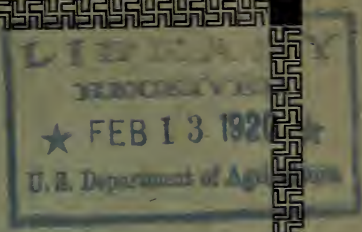


Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

For 1920 Use



Younkerman Seed Co.

Council Bluffs, Iowa

SEEDS



OUR REPUTATION has been built up by furnishing seeds of the best quality as to purity and germination, and we shall always endeavor to furnish the best seeds that can be procured, and make prices as reasonable as possible.

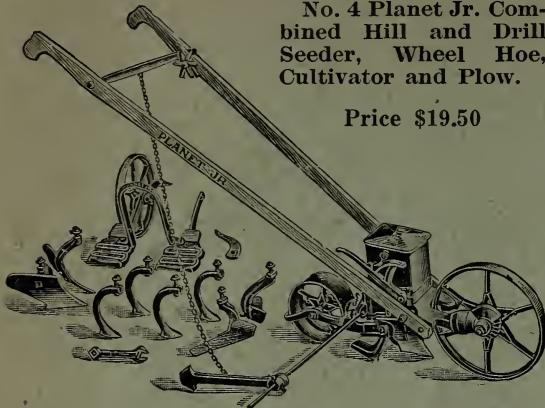
Grow Your Own Vegetables---

Cut down your living expenses. You'll be astonished how easy it is to save time, labor and money, and get bigger and better crops when you use---

Planet Jr. Garden Tools

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

Price \$19.50



Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds in drills or in hills, plows, opens furrows and covers them, hoes and cultivates quickly and easily. No. 4 D, Hill and Drill Seeder, same as above less the cultivating attachments, \$15.50.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow.

Price \$23.00

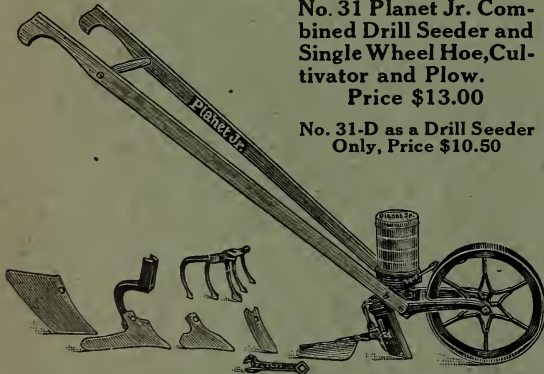


A splendid combination for the family garden, onion grower, or large gardener. It is a perfect seeder, and combined double and single wheel hoe. Sows in drills or in hills 4, 6, 8, 12 or 24 inches apart.

No. 31 Planet Jr. Combined Drill Seeder and Single Wheel Hoe, Cultivator and Plow.

Price \$13.00

No. 31-D as Drill Seeder Only, Price \$10.50



This new tool is of great value to gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision. Quickly changed to a splendid wheel hoe. A special machine for the small gardener.

Why worry along with slow out-of-date implements and meagre results? Planet Jr. tools are far more economical—they do 3 to 6 times the work, get bigger, better crops, and outlast several ordinary implements. Fully guaranteed. You are actually losing money whenever you cultivate without them.

No. 13 Planet Jr. Double and Single Wheel Hoe.

Price \$9.00



A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world.

No. 17 Planet Jr. Single Wheel Hoe.

Price \$8.75



The highest type of Single Wheel Hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest, and best way.

No. 19 Planet Jr. Garden Plow and Cultivator

Price \$6.25



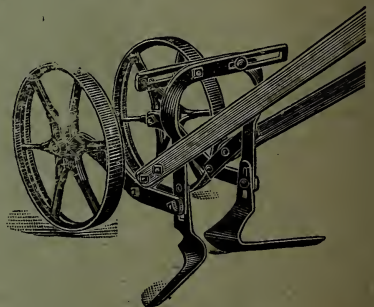
This combination will delight the suburbanites, the growing boy, women, younger or older, who will find it a light running wheel hoe that will save them hard work and help much to supply the table with fine vegetables.

No. 60 Planet Jr. Double Wheel Onion Hoe.

Price \$7.50

This new tool is a departure from all previous Wheel Hoes. It is adjustable for the complete culture of onions, or general hoeing.

The new all-steel hoes are a decided improvement over the older models. We offer a special Onion Harvester for this tool.



No. 103 Planet Jr. Horse Hoe

A new light, but very strong, Horse Hoe that will appeal to farmers and gardeners.



Conkey's Buttermilk STARTING FEED



MAKES HUSKY CHICKS

Conkey's, the Original Buttermilk Starting Feed



WHAT IT IS

Conkey's Buttermilk Starting Feed is a perfectly balanced ration for baby chicks to be fed over the critical first eight weeks. It contains clean, wholesome grain and is mixed with pure, sweet buttermilk.

CAUTION—DON'T BE MISLED BY INFERIOR BUTTERMILK FEEDS

Conkey's is the original buttermilk feed, and although the first price may be higher than inferior articles, the subsequent results make it the cheapest food on the market. Buttermilk is the intestinal cleanser and as we employ it, its full value is maintained, which means that it is very strong in lactic acid, thus counteracting foreign bacteria in the intestines which cause so much White Diarrhea in chicks and loss of life.

While buttermilk is such an important item in our Feed, the word "buttermilk" might cover up inferior grains in any Feed. We use nothing but clean, wholesome grains—not by-products nor sweepings.



WHAT IT DOES

READ WHAT THE DOCTOR WRITES

Milwaukee, Route 1, Ore., Nov. 5, 1917.
Routledge Seed & Floral Co.

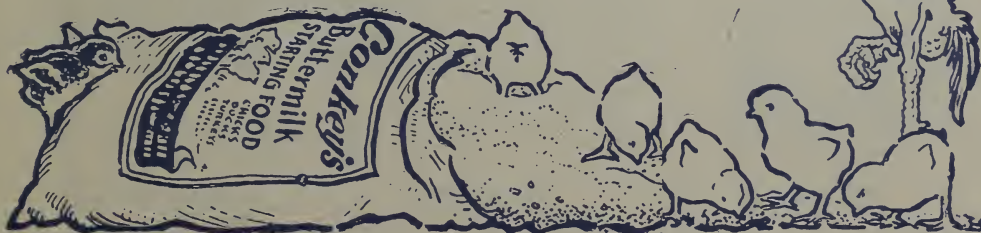
Gentlemen: Having spent considerable time, study, care and money to get the lines of heredity we wished for our "Reds," it was most disappointing to find we were unable to develop the chicks into ideal specimens of the breed; finally we observed that heredity only counts as fifty per cent in the production of a bird and environment the other fifty. To us the principal feature of environment is feed, which must be easily digested and nutritious, causing a rapid, vigorous growth; AFTER YEARS OF EXPERIMENTING with foods; we find CONKEY'S BUTTERMILK STARTING FEED IS THE BEST for the FIRST MOUTHFUL; in fact, we never take our birds entirely off this feed.

Mr. Routledge being the first person to call our attention to Conkey's Buttermilk Mash, is entitled to sincerest thanks for our phenomenal success this year, as WE HAVE NOT LOST A CHICK THROUGH SICKNESS and our show winnings (the largest of any Pacific Coast breeder) were mainly due to condition.

Sincerely yours,
NLS-RA

DR. N. L. SMITH,
Breeder S. C. Rhode Island Reds.

WRITE OR ASK FOR PRICES



Follow with CONKEY'S BUTTERMILK GROWING MASH

Conkey's POULTRY TONIC



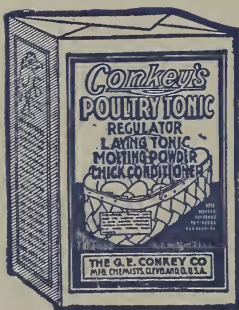
GOOD FOR ALL YOUR BIRDS EVERY DAY IN THE YEAR.

Healthy Hens Bring Poultry Profits



IN trying to get profits or some satisfaction from your poultry efforts, bear in mind that you are urging your birds beyond the limits that Nature originally had in mind. Your aim is to produce heavy layers or larger birds for market, and your efforts in this direction are putting a severe tax on the digestive systems of your flock. They need your help in supplying them with a good tonic and you cannot give too much thought to the selection of that tonic. It must contain elements that aid digestion, tone up the bird and help keep it in good condition, but it must not contain any ingredients that will have an over-stimulating, injurious effect on the sensitive organs. It must build, but it must not force.

Conkey's Poultry Tonic



Contains no cayenne pepper. It is a laying tonic, molting powder and regulator of a high type and is prepared with the same care that has made the efficiency of Conkey Poultry Remedies world famous. A little in the feed of breeding birds in early spring means vitality and strength in the hatching eggs.

It helps growing stock get more value out of their feed and keeps them hardy and thrifty through their growing and feathering period. It builds up the tired organs and run-down systems of molting birds after heavy laying, puts them through the molt quickly, and starts them laying again with the least possible loss of time. Hens in the molt need every attention you can give them. Bear that in mind. For laying, put a little Poultry Tonic in the dry mash or the wet feed every day. It helps hens earn their board, especially when egg prices are soaring and every egg means money.

You can give Conkey's Poultry Tonic to every bird in your flock every day in the year. It will pay you well to help your birds.

IN PAILS		IN BAGS		IN PACKAGES	
12 lbs.....	\$1.60	50 lbs.....	\$5.00	1 1/2 lbs.....	\$.30
25 lbs.....	3.00	100 lbs.....	9.50	3 1/4 lbs.....	.60

Not bound by these prices for any definite time or quantity, and subject to advance without notice.

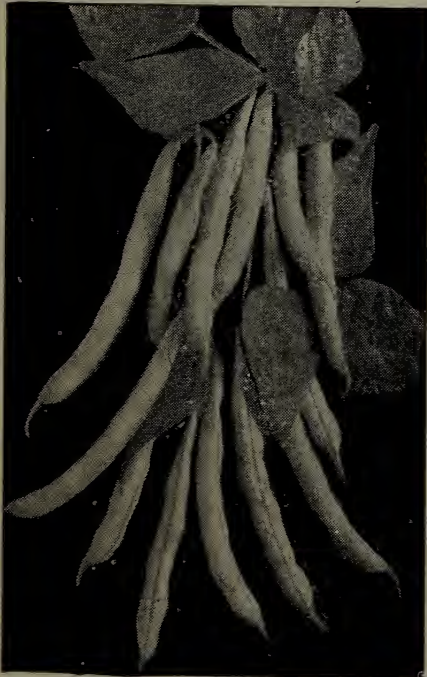
ASPARAGUS

	Oz.	¼-lb.	1 lb.
Columbian Mammoth.....	10	20	60
Conover's	10	15	50
Palmeto	10	15	50

BEETS



Detroit Dark Red—Very dark red, fine quality	10	25	75
Early Egyptian Blood Turnip—A standard early sort with small top.....	10	20	60
Crosby's Egyptian—An extra early, dark blood, round, not flat.....	10	25	75
Improved Eclipse—A fine round beet, of first quality, very early, greatly improved	10	20	60
Early Blood Turnip—Dark red and of fine flavor, productive, standard sort	10	20	60
Edmand Blood Turnip—A market gardener's strain of great regularity in shape; deep blood skin and very dark flesh of best quality.....	10	20	60
Extra Early Egyptian—Very early and dark blood color, rather flat.....	10	25	75
Extra Early Eclipse—Very early, round rooted and dark red.....	10	20	60
Half Long Blood—Fine dark strain; distinct variety, smooth and handsome	10	20	60
Long Smooth Blood—A good late variety; dark red, tender and sweet	10	20	60
Swiss Chard or Silver—Cultivated for its leaves.....	10	25	75



MANGELS AND SUGAR BEETS

Mammoth Long Red.....	10	20	60
Golden Tankard.....	10	20	60
White Sugar.....	10	20	60

BEANS

	Qt.	Pk.	Bu.
Golden Wax—Best known Wax Bean, very early, fine podded, for those wanting a fire-class, round pod, wax bean.....	60	4 00	15 00
Golden-Eyed Wax—Very hardy and prolific, with flat, yellow pods..	60	4 00	15 00
German Black Wax—Has great merit, very tender and best quality...	60	4 00	15 00
Wardwell Kidney Wax—Extra early, long pods, flat and remarkably free from rust.....	60	4 00	15 00
Davis White Wax—Very productive, long pods, very handsome, rustless	60	4 00	15 00

GREEN POD DWARF BEANS

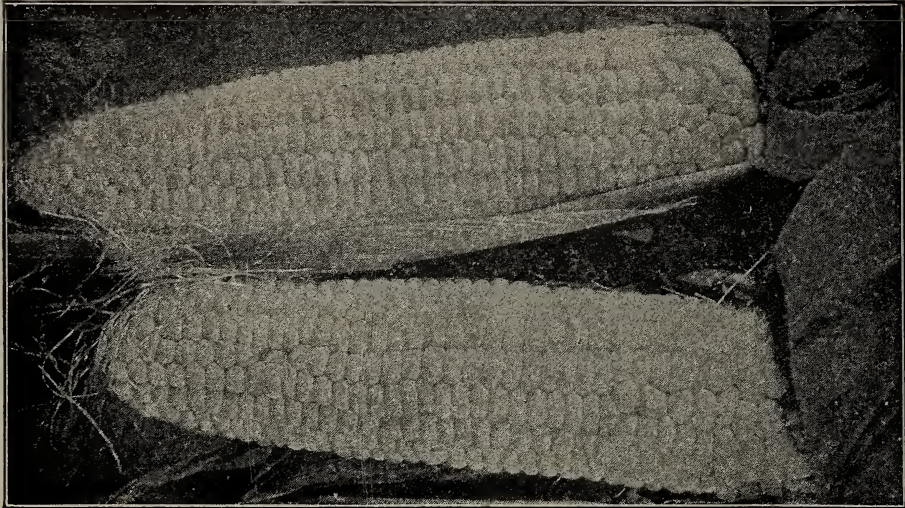
Early Mohawk—Long, flat and straight pods and very hardy.....	50	3 50	13 00
Long Yellow Six Weeks—Early, the leading market sort; full, flat, green pods	50	3 50	13 00
Refugee, or 1000 to 1—Medium to late, very productive and tender, round pods	50	3 50	13 00
Extra Early Red Valentine—Early strain of this popular round pod bean. Many prefer to Wax varieties.....	50	3 50	13 00
Burpee Stringless, Green Pod—Extra early and of very fine quality.....	65	4 00	15 00
Dwarf Horticultural—Late and productive; fine either shelled or green...	65	4 00	15 00

DWARF LIMA BEANS			
	Qt.	Pk.	Bu.
Burpee Bush Lima —A bush form of the large Pole Lima; very productive, and its dwarf character is well established	65	4 50	16 00
Henderson Bush Lima —Productive; a very early bean.....	65	4 50	16 00
Dreer's Bush —Immensely productive; may be used as a shell or snap bean.	65	4 50	16 00

POLE BEANS

Dutch Case Knife —Pods long, green and flat; can be either snapped or Shelled	60	4 00	15 00
Horticultural or Speckled Cranberry —Showy; excellent either as a snap or shell bean.....	60	4 00	15 00
Speckled, Cut Short or Corn Hill —Used for planting among corn; one of the best	60	4 00	15 00
Lazy Wife —Pod from 4 to 6 inches long, beans are white and make a fine shell bean; pods remain green and tender long.....	60	4 00	15 00
Scarlet Runner —A popular English pole bean, very ornamental	60	----	----
Large White Lima —Largely grown and highly esteemed	60	4 00	15 00

SWEET CORN



	Qt.	Pk.	Bu.
Golden Cream —Cross between Country Gentleman and Yellow Bantum, fine flavor.....	25	1 50	5 00
Golden Bantum —Very early, fine flavor; nothing better for family use.....	30	2 00	6 50
White Mexican —The finest early Sweet Corn known	25	1 75	6 00
Early Cory, Red Cob —Early variety, with good-sized ears and large grains; excellent for market.....	25	1 75	6 00
White Cob Cory —Resembles the ordinary Cory in size and earliness, but with white cobs; much better quality.....	25	1 75	6 00
Mammoth White Cory —Largest extra early corn known, fine quality, 12-rowed compact ears.....	25	1 75	6 00
Kendel's Early Giant —Early, yet the ears grow to a good size; has a white cob and pure white kernels, which are sweet and tender.....	25	1 75	6 00
Shaker Early —Very large, white grain, and quite early.....	25	1 75	6 00
Early Crosby —Matures after the Minnesota, fair-sized ears, of good quality	25	1 75	6 00
Minnesota —Nearly as early as Marblehead, dwarf growth; standard.....	25	1 75	6 00
Extra Early Adams —Not a sugar corn, but largely grown for early use... ..	25	1 75	6 00
Perry Hybred —Very early and of large size; most valuable for market... ..	25	1 75	6 00
Early Mammoth —Very large, and not very late	25	1 75	6 00
Black Mexican —Very sweet, and of superior flavor; grains black.....	25	1 75	6 00
County Gentleman —Improved strain, sweetest of all.....	25	1 75	6 00
Stowell's Evergreen —Remains a long time; one of the most popular varieties	25	1 50	5 00
Late Mammoth —The largest ears of all; rich, sweet and superior.....	25	1 75	6 00



CABBAGE

Copenhagen —A fine new early cabbage introduced from Denmark nearly as early as Wakefield—a much better shaped head—is one of the leading varieties	Oz. 50	¼-lb. 1 50	1 lb. 4 00
Early Jersey Wakefield —Well known and most valuable for early market	40	1 25	3 50
Early Spring —This is the earliest flat-headed variety	40	1 25	3 50
Charleston or Large Wakefield —About a week later than Jersey Wakefield	40	1 25	3 50
Henderson's Early Summer —A most popular and superior second-early sort	40	1 25	3 50
Early Flat Dutch	40	1 25	3 50
All Seasons Vandergaw —One of the finest; growing to a large size quickly	40	1 25	3 50
Sure Head —A superior sort; produces large and solid heads of fine quality	40	1 25	3 50
All Head —The very best second-early; fine flat heads; very hard; solid....	40	1 25	3 50
St. Louis Late Market —A very fine, late first cabbage; a very sure header; especially fine for Southern trade	40	1 25	3 50
Flat Dutch —We offer a remarkably fine strain, a sure, solid header	40	1 25	3 50
Drumhead —A standard winter cabbage for main crop	40	1 25	3 50
Danish Bald Head —Of the short-stemmed type; wonderfully solid, hard, crisp and tender.....	40	1 25	3 50
Early Dwarf Ulm Savoy	40	1 25	3 50
Perfection Savoy	50	1 50	4 00
Mammoth Rock Red —Very large, solid, red heads, the finest strain of reds	50	1 50	4 00

CELERY

White Plume —Naturally white or light foliage	Oz. 25	¼-lb. 75	----
Golden, Self-Blanching —A grand, solid variety	35	1 00	----

CELERIAC

Giant Prague —Extra large, smooth	25	75	----
--	----	----	------

CHICORY

Large Rooted or Coffee	15	40	----
-------------------------------------	----	----	------

CORN SALAD

Large Leaved	20	60	----
---------------------------	----	----	------

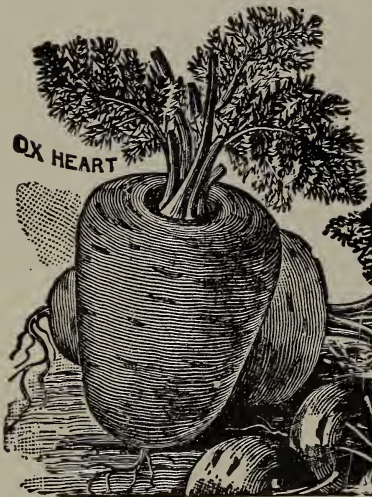
CRESS

Curled (Pepper Grass)	20	60	----
True Water	20	60	----



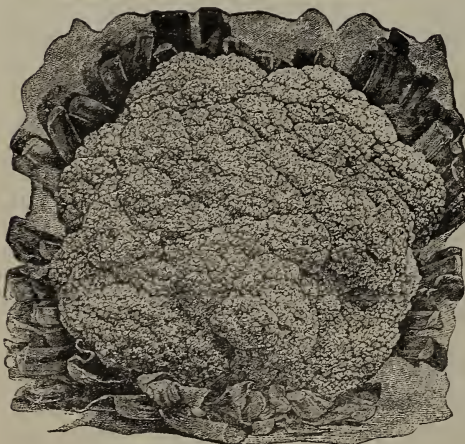
CUCUMBERS

	Oz.	¼-lb.	1 lb.
Early White Spine—A fine strain, very early and handsome	10	30	85
Evergreen White Spine—Retains its deep green color in all stages of growth	10	30	85
Arlington White Spine—Old standard for market and shipping	10	30	85
Early Green Cluster—Fruit small and in clusters, very prolific	10	30	85
Early Frame or Short Green—For slicing or pickling; productive and early	10	30	85
Green, Prolific Pickling—One of the best for pickling; dark green, very productive and of uniform size	10	30	85
Improved, Long Green—Jersey Pickle; dark green, crisp and productive..	10	35	1 00
Boston Pickling—Dark green, uniform small size, productive	10	30	85
Davis Perfect—An excellent cucumber for both out-door use and forcing. It is a carefully selected strain	10	30	85
Gherkin	10	35	1 00



CARROTS

	Oz.	¼-lb.	1 lb.
Early Round—Very early variety, small root; excellent flavor	10	25	75
Early Scarlet Horn..Short horn—old standard and favorite early sort . . .	10	25	75
Oxheart or Guerande—Early, short, thick, very smooth and handsome . . .	10	25	75
Chantenay—Stump-rooted; similar to the old French Nantes carrot	10	25	75
Improved Danvers—Top, small; color, rich orange	10	25	75
Long Orange—Improved, well-known standard sort	10	25	75
Large White—For cattle feeding; very productive and large	10	25	75



CAULIFLOWER

	¼-oz.	½-oz.	1-oz.
Danish Giant Dry Weather—Large leaved and large pure white compact heads; very resisting against dry weather, the foliage giving a protection	75	1 25	2 00
Extra Early Dwarf Erfurt—The very best and earliest for forcing under glass	90	1 50	2 50
Large Early Erfurt—Justly popular with market gardeners for late crop	90	1 50	2 50
Early Snowball—One of the best for forcing under glass or for open ground	90	1 50	2 50

EGG PLANT

	Oz.	¼-lb.	1 lb.
Improved New York Purple—The best large oval, deep purple; grown more extensively than any other variety	50	1 50	----
Black Beauty—Fruit broad and thick, rich, deep black, spineless; very early	50	1 50	----

ENDIVE

Green Curled Winter—Standard sort for Fall and Winter crop	15	40	----
White Curled	15	40	----
Broad Leaved—A sweet variety—Fall and Winter	15	40	----

HERBS

	Pkt.	Oz.	1 lb.
Caraway	05	20	----
Coriander	05	30	----
Dill	05	30	----
Lavender	05	40	----
Marjoram, Sweet	05	40	----
Sage	05	30	----
Savory, Summer	05	30	----
Sorrel, Broad-Leaved	05	40	----
Thyme, Sweet	05	40	----

KALE

	Oz.	¼-lb.	1 lb.
Dwarf German Greens—Very dwarf and spreading; best strain	20	60	2 00
Green Scotch—A taller growth of the above; late variety	20	60	2 00
Tall Scotch	20	60	2 00

KOHL RABI

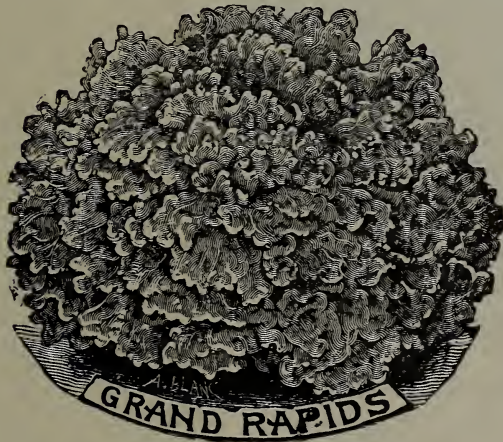
Early White Vienna—Handsome and delicate; white ball	30	75	2 50
--	----	----	------

LEEK

Best, Large Flag, Winter—Hardy and productive	30	75	2 50
---	----	----	------

LETTUCE

Grand Rapids Forcing— Large, tender, heads; one of the best for early forcing. California grown. The greenhouse man's favorite	10	30	90
Black-Seeded Simpson— A superior variety; large and of light color.....	10	25	85
Prize Head— Bright green, tinged with brownish red; tender, crisp.....	10	25	85
St. Louis, Black - Seeded Forcing	10	25	85
Mammoth, Black - Seeded, Butter Thorburn— A selected strain; large, solid, yellow heads. Favorite variety of New York market gardeners	10	30	90
Big Boston— A fine strain for forcing or open ground, very large, solid heads	10	25	85
Improved Hanson— Very large, solid, and of fine quality; withstands the hot sun	10	25	85
Brown, Dutch, Winter	10	25	85



MUSK MELON

	Oz.	¼-lb.	1 lb.
Banana—Cucumber shaped, highly perfumed	10	30	1 00
Bay View—Very prolific and of great size; oblong, green flesh.....	10	30	1 00

	Oz.	¼-lb.	1 lb.
Champion Market—Large, slightly elongated, netted, flesh lightly green; early	10	30	1 00
Emerald Gem—Small, extra early; dark skin, orange flesh	10	30	1 00
Early Jenny Lind—Small early, light green flesh; fine for early market	10	30	1 00
Early Hackensack—Ripens 10 days earlier than the Hackensack	10	30	1 00
Golden Netted Gem—Very early; is small and of fine flavor, green flesh	10	30	1 00
Burrell's Gem—A fine new, salmon-fleshed, good size; handsome and of fine flavor	10	30	1 00
Green Nutmeg—Named from its shape; green flesh. Good for main crop	10	30	1 00
Hackensack—Large, round, and of good quality; a popular variety—early	10	30	1 00
Montreal Market	10	30	1 00
Osage—Yellow flesh, light green netted skin; good quality—intermediate	10	30	1 00
Paul Rose—Flesh firm, rich orange color, covered with dense netting; not ribbed	10	30	1 00
Princess—Salmon flesh, very distinct; nearly round, dark, netted; sweet and luscious	10	30	1 00
Rocky Ford—Improved, netted gem, very sweet and of fine flavors; oblong	10	30	1 00
St. Louis Market	10	30	1 00
Tip Top—Melons are round in form, well ribbed, bright salmon color; of luscious melting character	10	30	1 00

WATER MELONS



Kleckley's Sweets—Exceedingly sweet and fine flavored; dark green skin, thin rind; flesh scarlet, solid and firm	10	20	60
Black Spanish—Large, roundish, dark red flesh, early	10	20	60
Cole's Early—Very early, very sweet; fine home melon	10	20	60
Cuban Queen—Solid and heavy; excellent quality	10	20	60
Dark Icing—Solid, with dark green thin skin, white seed; early	10	20	60
Florida Favorite—A superior strain; intermediate	10	20	60
Fordhook Early—An extra early, of extra fine flavor, and large size	10	20	60
Jones' Jumbo—Very large, fine green color; meat deep red	10	20	60
Kolb Gem—Large, bright red flesh of fine quality	10	20	60
Dixie—Excellent quality, very large and solid, flesh red; intermediate	10	20	60
Mountain Sweet—Red flesh; late	10	20	60
Tom Watson—Dark green skin; appearance same as Kleckley's Sweet	10	20	60
Peerless—Rind thin, flesh bright scarlet, very sweet; white seed	10	20	60
Phinney—Early and of fine quality, red flesh; intermediate	10	20	60
Southern Rattlesnake—Oblong, dark and striped; bright red flesh	10	20	60
Sweetheart—One of the best early; fruit large, flesh bright red, firm, melting and sweet	10	20	60
Citron	10	20	60

MUSTARD—FOR SOWING

White or London Yellow	10	20	50
Black	10	20	50

OKRA—GUMBO

Dwarf Green	10	30	75
-------------	----	----	----

ONION SETS

We grow our own onion sets and what we offer are the very best.

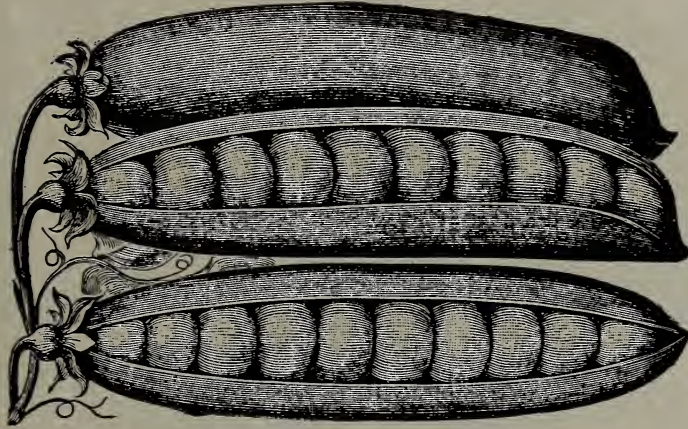
White	Prices on Application.
Red	Prices on Application.
Yellow	Prices on Application.

ONIONS



	Oz.	¼-lb.	1 lb.
Early Red Flat —Color of Wethersfield, early....	25	75	2 25
Large Red Wethersfield —Half early, and a good keeper; standard sort..	25	75	2 25
Large Red Globe —Southport strain, one of the best reds; good keeper	25	75	2 25
Globe Wethersfield —Beautiful Onion, fine keeper; fine for the market gardener	25	75	2 25
Australian Brown —A grand, new onion from Australia	20	65	2 00
Yellow, Flat Danvers —A standard sort; rather oval	20	65	2 00
Maul's Prizetaker —Very large, beautiful Onion; white flesh	25	75	2 50
Large, White Globe —Large, Southport strain	25	75	2 50
Large White Portugal —Standard sort, flat.....	25	75	2 50
New Queen —Very early; small, white sort—the best for pickling.—	30	1 00	3 00

Maul's Prizetaker—Very large, beautiful Onion; white flesh 25 75 2 50
 Large, White Globe—Large, Southport strain 25 75 2 50
 Large White Portugal—Standard sort, flat..... 25 75 2 50
 New Queen—Very early; small, white sort—the best for pickling.— 30 1 00 3 00



EXTRA EARLY PEAS

	Qt.	Pk.	Bu.
Extra Early —The popular, old and fine standard	55	3 50	13 00
Alaska —One of the earliest and most popular blue Peas	55	3 50	13 00
Gradus or Prosperity —Magnificent, new, large-podded sort	60	4 50	16 00
First and Best —Very early; popular for market and shipping.....	50	3 50	13 00

DWARF EARLY PEAS

Nott's Excelsior —An improvement on American Wonder	60	4 50	16 00
American Wonder —Well known, and very popular	60	4 50	16 00
McLean's Little Gem —Very prolific; a garden favorite	60	4 50	16 00
Extra Early Premium Gem —Long, well-filled, prolific pods	60	4 50	16 00

SECOND EARLY AND LATE PEAS

Improved Stratagem —Large, full pods; quality fine	60	4 50	16 00
Pride of the Market —Our greatly improved, uniform strain	60	4 50	16 00
McLean's Advance —Fine standard sort, of excellent quality	60	4 50	16 00
Ever-Bearing —Long pods and large peas; sow thin	60	4 50	16 00
Champion of England —A well-known, standard pea; sow thick	60	4 50	16 00
White Marrowfat —An old, standard sort; quality inferior, great yielder ..	55	4 25	15 00
Black-Eyed Marrowfat —The best Marrowfat.....	55	4 25	15 00

PARSLEY

	Oz.	¼-lb.	1 lb.
Champion, Moss Curled —Very pretty, and one of the best.....	10	30	1 00
Hamburg or Rooted —Edible roots.....	10	35	1 25

PARSNIPS

Hollow Crown —A market gardener's strain.....	10	20	60
Long, Smooth White —Long, white, smooth, no side roots; tender and excellently flavored	10	20	60

PEPPERS

	Oz.	¼-lb.	1 lb.
Ruby King—Beautiful, bright red, large fruit, mild; fine for pickles.....	50	1 50	----
Large Bell, or Bull Nose—Large and mild; excellent for pickling.....	50	1 50	----
Sweet Mountain—Large, regular, of mild flavor; one of best for pickling	50	1 50	----
Long, Red Cayenne—Bright red; very productive.....	50	1 50	----
Red Chili.....	50	1 50	----
New Chinese Giant—Very large.....	50	1 75	----

PUMPKINS

Tennessee Sweet Potato—Bell shaped; white flesh, very thick.....	10	25	75
Quaker Pie—Fine for pies, very prolific and a good keeper.....	10	25	75
Japanese Pie.....	10	25	75
Large Cheese—Flat; one of the best varieties for family use. Good keeper	10	25	75
Striped Cushaw—Medium size, crook neck; very productive	10	25	75
Mammoth—Grows to an enormous size; fine for exhibition.....	10	25	75
Connecticut Field—Very productive; grown largely for feeding stock....	10	25	75

RADISHES

The accompanying illustration shows our

**NEW IMPORTED
WHITE TIP RADISH
JOHNSON PERFECTION**

It is the most shapely and handsome, most solid, regularly and finely marked and in every respect the most perfect strain of White Tip Radish we have any knowledge of. It is very early, crisp and finely flavored, has no equal for forcing under glass or for outdoor culture. The most profitable for market gardeners and the most satisfactory for private use.



	Oz.	¼-lb.	1 lb.
--	-----	-------	-------

Price....	10	25	90
-----------	----	----	----

Turnip Early Scarlet—Very early. The French favorite.....	10	25	75
Non Plus Ultra—Extra early, scarlet, forcing.....	10	25	75
Rices Saxon—Earliest for forcing. Round, Bright Scarlet, and with smallest possible top	10	30	1 00
Early Scarlet, White Tip—Very early; for frames or out-doors.....	10	25	75
Scarlet Turnip, White Tip, Forcing—(Wilmer stock)	10	25	75
White, or Box—For forcing; flesh pure white and sweet.....	10	25	75
Early Yellow Turnip.....	10	25	75
Vicks Scarlet Globe—Fine for forcing.....	10	25	75
Half Long Deep Scarlet (Paris Beauty)—Flesh bright and crisp.....	10	25	75
French Breakfast—Earliest, most handsome; tender and crisp.....	10	25	75
Long Scarlet Short Top—Very long and crisp; for frames and open ground	10	25	75
Long, Brightest Scarlet—White tipped, very bright and beautiful.....	10	25	75
Wood's Frame—Long, red, crisp, and good forcer	10	25	75
White Icicle—Finest and longest of very early, pure white varieties.....	10	25	75
Lady Finger or Long, White Vienna—One of the best.....	10	25	75
Chartier—Large, long, Summer Radish; scarlet, with white tip.....	10	25	75
White Strassburg—The most popular and best, half-long Summer.....	10	25	75
White Stuttgart Summer—Very early and very large.....	10	25	75
Turnip, Yellow Summer—Dull yellow, fine flesh.....	10	25	75
Winter Rose China—Very handsome and distinct; keeps well.....	10	25	75
Winter, Round, Black Spanish—Fine for Winter	10	25	75
Winter, Long Black Spanish—The popular, Winter sort.....	10	25	75
Winter, California, White Mammoth—A very large, white, Winter variety	10	25	75

RUTABAGA

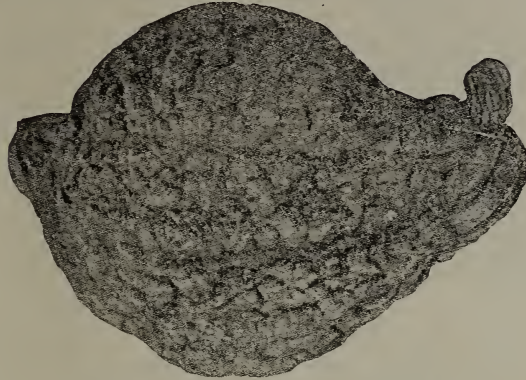
American Yellow, Purple Top	10	25	75
White, Purple Top	10	25	75

SALSIFY

Mammoth Sandwich Island—By far the largest and best for market or home	25	75	2 50
--	----	----	------

SPINACH

	Oz.	¼-lb.	1 lb.
Bloomsdale—Large, curled and wrinkled leaves; tender, and of finest flavor	10	15	35
Thick-Leaved—Has very large, thick, dark green leaves	10	15	35
Long-Standing—Dark green, leaves large and thick; very long-standing	10	15	35



True Warty Hubbard Squash

SQUASH

Early, White Scallop Bush—A good, early shipping variety, best scallop	10	25	75
Mammoth White Bush—Grows to twice the size of above	10	25	75
Yellow Bush, Summer Crookneck	10	25	75
Crookneck—Small, well-known, Winter sort; green skin	10	25	75
Warty Hubbard—More warty, harder shell, better keeper; true	10	25	75
Hubbard—Well-known and liked for late use; of superior quality	10	25	75
Golden Hubbard—A perfect type of its parent, with red skin	10	25	75
Mammoth Chili—Grows to an enormous size; rich, orange yellow	10	25	75

TOBACCO

Connecticut Seed Leaf	30	----	----
-----------------------	----	------	------



TOMATOES

June Pink—Tomato is a pink Earliana, ripening fully as early	25	85	3 00
Earliana—It is a full week ahead of all others	25	85	3 00
Bonny Best—Scarlet red color, very fine for slicing. One of the best early varieties	25	85	3 00
Matchless—Extra large, smooth and handsome; bright red, very solid	25	75	2 50
Ponderosa—The largest variety in cultivation	35	1 25	4 50
Stone—Very large, perfectly smooth, fine bright scarlet; best main crop	25	85	3 00
Acme—Bright pink, smooth; round, uniform size; productive and popular	25	85	3 00
Beauty—Large, smooth, pinkish red; thick flesh, regular form	25	85	3 00
John Bear—Early as Bonny Best. The fruit is very solid and is an excellent cropper	35	1 00	3 50
Dwarf Champion	25	85	3 00
Large, Round, Yellow	25	85	3 00
Dwarf Stone—Red, larger than champion; fruit similar to Fall Stone	25	85	3 00
Peach—Resembles a peach; for preserves, pickles and exhibition	30	----	----
Yellow Plum—Round and regular, bright yellow; used for pickles	30	----	----
Yellow Pear—Very handsome in form, and of a beautiful clear yellow color	30	----	----
Red Cherry—Fruit about an inch in diameter, in bunches; used for pickles	30	----	----
Yellow Cherry—Similar to preceding, save in color	30	----	----

TURNIPS



	Oz.	¼-lb.	1 lb.
Early Milan Purple—Earliest of all, with purple top.....	10	25	85
Early Dutch—Rather flat, good white; early sort.....	10	25	75
Red or Purple Top Strap Leaf—The popular flat, Fall sort....	10	25	75
Purple Top, White Globe—A standard sort; nothing better.....	10	25	75
Early White Egg—Very handsome, pure white; excellent for early or late.....	10	25	75
Cow Horn—Long, white; in shape resembling a cow's horn.....	10	25	75
Pomereanean, Large, White Globe—Useful for both table and stock; very large.....	10	25	75

Miscellaneous

- Bird Seed—Canary, Rape, Hemp, Etc.
- Seed Sweet Potatoes—Nansemond and Yellow Jersey.
- Seed Potatoes—Red River Valley, Ohios.
- Plants—Cabbage, Tomato, Sweet Potato and other vegetable plants in season.
- Onion Sets—White, Red, Yellow and Top Sets. Price on application.
- Rape—Dwarf Essex.

We have always on hand a full stock of Field Seeds.

Clover Seed—We are headquarters for Clover Alfalfa and all Field Seeds.

The Iowa Seed Law prohibits Iowa dealers from selling impure seed, but does not prevent dealers in other states from shipping in adulterated and poor seed. We have our seed tested; and when offering for sale, are sure it contains no forbidden seeds.



Broadcast Seeders

Tin Horn	\$0 75
Improved Cahon	3 50
Cyclone	1 75
Little Wonder	1 50
Double Fan	2 00

WARRANTY—While we exercise great care to have all Seeds pure, reliable and true to name; our Seeds are sold without any warranty, express or implied; and without any responsibility in respect to the crop. If our seeds are not accepted on these terms they must be returned at once. **Y. S. CO.**

Flowers and Bulbs

- CANNAS**—Handsome plants for centers of large beds or for border, stately, ornamental plants, producing clusters of large flowers of the most intense, varied and brilliant colors. 10c, 3 for 25c; 85c dozen.
- CASTOR BEAN**—Tall, majestic plant for lawns; glossy green leaves; grows from six to fifteen feet high. Seed, 10c per oz.
- CALADIUM**—A fine tropical plant that can be grown in the open air in the North.

GERANIUMS AND POTTED PLANTS—We have a large assortment of seasonable potted plants of all kinds to be used for decoration purposes. 10c to 25c each.

Summer Flowering Bulbs

- GLADIOLUS**—No flower has gained more in public favor than this. They thrive in almost any good soil. Plant the bulbs six to nine inches apart, and from two to four inches deep. 40c dozen.
- DAHLIA**—The flowers are symmetrical and large, and varied range of colors. 10c to 20c each.

TUBEROSE—The flowers of this popular plant are waxy-white, double and exceedingly fragrant. 30c per dozen.

A good way to grow Tuberoses is to fill five or six-inch pots half full of well rotten cow manure, and the remainder with good, rich, sandy soil. Plant the bulbs in this in April, water moderately and keep in warm, light place. When the weather has become warm, plunge the pots in the earth out of doors.

MADEIRA VINE—Tuberous-rooted climber, with glossy, green leaves, and delightfully fragrant, white blossoms. It is of rapid growth; and from a few tubers, vines will cover the side of a cottage in a single season. 5c to 15c each.

TULIP—Producing such a variety of bright colors almost as soon as the snow is gone. 40c per dozen.

NARCISSUS—Single and double. 40c per dozen.

HYACINTHS—\$1.00 per dozen.

SNOWDROPS—20c per dozen.

CROCUS, ETC.—20c per dozen.

THE Agricultural Societies and Experiment Stations of the United States are giving the subject of Spraying Fruit Trees and Plants much attention. It has been conceded by the best authorities that spraying is absolutely necessary on all fruits and plants to obtain the best results.

We handle a full line of Sprayers of the best makes for Trees, Vines and Greenhouses; materials to spray with: Bordeaux Mixture, Tobacco Extract, Etc. **THE PERFECTION SPRAYER**

At the right is shown a cut of the new cylinder type of Sprayer that has recently been added to our line. In bringing out this Sprayer and offering it to the trade, we do it with a full knowledge of the many difficulties to be overcome in building a Sprayer of this type. First, in this is the question of strength and durability combined with ease of operation, range and character of work necessary in a Sprayer that can be sold at a moderate price. A poor Sprayer is dear at any price; a good one is cheap.

This Sprayer will handle whitewash, water, paints, Bordeaux mixtures, etc. perfectly. Made of galvanized steel or brass. Weighs 9 1/2 lbs. Tested 50 lbs.



Spray It-Whitewash It
... USE A ...
"PERFECTION" SPRAYER



with the famous automatic shut-off nozzle.

Saves three times the labor of any other Sprayer used for disinfectants, whitewash, etc.

Its all in the automatic nozzle.

Insist on a "PERFECTION"

Its the strongest and most powerful compressed air Sprayer made.

Brandt Manufacturing Co.
MINNEAPOLIS . . . MINNESOTA

The Standard Spray Pump

THE IDEAL SPRAYING OUTFIT



Its plan of operation is slightly different from other type of spraying apparatus since the hose is used on the suction end instead of the discharge end. This makes it possible to use the pump with a bucket, barrel, tank or knapsack, depending upon the number of trees or the kind of spraying to be done.

The best and most powerful piece of low-priced spraying apparatus on the market today. Made entirely of brass, with two solid brass ball valves.

- No Leather Suckers or Washers,**
- No Castings to Rust,**
- No Leaking Joints,**
- No Lost Motion,**
- Nothing to Get Out of Order.**



This outfit has been designed to fill the requirements of the small Orchardist, Gardener and Fruit Grower—those who need something larger than our No. 2 and No. 3 Knapsack Sprayers, but who do not want anything as large as the barrel and power outfits. It is light, compact and easy to operate. Holds 15 gallons. It has the largest air chamber of any spray pump of its size, thus enabling operator to keep a uniform pressure at nozzle.

PRICE LIST OF SPRAYERS

Perfection Spraying Outfit, each	brass, \$8.50; galvanized,.....	\$6 50
Standard Spray Pump, each	.....	5 50
Ideal Spraying Outfit, each	.....	25 00

Slug Shot

Sure Death to Potato Bugs, Cabbage Worms, Melon Bugs, Currant Worms, Etc.



This preparation, though poisonous to insects, does not injure the foliage. It is used by dusting, in water or by spraying.

- 5-lb. package..... 50c
- 10-lb. package..... 95c

Bug Death

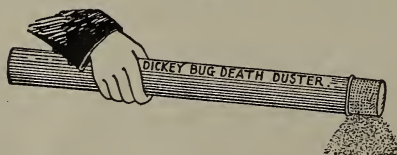
Is the one preparation you can offer to your customers that is admittedly non-poisonous. It kills without injuring or destroying the most delicate of plant, vine or leaf. Does away with "Beware-poison" signs all over the premises, because it contains no Paris green or other arsenical poisons.



"Bug Death" is ideal for use on potato, squash, cucumber, currant, gooseberry and tomato plants, rose bushes and vines; for house plants and "that little vegetable garden," it is unexcelled.

- 1-pound package, 24 in case, per pkg... \$0 25
- 3-pound package, 12 in case, per pkg... 45
- 5-pound package, 6 in case, per pkg... 65
- 12 1/2-pound package, 4 in case, per pkg 1 25
- 100-pound kegs, per keg 9 00

The Dickey Bug Death Duster



Retailing at 50c, is recommended by us as the most effective and economical method of distributing "Bug Death" dry. It is provided with a scoop, attached to the perforated thimble, for filling. No waste; no inconvenience.

Dickey Bug Death Dusters, each.....50c

Inoculate Your Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches and all other legume crops with

MULFORD CULTURES FOR LEGUMES

Small Cost
Easy to Use

Large Returns
No Labor Expense



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

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

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

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

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



This drawing, made from an actual photograph, shows inoculated Vetch compared with an uninoculated specimen.

Mulford Cultures are prepared for

ALFALFA, CRIMSON CLOVER, SWEET CLOVER, RED CLOVER, ALSIKE CLOVER, BURR CLOVER, COW PEAS, SOY BEANS, PEANUTS, VETCH, VELVET BEANS, SWEET PEAS, GARDEN PEAS, GARDEN BEANS, LIMA BEANS, LESPEDEZA, BEGGAR WEED and others.

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

- PRICES: 5-Acre Size, \$5.00 (A Dollar per Acre)
- 1-Acre Size \$1.50
- 1-4 Acre Size50
- Small Size (Supplied only in four varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas)25

These prices include delivery on freight shipments.

FREE DESCRIPTIVE FOLDER SENT UPON REQUEST

BUCKEYE BROODERS

THE STANDARD COLONY BROODER

The Standard Colony Brooder will successfully brood 100 chicks or 1000. It is the simplest, safest and most economical brooder on the market. It cuts the cost of labor in half and reduces cost of operation. A poultryman can now handle 1,000 chicks with about the same amount of work that he formerly took to raise 100.

BURNS ANY KIND OF FUEL

The Standard Colony will burn any kind of fuel—hard or soft coal, coke, charcoal, briquettes or gas. It is self-regulating. You simply have to adjust the regulator at the beginning of the brooding season, and then forget about it. It is self-feeding. You fill the stove once a day and then no further attention is required, as the fuel automatically feeds the fire until it is entirely burned out. It is guaranteed to burn more than 24 hours in any kind of weather.

SIMPLE TO OPERATE

No previous experience is necessary to operate a Standard Colony Brooder. The whole apparatus has but one adjusting nut, and it is only necessary to touch that once a season. Only attention required is to fill stove once a day.

CAN BE OPERATED ANYWHERE

No room is too large or too small for a Standard Colony Brooder. It can be operated in any room that is large enough to accommodate the hover and give room to move around. Can be handled with equal success in the largest barn or in the smallest colony house.

ABSOLUTELY FIRE PROOF

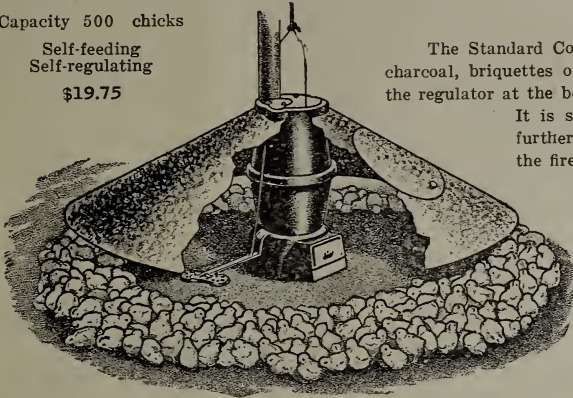
It is guaranteed to be fire proof and will not increase the cost of insurance. It is just as safe as any stove that burns coal or gas and cannot by any possibility set anything on fire.

Standard Colony
Brooder No. 18

Capacity 500 chicks

Self-feeding
Self-regulating

\$19.75



GUARANTEE

The Standard Colony Brooder is guaranteed to do everything that any brooder on the market will do—and do it better—no matter what the other brooder costs.

THE SECURITY PORTABLE BROODER

This brooder is all that the name implies—and more. It is the only lamp heated brooder ever invented that possesses every desirable qualification for the welfare of the little chicks. It is the only oil-burning brooder that provides every ideal condition which you know to be necessary to the health and growth of the chicks, and its construction is so simple that the operator cannot go wrong. There is nothing to adjust, nothing to get out of order, nothing to look after but the lamp—and that requires filling but once in 24 hours. Capacity 150 chicks, \$-----

ABUNDANCE OF FRESH AIR AND HEAT

The Security Brooder furnishes an abundance of fresh air and heat at all times. Every particle of heat coming from the high power lamp is utilized to heat the interior of the brooder. The Security construction insures the highest degrees of efficiency and we guarantee the satisfactory operation of every brooder in any inside temperature down to freezing. The lamp is protected from the chicks by a galvanized wire guard extending from the floor to the overhead canopy. This keeps the lamp perfectly clean at all times and guards against interference from the chicks.

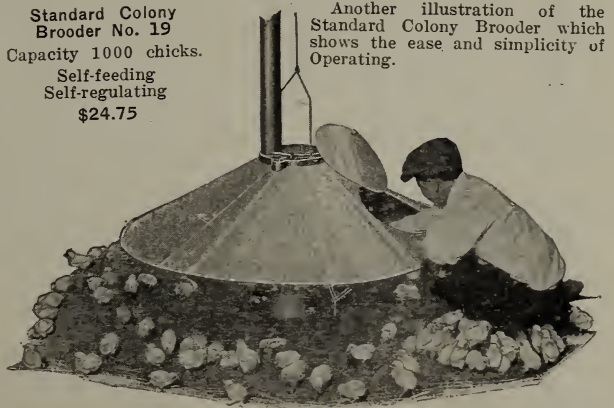


In Three Sizes

60 Chick ----- \$10.50
100 Chick --- \$13.00 150 Chick --- \$17.00

Standard Colony
Brooder No. 19
Capacity 1000 chicks.

Self-feeding
Self-regulating
\$24.75



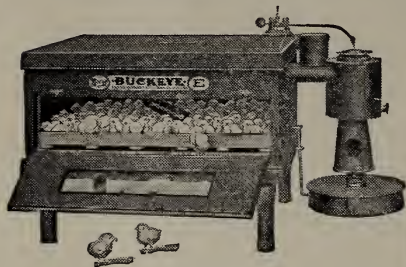
Another illustration of the Standard Colony Brooder which shows the ease and simplicity of Operating.

CAN BE USED ANYWHERE

The Portable Brooder can be used anywhere—in the house, barn or out of doors. Easy to handle and easy to operate. No crowding of chicks, as there is always an abundance of heat no matter what the temperature outside may be. The Buckeye Portable Brooder is guaranteed to operate successfully in any temperature down to freezing.

Buckeye Incubators

Are Guaranteed to Hatch MORE Chicks and BETTER Chicks Than Any Other Incubator



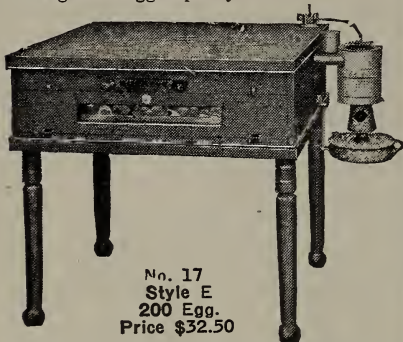
No. 14
Style E

Weight, crated for shipment, 55 lbs.
Capacity, 60 eggs. Price----\$15.00

No. 14 is especially adapted for use by the small raiser. It has all the important features of the larger machines, such as visible thermometer, and the Buckeye heating and ventilating system. The temperature is easily regulated and the consumption of oil is low.

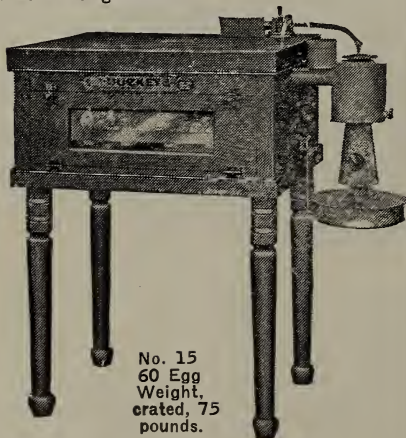
No. 16, Style E. Capacity, 110 eggs; weight, crated for shipment, 85 pounds. Price \$23.50. This machine is the same as No. 14, except that it has a greater egg capacity and long legs instead of short ones.

No. 17, Style E. Capacity, 200 eggs. Weight, crated for shipment, 125 pounds. Price \$32.50. Same as No. 16, except that it has greater egg capacity.



No. 17
Style E
200 Egg.
Price \$32.50

All Style E incubators have single walls and are equipped with galvanized armco and rust-resisting heaters.



No. 15
60 Egg
Weight,
crated, 75
pounds.

Price, \$-----

No. 15, Style H. Capacity, 60 eggs. Weight, crated for shipment, 75 pounds. This is a wonderful little hatcher and was designed for the raiser who wants the best,

even in a small machine. The walls are all double and the equipment is the same as the larger machines. This incubator has long legs, which makes it more convenient to operate. It is a self-regulating in every sense, never fails, and is efficient and economical.

WHY THE BUCKEYE SUCCEEDS

The unprecedented success which has followed the Buckeye for twenty-five years is primarily due to the invention of the Buckeye hot-water system. Without this wonderful system of hot-water heating, that perfect balance between the temperature, moisture and ventilation, which is so necessary to successful incubation, would be a physical impossibility. The ability to heat the egg chamber without cooking all the moisture out of the air is not only responsible for the abundant supply of natural moisture, but at the same time the soft radiated heat from the hot-water tank provides an absolutely uniform temperature, and permits the perfect ventilation of the egg chamber at the same time.

Without this system of hot-water heating, it would be necessary to heat the egg chamber with currents of hot air, and it is now an established fact that the temperature and ventilation of incubator cannot be successfully balanced where hot air currents are used.

Too much emphasis cannot be attached to the importance of keeping impure gases and fumes out of an incubator. Instead of passing the hot air fumes through the incubator, with a likelihood of leakage in the conductor at any time, we heat the hot water on the outside—send it circulating around the egg chamber—and keep all the fumes from the lamp on the outside. It takes but a very small portion of lamp fumes to kill the developing chicks, and by circulating hot water through the egg chamber instead of hot air, we entirely eliminate all possibility of damage to the eggs.

BUCKEYE GUARANTEE

This Buckeye Incubator is guaranteed to hatch every hatchable egg, and we further guarantee the perfect working of all its mechanical parts. Should the incubator fail to fulfill our guarantee in any particular, it may be returned to us at our expense (via freight) any time within 40 days after its receipt, and we will send the purchaser a new incubator in exchange.

HATCH MORE AND STRONGER CHICKS

The Buckeye will hatch more chicks and stronger chicks than any other make of incubator. It requires no

artificial moisture; will operate satisfactorily in any climate, and requires no attention to the regulator from the time a hatch is started until it is finished. The entire Buckeye system is so simple that a boy or girl can operate it as satisfactorily as an experienced operator.

BUCKEYE STANDARD INCUBATORS

The Buckeye Standard is an improved Buckeye. It is fire-proof and fool-proof. It is equipped with every desirable device that could possibly add to the efficiency of an incubator. The Standard Buckeye is fire-proof, and therefore insurable. Each machine is inspected by the National Board of Insurance Writers before it is put on the market.



No. 1
Standard
110 Egg.
Price \$34.00

No. 1 Standard has a capacity of 110 hen eggs, or 85 duck eggs. It is complete in every detail and is ready for immediate use. The weight, crated for shipment, is 100 pounds. This incubator is insurable and bears the Underwriters' label. An improved feature of all Standard incubators is the enclosed lamp. Equipped with oil or gas heater.

No. 2 Standard has a capacity of 175 hen eggs or 140 duck eggs, is equipped with oil or gas heater, and is complete and ready for use. Weight, crated for shipment, 135 pounds. This machine is insurable and bears the Underwriters' label. Price, \$39.50.

No. 3 Standard has a capacity of 250 hen eggs or 200 duck eggs, is equipped with oil or gas heater and is complete and ready for use. Weight, crated for shipment, 200 pounds. This machine is insurable and bears the Underwriters' label. Price, \$49.50.



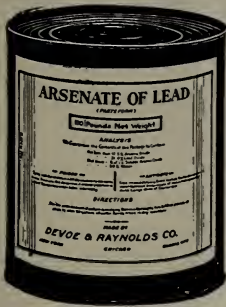
No. 3
Standard
250 Eggs
Price \$49.50

No. 4 Standard has a capacity of 350 hen eggs or 280 duck eggs. Equipped with oil or gas heater and is ready for use. Weight, crated for shipment, 230 pounds. Insurable, and bears Underwriters' label. This machine is very convenient for the commercial raiser. Price, \$58.50.

INSURE YOUR GARDEN AND ORCHARD AGAINST BUGS

Devoe ARSENATE OF LEAD FORM PULP

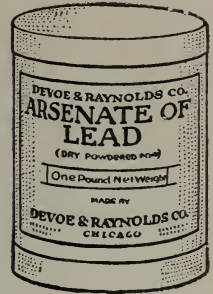
Paste Arsenate of Lead is better than government requirements in the matter of percentage of Arsenic Oxide. An effective insecticide chiefly for many of the Bugs, Worms and Moth that fruit growers have to contend with. It comes in paste form and can be easily mixed with water. It forms a milky film when sprayed on foliage which does not readily wash off with rain. Good for potatoes and tobacco and all kinds of fruit trees.



- 1 lb. Cans ----- \$0.45
- 2 lb. Cans ----- .80
- 5 lb. Cans ----- 1.75

Devoe ARSENATE OF LEAD Dry Powdered Form

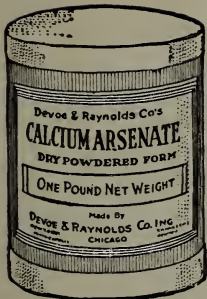
The Perfect Insecticide. An effective insecticide for leaf-eating insects and particularly suitable for very tender foliage. Due to the light, fluffy character of this material and its adhesive qualities it insures quick and effective control. Under favorable conditions will not injure the foliage. Can be used on Apple, Pear, Peach, and Plum trees, Potatoes, Corn and Vegetables of all kinds that may be attacked by leaf-eating insects.



- 1/2 lb. Cartons ----- \$0.40
- 1 lb. Cartons ----- .75
- 5 lb. Cartons ----- 3.00

Devoe CALCIUM ARSENATE Dry Powdered Form

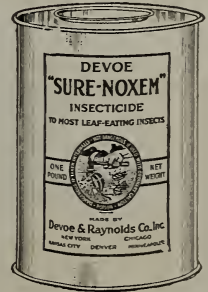
For the Control of Potato Bugs. Calcium Arsenate is a lighter, more fluffy powder than Arsenate of Lead or Paris Green—more bulky. When used dry, will dust more plants per pound, and when mixed with water will stay in suspension better and give you better and more uniform distribution. Lead Oxide in Arsenate of Lead has no insecticide or fungicide value; but Calcium Arsenate is made on a lime base which has fungicide value. Lime adheres perfectly to foliage; will not wash off easily and is white. For protection against the potato beetle, cabbage and tobacco worms.



- 1 lb. Cartons ----- \$0.60

Devoe "SURE NOXEM" Dry Powdered Form INSECTICIDE—TO MOST LEAF-EATING INSECTS

One of the best vegetable insecticides in use. Specially recommended for destroying worms and insects.




WHAT TO USE IT ON

Cabbage, Cauliflower, Tomato Plants, Cucumber Vines, Melon Vines, Currant Bushes, Gooseberry Bushes, Vegetables and Flowers of all kinds attacked by Leaf-eating Insects.

- 1 lb. Sifter Top Cartons ----- \$0.20

DEVOE & RAYNOLDS CO.

ESTABLISHED  IN 1754

MAKERS OF WARRANTED PERFECTLY PURE
PARIS GREEN

NEW YORK CHICAGO

DEVOE—The strongest and brightest Paris Green on the market.

FOR THE CONVENIENCE OF THE CONSUMER, WE PUT PARIS GREEN IN

- 1/4 lb. Cartons—Ask for Prices
- 1 lb. Cartons—Ask for Prices
- 1/2 lb. Cartons—Ask for Prices
- 5 lb. Cans—Ask for Prices

LIME and SULPHUR SOLUTION

GUARANTEED TO TEST 33 DEGREE BEAUME A FERTILIZER, A SHEEP DIP, A FUNGICIDE. It is generally conceded that the best defense against SAN JOSE SCALE and kindred enemies of the orchard, is in spraying with a solution of Lime and Sulphur. The experimental stations and leading orchardists now generally recommend its use. To meet the growing demand for this remedy, we are supplying the trade with Devote Lime and Sulphur Solution. The two are perfectly combined, thus securing the largest percentage possible of Sulphide of Sulphur, the only form of sulphur of value as a spray. It is clear, free from insoluble matter, highly condensed and of great strength.

- 1/4 Gallon Cans—Ask for Prices
- 1 Gallon Cans—Ask for Prices
- 5 Gallon Kits—Ask for Prices

Devoe BORDEAUX MIXTURE Dry Powdered Form FUNGICIDE ANALYSIS

- Combined Copper ----- 11.0%
- Equivalent to Metallic Copper or Copper Oxide, 14.0%
- Inert Ingredients ----- 89.0%

DIRECTIONS FOR USE

To Control Scale and Blight.—For all Fungous diseases. The best Fungicide for curing or preventing Bloch, Rot, Mildew, Blight, Leaf Burl, Scab or other Fungous Diseases on fruit and plants, if used dry.

For potatoes, dust without reduction, 4 to 5 pounds per acre (according to size of vines).

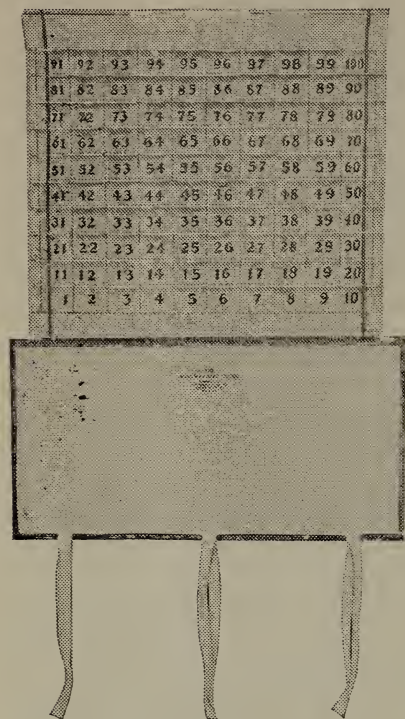
For Fruit Trees, dust after reducing one pound of DRY BORDEAUX with 20 lbs. of lime dust.

For Spray:—To make the equivalent of 4-4-50 mixture, use eight pounds of DRY BORDEAUX MIXTURE to 50 gallons of water. For 5-5-50 mixture, use 10 pounds to fifty gallons of water.

- 1 lb. Cartons ----- \$0.35
- 5 lb. Cartons ----- 1.50



SURE WAY SEED TESTER



Above Cut Shows Tester Unrolled
Ready to Fill



This Cut Shows Tester Filled and
Rolled Up. Size only 22x3 in.

PRICE, \$1.25 EACH

Consists of a pocket compartment formed of special material containing 100 pockets, each 2 inches by 1½ inch, and numbered from 1 to 100. At one end is formed an oil-cloth cover which retains the moisture when the Tester is filled and rolled up for a test.

Testing seed corn with a Sure-Way Tester is a very simple and easy matter, and can be done at any time during the winter or spring months, regardless of zero weather, and at a time when other farm work is slack. Five or six grains are removed from each ear to be tested and placed in a pocket, the ears are numbered to correspond to the pockets by numbers furnished with the Tester. After the Tester is filled it is saturated with water by pouring water into the end, after which it is hung up on the wall near the stove. No further attention being required until grains sprout, which will be in two to four days, according to the vitality of the seed and heat of the room. The Tester can then be filled for the next test. Complete instructions furnished with each Tester.

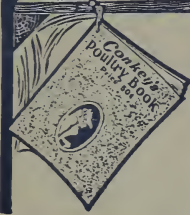
The Sure-Way Tester is far superior to all other methods of testing seed corn, and various other seeds, because it is always ready for use. Requires no sand or sawdust. It is easy to fill. Each seed has the same conditions under which to germinate. Being hung up on the wall, it is entirely out of the way, and gets the full benefit of the warm air in the room, making germination very rapid. Perfect tests can be made in two to four days, regardless of zero weather. Grains cannot fall out of the pockets or get mixed up. Grains can be inspected at any time by taking the Tester down and unrolling it on a table.

The United States Mail (Parcel Post) will bring our seeds to your door.

MAKING OUT ORDERS.—We always make it a point to give orders our **immediate attention** as soon as received, a fact well known and appreciated by the thousands of customers deriving their supplies from us direct. The prompt execution of orders will be greatly facilitated if our customers will be careful to write on their order their **Full Name** and **Address**, the **Quality**, **Name of Variety** and **Price** of the seeds wanted. (See Order Sheet enclosed.)

TERMS CASH WITH ORDER.—Seeds sent to amount of remittance only; when prices fluctuate and postage or cost of bags is not provided for in remittance as required, orders will be modified accordingly, and customers can reorder the deficiency, as no accounts will be opened for small sums or balances resulting from short remittance. We guarantee to fill your order satisfactorily. In case of an error it will be cheerfully corrected.

REMITTANCE may be made in cash, by Express or Registered Mail, by Draft, or by Postal Money Order. Sums of fifty cents or less, in cash or stamps, may be sent by ordinary Mail at our risk. Postage stamps for any sum will be accepted where facilities for transmitting money by the above modes do not exist, but letters containing same should be registered.



**Have a Conkey Corner
in Your Poultry House**

Don't
Worry!
Conkey
Will Cure
Me



Healthy Poultry Pays



Only vigorous healthy birds can produce profits. If disease enters your flock, act quickly with reliable remedies. Better still, prevent disease before it starts. We recommend Conkey's Poultry Remedies because they are absolutely dependable. Conkey's must satisfy you or we'll refund your money quick. Send 4c stamps for valuable book on making poultry pay. Check full of valuable poultry facts.

CONKEY'S ROUP REMEDY.—Roup is perhaps the most common contagious disease of the poultry yard. Once started, it is likely to affect most of your birds. It is a disease that is easily detected through its peculiar, disagreeable symptoms. As soon as cold, damp weather starts, colds appear and these are likely to develop into roup, with fatal results.

Keep the disease out. Put a measureful of Conkey's Roup Remedy in the drinking water and the birds will drink and doctor themselves, the remedy thus going to the affected part of the system, while those birds not affected will be strengthening their systems so as to withstand the germs of roup. Conkey's Roup Remedy is an effective aid for preventing roup as well as a good means for saving fowls already affected. Always have a package on hand, especially during cold, rainy weather. Package 30c, 60c, \$1.20, 5 lb. can \$7.25.

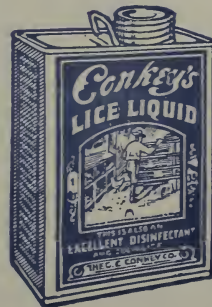
CONKEY'S LICE FIX.—An ointment for fighting body lice that is going to be one of the most used in the whole Conkey line. It's no trouble at all to use it. No dust, no bother. Easily and quickly applied to grown birds. An application once a month keeps birds free from lice. Once used, you'll never be without it. 30c, 60c.

CONKEY'S LICE POWDER.—Your hens can't do their best if body lice are constantly tormenting them. Energy that should go toward egg laying is spent in fighting these pests. Lice infested birds are not profit makers and a good poultryman will not have lice-ridden fowls. Dust every hen every ten days with Conkey's Lice Powder and you will keep them free from vitality sucking lice. Packages 15c, 30c, 60c. Pails—12 lbs. \$1.60; 25 lbs. \$3.00.

CONKEY'S HEAD LICE OINTMENT.—For the murderous head lice that kill thousands of little chicks every year. Head lice are big fellows that bore right through the chick's skull. A dab of Conkey's Head Lice Ointment gets them quick. 15c, 30c.

CONKEY'S LICE LIQUID.—A very strong, effective insecticide, prepared especially for bloodsucking mites. Mix with water and spray over every part of the poultry house. 1-qt. 60c, 2-qts. 90c, 1-gal. \$1.50, 5-gal. \$7.00.

CONKEY'S ROUP PILLS.—Are intended for the individual treatment of roup birds and have been known to put birds that were almost gone, back on their feet. The pills are highly recommended for show room use. Packages 30c, 60c.





CONKEY'S CANKER SPECIAL.—Here is a remedy for a poultry affection that is a source of considerable trouble, once it starts. Conkey's Canker Special is excellent for the treatment of cankerous growths and helps to get the bird back to normal in a short time. The Canker Special is highly recommended for colds, too. Bottle, 60c.

CONKEY'S CHOLERA REMEDY—in the drinking water quickly reaches the trouble. Cools the inflamed membranes and has a caustic effect on diarrhetic conditions. Invaluable for treating so-called Cholera, Indigestion, Bowel Trouble, Diarrhoea and all kindred troubles. Packages 30c, 60c.

CONKEY'S WHITE DIARRHEA REMEDY.—Will help save your chicks from this fatal, contagious chick disease. Once started, white diarrhea often sweeps away the whole hatch. Conkey's prevents its spread and saves affected chicks. Treat promptly. 30c, 60c.

CONKEY'S GAPE REMEDY.—Gape worms will choke chicks to death. Conkey's Gape Remedy helps rid the chick of these parasites, without hurting the chick. Don't kill the chick with a wire, feather or horse-hair worm extractor. Use Conkey's Gape Remedy. Packages 30c, 60c.

CONKEY'S SOREHEAD REMEDY.—For treating Sorehead, Pigeon Pox, Warts, Pian and the dangerous, contagious Chickenpox. 30c, 60c.

CONKEY'S POULTRY WORM REMEDY.—Rids the birds of many troublesome worms, thus promoting the return to a healthy condition. Give it to the fowls in their feed. Packages 30c, 60c.

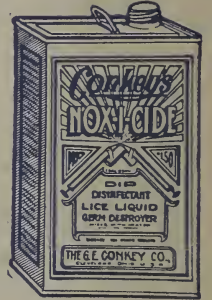
CONKEY'S BLACK HEAD REMEDY.—Breeders of turkeys should always have a package ready for instant use, for dread Blackhead is very hard to cure in an advanced stage. When treated early, the disease is relieved by this very effective remedy. Blackhead comes in late summer and fall. Conkey's is guaranteed. Package 60c.

CONKEY'S NOX-I-CIDE.—The germicide, dip and disinfectant with a hundred uses about the home, poultry yard and on the farm. Germs cause and spread most poultry diseases. Nox-i-cide mixes with water and makes a cheap, effective, ready-to-use germ destroyer. Cleans and purifies coops, houses, runs, brooders, founts and utensils. A reliable disinfectant for barns and outhouses. Unequalled for household use or for the sick room. 1-pt. 50c, 1-qt. 75c. 2-qts. \$1.25, 1-gal. \$2.00, 5-gal. \$9.50, 10-gal. \$18.50.

STOCK TONIC—A wonderful Tonic for all livestock.

FLY KNOCKER.—A spray for cattle and stables to keep annoying flies away.

COW SPECIAL.—A remarkable conditioner for dairy cows.



THE ABOVE PRICES SHOULD PREVAIL. CONTINUED RISING MARKETS, HOWEVER, MAKE IT IMPOSSIBLE TO GUARANTEE THEM.

CONKEY'S Buttermilk Laying Mash

This article is prepared especially as an all year round Mash, for Laying purposes, and is especially good as a developer to follow Conkey's Buttermilk Starting Feed.

We cannot recommend it too highly. There has been a real need for an honest Mash, something which is free from mill ends and offal, and that will take the young pullet and carry it thru to successful maturity.

WHAT IT IS

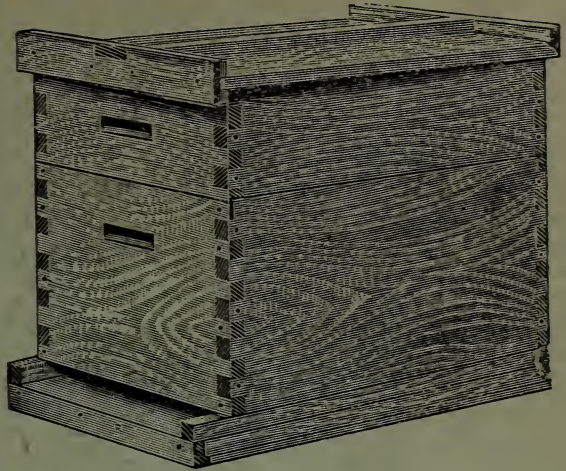
Corn Meal, Corn Feed Meal, Entire Ground Oats, Entire Ground Barley, Wheat Bran, Wheat Middlings, Oil Meal, Meat Meal, Bone Meal, and Buttermilk.

HOW IT ANALYZES

Protein	18%
Fat	4%
Fibre.....	6%

Note the small Fibre percentage.

THE DOVETAILED HIVE



No. 40 Dov. Hive—8-frame, 1½ story, with 24 sections, 4¼x4¼x1½, and sheets of foundation for starters for sections:

1 No. 40 Hive—Nailed and painted.....	\$ 6.20
1 No. 40 Hive—Nailed, not painted.....	5.40
1 No. 40 Hive—In flat	4.15
5 No. 40 Hives—In flat	18.40
10 No. 40 Hives—In flat	36.00

No. 40-E Dov. Hive—8-frame, 1½ story, without sections and starters:

1 No. 40-E Hive—Nailed and painted..	\$ 5.70
1 No. 40-E Hive—Nailed, not painted...	5.80
1 No. 40-E Hive—In flat	4.80
5 No. 40-E Hives—In flat	16.90
10 No. 40-E Hives—In flat	33.00

No. 41 Dov. Hive—10-frame, 1½ story, with 28 sections, 4¼x4¼x1½, and sheets of foundation for starters for sections:

1 No. 41 Hive—Nailed and painted.....	\$ 6.50
1 No. 41 Hive—Nailed, not painted.....	6.10
1 No. 41 Hive—In flat	4.50
5 No. 41 Hives—In flat	19.50
10 No. 41 Hives—In flat	33.50

No. 41-E Dov. Hive—10-frame, 1½ story, without sections and starters:

1 No. 41-E Hive—Nailed and painted...	\$ 6.00
1 No. 41-E Hive—Nailed, not painted...	5.60
1 No. 41-E Hive—In flat	4.00
5 No. 41-E Hives—In flat	17.85
10 No. 41-E Hives—In flat	35.00

PRICE LIST OF SECTIONS.

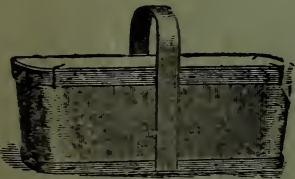
Catalog Number	Size	Shape	No. 1 GRADE			
			100	250	500	1000
217	4¼x4¼x1½	Scolloped,	\$1.10	\$2.50	\$4.80	\$9.60
218	4¼x4¼x1½	Plain,	1.10	2.50	4.65	9.30
219	4 x5 x1½	Plain,	1.10	2.50	4.65	9.30
220	4¼x4¼x7-a-ft.	Scolloped,	1.10	2.50	4.80	9.60
No. 2 or B Grade—						
217B	4¼x4¼x1½	Scolloped,	1.00	2.40	4.55	9.20
218B	4¼x4¼x1½	Plain,	1.00	2.40	4.40	8.80
219B	4 x5 x1½	Plain,	1.00	2.40	4.40	8.80
220B	4¼x4¼x7-a-ft.	Scolloped,	1.00	2.40	4.55	9.20

BEE SMOKERS.



Junior Smoker	\$0.80
Standard Smoker	1.20
Jumbo Smoker	1.50

BASKETS



No. 1 Diamond Markets	
Drop Handle Markets	
One-third Bushel Markets	
One Bushel Elm Stave Baskets	
One Bushel Elm Stave, wide band	
One and One-half Bushel Baskets	
One Bushel Basket Covers	Price
One and One-half Bushel Covers	on
Apple Barrels	Applica-
Apple Boxes, pannel end, each	tion
Western Apple Box, each	
Crate Nails, per lb.	
1½ oz. Tacks for Berry Boxes, per lb.	
Magnetic Tack Hammer, each	

COMB FOUNDATION

	Per lb.	5 lbs.
Medium Brood	\$0.88	\$4.25
Light Brood .....	.90	4.35
Thin Super .....	.94	4.55
Extra Thin .....	.97	4.70

BERRY BOXES

Price on Application.

Leslie quart Boxes, per 1000	
Leslie pint Boxes, per 1000	
Leslie 24-quart Crates, per 100	
Leslie 24-pint Crates, per 100	

"Adjusto" Plant Support

Patent Applied For



There have been many plant supports offered and sold but they were all ungainly and unsatisfactory in a great many ways. We can offer the "Adjusto" under a positive guard ante that it will please you and give you entire satisfaction. The "Adjusto" is a very simple, unbreakable, practical and cheap support which will last a life time.

Generally Retail for

3 ft. - 15c each - \$1.75 per dozen
4 ft. - 18c " - 2.00 " "
5 ft. - 20c " - 2.25 " "

Small sizes same as above, 18 and 24 inches, suitable for small potted plants, carnations, etc.

Generally Retail for

18 in. - 8c each - \$.85 per dozen
24 in. - 10c " - 1.00 " "

BLATCHFORD'S CALF MEAL



"Good to the last drop"

Sold in 100, 50 and 25-pound bags

The Complete Milk-Equal

is in reality a substitute for milk—and should not be considered as an ordinary "feed" or "meal."

It contains all the elements of milk—a "baby food" for calves.

It is absolutely the *only* milk-substitute that contains in proper proportion the elements necessary for rapid and healthy growth, and the only calf meal that is thoroughly cooked and prepared for easy digestion.

100 pounds makes 100 gallons of Complete Milk-Equal

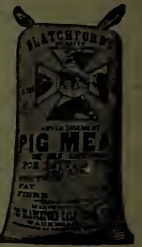
FROM SOW TO PASTURE

Wean your little pigs easily, safely and cheaply on

BLATCHFORD'S PIG MEAL

From Pignood to Porkage it gives big bone and solid flesh. Prevents loss of growth and vitality during the critical weaning period, and always **MAKES THE RUNTS CATCH UP.**

Sold in 100, 50 and 25-pound bags



BLATCHFORD'S MILK MASH

It should be every chick's first feed! Prevents bowel trouble, leg weakness and white diarrhea. It carries them safely through the dangerous first three months. Raises 95% of every hatch! Five pounds per chick will do it.

STARTS—GROWS—MATURES—FATTENS

Sold in 100 and 25-pound bags and in 4-pound trial cartons



2 1/4 pounds at 8 weeks!

Blatchford's "Fill-the-Basket" Egg Mash

fed to your pullets when three months old, will make early layers and keep them in perfect health. Does not force or fatten. Feed it to all your hens.



Make your egg profits sure



Sold in 100 and 25-pound bags

Blatchford's "Bar-Nun" Laying Mash

meets the widespread demand of poultrymen for a low-priced laying mash of highest quality and analysis. Guaranteed free from cheap by-products or refuse from the manufacture of breakfast or cereal foods or scratch-feed rations.



Sold only in 100-pound bags