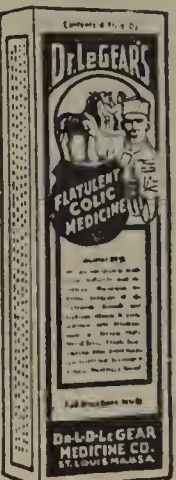
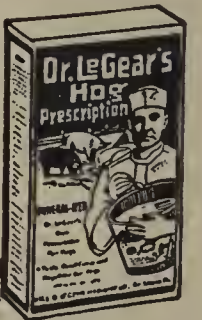
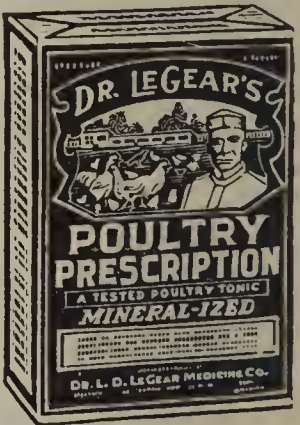
Dr. LeGEAR'S STOCK TONIC—Has been used and recommended by leading farmers and stock breeders for 40 years. It contains mineral and vegetable ingredients scientifically compounded to produce an effective tonic, appetizer and conditioner for cows, horses, mules, sheep and hogs.

Small size pkg.....\$.25
Medium size pkg......50
Large size pkg.....1.00
25-lb. pkg.....3.00
100-lb. bag.....10.00

LeGEAR'S COLIC MEDICINE—Recommended for all cases of flatulent colic in livestock. You will find in the majority of cases it will relieve your horse in 2 or 3 hours.
4-oz. bottle.....\$.75

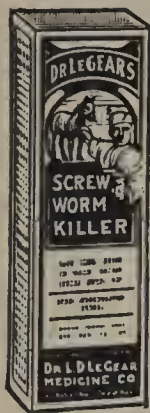
SPRAYING GUIDE

We will gladly mail you upon request our Spraying Guide. Tells you how, what and when to spray. Send for your copy today. IT'S FREE!



DR. LeGEAR'S REMEDIES

LeGear's Screw Worm Killer



A THREE-IN-ONE preparation. It not only kills Screw Worms, but keeps the flies away and promotes healing. It has a sprinkler stopper, which makes it very easy to apply, right into the wound.

2-oz. bottle 30c; 6-oz. bottle 60c.

LeGear's Liniment



This preparation is a white penetrating liniment, and an efficient counter-irritant for sprains, bruises and muscular soreness and lameness of livestock. Also for muscular aches and pains of man.

2-oz. bottle 30c; 6-oz. bottle 60c.

LeGear's Blister

Will be found to be an effective blistering ointment for Spavin, Splint of Curb. It will not kill the hair or blemish when used according to directions. We have hundreds of testimonials that it has given entire satisfaction.

Dr. LeGear's Blister is an ointment, and is easy to apply.

2-oz. bottle 75c.



LeGear's Chick Tablets

An intestinal astringent. Helps chicks to get the right start! When dissolved in the drinking water it has a mild antiseptic effect on the water which is very beneficial to all baby chicks as an intestinal astringent. Cans contain 80 tablets, 50c.

Dr. LeGear's Dog Remedies

Contains the Most Effective Ingredients Known to Modern Veterinary Science

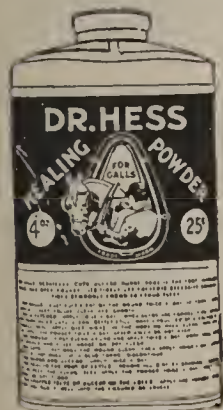


- Tape Worm Tablets.....\$.50
- Mange Prescription..... .50
- Tonic Condition Tablets... .50
- Kennel Disinfectant..... .50
- Flea and Lice Powder..... .25
- Flea and Shampoo Soap... .50
- Laxative Tablets..... .50
- Pepsin Compound Tablets... .50
- Special Tablets (for reducing fever)..... 1.00
- Nerve Sedative Tablets.... 1.00
- Eye Lotion..... .50

- Cod Liver Oil Concentrate Tablets..... 50c and \$1.00
- Round and Hook Worm Capsules for small dogs... .50
- Round and Hook Worm Capsules for Medium-Large Dogs..... .50

DR. HESS REMEDIES

Dr. Hess Healing Powder



An Antiseptic Treatment for Open Wounds and Abrasions. For veterinary use it is a recognized remedy for galls, cuts, thrush, mud sores, burns, wire cuts, ulcers, foul in the feet, fistula, chapped teats and surface wounds of every description. It also prevents proud flesh. Being a powder, stable dirt and dust will not stick to it.

Put up in handy adjustable, sifting-top can.

- 10-oz. can.....\$0.50
- 4-oz. can..... .25



Dr. Hess Udder Ointment

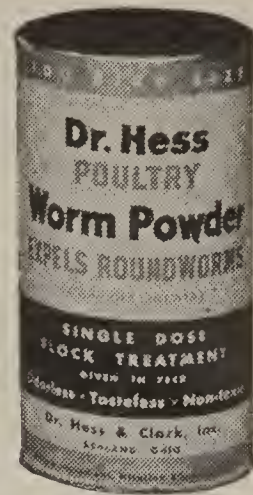
Especially prepared for treatment of injuries and congestion of the udder and teats. Penetrating, soothing, healing.

Large handy can, 50c.

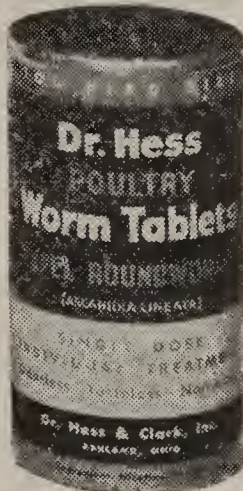
Hess Poultry Worm Powder

A proven single-dose flock treatment for round worms. Given in mash the expulsion of worms starts in a few hours and is usually completed in from 24 to 36 hours. No fasting or laxatives required. Does not check egg production.

- 50 Adult Bird size.....\$0.50
- 100 Adult Bird size..... .90
- 250 Adult Bird size..... 1.90
- 500 Adult Bird size..... 3.00
- 1000 Adult Bird size..... 5.40



Dr. Hess Poultry Worm Tablets



The active ingredients of Dr. Hess Poultry Worm Powder in tablet form for individual treatment.

- 40 Tablets, pkg.....\$0.50
- 100 Tablets, pkg..... 1.00
- 250 Tablets, pkg..... 2.00
- 500 Tablets, pkg..... 3.50
- 1000 Tablets, pkg..... 6.50

Dr. Hess Chick Tablets

For common diarrhoea, bacillary white diarrhoea, coccidiosis, or any form of bowel trouble affecting poultry. Used as a preventive and as a treatment. Given in the drinking water.



- 45 Tablets.....\$0.45
- 100 Tablets..... .50

Dr. Hess Poultry Tablets

Of high value in treating roup; slightly astringent, non-irritating and healing. Use as a local antiseptic and to medicate drinking water. Thus used they aid in preventing the disease. Once dissolved they remain in solution. The water needs no further stirring.

- 45 Tablets.....\$0.25
- 100 Tablets..... .50



Dr. Hess Fly Spray

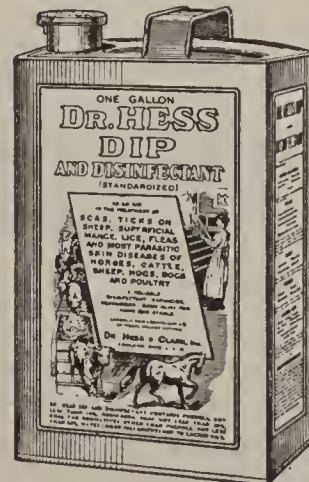
Has the odor of the pines. Pleasant to folks, but repelling to flies and mosquitoes. Prevents the summer milk slump. Besides being a most efficient fly repellent

it is a disinfectant and deodorant. Will not taint the milk; will not stain or gum the hair. It is a skin cleanser.

- 1 Gallon.....\$1.50
- 5 Gallons..... 6.50



Dr. Hess Dip and Disinfectant



Kills hog lice, sheep ticks and other animal parasites. For general disinfecting about stables, dairy barns, poultry houses and the household. It is standardized, always uniform in strength. Makes a milky-white emulsion.

- Pints.....\$0.35
- Quarts..... .60
- 1/2 Gallon..... .90
- 1 Gallon..... 1.50
- 5 Gallons..... 6.50

SANITATION

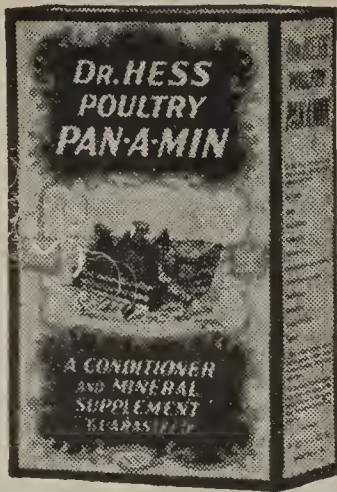
PAYS BIG DIVIDENS

KEEP YOUR POULTRY HOUSES AND DAIRYBARNS FREE OF DISEASE AND VERMIN.

Dr. Hess Poultry Panamin

Helps make poultry healthier and to make hens lay. Not a stimulant, but a tonic that tones up the dormant organs, brings back the scratch and cackle, and compels each hen to put her share of eggs in the market basket.

100-lb. Drum	-----	\$10.50
25-lb. Pail	-----	3.00
15-lb. Pkg.	-----	2.00
7-lb. Pkg.	-----	1.00
3-lb. Pkg.	-----	.50
1½-lb. Pkg.	-----	.25



Dr. Hess Stock Tonic

IMPROVED — With Minerals



Added—A Conditioner and Worm Expeller—Promotes health, makes hogs, cows and sheep more profitable—keeps horses and mules in good condition. Rids hogs of worms, makes the runts thrive and the whole herd gain faster.

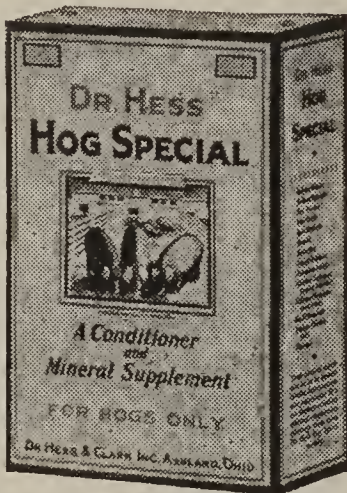
Contains tonics to whet the appetite of cows, laxatives to keep the bowels in order, diuretics for the kidneys, and the needed minerals usually lacking in ordinary rations.

100-lb. Drum	-----	\$10.50
25-lb. Pail	-----	3.00
15-lb. Pkg.	-----	2.00
5-lb. Pkg.	-----	.75
3-lb. Pkg.	-----	.50

Dr. Hess Hog Special

A Splendid Conditioner and Worm Expeller for Hogs—Rids hogs of worms. Makes the runts thrive and the whole herd gain faster. Contains tonics to whet the appetite, laxatives to keep the bowels in order, diuretics for the kidneys, and the needed minerals usually lacking in ordinary rations

100-lb. Drum	-----	\$10.50
25-lb. Pkg.	-----	3.00
15-lb. Pkg.	-----	2.00
7-lb. Pkg.	-----	1.00
3-lb. Pkg.	-----	.50



Dr. Hess Louse Killer

Kills lice on poultry, horses and cattle; sheep ticks; bugs on cucumber, squash, and melon vines; slugs on rose bushes; ants. Non-poisonous; can be used in safety on edible plants. Sold in sifting-top cans.

1 -lb. Can	-----	\$0.25
2½-lb. Can	-----	.50

Creosote Dip

15% Crude Carbolic Acid—An excellent liquid spray or paint to put on your poultry house to keep them free from all vermin.

¼ Gallon	-----	\$0.35
½ Gallon	-----	.65
1 Gallon	-----	1.00

Bulk Dip and Disinfectant

2 to 3 Co-efficient—Used as a disinfectant, germicide, insecticide and antiseptic for poultry houses, kennels, barns and household uses. Diluted with water or oil.

¼ Gallon	-----	\$0.45
½ Gallon	-----	.75
1 Gallon	-----	1.35
5 Gallons	-----	6.25

Potassium Permanganate

An excellent germicide used extensively in drinking water for poultry to keep them in healthy condition. Has a very soothing effect on the membranes and linings of chickens' throat and intestines and therefore very extensively used in curing the diseases of these tracts. Price per pound 65c.

GEO. H. LEE REMEDIES

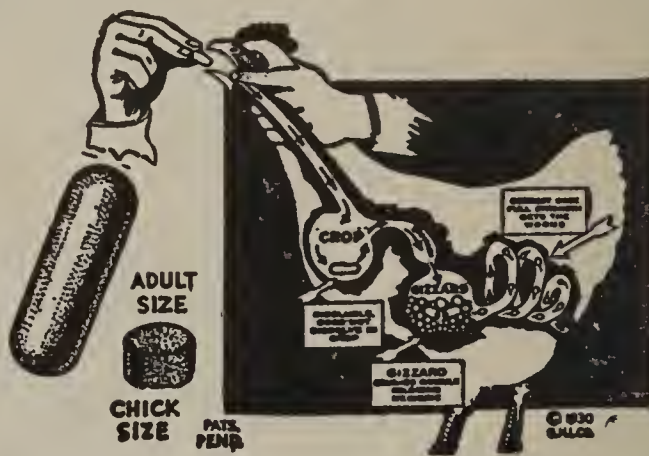
Lee's Lice Killer

It kills by vapor and contact. It gives double service. Painted on the roost it kills insects with which it comes in contact, and the vapor arising kills lice on the bodies of the chickens as they roost over night, also the insect causing scaly leg. Not mailable. Price—Quart can, 60c; ½ gallon, 90c; gallon can, \$1.50.



Lee's Gizzard Capsules

An insoluble capsule carrying a triple combination worm medicine for Tapeworms, Round Worms and Pin Worms. Being insoluble, it passes through the mouth, throat, crop and stomach of the fowl to the gizzard where it is ground up like a grain of corn, pouring the full strength, undiluted medicine directly into the intestines upon the worms.



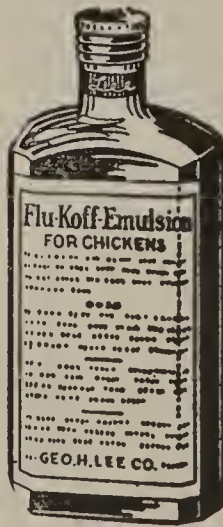
CHICK SIZE		PULLET SIZE	
50 Capsules, pkg.	---\$0.40	50 Capsules, pkg.	---\$0.50
100 Capsules, pkg.	---.75	100 Capsules, pkg.	---1.00
250 Capsules, pkg.	---1.75	250 Capsules, pkg.	---2.50
500 Capsules, pkg.	---3.25	500 Capsules, pkg.	---4.50
1000 Capsules, pkg.	---6.00	1000 Capsules, pkg.	---8.50

ADULT SIZE	
50 Capsules, pkg.	-----\$0.75
100 Capsules, pkg.	-----1.35
250 Capsules, pkg.	-----3.00
500 Capsules, pkg.	-----5.50
1000 Capsules, pkg.	-----10.00

Lee's Vapo-Spray

A combination of healing oils, is sprayed in the air in the hen house at night. Its vapor is breathed into the nasal passages, throat, windpipe and lungs and acts directly on the inflamed parts. Also recommended for hogs.

1-Qt. can	---\$0.75
½-Gal. can	---1.25
1-Gal. can	---2.00



Lee's Emulsion

A cough medicine for poultry and hogs; acts much the same as a cough syrup in human beings. It may be administered in water, thick slop, wet mash, or soaked grain (soaked oats preferred).

INGREDIENTS: Oil Eucalyptus, Oil Pine Tar, Oil Anise, Beechwood Creosote, Chloroform, Camphor, Turpentine, Linseed Oil, Sodium Chloride, Water and Emulsive.

13-oz. Bottle	-----	\$1.00
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TO PRODUCE BETTER MILK AND CREAM
STERILIZE ALL DAIRY UTENSILS.

B-K SAVES TIME AND LABOR

Kills the bacteria on utensils immediately—fast working and effective.

(See page 45 for prices)

Lee's Germozone



A most effective remedy for diseases affecting the skin and semi-exterior mucuous membrane of man, fowl or beast.

For Poultry—Roup, colds, canker, chicken-pox, sore head, swelled head, cholera, bowel trouble, etc.

For Stock—Cuts, sores, wounds, sore eyes or mouth, saddle or harness galls swelling skin diseases, etc.

4 oz. at	-----	\$0.40
12 oz. at	-----	.75
Quart size	-----	1.50
1/2 Gallon	-----	2.50
Gallon	-----	4.50

Lee's Nasal Syringe

In swelled head and other very serious diseases of this type, the upper air passages of the head become filled with mucus. Medicine, to be effective, must come in direct contact with the affected membrane lining.

With this syringe the medicine is forced into the head right where it will get direct action against the disease and, at the same time, this forcing of the medicine into the nasal passages also forces the mucus out of the head. The mucus will come through the nose and eye sockets.

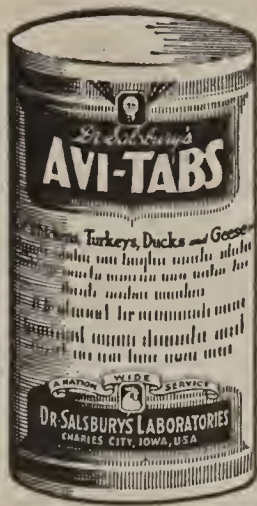
Each ----- \$0.75



Lee's Poultry Syringe

Many times in treating sick chickens it becomes necessary to give individual doses of medicine, and if the birds refuse to eat, this can only be done by the use of Lee's Poultry Syringe. Here are a few of its many uses: Individual treatment of sick chickens; individual doses of epsom salts; washing out crop with Germozone in limberneck; doses of castor oil, sweet oil, or mineral oil; feeding milk of thin gruel to sick chickens. These and many other uses for this wonderful little syringe will be found wherever poultry is raised. 1 oz. capacity. 25 cents (30 cents postpaid).

Avi-Tabs



Wormer and tonic in tablet form. For flock treatment. For birds up to sixteen weeks figure one tablet per chick for a five-day treatment.

50 Tablets	-----	\$.60
100 Tablets	-----	1.00
200 Tablets	-----	1.75
400 Tablets	-----	3.00
1000 Tablets	-----	7.00

Cam-Pho-Sal

For roup, cold, flu, gapes, bronchitis, brooder pneumonia, etc., in fowls of all ages. Has three times the germ killing strength of carbolic acid.



Small Bottle (250 chick size)	-----	\$1.00
Medium Bottle (500 chick size)	-----	1.50
Large Bottle (1000 chick size)	-----	2.50
Half Gallon (4000 chick size)	-----	9.25

Rakos

A concentrated liquid antiseptic and astringent for aid in treatment of coccidiosis in chickens and turkeys of all ages. Appetizer and tonic.

Pint Bottle (150-250 chicks)	-----	\$1.25
Half Gallon (600 chick size)	-----	3.50
Gallon (1200 chick size)	-----	6.00



Mixed Bacterin Fowl

Cholera-Typhoid Bacterin

A preventive and curative treatment against roup, colds and related diseases affecting the head of chickens and turkeys.

60 Doses—60 c.c. bottle	-----	\$ 1.50
120 Doses—2-60 c.c.	-----	2.40
250 Doses—250 c.c.	-----	5.00
500 Doses—2-250 c.c.	-----	8.00
1000 Doses—4-250 c.c.	-----	15.00



DR. SALSBUURY REMEDIES

Phen-O-Sal



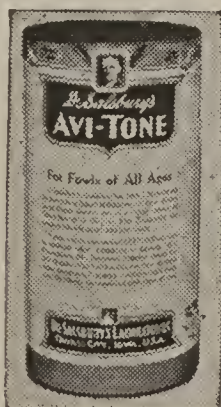
Excellent aid in the treatment of diarrhoea and coccidiosis of chicks, fowl typhoid, fowl cholera, enteritis, irritation from worms, blackhead in turkeys, also duck and goose cholera. Figure one tablet per chick as a five-day treatment.

25 Tablets	-----	\$0.25
50 Tablets	-----	.50
125 Tablets	-----	1.00
300 Tablets	-----	2.00
500 Tablets	-----	3.00
1000 Tablets	-----	5.50

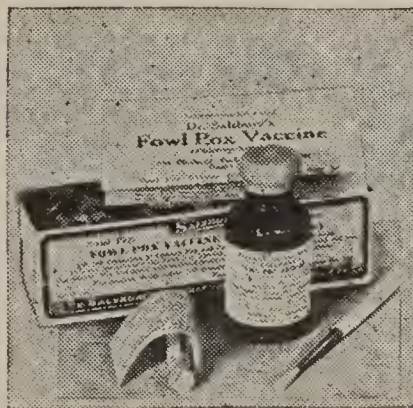
Avi-Tone

Flock treatment for round worms, worm preventive and general tonic. For baby chicks and turkeys, growing stock and laying flocks. In powder form.

2-lb. carton (Flocks up to 100)	-----	\$.75
5-lb. carton (Flocks up to 250)	-----	1.75
15-lb. drum (Flocks up to 750)	-----	4.75
25-lb. drum (Flocks up to 1200)	-----	7.50
50-lb. drum (Large Flocks)	-----	14.00



Fowl Pox Vaccine



To prevent chicken-pox by feather follicle or stick method of vaccination. Specify chicken strain for growing stock and permanent immunity and pigeon strain for laying stock.

100-dose Pkg.	-----	\$1.00
500-dose Pkg.	-----	4.00
2 500-dose Pkgs.	-----	7.00



Quitman Syringe—Metal (similar to cut)	-----	\$1.50
10-dose Glass Syringe	-----	1.25



Rids poultry of all blood sucking lice, mites, fleas, blue bugs, cleans them of all intestinal worms and parasites. It is also a wonderful poultry tonic, blood purifier, health builder and egg producer. It contains lots of sulphur, compounded scientifically with other health building ingredients. Known remedies for preventing disease. "Prevention is cheaper than cure." Keep your flocks free of insects and intestinal worms and their system in good condition through the winter and you will get good hatchings and strong chicks in the spring. A supply to last you through the winter and spring will cost very little. Give it a six days' trial at our risk. Money back if not pleased. 50c and \$1.00 per bottle.

"PIGS IS PIGS — but it takes Old Hickory Smoked Salt to give that famous hickory flavor." So says an enthusiastic farmer who has been using Old Hickory for several seasons.

(See page 45 for prices)



Don Sung

Chinese for Egg-Laying

It is a concentrated medicine—no needless bulk or filler—ready to add to your mash feed. It has a direct tonic action on the egg-laying organs and doesn't force or hurt the hens in any way. It produces more eggs by first putting the hen in good health, and then helping to maintain their health.

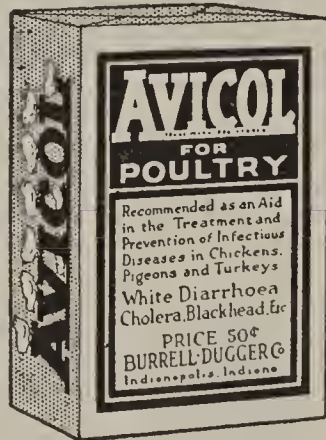
Small size, 50c; large size (3 times the 50c size) \$1.00.

Avicol

For White Diarrhoea in Chicks, and Blackhead in Turkeys

Avicol does the work in 48 hours. Almost from the very moment you drop the first Avicol tablet in the drinking water, the sick chicks start to get well. Usually, in a short time, the very ones that seemed too weak and sick to live another day, are running around as lively as crickets, full of pep, hungry, hearty, scratching and pushing for a place at the feeding trough.

Price, 50c; special large size (almost 3 times 50c size), \$1.00.



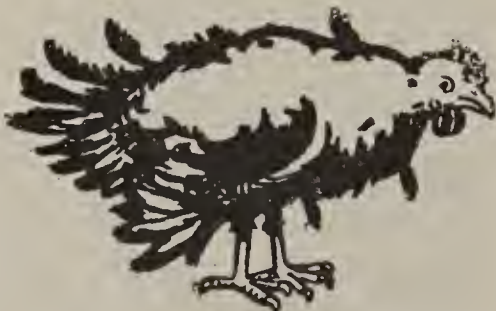
FOR COLDS in Poultry Group-Over



Use Group-Over at the very first symptoms of Roup or colds in your flock. It clears the air passages and brings relief with magic quickness. Easily used, both for individual treatment and in the drinking water for flock prevention.

Price 50c; large size (3 times 50c size) \$1.00.

Talcumized Sodium Fluoride



"I Need T. S. F."

It kills both old and young lice, including unhatched lice present at the time of treatment. Talcumized Sodium Fluoride (called "T. S. F.") is made especially for poultry use. It is less irritating than straight Sodium Fluoride, penetrates the plumage more thoroughly, and comes packed in a moisture-proof, shaker-top package bearing the U. S. Government's directions for using. Large size 50c; special size (5 times 70c size) \$2.00. The above prices include packing and shipping.

Pratts

Poultry Regulator

24-oz. Pkg.-----\$.25
PRATT'S BAG OINTMENT-----\$.50

Pratts

Cow Tonic

This splendid tonic is made specially for cows. It contains no filler and no antimony, arsenic or dangerous minerals. Mixed with the feed it helps the digestion, regulates the bowels, tones up the reproductive system, helps prevent abortion, costs little and pays you big profits. Absolutely guaranteed. Try it-----\$.50

ROACHES

EXTERMINATE THEM WITH SATEX BLUE SODIUM FLUORIDE—SEE PAGE 45

DRENCH AND DIP SHEEP

TO CONTROL WORMS, LICE, TICKS AND SCAB with



Just Paint "Black Leaf 40"

ON ROOSTS TO CONTROL LICE ON POULTRY

1-oz. bottle-----	\$0.35
Covers 12 to 15 running feet of roost.	
5-oz bottle-----	1.00
Covers 60 to 75 running feet of roost.	
1-lb. bottle-----	2.25
Covers 180 to 240 running feet of roost.	
2-lb. tin-----	3.25
Covers 385 to 480 running feet of roost.	
5-lb. tin-----	5.85
Covers 900 to 1200 running feet of roost.	
10-lb. tin-----	10.60
Covers 1,900 to 2,400 running feet of roost.	

Kill Roundworm While Flock Feeds

Don't waste feed on round worms—kill them. Just feed

"Black Leaf" Worm Powder

ONCE IN MASH

Single dose does the work. Easy, economical and effective. Saves time, trouble and money. Increases production. Harmless to birds. No odor, taste or bother. We highly recommend "Black Leaf" Worm Powder. Ask for circular.

4 -oz. Pkg., 100 hen size-----\$.75
1½-lb. Pkg., 600 hen size-----2.90



"Gold Leaf" Tobacco Powder

CONTROLS POULTRY ROUND WORM

Mix two pounds of "Gold Leaf" Tobacco Powder with 100 pounds of dry mash. With the large 100-lb. bag, 800 birds can be treated for about 12 cents a day, or at the rate of about 70 birds for 1 cent a day, during treatment period.

2 Lbs.-----\$.30
10 Lbs.-----1.00
100 Lbs.-----6.25



Conkey's Poultry Remedies

Conkey's Poultry Conditioner-----	Pkg., 25c, 50c
Conkey's Poultry Laxative-----	Pkg. 25c
Conkey's Scaly Leg Remedy-----	Pkg. 25c
Conkey's Gape Remedy-----	Pkg. 25c
Conkey's Pills (Roup Pills)-----	Pkg. 1.00
Conkey's Diatex (White Diarrhoea Remedy)-----	Pkg. 50c
Conkey's Cholera Remedy-----	Pkg. 25c, 50c, \$1.00
Conkey's Balmo (Canker Special)-----	Pkg. 50c
Conkey's Old Reliable Powder (Roup Remedy)-----	Pkg. \$1.00, 2.25
CONKEY'S POULTRY WORMER-----	Pkg. 25c, 50c

Poultrymen, Dairymen, Rabbit Breeders, Farmers
Use and Recommend
B-K

Disinfectant — Antiseptic — Deodorant — Purifier

Because it is absolutely dependable in helping to prevent the spread of infectious diseases, and because it is so inexpensive to use. They know it is a powerful non-poisonous disinfectant, easy to apply—that has proved its efficacy as a germ killer for twenty years.

You, too, will find it helpful to use B-K to prevent the spread of infectious diseases. Full directions come with every bottle.

4 oz., 30c; 10 oz., 50c; 1 qt., 90c; 1 gal., \$2.00; 5 gal., \$8.50.

B-K Powder

B-K in powder form, reduces the expense of shipping it around the country. It is of course not quite so convenient to use as in the liquid form. Full directions for its use come with each bottle. 9 1-3 oz- bottle, 75c; 1 3-4 lb. bottle (makes 3 gallons of 3½ per cent sodium hypochlorite solution), \$1.50 each, postpaid.



Udder Help

Udder Help is the ideal all-purpose ointment for livestock. Its healing, antiseptic properties make it useful in all cases for cuts, sores, bruises, cracked or chapped teats, treating non-contagious garget.

Use freely to massage sprained or stiff muscles and joints.

8-oz. tube 50c; 1-lb. can 90c; 5-lb. can \$4.25.

“Old Hickory” Smoke Salt

THE ORIGINAL AND ONLY GENUINE SMOKE SALT



There is only one way of getting ham, bacon and other home cured meats with genuine hickory flavor without the work and worry or tending to a smokehouse. OLD HICKORY SMOKED SALT SUGAR CURE is a perfect blending of fine salt, pure sugar, Chilean Saltpetre and genuine hickory wood smoke. It sugar cures and smokes at the same time—all in one operation—no smokehouse is needed.

THE OLD HICKORY SMOKE SALT curing method is the easiest and most dependable. In half the time and with half the labor you can cure and smoke your own meats—without the loss from smokehouse shrinkage and spoilage in the cure. The rich, natural meat juices and tasty fats are all retained and every piece of meat is cured and flavored uniformly and thoroughly—clear through to the bone.

Approved by Good Housekeeping Bureau of Foods.

2-lb. Drum ----- \$.25
 9-lb. Drum ----- .90

Martin's Screw Worm Killer

A three-in-one preparation. It not only kills Screw Worms but keeps the flies away and promotes healing. It has a sprinkler stopper, which makes it very easy to apply right into the wound.

2½-oz. Can ----- \$.25

Peerless Screw Worm Killer

Kills the worms quickly without any bad effects on the wound and assists in healing. Sprinkler top.

4-oz. size ----- \$.25
 8-oz. size ----- .50
 Pints ----- 1.00
 Quarts ----- 1.50

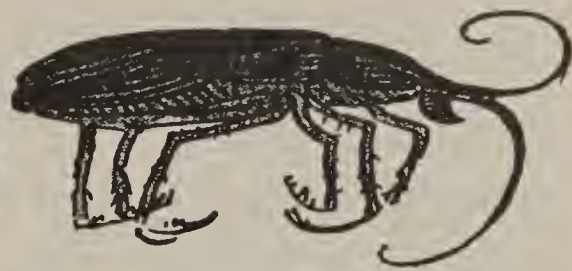
Barnes Emulsion

Is a positive control for poultry worms. If fed according to directions, based on the condition of your flock, you will have no trouble getting this situation well in hand. It will be well worth your while to make a careful test on your birds of this product. No honest test of this emulsion has failed to get results. Write for booklet, “Common Sense vs. Worms” for full information. It will be sent you free of charge.

Barnes Emulsion not only controls worms but builds the vitality of your poultry. Based on our nine years' experience with this product we unhesitatingly recommend it.



Quarts ----- \$.75
 Gallons ----- 2.25



RED SEAL INSECT POWDER—Odorless and non-poisonous. A guaranteed exterminator of roaches, flies, water bugs and fleas.

4-oz. Cans ----- \$.40
 10-oz. Cans ----- .75

GROUND PYRETHRUM FLOWERS—Dust directly on ants, also a splendid ingredient for killing flies, mosquitoes, roaches, etc. We recommend this preparation where a powder is desired. It is very effective and most economical to use. Lb. 45c; 10 lbs. \$4.00.

BEE BRAND POWDER—For mosquitoes, roaches, flies, etc. 2¼ oz. 25c; 6 oz. 50c.

Flyrol

A RELIABLE HOUSEHOLD INSECTICIDE



Destroys flies, moths, mosquitoes, bedbugs, beetles, silverfish, fleas, chicken lice, mites and their eggs. Flyrol, sprayed thoroughly within the house is a sanitary measure insuring against contagion. Flyrol is 100% active and non-poisonous. Will not stain the daintiest fabrics. No unpleasant odor. Use Flyrol freely during spring and summer months.

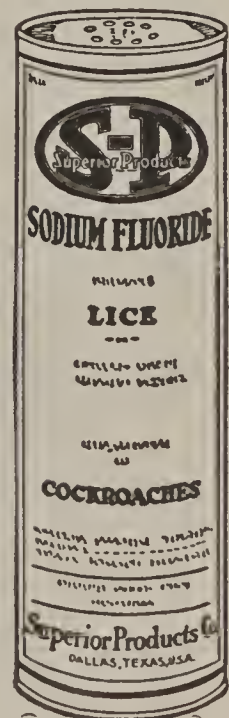
Pint cans ----- \$.30
 Quart cans ----- .50
 Gallon cans ----- 1.50
 5-Gallon cans ----- 6.25

Satex Blue Sodium Fluoride

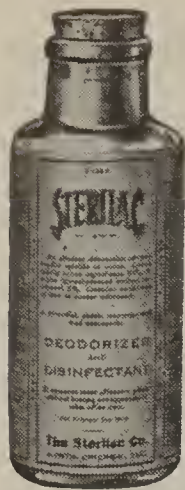
KILLS AND CONTROLS ROACHES

Numerous practical tests conducted in lunch rooms, bakeries, homes, etc., have shown that with the use of BLUE SODIUM FLUORIDE, roaches can be completely exterminated with very little trouble and cost. With the use of some dust-gun, the Sodium Fluoride can be thoroughly dusted over the shelves of pantries, cupboards, back of sinks, under tables, back of baseboards or any runway or hiding place of the roaches. The immediate effect is to cause the insects to come out of their retreats and rush more or less blindly, showing evidence of discomfort, to be followed in the course of a few hours by their death. Sodium Fluoride acts on cockroaches both as a stomach poison and as a contact poison.

1-lb. Can 30c (40c postpaid).



Sterilac



Every poultryman should have available a good disinfectant and germicide. Numberless times a disinfectant and germicide will save an entire flock from colds—roux—and various other diseases. If a bird becomes infected, place it apart from the rest of the birds and fight actively against the infection.

STERILAC is the most powerful and the most economical germicide on the market. One ounce of Sterilac makes 60 gallons of disinfectant. It should be used in more powerful mixtures for germicidal purposes. Our free booklets, "Sterilac for the Poultryman," "Sterilac for the Dairy," and "Sterilac in the Home," give full information on its use. No poultryman or dairyman should be without this in his home, poultry house and barns. It materially increases your profits.

2-oz. Bottle.....\$.50
 1/2 Pound.....1.35
 1 Pound.....2.50
 5-lb. Pkg.9.50

MILK BOTTLE CAPS—Will fit any standard milk bottle. 30c per lb.; 10 lbs. \$2.75.

BUTTER CARTONS—85c per 100, weight 3 lbs.; \$7.50 per 1,000, weight 30 lbs.

BUTTER PAPER—For wrapping 1-lb. moulded butter. 35c per lb.; 3 lbs., \$1.00.

FLOWERED SULPHUR—For feeding with salt, etc. 1 lb., 10c; 10 lbs., 75c; 100 lbs., \$5.00.

EPSOM SALTS—Well known cathartic. Bowel regulator for stock and poultry. 1 lb. 10c; 3 lbs. 25c; 14 lbs. \$1.00; 100 lbs. \$4.50.

Cod Liver Oil

To be used in poultry mashes. Experience has proven that Cod Liver Oil is very beneficial to poultry when mixed in fresh with mashes, but is of no value where it is mixed in and exposed to the air for a considerable length of time.

1/4 gal. 60c; 1/2 gal. \$1.10; 1 gal. \$2.00; 5 gal. \$8.50.

Nux Vomica

To be mixed with poultry feed to kill hawks and rats. Will not affect poultry. Lb. 40c.

Rutland's Water Glass

One can is sufficient to preserve from 16 to 20 dozen eggs. Price per can 50c.

Nicotine

THE NEW MODERN POULTRY AND LIVE STOCK DELOUSER

You do not handle a bird. There is no powder, liquid, or grease to be rubbed in, dusted or sprayed on to every bird. Just a few strokes with a paint brush and you can easily and economically delouse your entire flock whether you have 20 or 2,000 birds. The low cost and efficiency of Bonide NICOTOX makes it true economy to "just paint the roosts" whenever the birds need it. The new modern Bonide NICOTOX method does away with the necessity of using messy powders, ointments, dips, etc., which require tedious labor and usually interfere with egg production.



Bonide NICOTOX is a new, improved Nicotine Sulphate formula, stronger and has lasting qualities superior to those of any other similar product on the market. It costs about half the price of similar preparations. NICOTOX takes all

the trouble, labor and high cost out of delousing poultry, so now you cannot afford not to delouse your flocks.

	Prices and Sizes	Net Wt. per can
1/2 Pts.	\$0.75—Enough to delouse	200 hens.....10 oz.
Pts.	1.25—Enough to delouse	500 hens.....1 1/4 lbs.
Qts.	2.00—Enough to delouse	1,000 hens.....2 1/2 lbs.

Nicotine Poultry Delouser



ACME NICOTINE POULTRY DELOUSER is made on a patented formula, which causes the fuming of nicotine to be retarded, making it last longer. The insects succumb to this more prolonged action as well, or better, than to a brief, powerful fumigation. Just paint on the roost.

2-oz. Tubes, each.....	\$.35
5-oz. Tubes, each.....	.85
Pints (1 1/4 lbs. net), each.....	2.00
Quarts (2 1/2 lbs. net), each.....	3.00

EGG-O-LATUM

EGG PRESERVATIVES

Rub a fresh egg with Egg-o-latium. Set it away on end in a cool dry cellar and it will keep perfectly fresh for one year. Price 50c, postpaid.

Walko Tablets

Especially valuable for white diarrhoea among incubator chicks. Tends to increase strength and vitality and should be given in drinking water as a preventive from the time chicks are out of the shell. 50c and \$1.00 pkgs.



SALT

All Prices Subject to Change without notice

Fine Salt—	
25-lb. sack.....	\$.35
100-lb. sack.....	.95
Stock Salt—	
100-lb. sack.....	.75
Ice Cream Salt—	
100-lb. sack.....	.85
Plain Salt—	
50-lb. block.....	.45
Sulphur Salt—50-lb. block.....	.55

RABBOTENE MEDICATED SALT SPOOLS (Prepared especially for Rabbits)—Compounded from pure mineral salt with iron, sulphur, potassium iodide and selected medicinal roots and herbs of great value to digestion and assimilation in rabbits. 15c each; 2 for 25c; roll of 10 spools, \$1.00.

SULPHURIZED SALT SPOOLS—5c each; 6 for 25c.

PLAIN SALT SPOOLS—5c each; 6 for 25c.

Control Ants With Antrol

Antrol is easy to use. It controls both sweet and grease eating ants. The mildly poisonous Antrol Syrup is not left exposed when used in Antrol containers. It is safe to use around children and pets. Antrol containers are water, dirt, and rust-proof, and may be refilled and used indefinitely. Thus they are the most economical—permanent ant protection for your home.

(See page 21 for prices)

Bird Feed and Remedies

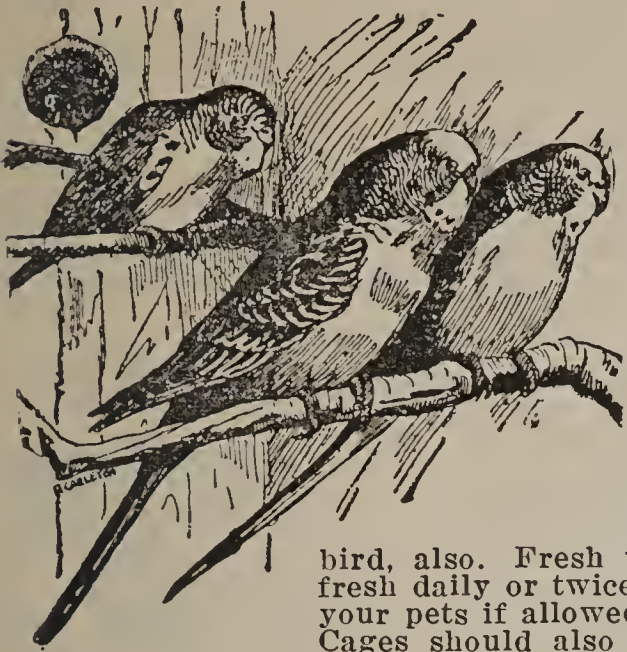
CARE OF BIRDS

The care of birds of all kinds is extremely simple. Proper food, plenty of fresh water, absolute cage sanitation—and your bird will live its allotted life. Care should of course be used to see that birds are not placed in draughts. Cage birds are not accustomed to draughts and cannot endure them without developing colds and often pneumonia.

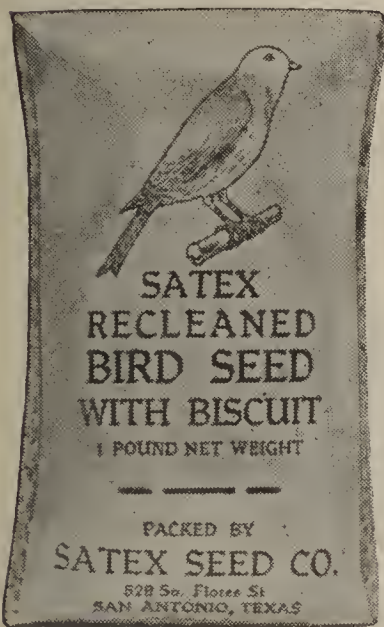
The dealer from whom you purchase your bird is the logical party to tell you what to feed it and how to take care of it—and you should be sure to ask for this information.

Cage sanitation implies a daily change and cleaning of the cage. For the smaller birds, sand should be kept in the bottom of the cage, and this sand should be changed daily. Parrots should have grit in the bottom of their cage, and this should be changed daily. If you use a litter in the bottom of the cage, we suggest that a small cup of grit be made available for the

bird, also. Fresh water is essential. All birds must have water and it should be furnished fresh daily or twice a day. Birds should be kept free from mites, lice, etc. These pests will kill your pets if allowed to breed without disturbance. Mite powders applied to the birds are good. Cages should also be freed either with scalding water or sprayed with Flyrol. For prompt service and sufficient postage for delivery see page 1.



Satex Mixed Bird Seed



A blend of the finest seeds to be found on the market double re-cleaned in order to remove all foreign particles and dust, containing Sicilian Canary, Bird Rape and Millet, mixed in the proper proportions for your bird's health and

song. Each package is packed with bird exercise ball.

- 1-lb. package with exercise ball.....\$0.15
- Postpaid25
- Love Bird Mixture: per lb.10
- Sicilian Canary Seed: per lb.15
- Hemp: per lb.10

- Maw or Poppy Seed, per lb.40
- Millet, per lb.10
- Bird Rape, per lb.15
- Sunflower Seed, per lb.15



French's Bird Feeds and Remedies

- French's Mixed Bird Seed.....12c
- French's Gravel.....10c
- French's Bird Charcoal.....10c
- French's Parrot Medicine.....25c
- Burnett's Bird Gravel.....18c

Spratt's Bird Remedies

- Spratt's Egg-Flake and Fruit, 1-lb. pkg.25c
- Spratt's Mixed Bird Seed, pkg.25c
- Spratt's Sing Song, per tin.....15c
- 2 for25c
- Spratt's Orange Color Food, pkg.25c
- Spratt's Moulting Food, pkg.25c
- Spratt's Cod Liver Oil Cage Bird and Nestling Food, pkg.15c
- Spratt's Finch Mixture25c
- Spratt's Parrot Mixture20c
- Spratt's Parrot Tonic.....25c
- Spratt's Mocking Bird Food.....25c



Magic Song Restorer

THE IDEAL SONG AND HEALTH FOOD

A mixture which we are glad to recommend to our customers as producing the best results. Containing more expensive ingredients than other song restorers. Contains egg flakes unexcelled for young birds.

- 1 1/4-oz. pkg\$.10
- 3 1/2-oz. pkg20
- 5 -oz. pkg30



CUTTLE FISH BONE

- Oz.10c
- Lb.65c

Haller's Bird Remedies



- Mocking Bird Food.....35c
- Scaly Leg Oil.....25c
- Feather Restorer.....25c
- Health Food.....25c
- Bird Cage Wash.....25c
- Bird Bath.....25c
- Bird Tonic.....25c
- Bird Nesting.....10c
- Lice Powder.....25c
- Moulting Food.....25c
- Bird Bitters.....25c
- Nestling Food.....15c
- Poppy Seed25c

- Hemp and Pepper.....10c
- Ha-Ha Song Feed.....25c
- Health Grits10c
- Burnett's Louse Powder.....25c
- Burnett's Bird Tonic.....15c

Philadelphia Bird Food Co.



- Red Gravel, small size.....15c
- Red Gravel, large size.....25c
- Silver Gravel, small size.....15c
- Silver Gravel, large size.....25c
- Song Restorer Drahotas.....15c
- Mite Powder for Birds.....25c
- Nesting Hair in boxes.....10c
- Nesting Food, box.....25c
- Orange Color Food.....25c
- Moulting Pepper.....25c

Fish Foods

- Spratt's Wafer.....\$0.08
- Spratt's Granulated......10
- Zeke Turtle Food......10
- Spratt's Ant Eggs......25

NOTE—We can get any style leg band you desire and numbered up to 1,000. It will take from one to two weeks to fill these special orders. 25% of amount of order required when sending in order. Mail us sample or picture of band you desire if not listed in this catalog.

Bird Cage Supplies

Feed Cup, Crystal. Open or closed top, each	\$.10
Non-breakable Feed Cups	.20
Bird Nests, Hendryx	.10
Bird Nests, Lindemann	.10
Nesting Hair	.10
Perch Stock, per foot	.10
Leg Bands, each	.01
Cage Swings	.10
Spratt's Mite Traps	.25
Canary Bath House, each	.75
Egg Food Cup, each	.05
Opal Bath Tubs, 4½ inches, each	.10
Opal Bath Tubs, 5¼ inches, each	.15
Wall Brackets, nickel, 12 inches, Style Q, each	.20
Wall Brackets, brass, 12 inches, Style I, each	.25
Cage Springs, Medium, No. 16, each	.15
" " Small, No. 145, each	.10
No. 282, Brass Chains and Springs, each	.30
Feed Cup, Opal, Open or Closed Top, each	.15

CLOSING OUT BIRD CAGES AND STANDS
We carry a complete stock of **BIRD CAGES** and **STANDS** and will quote you prices upon request.

Gold Fish

COMMONS ——— COMETS ——— FANTAILS
Write for Prices

Sergeant's


*Dog Medicines

Nerve Sedative (Run-Fit) Medicine	\$1.20
Special (Distemper) Medicine	1.00
Mange Medicine	.60
Mange Medicine (no tar odor)	.75
Condition Pills	.50
Sure Shot Capsules for Worms	.50
Sure Shot Liquid for Worms	.50
Tape Worm Medicine	.50
Arsenate and Iron Pills	.50
Canker Wash, for the Ear	.50
Mouth Wash (for the Mouth)	.50
Pepsin Tablets, for indigestion	.50
Intestinal Astringent (Diarrhoea) Medicine	.50
Expectorant (Cough Medicine) for Colds	.50
Diuretic (Rheumatic) Pills	.50
Dog Rub, a liniment	.50
Eye Wash	.50
Constipation Capsules	.50
Carbolic Tar Soap	.25
Skip Flea Soap, for Fleas and Lice	.25
Skip Flea Powder	.25
Puppy Worm Capsules	.50
Shampoo Soap	.25
Disinfectant, 4-oz. bottle	.25

*Delcreo Dog Remedies

Delcreo Tonic and Conditioner	\$.75
Delcreo Vermifuge	.60
Delcreo Laxative	.35
Delcreo Distemper	1.50
Delcreo Worm Tablets	.65
Delcreo Worm Tablets, toy dogs	.65

*Q-W Dog Remedies

	Q-W Flea Powder	\$1.00
	Q-W Mange Soap	1.00
	Q-W Flea Oil and Coat Grower	1.00
	Q-W Eye Salve	1.00
	Q-W Diarrhoea and Dysentery Tablets	1.25
	Q-W Fit and Sedative Tablets	1.25
	Q-W Red Blood Builder	1.00
	Q-W Constipation Pills	1.00
	Q-W Ear Canker Lotion	1.25
	Q-W Worm Capsules	.65
	Q-W Healing Salve	1.00

Free Dog Book

Polk Miller's famous book on the care, feeding and breeding of dogs will be sent free to all dog owners and dog lovers.

*Glover's Dog Remedies

Glover's Nerve Sedative	\$0.65
Glover's Sore Foot Medicine	.65
Glover's Diarrhoea Medicine	.65
Glover's Vermifuge	.65
Glover's Sulphur Tablets	.65
Glover's Medicated Soap	.25
Glover's Condition Pills	.65

*Clayton's Dog Remedies

Kill Flea Powder	\$0.35
Kill Flea Soap	.25
Ceoline Dog Soap	.25
Condition Pills	.60
Puppy Tonic	.60
Disemperine	.60
Distemperine Tablets	.60
Worm Bullets	.60
Worm Pills	.60
Diarrhoea Tablets	.60
Blood Pills	.60
Vermifuge Capsules	.60
Vermifuge Liquid	.60
Tape Worm Expeller	.60
Mange Medicine	.60
Digestive Tablets	.60
Laxative Pills	.60
Canker Lotion	.60
Fit Remedy	.60
Skin Medicine, toy dogs	.60
Cod Liver Oil with Hypophosphates of Lime & Soda	1.00



Sergeant's

DOG FOOD

Sergeant's Dog Bread—Lb., 15c; 2 lbs., 25c; 100 lbs., \$10.

Red Chain Dog Nuggets

A perfectly balanced food that is not only a complete ration but is so economical that it is easily afforded by any dog owner. Composed of such ingredients as dried ground meat, dried skim milk, ground wheat, cornmeal, steam cooked oatmeal, corn germ oil meal, cod liver meal. Compressed into nugget form, they supply food in a more natural form.

Lb. 10c; 3 lbs. 25c; 25 lbs. \$1.50; 100 lbs. \$5.50.

*Clayton's Cat Remedies

Cat Mange Remedy	\$0.60
Cat Distemperine Tablets	.60
Cat Tonic Catnip Condition Tablets	.60
Cat Blood Purifying and Cooling	.60
Cat Laxative Tablets	.60
Cat Digestive Tablets	.60
Cat Worm Tablets	.60
Cat Tape Worm Expeller Tablets	.60
Cat Vermifuge (liquid)	.60
Cat Canker Lotion Tablets	.60
Cat Fit Tablets	.60
Cat Diarrhoea Tablets	.60
Cat Wash and Disinfectant	.25
Cat Mouth Wash	.60
Cat Eye Lotion	.60
Cat Cough Remedy	.60
Cat Soap	.25



COMPLETE STOCK OF DOG SUPPLIES

Blankets, Sweaters, Collars, Leashes, Harness, Muzzles, etc. Should you be interested in any of these items, we would be glad to mail you a price list.

VEGETABLE PLANTING SCHEDULE

Name of Vegetable	Quantity required for 100 feet of row	Quantity required for one acre	Distances apart in inches		Depth of planting in inches	Time of Planting	Mature in days—except as noted
			Rows	In Rows			
Asparagus Plants	60 to 80	9,680	36	15 to 20	8 to 10	January and February	1 year
Beans, Snap	1 lb.	30 to 60 lbs.	20	3 to 4	1	Mar. to May; Aug. to Oct.	40 to 60
Beans, Pole	1/2 lb.	15 to 20 lbs.	36	12 to 15	1	Mar. to May; Aug. to Oct.	50 to 80
Beans, Lima, Bush	1 lb.	30 to 60 lbs.	20	3 to 4	1	Mar. to May; Aug. to Sept.	60 to 90
Beans, Lima, Pole	1/2 lb.	15 to 20 lbs.	36	12 to 15	1	Mar. to May; Aug. to Oct.	60 to 80
Beets	2 oz.	4 to 5 lbs.	12	1 to 3	1 to 2	Feb. to May; Sept. to Oct.	60 to 80
Broccoli	1/4 oz.	1/4 lb.	30	12 to 24	1/2	April to July	112 to 126
Cabbage, Early	1/4 oz.	1/4 lb.	24 to 30	12 to 18	1/2	October to December	90 to 130
Cabbage, Late	1/4 oz.	1/4 lb.	24 to 36	16 to 24	1/2	June and July	90 to 130
Cabbage Plants	80 to 100	9,680	24	12 to 15	2	Feb. to May; Aug. to Sept.	75 to 120
Carrots	1 oz.	3 to 4 lbs.	15	1 to 2	1/2	Feb. to Apr.; Aug. to Oct.	60 to 110
Cauliflower	1/4 oz.	1/4 lb.	20 to 36	10 to 12	1/2	Feb. to Apr.; Aug. to Oct.	100 to 125
Celery	1/4 oz.	1/4 lb.	20	4 to 8	1/8	August to October	120 to 150
Collards	1/2 oz.	1/2 lb.	20	10 to 12	1/2	September to May	100 to 125
Corn, Pop	1/2 lb.	6 lbs.	36	10 to 12	1	March to July	90 to 100
Corn, Sweet	1 lb.	7 to 10 lbs.	24	12 to 36	1	Feb. to April; August	60 to 75
Cucumber	1/2 oz.	1 to 2 lbs.	48	36 to 48	1	March to May; August	60 to 80
Egg Plant Seed	1/8 oz.	1/4 lb.	24 to 30	18 to 24	1/2 to 1	January to July	100 to 140
Egg Plant Plants	50 to 65	7,260	24	18 to 24	2 to 3	March to July	100 to 150
Endive	1 oz.	1/2 to 1 lb.	18	4 to 6	1/2	Feb. to April; August	85 to 175
Horseradish Roots	100	10,000	24	12 to 18	3	February and March	1 to 2 years
Kale	1 oz.	1 to 1 lb.	15	2 to 3	1/2	October to March	85 to 125
Kohlrabi	1/2 oz.	1 to 2 lbs.	15	2 to 4	1/2	September to March	60 to 80
Lettuce	1/2 oz.	1/2 to 1 lb.	12	4 to 6	1/2	September to March	60 to 90
Muskmelon or Cantaloupe	1 oz.	1 to 2 lbs.	48 to 60	Hills 36	1	March to May; July to Nov.	100 to 135
Mustard	2 oz.	2 to 3 lbs.	24	12 to 30	1/4	Feb. to May; July to Nov.	40 to 60
Okra	1 oz.	1 to 3 lbs.	24	10 to 12	1/2	March to July	90 to 125
Onion Seed	1 oz.	30,000	12 to 15	1 to 2	1/2 to 1	October to April	125 to 150
Onion Plants	2 lbs.	6 to 12 bu.	15	3 to 4	2 to 3	January to May	125 to 150
Onion Sets	1/2 oz.	3 to 5 lbs.	12	1 to 2	1	Jan. to Apr.; Aug. to Sept.	75 to 100
Parsley	1/2 oz.	3 to 5 lbs.	12	1 to 2	1/4	September to May	90 to 110
Parsnips	1 to 2 lbs.	30 to 60 lbs.	15 to 18	3 to 4	1/2 to 1	Feb., March and September	125 to 150
Peas	1/2 oz.	1/4 lb.	18 to 24	1 to 2	3 to 4	Jan. to Mar.; Aug. to Nov.	40 to 75
Pepper Seed	80 to 100	9,680	18	15 to 18	1/2	December to March	100 to 140
Pepper Plants	5 to 6 lbs.	600 lbs.	24	12 to 15	2 to 3	March to June	90 to 130
Potato, Irish	65	10,000	36 to 48	12 to 15	6 to 8	February to April	80 to 125
Potato, Sweet, Slips	1/2 oz.	1 to 2 lbs.	60 to 72	60 to 72	2 to 3	March to July	125 to 150
Pumpkin	2 oz.	8 to 10 lbs.	12	1 to 1 1/2	1	March to July	100 to 150
Radish	35	4,000	36	1 to 2	1/4 to 1/2	September to May	20 to 50
Rhubarb Roots	1 oz.	2 to 5 lbs.	15	1 to 2	3 to 4	January, February, March	1 to 3 years
Salsify	1/4 lb.	10 to 25 lbs.	12	24	1/2	February to May	115 to 175
Spinach	1 oz.	2 to 3 lbs.	24	36	1	Feb. to April; Sept. to Nov.	50 to 70
Squash, Bush	1 oz.	2 to 3 lbs.	36	36	1	March to September	60 to 80
Squash, Late	1 oz.	2 to 3 lbs.	36 to 48	36	1	April to August 15th	100 to 140
Tomato Seed	50 to 65	2,725	36 to 48	36 to 48	1 to 4	December to July	100 to 140
Tomato Plants	1 oz.	1 to 2 lbs.	15	1 to 3	1/4 to 1/2	April and May	85 to 100
Turnips	1/2 oz.	1 to 3 lbs.	60 to 72	1 to 2	1	Feb. to May; July to Nov.	50 to 80
Watermelon	1/2 oz.	1 to 3 lbs.	60 to 72	1 to 2	1	March to May	115 to 150

SATEX SEED COMPANY
 529 SOUTH FLORES STREET
 SAN ANTONIO, TEXAS