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U.S. Department of Agriculture

F. H. Ebeling ESTABLISHED 1868 Seeds

**EVERYTHING FOR THE FARM, GARDEN AND LAWN
POULTRY AND BIRD SUPPLIES, DOG FOODS**



1868

SYRACUSE, N. Y.

1929

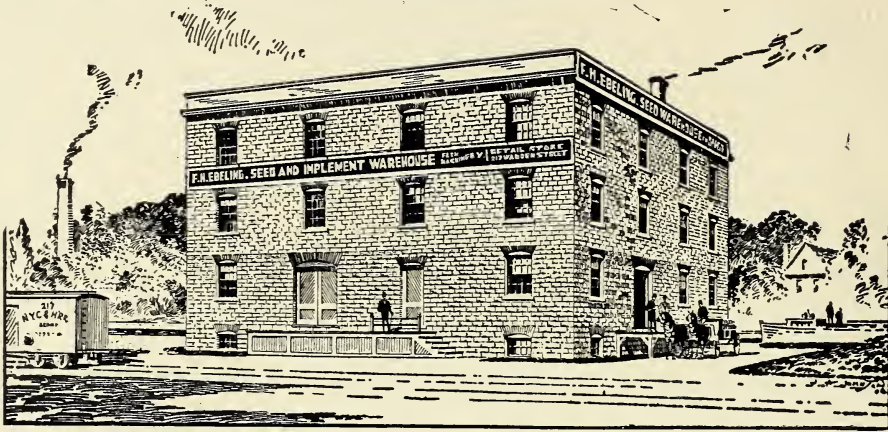
EBELING'S SEED BOOK FOR 1929

1868-1929—Sixty-first Annual Edition

It has always been our aim to supply only the best grade of seeds obtainable and by a strict adherence to the principle of giving our customers the very best value for their money, has enabled us to largely increase our business from a very small beginning sixty-one years ago. This store still remains in the same building in which it started, and is one of the best equipped Seed, Hardware and Implement Stores in Central New York.

Our Pet Department is very attractive and interesting. We are organized and prepared to give you better service than ever in the sixty-one years of business.

Many of our customers have been on our mailing list for more than half a century, and we will spare no effort to care for every order given us in such a manner that will merit the continued confidence of the purchaser.



Branch Store and Warehouse, 538-540 Canal Street and 805-807 Erie Boulevard, Corner Howard Street
Retail Store, 217 South Warren Street, Syracuse, N. Y.

TO OUR CUSTOMERS AND FRIENDS:

Our Warehouse is located on three streets, Canal Street on the North, Howard Street on the West and the **New Erie Boulevard** on the South. This affords free and safe parking for our customers, away from the confusion and congestion of down town traffic.

We offer special prices on Seeds, Tools, Machinery &c., purchased at our Warehouse Branch Store for the season of 1929. You can trade there with comfort, safety and profit. Our Warehouse overhead is light and we give you the benefit of our reduced prices.

USEFUL TABLES

Of Plants per Acre at the following distances apart			
½ ft. by 1 ft.	43,560	6 ft. by 6 ft.	1,210
½ " 1 ½ ft.	19,360	8 " 8 ft.	680
" 1 ft. 2 ft.	21,780	9 " 9 ft.	537
" 2 ft. 2 ft.	10,898	10 " 10 ft.	435
" 2 ½ ft. 2 ½ ft.	6,969	12 " 12 ft.	302
" 1 ft. 2 ft.	14,520	15 " 15 ft.	193
" 2 ft. 2 ft.	7,260	18 " 18 ft.	134
" 3 ft. 2 ft.	4,840	20 " 20 ft.	103
" 4 ft. 2 ft.	2,722	25 " 25 ft.	70
" 5 ft. 2 ft.	1,742	30 " 30 ft.	48

Number of Plants Produced from 1 oz. of Seed			
	Plants	Plants	
Asparagus	about 500	Kale	about 2,000
Broccoli	" 2,000	Leek	" 1,000
Cabbage	" 3,000	Lettuce	" 3,000
Cauliflower	" 4,000	Pepper	" 2,000
Celery	" 4,000	Sage	" 1,000
Egg Plant	" 1,000	Tomato	" 3,000
Endive	" 3,000	Thyme	" 5,000

SEED SOWN PER ACRE

Seed Sown per Acre	Weight per bu.
Alfalfa, or Lucerne 20 to 30 lbs.	60 lbs.
Barley, 1 ½ to 2 bu.	48 lbs.
Beans, Field, ½ to ½ bu.	60 lbs.
Beans, Green Soy, ¾ bu.	60 lbs.
Beet, 4 to 6 lbs.	14 lbs.
Blue Grass, 2 bu.	14 lbs.
Bromus Inermis, 20 lbs.	14 lbs.
Buckwheat, 1 to 1 ½ bu.	48 to 50 lbs.
Cabbage, ¼ lb.	20 lbs.
Carrot, 2 ½ to 3 lbs.	60 lbs.
Clover, Alsike, 5 to 10 lbs.	60 lbs.
Clover, Crimson, 15 lbs.	60 lbs.
Clover, Red, 10 to 15 lbs.	60 lbs.
Clover, Sweet, 25 lbs. Melilotus Alba.	60 lbs.
Clover, White, 10 to 12 lbs.	60 lbs.
Corn, Ensilage, ¼ to ½ bu.	56 lbs.
Corn, Field, ¼ bu.	56 to 60 lbs.
Corn, Sweet, ½ bu.	about 45 lbs.
Cucumber, 1 lb.	27 to 30 lbs.
Lawn Seed, 1 lb. to 250 sq. ft.	22 lbs.
Meadow Fescue, 2 bu.	7 lbs.
Meadow Foxtail, 3 bu.	18 lbs.
Meadow Grass, Rough Stalk, 35 lbs.	56 lbs.
Flax Seed, ½ to ¾ bu.	

Seed Sown per Acre	Weight per bu.
Millet, ½ to ¾ bu.	50 lbs.
Millet, Hungarian, ½ to ¾ bu.	48 lbs.
Millet, Japanese, ½ bu.	32 lbs.
Oats, 2 to 3 bu.	32 lbs.
Onion, 5 to 6 lbs.	56 lbs.
Orchard Grass, 2 bu.	14 lbs.
Peas, Field, 2 ½ bu.	60 lbs.
Peas, Cow, ½ bu.	about 50 lbs.
Peas, Wrinkled	about 50 lbs.
Potatoes, 6 to 8 bu.	60 lbs.
Pumpkin Seed, 4 qts.	27 lbs.
Rape, Dwarf Essex, 4 to 6 lbs.	60 lbs.
Red Top, Re-cleaned, 15 lbs.	30 lbs.
Rye, 1 to 2 bu., Winter and Spring	56 lbs.
Sorghum, 1 ½ to 2 bu.	56 lbs.
Spinach, 8 to 10 lbs. Squash, 2 ½ lbs.	
Sweet Vernal, 1 to 1 ½ bu.	11 lbs.
Timothy, ¼ to ½ bu.	45 lbs.
Turnip, 1 lb.	60 lbs.
Vetch, Hairy, drilled (plus 1 bu. small grain) 25 lbs.	60 lbs.
Vetch, Hairy, broadcast (plus 1 bu. small grain) 25 lbs.	60 lbs.
Vetch, Spring (plus 1 bu. small grain) 25 lbs.	60 lbs.
Wheat, 2 bu. Winter and Spring	60 lbs.

Non-Warranty

Sometimes, though not often, our seeds do not come up after planting. This may be due to one or more of several reasons, such as covering too deeply or not deeply enough, too much or too little water, too cold weather or a baking sun which forms a crust, too hard for the tender shoots to penetrate. Sometimes insects destroy plants at the surface, before they are seen by the gardener. We cannot personally direct the use of our goods after they leave our

hands; neither can we fully control anywhere or at any time the operation of natural law as it affects seeds; therefore, we give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds or bulbs we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.
F. H. EBELING

Ebeling's Evergreen Lawn Grass Seed

Our special brands of Lawn Grass Seeds are noted for their adaptability to various situations and soil conditions, and are now used in every section of the country for making private lawns, and also on the grounds of many leading Country Clubs, Athletic Clubs, Schools, and Institutions, etc. These mixtures have long enjoyed an enviable reputation for their general excellence, and

it will always be our aim to maintain their high quality by the use of only the finest re-cleaned Grass Seeds, as free from all impurities as the most modern machinery can make them.

Quantity of Lawn Grass Seed to Sow. One pound is sufficient for 200 square feet; 150 pounds for an acre, or for renovating an old lawn use one-half these quantities.



Lawn of H. W. Chapin, 973 James Street, Grown from Our Seed

HOW TO MAKE A LAWN

Have soil thoroughly spaded up, enriched with sheep fertilizers or ground bone, level and roll it well to make compact. Select a still day for seeding; sow one-half of the seed from north to south and half from east to west, rake it over and roll again. When grass comes up re-seed the bare spots. Mow grass when 2 inches high, and as necessary thereafter. Don't rake up short clippings, as they make a good mulch. Always thoroughly soak a lawn whenever required, but never sprinkle lightly.

Quantities to Use

For 200 sq. ft.....	1 lb.
For 1000 sq. ft.....	15 lbs.
For 2000 sq. ft.....	10 lbs.
For one acre	150 lbs.

For old lawns about half the above is sufficient.

EBELING'S EVERGREEN LAWN GRASS

This is by far the best mixture of grasses offered for the purpose of quickly producing a permanent lawn. It is prepared from our own formula, and is a careful blending of varieties adapted to producing the thick growth and velvety appearance so much sought after. Each variety of grass in its composition is there for a special purpose; some for making strong fibrous roots, which take hold upon the soil and keep the turf in place, others of a creeping nature quickly fill up any bare spots which may be caused by the taller sorts dying down; varieties which are useful for their color value, and also kinds that are able to withstand the beating down of excessive rains.

Whether you want to seed a small grass plot in your yard, or a lawn of more pretentious size you should use this grass mixture. For the convenience of customers, we put this seed up in various sized packages, from the single lb., which is sufficient to cover 100 square feet of ground, to such quantities as are required for seeding large lawns where six bushels of seed to the acre are required. **Per lb., 40c; 100 lbs., \$35.00.**

EBELING'S SHADY PLACE GRASS

It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade, and as it blends well with our regular Lawn Grass Mixture, it may be used on those portions of the lawn which are shaded by trees, buildings, etc. **1b. 50c; 10 lbs. \$4.50.**

GOLF LINKS MIXTURE

Made from our own formula with the object of producing a turf which will stand rough usage. For Tennis Courts, Cricket Tables, Golf Links, Polo Grounds, this seed will give perfect satisfaction. **Per lb., 40c; bushel (20 lbs.), \$7.00.**

TERRACE GRASS

Ordinary lawn grass will not hold the soil on terraces and embankments, which require a thick turf, composed of varieties which make strong roots to take hold of the soil and prevent washing by heavy rains. Our Terrace Grass is a carefully selected combination of such grasses as will make a quick growth and form a strong mat and present a good appearance. It is best to enrich the soil, to give a vigorous start to their growth. **Per lb., 50c; bushel (20 lbs.) \$12.00.**

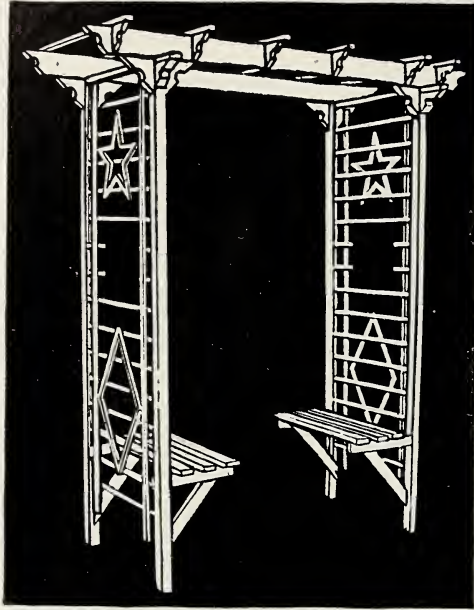
PUTTING GREEN MIXTURE

A careful study of the requirements for making the most substantial turf for Putting Greens developed the mixture herewith offered by us for this purpose. The varieties comprising it are all of the finest-bladed, uniform, low growing and most hardy kinds, which maintain their rich, green color throughout the season. We also recommend it for terraces, embankments, and steep slopes. **Per lb., 70c; bushel (25 lbs.), \$16.00.**

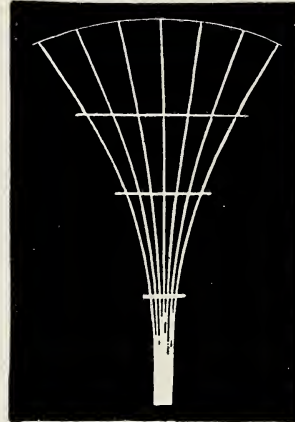
WHITE DUTCH CLOVER SEED

Excellent for use on lawns; forms a close herbage and remains green throughout the season. We furnish the choicest grade of seed. **Lb., 60c; 10 lbs., \$5.00.**

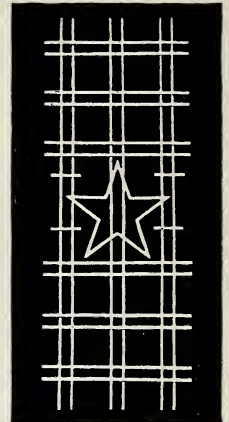
GARDEN FURNITURE, ARBORS, TRELLISES, ETC.



No. 78—Beverly Pergaly, \$16.50



Fan Trellis
all sizes and prices

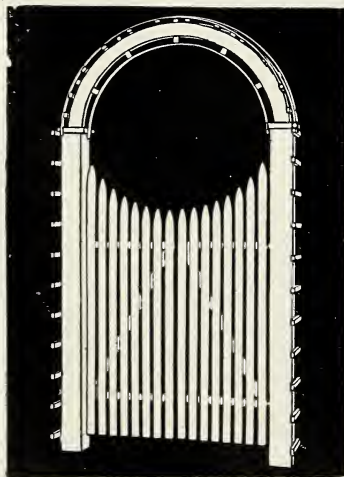


No. 58
Star Trellis, \$2.75

Price List

Beverly Pergola with seat, No. 78.....	\$16.50
Hollywood Pergola, No. 66.....	12.60
Dreamland Gateway, No. 132, complete.....	18.00
Dreamland Gateway, No. 132, less gates.....	14.50
Garden Archway, No. 122.....	13.25
Garden Archway, No. 122, less gates.....	10.70
Flower Box, No. 200.....	1.80
Flower Box, No. 201.....	3.00
Flower Box, No. 202.....	3.00

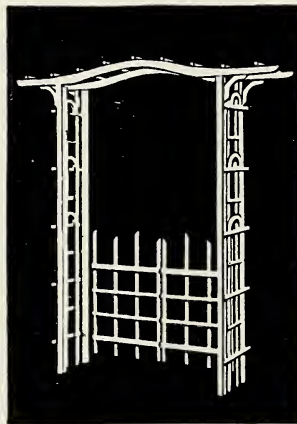
Rose Ladder Trellis, No. 105.....	\$2.30
Double Triangle Trellis, No. 52.....	2.00
Fan Trellis, No. 6.....	1.40
Fan Trellis, No. 8.....	1.70
Adjustable Trellis, No. 35.....	1.55
Roseland Trellis, No. 48.....	3.40
Diamond Trellis, No. 53.....	2.00
Diamond Trellis, No. 159, 10 ft.....	3.85
Star Trellis, No. 58.....	2.75
Wildwood Trellis, No. 108.....	2.80
Craftsman Trellis, No. 28.....	4.50
Utility Trellis, No. 29.....	5.60
Double Circle Trellis, No. 20.....	3.10
Paramount Trellis, No. 16.....	2.30
Adjustable Trellis, No. 47.....	2.10
Adjustable Trellis, No. 71.....	3.25
Sweet Pea Trellis, No. 61.....	1.35
Bungalow Panel Trellis, No. 100.....	3.00
Fan Trellises in all sizes and price, from 2 to 10 ft.	
White Picket Fence (per ft.).....	.15
Snow Fencing (in 50 ft. rolls, per ft.).....	.15



Dreamland Gateway, No. 132

A very pleasing design with double gates. A lovely entrance to a flower garden, lawn, etc. When covered with flowering vines it truly presents a wonderfully attractive appearance. Height 8 ft., width 41 inches.

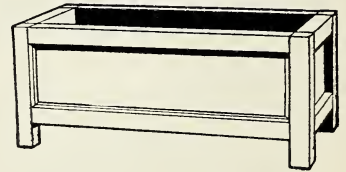
Price complete.....\$18.00
Without gate..... 14.50



Garden Archway, No. 122

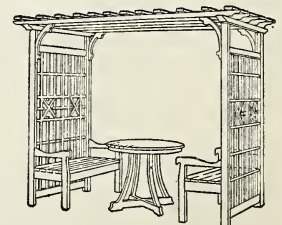
Especially designed for a garden archway. Strongly built and very attractive in appearance. Covered with roses and flowering vines it forms a most charming entrance to any garden. Height 7 ft., width 4 ft.

Complete with gates.....\$13.25
Without gates..... 10.70



Flower Box, No. 201

For porches, windows, etc. Length 27 inches, width 13 inches height 11 inches. Painted green or white.....\$3.00 each



Arbor Pergola with Table
Price \$75.00

Add to the charm of the garden with lasting ornaments



Bird Bath, No. 1 . . \$9.50

Height, 23 inches; diameter of bowl, 17 inches.

Bird Bath, No. 2 . \$12.00

Height, 26 inches; diameter of bowl, 23 inches.



Sun Dial, No. 1 . . \$ 8.00

Height, 27 inches; diameter of dial, 12 inches.

Sun Dial, No. 2 . \$10.00

Height, 31 inches; diameter of dial, 12 inches.



Flower Urn, No. 1 \$15.00

Height, 27 inches; diameter of bowl, 21 inches.

Flower Urn, No. 2 \$17.00

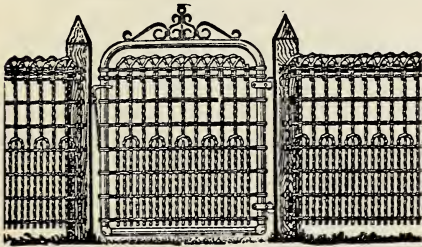
Height, 32 inches; diameter of bowl, 21 inches.



Bird Bath with Figure and Extension

Price, **\$25.00** complete as shown above. (Less figure and base, **\$15.00.**)

This can be used as a fountain by having it piped if desired. This is one of the most attractive pieces of Garden Ornaments we have. Landscape Gardeners and Home Lovers are cordially invited to call and look over our line of garden furniture and lawn ornaments.



Ornamental Lawn Fence Gates, Trellis Flower Guards

Style 600 Fabric

Specifications

Upright or picket wires are No. 9 heavily galvanized, spaced 3 inches apart at top, with an additional No. 9 galvanized picket interwoven so as to give an extra close spacing of 1 3/8 inch at the bottom.

Cable line wires are No. 12, spaced 6 inches apart except the two top cables, which are spaced 2 3/8 inches apart.

Height of Fabric	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"
Number of cables	5	6	7	8	9	10	11	12	13	14	15
Price per lineal foot	13c	14c	15c	17c	19c	21c	25c	28c	30c	37c	44c

The extra pickets at bottom of fabric engage the lower cables as follows: 24" and 30" three lower cables; 36" and 42" four cables; 48" and 54" five cables; 60" and 66" six cables; 72" and 78" seven cables; 84" eight cables. Put up in 20, 25 and 30-foot rolls.

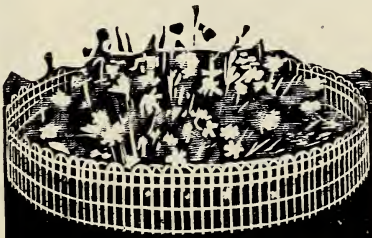
Style No. 150—Flower Bed Border

Designed for the protection of flowers. Uprights made of No. 9 heavily galvanized wire. Illustration shows Norwood 22-inch border.

List Price Per Lineal Foot

16-inch	\$.10
22-inch . . . . .	.11
28-inch . . . . .	.13

Put up in 165, 250 and 330 foot rolls.



Norwood Trellis

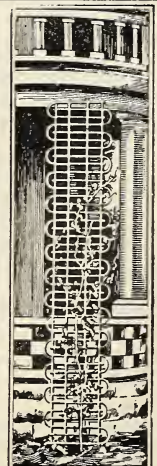
The two designs of Trellis herein illustrated are made of large, heavily galvanized wire.

Norwood Trellis is but a trifle higher in price than poultry netting, is more ornamental and will last for years.

List Price Per Lineal Foot

No. 107, 18 inches wide	\$.07
No. 107, 24 inches wide . . . . .	.09
No. 107, 30 inches wide . . . . .	.11

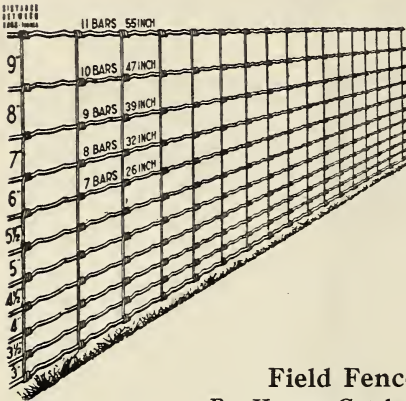
GIVE US A CALL AND BE A SATISFIED CUSTOMER



Zinc Insulated

Trade Mark

AMERICAN FENCE



Zinc Insulated American Fence is the highest quality fence made. Its wires are insulated with a heavy uniform coating of zinc which makes it proof against all weather conditions. When you buy American Fence, you pay just what you would for ordinary fence but you easily get twice the value for your money.

A Wonderful Fence

There's no better fencing made for hogs, cattle, poultry or rabbits. It makes an ideal garden fencing. It's strong, thoroughly practical and more durable than netting. The light specifications are strong enough to turn stock.

This fencing comes in 6 to 21 bars, in 6 and 12-inch stays, 24 to 58 inches high.

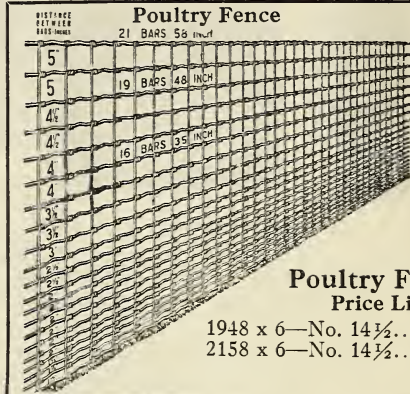
Field Fence
For Horses, Cattle, Sheep and Hogs

Field Fencing

We carry a complete stock of following styles as listed below.

Styles not listed furnished on short notice. Owing to market changes we will be pleased to quote on application.

No. of Wires	Inches High	Stay	Wire
8	32	6-inch	No. 11
9	39	6-inch	No. 11
10	47	6-inch	No. 11
6	35	12-inch	No. 11
8	45	12-inch	No. 11

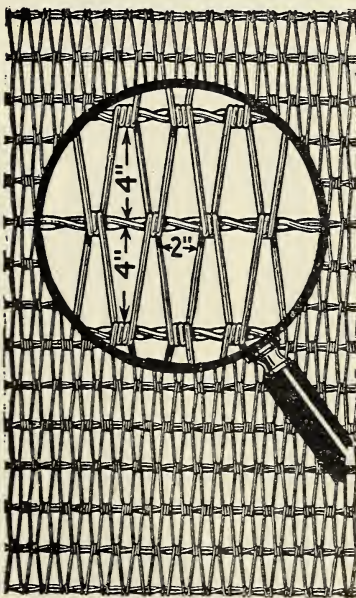


Poultry Fence Price List

1948 x 6—No. 14 1/2.... \$.70 per rod
2158 x 6—No. 14 1/2.... .75 per rod

The Lott Fence Stretcher is the only tool necessary for putting up the American Field and Hog Fencing. Every farmer should own this Stretcher. Price \$9.00

Diamond Lawn Fence

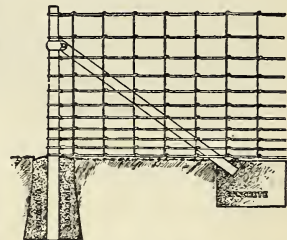
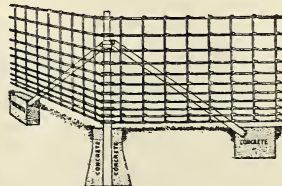


DIAMOND LAWN FENCE

	Light per ft.	Heavy per ft.
58-inch	\$.15	\$.18
50-inch	.13	.16
42-inch	.11	.14
34-inch	.09	.12

Steel Fence Posts

These posts will make the strongest foundation for your fence. Banner Line Posts and American End and Corner Posts.



End Post

Corner Post

LINE POSTS, 5 feet	.....
LINE POSTS, 6 feet	.....
LINE POSTS, 6 1/2 ft. post	.....
LINE POSTS, 7 feet	.....
LINE POSTS, 8 feet	.....
LINE POSTS, 9 feet	.....
CORNER POSTS, 8 feet	.....
END POSTS, 8 feet	.....

Prices on application.

We carry a complete stock of BANNER PAINTED POSTS and GALVANIZED TUBULAR POSTS.

Prices on application

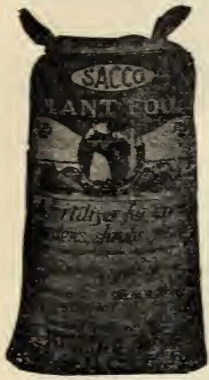
12-ft. American Gates, 50-inch, plain top	.....
14-ft. American Gates, 50-inch	.....
3-ft. American Walk Gates, 42-inch, plain top	.....
4-ft. American Gates, 42-inch, plain top	.....
Lott Fence Stretcher	..... \$9.00

Can't-Sag Farm Gate

Price—12-ft. \$8.00; 14-ft. gate \$8.50; steel metal parts for "Can't-Sag Gate" \$4.00.



Banner



AMOUNT TO APPLY

For every 100 square feet (10 x 10 ft. area) use only from 2 to 4 lbs. of Sacco for best results. Simple directions on each package. Sacco is clean and without offensive odor.

1-lb.....	\$.25	25-lb.....	\$1.75
5-lb.....	.50	50-lb.....	3.00
10-lb.....	.85	100-lb.....	5.00

SACCO

Makes Things Grow

Sacco is the finest of fertilizers—a soil rectifier and growth producer for Lawns, Gardens, Shrubs, Flowers, Trees, Potted Plants and Vegetables. It's a well-balanced preparation containing all the feeding elements essential to the perfect growth and development of all plants.

ONE APPLICATION PRODUCES AMAZING RESULTS

A single Sacco application makes grass and vegetables grow vigorously and makes flowers and shrubbery beautiful with bloom and foliage. This plant food gives

quick results, is easy to apply and is very economical. 10 lbs. is sufficient for lawn 20 x 25 feet. 25 lbs. covers 40 x 30 feet. See full directions.

SACCO IS RECOMMENDED BY HIGHEST AUTHORITIES

Sacco is recommended by highest authorities and thousands of satisfied users, for the lawns, golf courses, gardens, hot-houses and commercial growers. Sacco has proved its unquestionable superiority.

A booklet of Detailed Instructions is contained in each package.

For Lawns



**WIZARD
TRADE BRAND MARK
PULVERIZED
Sheep Manure**

**The World-Wide Famous
Lawn and Garden Fertilizer
Makes Plants Grow to Perfection**

One Bag Equals a Whole Wagon Load of Stable Manure

Flowers



Everybody can get results with Wizard because it supplies the soil with the necessary plant food and humus to make it rich and fertile. All plants require food and a rich mellow soil to develop their real beauty. So if you want a beautiful lawn and garden be sure to enrich your soil with Wizard Sheep Manure.

Wizard is a concentrated, weedless sheep manure that puts new life into wornout soils. It is economical—ONE BAG EQUALS A WHOLE WAGONLOAD OF STABLE MANURE. It is far superior to chemical stimulants because it has a lasting beneficial effect on your soil.

Vegetables



Lawns. Make an application of Wizard early in Spring if you want a thick, velvety green turf of lasting beauty. On new lawns broadcast 10 lbs. to 100 sq. ft. and rake into the surface soil. To put new beauty into old lawns 6 to 10 lbs. per 100 sq. ft. will be sufficient.

Flower Gardens. Luxuriant green foliage and vivid colored flowers are the result of using Wizard. Broadcast 10 lbs. to 100 sq. ft. of garden soil. Mix a handful with the soil under each new plant—more for vines, shrubs and trees. Light applications during the growing season will prolong blooming.

Vegetables and Fruit. Every practical gardener knows that there is nothing better than manure to grow big profitable crops. Wizard produces big crops of crisp, tender vegetables. Fruit crops respond quickly and show improved yield, color and flavor. Use 1000 to 1500 lbs. per acre.

Field Crops

ASK FOR FREE BOOKLET

Prices—5 lbs. 25c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00

ONE BAG EQUALS A WAGON LOAD OF STABLE MANURE

FERTILIZERS

ADCO. Free from foul odor, flies, weed-seeds, etc. The process is perfectly simple and not at all laborious.



The addition of Adco to the compost pile, or to other vegetable refuse, grass clippings, leaves, etc.; at the rate of two pounds to each wheelbarrow load of refuse, will produce a clean, odorless manure within three or four months. 25 lbs. \$2.00; 150 lbs. \$10.50.

ACID PHOSPHATE, 16 per cent. 1 lb. 5c; 25 lbs. \$1.00; 100 lbs. \$2.50.

AMMONIA SULPHATE. Analyzes about 25 per cent ammonia with the result that stimulation in growth of plant life is noted practically at once. 5 lbs. 75c; 10 lbs. \$1.25; 50 lbs. \$3.50; 100 lbs. \$6.00; larger quantities, prices upon application.

ASHES, CANADIAN HARDWOOD. Very good in supplying potash, and also greatly benefits mechanical condition of the soil. A very fine lawn dressing. 25 lbs. \$1.25; 50 lbs. \$2.00; per bag of about 100 lbs. \$3.00; per ton \$40.00.

BLOOD, DRIED. A very quick acting fertilizer being immediately soluble. 5 lbs. 50c; 10 lbs. 90c; 25 lbs. \$2.00; 50 lbs. \$4.00; 100 lbs. \$7.00.

BONE AND BLOOD. Tankage 9%. For cabbage, cauliflower, corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 500 lbs. per acre. Price, 25 lbs. \$1.70; 50 lbs. \$2.50; 100 lbs. \$3.70; 250 lbs. \$8.75; 500 lbs. \$15.25; 1000 lbs. \$29.00; 2000 lbs. \$56.00.

BONE FLOUR. Very finely pulverized bone. Excellent where an immediate effect is wanted. 25 lbs. \$1.50; 100 lbs. \$5.00.

BONE MEAL. 100 lbs. \$4.50. Also, another grade of Bone Meal or Ground Bone. 100 lbs. \$3.50.

FARM FERTILIZERS

A Liberal Discount to Cash Customers

	Ammo	Avall Phos. Acid	Potash	Ton
Oats, Barley, Wheat, Corn.....	2	12	2	\$44.00
Corn and Grains.....	1	9	4	38.00
Onions, Celery, Potatoes.....	2	8	10	45.00
Potatoes and Vegetables.....	4	8	4	46.00
Potato Grower.....	2	8	5	42.00

OLD GARDNER COMPLETE FERTILIZER (with Lime)

1-lb. can.....	\$.25	25-lb. bag.....	\$2.00
5-lb. bag.....	.55	50-lb. bag.....	3.50
10-lb. bag.....	1.00	100-lb. sack.....	5.50

On the basis of actual plant-food contained, Old Gardner is the cheapest complete fertilizer you can buy.

AGRICULTURAL GYPSUM. A high grade lime product for sweetening heavy and sour soils. Price, 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$2.25; 500 lbs. \$9.00.

FERTILIS TABLETS. Fine fertilizer for house plants. Simple, effective and odorless. Very popular. 25c.

GRANULATED PEAT. \$5.00 per bale, 220 lbs. per bale. Some firms offer 180-lb. bales. Note this when buying.

GROUND BONE MEAL. Excellent for grass plots, gardens, etc. 5 lbs. 25c; 25 lbs. \$1.25; 50 lbs. \$2.50; 100 lbs. \$4.50.

HUMUS (ALPHANO PREPARED). An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with 1 1/2 to 2 inches of Humus and spaded in. 5 lbs. 35c; 10 lbs. 60c; 25 lbs. 85c; 50 lbs. \$1.35; 100 lbs. \$2.25; 500 lbs. \$10.00; 1/2 ton \$15.00.

LIME (HYDRATED). For lawn and field use where the ground has become sour. 50 lbs. \$1.10; 100 lbs. \$2.00.

NITRATE OF SODA OR CHILI SALTPETER. Nitrate of Soda is not a substitute for other Manures, but one of the cheapest and best forms in which to apply Nitrogen to plants. Do not let nitrate touch green growth or it will burn. Remove the lumps before using and break them up, which can be done by pounding.

For the Home Garden apply as a solution one ounce to two gallons of water. Price (subject to market changes), 5 lbs. 60c; 10 lbs. \$1.00; 25 lbs. \$2.10; 50 lbs. \$3.50; 100 lbs. \$5.85; 500 lbs. \$25.00.

PLANT FOOD FOR HOUSE PLANTS. (ODORLESS). The best Plant Food on the market. May be used either dry or liquid. Especially fine for ferns. Price, 25c per pkg.

MURIATE OF POTASH. Imported Potash once again available, should be used liberally, especially for all root crops. Price, 25 lbs. \$1.75; 50 lbs. \$2.65; 100 lbs. \$4.10; 250 lbs. \$9.35; 500 lbs. \$17.50.

PULVERIZED LIMESTONE. Especially fine for roses. Apply liberally and watch results. An excellent form in which to apply lime which is a neutralizer for soil acidity, liberates nitrogen and other plant food, and stimulates bacterial action. Two tons or more per acre, or by hand in small gardens, a large handful to a square yard. Price, 100 lbs. \$1.00; 500 lbs. \$4.00; 1000 lbs. \$9.00; 2000 lbs. \$12.00.

SACCO PLANT FOOD. Potted plants, porch boxes, flower beds, lawns, garden shrubbery, and ferns. The action of Sacco Plant Food is very quick and a wonderful improvement in growth and appearance of plants will be noticeable in a short time.

1 lb. tins.....	\$.25	25 lbs.....	\$1.75
5 lbs.....	.50	50 lbs.....	3.00
10 lbs.....	.85	100 lbs.....	5.00

SALT. For agricultural purposes, asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. to the acre in early spring. 25 lbs. 50c; 56 lbs. 85c.

SCOTCH SOOT (Genuine Imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut-worms. Price, 25 lbs. \$2.10; 50 lbs. \$3.60; 100 lbs. \$6.25; 500 lbs. \$27.50.

STIM U PLANT TABLETS. A fertilizer in tablet form. The tablets contain the essential plant foods in highly concentrated form and are therefore very convenient for house use. Package, small size, 30 tablets, 25c. Med. size, 100 tablets, 75c; large size (pail), 1000 tablets (enough for season's supply for medium sized garden) \$3.50. Keeps Lawns Fresh and Green.

SULPHATE OF AMMONIA. Used for its Nitrogen. A very fine fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet. Price, 25 lbs. \$2.00; 50 lbs. \$3.40; 100 lbs. \$5.75; 500 lbs. \$24.00.

TEROGEN.

This unique Soil Disinfectant—Fungicide, Insecticide and Fertilizer—has played a highly important part in the great success achieved by the rationally known Rose Gardens at Wallingford, Pa.

PRICES

1 lb. tins.....	\$.75	10 lb. tins.....	\$ 4.75
2 lb. tins.....	1.25	25 lb. tins.....	11.00
5 lb. tins.....	2.75	100 lb. tins.....	40.00

A 10-lb. tin is sufficient for one application for 30 to 50 plants.

TOBACCO DUST, per lb. 10c; per 100 lbs. \$6.00.

TOBACCO STEMS. Placed around the roots of roses and other plants; occasionally recommended as a dressing for grass over winter. Feeds the plants, protects against cold, retains moisture, deters insects. Use from 2 1/2 to 3 1/2 tons per acre; 1 to 1 1/2 pounds to the square yard. 100 lbs. \$3.00.

FINE GRANULATED PEAT MOSS. For new and old lawns, for your garden, top dressing or mulching around flower and vegetable beds, evergreens, bushes and shrubbery. Can also be used for packing and preserving apples, pears and vegetables. Absorbs the moisture, preventing decay when used in storing your fruits and vegetables, especially in winter. Price per bale, \$4.50.

FARM AND GARDEN CULTURES

MULFORD CULTURES

For Legumes

	Alfalfa	Crimson Clover	Garden Peas	Cow Peas
	Sweet Clover	White Clover	Garden Beans	Soy Beans
	Red Clover	Alsike Clover	Vetch	
1/2-bu. size.....	\$.60	1-bu. size.....	\$ 1.60	
1 -bu. size.....	1.00	2-bu. size.....	1.00	
2 1/2-bu size.....	2.25	5-bu. size.....	2.25	
10 -bu. size.....	8.00			

FARMOGERM—HUMOGERM

For Alfalfa, Soy Beans, Clovers and other legumes. Sold on bushel basis—not acre size.

1/4-bu. size.....	\$.40	1 -bu. size.....	\$1.00
1/2-bu. size.....	.60	2 1/2-bu. size.....	2.25
Special garden size for Garden Peas, Beans and Sweet Peas.....			.35

INSECTICIDES

ANGLEWORM REMEDY. One teaspoonful Corrosive Sublimate in 3 gallons of water. Sprinkle on the ground affected by worms, which forces them out and then can be raked up. Also good remedy for ants. $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 50c.

ANT DESTROYER. An effective remedy for Ants. $\frac{1}{2}$ teaspoonful required for each ant hill. $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00; 5 lbs. \$2.50.

ANTROL (Ant Remedy). For killing of sweet-eating varieties of ants that infest and are seen on plants and trees. 4 oz. bottle 50c; 1 pt. bottle \$1.00; gal. can \$4.00; containers 20c.

APHISTROGEN. Makes a complete spray for most sucking insects; prepared especially for roses and other plants. 4 oz. 75c; $\frac{1}{2}$ lb. \$1.25; 2 lbs. \$3.50; 12 lbs. \$15.00.

ARSENATE OF LEAD POWDER. Superior to paste in that it does not deteriorate from standing. Use 1 to 1 $\frac{1}{2}$ lbs. to 50 gals. of water. $\frac{1}{2}$ lb. 25c; 1 lb. 45c; 5 lbs. \$2.00; 10 lbs. \$3.50; 25 lbs. \$8.00.

BLACK FLAG, for fleas, flies, bedbugs, mosquitoes. 25c, 45c, 75c.

BLACK LEAF 40. A concentrated nicotine solution for aphids, thrip, and red spider. Dilute 1 oz. to from 3 to 6 gals of water. 1 oz. 35c; $\frac{1}{2}$ lb. \$1.25; 2 lbs. \$3.25; 10 lbs. \$12.00.

BORDEAUX MIXTURE, powder, per lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.50.

BUG DEATH, 1 lb. 20c; 3 lbs. 50c; 5 lbs. 70c; 12 $\frac{1}{2}$ lbs. \$1.70; 100 lbs. \$9.50.

CARBOLINEUM, 1 to 2 gals. \$1.75 per gal.; 5 gals. \$1.50 gal.; 5 or 10 gals. \$1.35 gal.

CED-O-GEN. (4 in one spray). See page 59 for particulars.

CED-O-FLORA PLANT SPRAY. Sure death to mealy bug, red spider, scale. 3 oz. 50c; pt. \$1.25; qt. \$2.25; gal. \$7.00; 5 gal. \$6.00 per gal.

COOPER'S SHEEP DIP, pkg. 90c and \$2.00.

COPPER SULPHATE OR BLUESTONE. lb. 15c.

CUT WORM KILLER, 1 lb. 30c; 5 lbs. \$1.25.

CYANOGAS (CALCIUM CYANIDE), for woodchucks, rats, ants, moles, 5 lbs. \$2.50.

DIPDUST AND SEMESAN—See page 5.

EVERGREEN (Non poisonous Insecticide, can be mailed). Kills Plant Pests, Cucumber and Melon Beetles, Cabbage Worms, Rose Slugs, Leaf Hoppers, Currant Worms, etc. Harmless to man, live stock, birds, pets. Spray freely on the tenderest plants. Won't injure soil. Just mix with water and stir. No unpleasant odor. 1 $\frac{1}{2}$ oz. bottles 35c; 6 oz. bottles \$1.00; pt. \$2.00; qt. \$3.85; 1 gal. \$13.00.

One of our customers told us about results from using "EVERGREEN" on rose beetles, which are very hard insects to kill. After using, in two or three minutes the beetles dropped dead.

FEROGEN. Spring-Summer Ground Dressing. A remarkable Plant Food, Soil Stabilizer and Ground Dressing for your roses. FeroGen should be cultivated into your rose beds early in the Spring. 1-lb. can 75c; 2-lb. can \$1.25; 5-lb. can \$2.75 each.

FISH OIL SOAP, $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 5 lbs. \$1.35.

FUNGTROGEN. A most effective and scientific preventative and remedy for Mildew Black Spot and other fungoid diseases of roses. Will not discolor the foliage. Pint \$1.25; quart \$2.00; half gallon \$3.50; gallon \$6.00. (Not mailable).

GRAFTING WAX, $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 25c; 1 lb. 45c.

GRAPE DUST. Powder. A remedy for mold and mildew. Ready for use as bought. 5 lbs. \$1.00; 10 lbs. \$1.80.

HELLEBORE, $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 35c; 1 lb. 60c.

INSECTROGEN. A complete spray. Poison, fungicide and fertilizer. Highly effective for leaf chewing

insects, and an equally efficient detergent for black spot on Roses, and Mildew and Red Spider on Phlox. Half pints \$1.00; pints \$1.75; quarts \$2.75; half gallons \$4.50; gallons \$8.00. (Not mailable).

LIME AND SULPHUR. Standard remedy for scale and certain fungus. Use 1 part to 9 parts of water. Not a poison, kills only by direct contact with the insect. For fall, winter and spring use. 1 gal. 65c; 5 gal. \$2.50; 10 gal. \$4.50. Barrel lots at special prices.

LIME-SULPHUR, DRY. Exactly like lime-sulphur. For fall and spring sprayings. Use 12 to 15 lbs. to 50 gallons water. Lb. 35c; 5 lbs. \$1.40; 10 lbs. \$2.40; 25 lbs. \$4.75; 50 lbs. \$8.00; 100 lbs. \$15.00.

MAG-O-TITE. Protects your crops against the ravages of the root maggot, earth-worm and other pests. A 2-pound package will cover about 300 feet of drill, mixed with the soil at planting-time, 300 to 500 pounds per acre. 2 lbs. 40c; 4 lbs. 75c; 8 lbs. \$1.25.

MELROSENE. Remedy for killing full-grown rose bugs, $\frac{1}{2}$ pt. 50c; 1 qt. \$1.00; 1 qt. \$1.75.

NICO-FUME, liquid, for spraying and vaporizing. $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25; 4 lbs. \$7.00; 8 lbs. \$12.00.

NICO-FUME TOBACCO PAPER, for fumigating. 24 sheets \$1.25; 144, \$5.00; 288, \$9.00.

"NICO-FUME" TOBACCO POWDER. Not mailable. Tobacco Powder impregnated with a high strength nicotine solution. 1 lb. \$1.00; 5 lbs. \$4.00; 10 lbs. \$7.00.

PARIS GREEN, $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 30c; lb. 55c.

PYROX sticks like paint; kills all leaf-eating insects. Pyrox (Bordeaux Arsenate of Lead, Paste). A combination of Bordeaux Mixture and Arsenate of Lead. Use 1 lb. to from 5 to 10 gals of water. 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.00; 25 lbs. \$6.50; 50 lbs. \$11.00; 100 lbs. \$19.50.

RAT NIP. For rats and mice. Cans 35c.

ROSE REMEDIES. For Rose Beetles, etc. We recommend EVERGREEN, BLACK LEAF "40" as being effective and simple. Both listed on this page.

SCALECIDE, 1 qt. 65c; 1 gal. \$1.50; 5 gal. \$6.00.

SEMESAN BEL. An instantaneous dip disinfectant for Seed Potatoes. 4 oz. tin 50c; 1-lb. tin \$1.75; 5-lb. tin \$8.00; 25-lb. pail \$31.25; 100-lb. drum \$120.00.

SEMESAN AND DIPDUST—See page 5.

SEMESAN-SPRAY, for preventing and controlling Brown Canker, Black Spot and Mildew of Roses. 2 oz. 50c; 1 lb. \$2.75; 5 lbs. \$13.00. (Not mailable.)

SLUG SHOT, 1 lb. carton 20c; 5 lbs. 75c; 25 to 50 lbs. 10c lb.

SULPHO TOBACCO SOAP, 25c.

SULPHUR. Powdered. For mildew. 1 lb. 15c; 5 lbs. 60c; 10 lbs. \$1.00; 100 lbs. \$8.00.

TANGLEFOOT, 1 lb. 60c; 5 lbs. \$2.50.

TEROGEN. Insecticide Fungicide for Rose Gardens. Fertilizer and soil disinfectant. Destroy insect pests and disease before they can attack.

1-lb. Tin \$.75 10-lb. Tin \$ 4.75

2-lb. Tin 1.25 25-lb. Tin 11.00

5-lb. Tin 2.75 100-lb. Tin 40.00

See also Fertilizers on page 3. Ask for full particulars.

THRIP JUICE, gal. \$3.75; qt. \$1.35; pt. 75c.

TOBACCO DUST, 15c lb.

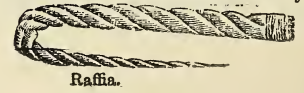
TOBACCO STEMS, lb. 5c; per bale \$2.50 and \$3.50.

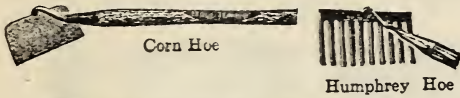
VOLCK. One of the most effective and widely used sprays for the control of Red Spider, Mealy Bug, Scale, Thrip, White Fly, Aphids and rose mildew. Can be used on tender foliage. Will combine with nicotine and lead arsenate. Prices: $\frac{1}{2}$ pt. 50c; 1 pt. 75c; 1 qt. \$1.00; 1 gal. \$3.00; 5 gal. \$12.50; 14 gal. \$27.50; 28 gal. \$45.00.

WEED KILLER (HERBICIDE). 1 qt. 75c; $\frac{1}{2}$ gal. \$1.25; 1 gal. \$2.00. Dilution 40 to 1. Very effective and easily applied.

Asparagus Knife, 35c.
 Bamboo Canes, All prices.
 Bird Baths, See page 3.
 Brackets, for pots and shelves, 55c, 65, and 75c.
 Brooms, Brush, 50c; House, 75c, 95c, \$1.10; Stable, \$1.25, \$1.35; Push, \$1.50.
 Brushes of every kind and use.
 Brushes, of every style and price, 10c to \$4.00.
 Bulb or Seed Pans, See page 68.
 Hanging Pots and Baskets, See page 68.
 Hanging Pot Chains, 35c.
 Neponset Paper Pots, See page 68.
 Saucers and Vases, See page 68.
 Pots and Saucers, See page 68.
 Florist Vases, Fibre.
 Bulb Bowls, 25c to \$2.00.
 Bouquet Holders or Cemetery Vases, Galvanized Iron, Tin, 25c and 15c.
 Carnation Supports, Page 68.
 Celery Tape, \$1.25 and \$1.50.
 Cemetery Urns.
 Cider Presses.
 Cider Mills and Fruit Presses.
 Corn Poppers, 35c, 45c, 50c, 75c. Electric, Gas and Stove use.
 Dibbles, 65c, 75c, 85c.
 Dusters, for dusting dry Insecticides, 45c, 85c.
 Edging Knives or Turf Edgers.
 Egg Carriers, Metal, for Parcel Post, Page 61.
 Fibre Ware, pots and saucers, unbreakable.
 Flower Pots, etc., See page 68.
 Floral Tools or Gardening Sets, 50c, 75c, \$1.00, \$1.85, \$2.25, \$2.85.
 Children's or Ladies' Sets.
 Flower Pots and Stands, Page 68.
 Forks, Haying, Spading, Potato Hooks.
 Flower Gatherers for cutting and holding flowers.
 Fruit Pickers, 75c.
 Fumigators.
 Fruit Presses.
 Garden Borders, See page 3.
 Garden Lines.
 Garden Line Reels, \$1.00.
 Gazing Globes, \$7.50 and up.
 Glazing Points, 50c, 60c box.
 Glazing Putty, Mastic, \$2.50 per gal.; Mastic Machines, \$3.00 ea.
 Gloves, Gardening and Pruning, for ladies, 25c, 35c; for men, 25c, 35c, 50c.
 Grafting Chisel, \$1.50.
 Grafting Tools, or Knives.
 Grafting Wax, lb. 50c; ½ lb. 25c; ¼ lb. 15c.
 Grass Catchers, See page 49.
 Grass Hooks or Sickles, 75c, 95c, \$1.00.
 Grass Shears, 50c, 75c, 90c, \$1.25, \$1.50, \$2.50.
 Hanging Baskets, All prices.
 Hedge Shears and Pruners, See page 49.
 Hedge Trimmers, See page 49.
 Hoe and Wheel Cultivators, See page 52. Planet Jr. and Iron Age.
 Hoes, All sizes and prices, 50c, 75c, 85c, 95c.
 Hoes, Grub, \$1.25.
 Norcross Hoe Cultivator, 85c, \$1.25.
 Pronged Hoe or Potato Fork, \$1.00, \$1.25.
 Scuffle, Dutch or English, 75c.
 Warren Common Hoes, All sizes.
 Garden Hose, All sizes and prices, 15c and 16c ft.
 Clincher Hose Couplings, 25c.
 Hose Menders, Coopers, 15c ea.
 Hose Reels, \$2.00 to \$5.00.
 New Boston Graduating Nozzle, 75c.
 Nozzles for spraying Insecticides, \$1.00.
 Sprayer Nozzles for Hose, 85c.
 Hotbed Sash, Ask for prices.
 Hyacinth Glasses, See fall bulb catalogue.
 Knives, Budding and Pruning, all sizes and prices, \$1.25, \$1.75.
 Lawn Sprinklers, Fountain or Ring, 85c; Rain King, \$3.50; Lawn Life, \$1.00; Tu-Way, \$1.25.

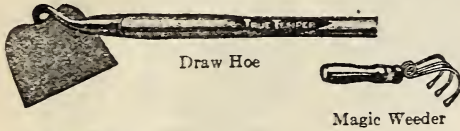
Labels, Pot, \$2.00 to \$3.25 M; Garden, \$8.00 to \$13.00 M; Dahlia or Tree Labels Wired, 10c doz., 45c C, \$3.00 M.
 Mastica, (Liquid Putty, See page 57. \$2.50 per gal.
 Mastic Machines, \$3.00.
 Mole Traps, \$2.75.
 Mulford Culture, See page 6.
 Plant Supports, "Adjusto", See page 68. 20c, 25c each.
 Plant Boxes for Windows, wood, 24-in. \$1.35; 30-in. \$1.75; 36-in. \$2.60; 42-in. \$3.15; 48-in. \$3.75.
 Plant Stands, Wire, \$6.50.
 Plant Sprinklers, Rubber, 75c, \$1.00, \$1.25.
 Plant Stakes, Bamboo, Natural, tapering to a point; Chinese Tonkin Canes, tough as bamboo, 4-ft., 6c; 5-ft. 8c; 6-ft. 10c; Green Bamboo, small, 18-in. to 4-ft., 75c to \$1.75 per C; Japanese Canes, Natural; Round, tapering, painted green; Square, tapering, painted green.
 Plant Tubs, See page 68.
 Peony Supports, See page 68.
 Pruning Saws, \$2.00.
 Pruning Scissors, \$1.50.
 Pruning Shears, fine quality, ladies, 50c, \$1.75; French, \$3.00; Branch or Lopping Shears, \$4.00.
 Putty, Twemlow's Liquid, \$3.00 per gal.; Mastica, \$2.50.
 Raffia, See page 68.
 Rakes, Bamboo, 75c, 90c.
 Rakes, Reversible Wire Lawn, \$1.25, 85c.
 Rakes, Reversible Wood, self cleaning, \$1.25, \$1.90.
 Rakes, Steel Garden, 90c, \$1.30.
 Rakes, Snap-tooth, No. 1, \$1.00; No. 2, 85c; No. 3, \$1.25. P. 50.
 Reed for Basketry, Page 64.
 Rollers, Waterweight, page 49.
 Sash for Hot Beds. Ask for prices.
 Scythes, All sizes and prices.
 Scythes, English, \$2.75.
 Scythe Stones, 10c to 35c.
 Seeder for Grass Seeds, \$3.00.
 Shears, Edging or Border, 50c, 75c, 90c, \$1.00.
 Shears, Garden, \$1.75; Plain, \$2.00, \$3.50; Notched, \$1.25, \$4.00.
 Shovels, Wood D Handle, all sizes and prices, \$1.25, \$2.00.
 Sickle or Grass Hook, Lawn King, 75c, 95c, \$1.00; Village Blacksmith, 75c, 95c, \$1.00.
 Silkline spool, 40c.
 Spades, Ames Best, \$2.50; Steel D handle, \$1.25, \$1.50.
 Sprayers, See pages 49-50-51.
 Spray Nozzles, See pages 50, 9.
 Spray Materials, See Insecticides.
 Sun Dials, See page 3.
 Sod Lifter, \$3.50 to \$9.00.
 Tape, for Asparagus or Celery, \$1.25, \$1.50.
 Thermometers, for Brooders and Incubators, for Hotbed and Mushroom; Japanned Tin, Self-Registering. All prices.
 Tinfoil, Plain. 25c per lb.
 Torch, Kerosene, \$2.50.
 Tree Guards, \$1.25.
 Tree Pruner, Waters, \$1.50-\$3.00.
 Tree Pruner, Telephone, \$4.00.
 Trellises. See page 2-3.
 Trowels, 20c, 25c, 80c.
 Trowels, Solid forged steel, \$1.00.
 Twine, Soft Jute 2, 3, and 4-ply; Soft Jute 2-ply (many ends for tying Vegetables); 25-lb. Reels, 29c per lb., 50-lb. Reels, 29c per lb.; Hard, Strong, Tying, per ball, 25c, 30c, 40c, 60c; White Cotton, per ball, 10c, per lb. 55c.
 Urns, Cemetery or Garden, Page 3.
 Watering Pots, Florists, \$1.25 and up; French, Galvanized iron, Long spouts, Japanned green, 50c, \$1.00, \$1.50.
 Weeder, Excelsior, 25c; Garden Weeding Fork, 25c; Gem Weeder, 35c; Magic Weeder, 50c; Short Handle, 75c; Long Handle, 75c; Norcross, 85c, \$1.25.
 Weed Killers. (See Insecticides.)
 Weed Pullers, 85c and \$1.25.
 Wheelbarrows, See page 57.
 Wire Bright, Annealed Tying Nos. 18, 19, and 20, per stone, \$1.50.
 Vases, Cemetery, See page 3.





Corn Hoe

Humphrey Hoe



Draw Hoe

Magic Weeder



Meadow Hoe



Potato Fork



"Superior to Imitations"

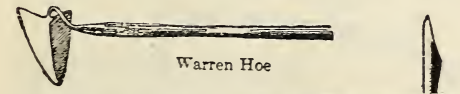
Norecross Hoe Cultivators



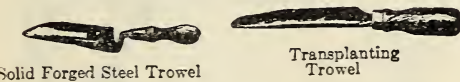
Grub Hoe



Pull Easy Cultivator



Warren Hoe



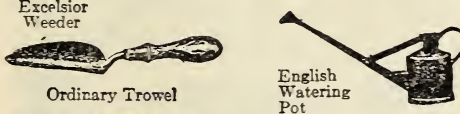
Solid Forged Steel Trowel

Transplanting Trowel



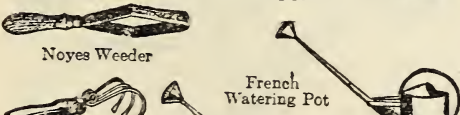
Excelsior Weeder

Eureka Weeder



Ordinary Trowel

English Watering Pot



Noyes Weeder

French Watering Pot



Magic Weeder

Florists Watering Pot



Hazeltine Weeder

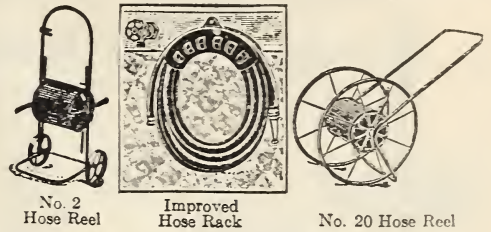
Long Spout Watering Pot



Common Watering Pot



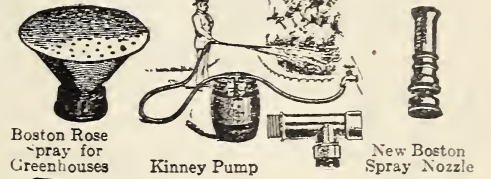
Wheelbarrow



No. 2 Hose Reel

Improved Hose Rack

No. 20 Hose Reel



Boston Rose Spray for Greenhouses

Kinney Pump

New Boston Spray Nozzle



STOTT'S ROSE SPRAY



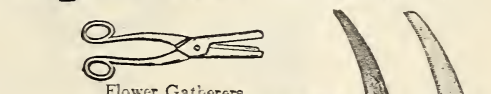
Shut-Off Connection

Champion Nozzle

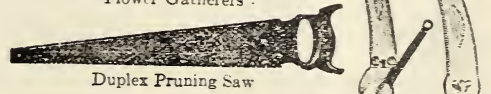
Fairy Spray Nozzle

Hotbed Thermometer

Greenhouse Hose Nozzle



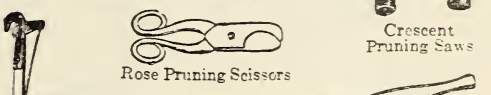
Flower Gatherers



Duplex Pruning Saw



Adjustable Pole Pruner

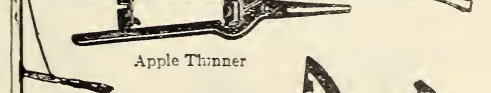


Rose Pruning Scissors



Waters' Tree Pruners

Hedge Shears



Apple Thinner



"Just-Rite" American Pruning Shears

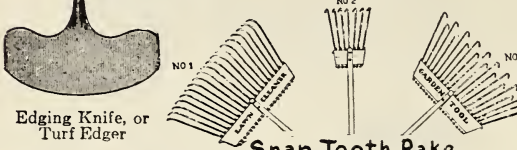
Levin No. 40

No. 40

French Shears



Draw Cut Shears



Edging Knife, or Turf Edger

Snap Tooth Rake
3 Rakes in One



Edging and Border Shears



ERADO WEEDER



Water Weight Roller



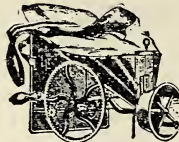
Mastica



Glazing Putty



Putty Bulb



Cahoon Seed Sower



Wire Window Shelf

See page 145



Mastica Glazing Machine



Spraywell Angle Plant Sprinkler



Bird Bath



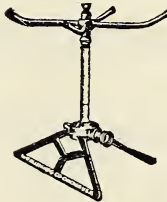
Bamboo Filter Raké



Little Wonder Lawn Sprinkler



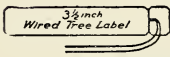
Fountain or Ring Sprinkler



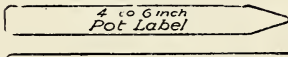
California Lawn Sprinkler



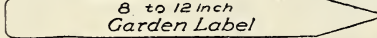
Grafting Tool



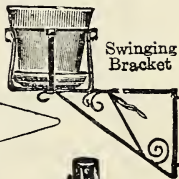
3/8 inch Wired Tree Label



4 to 6 inch Pot Label



8 to 12 inch Garden Label



Swinging Bracket



Reversible Lawn Rake



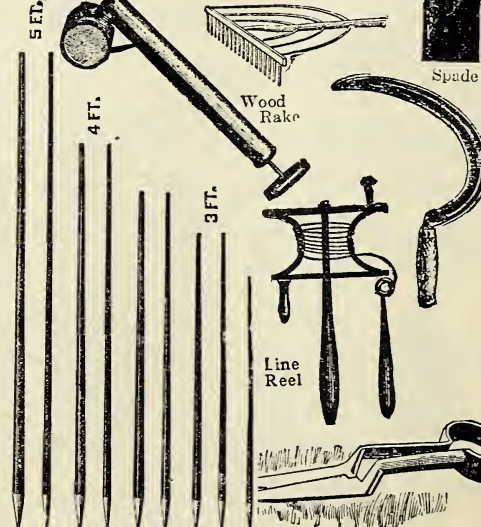
Steel Garden Rake

Fan Trellis

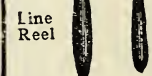


Wood Rake

Spade



Round Tapering Plant Stakes



Line Reel



Grass Shears



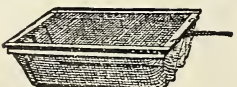
Horn Handle Budding Knife



Budding and Pruning Knife



Stag Handle Budding Knife



Corn Popper



Peerless Glazing Point

EXTRA RE-CLEANED GRASS AND CLOVER SEED

We offer SPECIAL PRICES on all GRASSES and GRAINS listed on this page. "The best in quality and variety is our slogan." Ask for prices and estimates.

BLUE GRASS, KENTUCKY FANCY RECLEANED (POA PRATENSIS). Also known as June Grass, Green Grass, etc. One of the best permanent grasses, especially for lawns and meadows. Lb. 50c.

BLUE GRASS, CANADIAN (POA COMPRESSA). Useful for poor, thin and gravel soils. Lb. 40c.

CREeping BENT GRASS (AGROSTIS STOLONIFERA). Excellent for lawns and putting greens. Lb. \$1.15.

CRESTED DOGTAIL (CYNOSURUS CRISTATUS). Lb. 45c; Bu. (21 lbs.) \$10.00.

FESCUE, CHEWINGS NEW ZEALAND (FESTUCA CHEWINGS). For lawns and putting greens. Lb. 55c.

FESCUE, HARD (FESTUCA DURIUSCULA). Indispensible in all pasture mixtures. Lb. 50c.

FESCUE, MEADOW (FESTUCA PRATENSIS). English Blue Grass, or Sweet Grass. Lb. 40c, postpaid.

FESCUE, RED OR CREEPING (FESTUCA RUBRA). For fine lawns and putting greens. Lb. 45c.

FESCUE, SHEEP'S (FESTUCA OVINA). Valuable for pastures. Lb. 50c, 100 lbs. \$35.00.

FESCUE, FINE-LEAVED SHEEP'S (FESTUCA OVINA TENUIFOLIA). Excellent for lawns and golf courses. Lb. 60c; Bu. (14 lbs.) \$8.00.

MEADOW, FOXTAIL (ALOPECURUS PRATENSIS). A perennial pasture grass. Lb. 90c postpaid.

ORCHARD GRASS (DACTYLIS GLOMERATA). Valuable pasture grass. Lb. 30c; Bu. (14 lbs.) \$3.50.

RED-TOP GRASS, EXTRA RECLEANED SEED (AGROSTIS ALBA). Popular for lawns. Lb. 40c; Bu. (32 lbs.) \$11.50.

ROUGH STALKED MEADOW GRASS (POA TRIVIALIS). Fine for lawns. Lb. 65c; Bu. (14 lbs.) \$8.25.

RYE GRASS, PERENNIAL (LOLIUM PERENNE). Valuable for lawns. Lb. 18c; Bu. (24 lbs.) \$3.75.

RYE GRASS, PACEY'S. This makes a quick growth very early in spring. Per lb. 20c; per bushel of 24 lbs. \$4.00.

SWEET VERNAL GRASS (ANTHOXANTHUM ODORATUM). Imparts a sweet odor to hay. Lb. 35c.

TALL MEADOW OAT GRASS (AVENA ELATIOR). Lb. 35c; Bu. (10 lbs.) \$3.00.

WOOD MEADOW GRASS (POA NEMORALIS). The ideal grass for heavily shaded lawns. Lb. 85c.

TIMOTHY (PHEUM PRATENSE). A valuable hay crop, Sow 8 to 10 quarts if used with other grass seeds.

Permanent Pasture Grass

Prices at Market Value

This special mixture of grass and clover seed is composed of varieties best adapted for producing an abundant and nutritious food supply for stock.

Low Land	Lbs. per Acre	High Land	Lbs. per Acre
Timothy.....	8	Blue Grass.....	7
Red Top.....	4	Red Clover.....	3
Alsike Clover.....	6	Orchard Grass.....	3
Canadian Blue Grass..	4	Redtop.....	10
Orchard Grass.....	4	Perennial Rye Grass...	8
White Clover.....	2	White Dutch Clover...	3
	28		34
For Wet Pastures		For Light, Sandy Soils	
Redtop.....	14	Red Fescue.....	20
Alsike.....	8	Redtop.....	10
Perennial Rye Grass...	12	Kentucky Blue Grass..	8
White Clover.....	6	White Dutch Clover...	2
	40		40

Japanese Millet. (Billion Dollar Grass.) Japanese Millet is one of the most remarkable forage plants known, often growing six feet tall. Relished as hay by stock of all kinds. If desired for hay, cut just before it heads out. Price \$4.00 per bushel.

Sudan Grass. Sudan Grass is strictly an annual, and dies each year like millet. From seven to nine feet high, with very small stems. Stock prefer it. Sow 10 to 15 lbs. per acre. Price 15c lb.

Golden or German Millet. 50 lbs. to the bushel; 1 bushel to the acre. Per bushel, about \$4.50.

Dwarf Essex Rape. A forage plant of highest value. Per lb. 20c; 100 lbs. \$12.00.

Sorghum, or Early Amber Sugar Cane. This is the sorghum of the Northern States. Per lb. 8c; bu. (50 lbs.) \$3.50.

Vetches or Tares, Winter. (VICIA LOSA.) Also called Sand Vetch, or Hairy Vetch. Sow 25 lbs. with one bushel grain per acre. Price per lb. 25c.

CLOVERS

Alfalfa, or Lucerne. Sow from 20 to 30 lbs. per acre. Market price.

Alfalfa, Grimm. On account of its superior hardness this variety is particularly recommended for growing in northern latitudes. Market price.

Alsike or Hybrid Clover. (TRIFOLIUM HYBRIDUM.) The plant is perennial and very hardy, thriving well on wet soils. Sow 10 to 15 lbs. to acre. Market price.

Red Medium or Mammoth. This is the common Red Clover so largely grown. We shall be pleased to quote prices at any time.

White Dutch Clover. (TRIFOLIUM REPENS.) This thrives in almost every soil and climate. Per lb. 55c.

Sweet Clover Bokhara (MELILOTUS ALBA.) This slightly resembles Alfalfa in growth, but is much taller, with leafier and stiffer stems. Per lb. 20c.

WHEELBARROW SEEDERS

With Steel Frame

They can be worked by anyone who can run a wheelbarrow. Price, 14-foot, \$14.00; 16-foot, \$16.00.

FIELD SEEDS

Canada Field Peas, per bu..	\$ 4.85
Buckwheat, Japanese, per bu.	2.40
Buckwheat, Silverhull, per bu.	2.40
Barley, Chevalier, 2-row, per bu.....	2.75
Barley, Oderbroecker, 6-row, per bu.....	2.75
Speltz, per bu. (32 lb. bu.)..	\$ 2.50
Spring Rye, per bu.....	3.50
Winter Rye, per bu.....	3.00
Marquis Spring Wheat, per bu.....	3.85
Sunflower Seed, per lb. 15c; per 100.....	13.00



Grown on the Merry Farm

Field of Onondaga Grain Mixture

This wonderful dairy mixture forms a balanced grain ration, superior to any mill feed at greatly reduced cost. Saves constant hauling, a perfect milk and flesh producing feed, at 1/2 to 2/3 the cost of ordinary grain feeds. Can be ground with your own power, thus leaving the money in your own pocket. You make and take the profit yourself. Cost per acre, \$7.00.

Sow 100 lbs. Onondaga Grain Mixture per acre and if the soil is rather poor—sow a little more.

Dipdust-Semesan for Larger and Better Crops Better Potatoes, Corn, Grain and Vegetables

DIPDUST

An Instantaneous Dip Disinfectant for Seed Potatoes

Sizes of Packages	Retail Price Per Package
4-oz. tin	\$.50
1-lb. tin	1.75
5-lb. tin	8.00
25-lb. pail	31.25
100-lb. drum	120.00
300-lb. drum	345.00

BAYER DUST

A Dust Disinfectant for Seed Corn

Sizes of Packages	Retail Price Per Package
4-oz. tin	\$.50
1-lb. tin	1.75
5-lb. tin	8.00
25-lb. pail	31.25
100-lb. drum	120.00

SEMESAN JR.

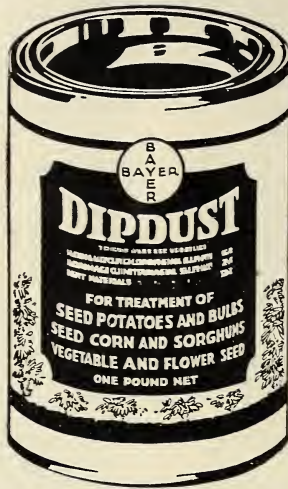
A Dust Disinfectant for Seed Corn

Sizes of Packages	Retail Price Per Package
4-oz. tin	\$.50
1-lb. tin	1.75
5-lb. tin	8.00
25-lb. pail	31.25
100-lb. drum	120.00
300-lb. drum	345.00

DIPDUST HELPS YOUR PEAS TO GROW

Treat your pea seed with DIPDUST this season before planting and help to protect it from many of the diseases so prevalent in New York, and other pea-growing sections. DIPDUST controls such seed-borne diseases as **foot rot**, and reduces **stem blight** and **root rots** caused by **Rhizoctonia** and **Pythium**.

DIPDUST is easily and quickly applied. Simply



LARGER YIELDS OF CLEANER POTATOES With This Instantaneous Dip

Scab, Russet Scab, Rhizoctonia and Black-leg are the bugbears of every potato grower.

One man can easily treat 250 bushels of seed potatoes in a single day with no danger to the seed, even if they are sprouted.

INCREASE YOUR CORN YIELD 5 TO 15 BU. PER ACRE

With Bayer Seed Corn Treatment

BAYER SEED CORN TREATMENT permits earlier planting, reduces seed decay and rot; increases germination, prevents seedling blight, root and stalk rots, reduces the amount of "down" corn and increases the yield. Saves millions of dollars to the corn growers annually. Directions with each package.

place the seed and required amount of DIPDUST in any dust tight container and shake for two or three minutes, and your seed is ready to plant. One pound will treat more than 5 bushels of seed. It pays for its small cost many times over.

Costs less than 5c per acre. One lb. treats six bu. of corn.

4-oz., \$.50; 1-lb., \$1.75; 5-lb., \$8.00

SEMESAN BEL

An Instantaneous Dip Disinfectant for Seed Potatoes

Sizes of Packages	Retail Price Per Package
4-oz. tin	\$.50
1-lb. tin	1.75
5-lb. tin	8.00
25-lb. pail	31.25
100-lb. drum	120.00
300-lb. drum	345.00

NU-GREEN

A Grass Disinfectant for Brown-Patch Prevention and Control

Sizes of Packages	Retail Price Per Package
3-oz. tin	\$.50
1-lb. tin	2.00
5-lb. tin	9.00
25-lb. pail	37.50
100-lb. drum	145.00
300-lb. drum	420.00

CERESAN

A Dust Disinfectant for Wheat, Oats, Barley and other Cereals

Sizes of Packages	Retail Price Per Package
8-oz. tin	\$.50
1-lb. tin	.75
5-lb. tin	3.00
25-lb. pail	12.50
100-lb. drum	49.00
300-lb. drum	144.00

Mulching Paper

The new and tried method of conserving moisture, increasing the value of fertilizers used, maintaining uniformed temperature and flow of moisture. Warms the ground, kills all weeds and wild growth, prevents evaporation of the soil, increases plant growth and vigorous rootage, insuring to a large extent against loss of planted crops. Trials by the U. S. Dept. of Agriculture in the use of Mulching Paper between rows of plants and also where plants were set out through the openings in the Mulch Paper have proven very successful. Big labor saver.

Roll of 900 sq. ft. \$3.50



Write U. S. Dept. of Agriculture for a Bulletin.

"HOTCAPS"

New Method of Plant Protection

Matures crops earlier; shields plants from wind and rain; protects them from frost and insects; keeps dirt soft—miniature "hot-houses"! A revolutionary device that saves farmers much in time, labor and money. Write us for details and prices.

Catalogue Prices

1 roll	\$10.75
5 rolls	per roll 10.00
10 rolls	" " 9.75
25 rolls	" " 9.50
"Hotkap" Setter	2.75
"Hotkap" Carrier	2.75



Field of Ebeling's Silo Filler Sweepstakes Ensilage Corn,
grown by John R. Frost & Son, Munnsville, New York
(See testimonial)

Ebeling's Silo Filler Ensilage Corn or Early Wonderful. An improved type of the old and reliable so-called Sweepstakes variety, which is also known under many other names, and which was introduced by us for the first time in Central New York in 1912, and our catalogue of that year contains description of same.

This Ensilage Corn has reached a high-water mark in quality and Silo-filling ability.

Have had many flattering letters and testimonials during the past season and we are firmly convinced that the **EBELING'S SILO FILLER ENSILAGE** or **EARLY WONDERFUL CORN** is the best and last word on Ensilage. Different farmers have said that they had more corn than their Silos would hold and sold considerable to their neighbors right out of the field.

This seed stock is very carefully selected by competent corn men, and the crops are faithfully cared for; thus producing a type of Ensilage corn best suited to the farmers' needs.

Samples on Application. We have ears of this corn weighing 1 pound when husked. **\$4.50 bu.**

Ebeling's Silo Filler or Early Wonderful Ensilage Corn is also known as West Branch Sweepstakes, Giant Ensilage, The Abbot West Branch, Lancaster, Sure Crop, Mennoite Ensilage, "Mohawk Chief" Ensilage, Syndicate Special Ensilage, Rising's Gold Dollar, Excelsior, Central Pennsylvania, Lycoming County Sweepstakes Ensilage, and other names. The corn that makes the farmer prosperous. Makes the ensilage in eighty days. Fully ripened and glazed in ninety days

ENSILAGE VARIETIES

Luce's Favorite. A large, leafy ensilage corn producing considerable grain. This is widely used in New York State. Bu. **\$3.75.**

White Cap Yellow. This strain matures slightly earlier than Cornell No. 11, having a smaller ear. A good husking sort of yellow grain. Bu. **\$3.25.**

Cornell No. 11. A yellow Dent Corn developed by Cornell University. Bu. **\$3.75.**

Golden Glow. Used for silage in Northern New York where the shorter growing seasons prevail. Resembling Cornell No. 11. Good husking corn. Bu. **\$3.50.**

Pride of North. Corn similar in type to Leaming. Makes silage and considerable grain. Not a husking sort. Bu. **\$2.75.**

Leaming. A large growing variety producing large tonnage of fine ensilage. Bu. **\$2.75.**

Iowa Gold Mine. Deepest grained, pure yellow corn ever grown. Bu. **\$3.00.**

Late Eureka. The Genuine Virginia-grown selected strain of late Eureka—well liked by those who desire a large tonnage. It will make no grain. Bu. **\$3.75.**

HUSKING VARIETIES

Angel of Midnight. Extra early 8-row yellow flint corn. Ears of medium size. A splendid yielder for one so early. Bu. **\$3.75.**

Canada Smut Nose. It is an 8-rowed medium late with a splash of a reddish blush over the tip of the ear.

Longfellow. This is well named, being the longest

8-rowed yellow flint corn known. Is medium late. Bu. **\$3.75.**

King Phillip Flint. An excellent strain of a very early maturing Flint corn. It produces a good yield of red grain on slender eight-rowed ears. Bu. **\$3.75.**

Sanford White Flint. A large long-eared 8-rowed sort. Big white kernels, small cob, biggest yielding sorts known. Late sort. Bu. **\$3.75.**



This shows a field of our Silo Filler or Early Wonderful Sweepstakes Ensilage Corn, grown by Eisenhut Bros., Deansboro, N. Y. (See testimonial)

November 20, 1928

Mr. EBELING

Dear Sir:

The "Ebeling's Silo Filler Sweepstakes Ensilage Corn" which we had of you last spring, filled our silos, and we had one field of about six acres which we left standing in order to get husking corn, and for which we built an extra Silo. Some ears were so high that we could not reach them. Ears were large, and fine. I never saw such fine husking and ensilage corn.

This field averaged 14 to 16 ft., and we could hardly walk through the rows. It looked like "A little forest of corn" and attracted much attention.

This picture was taken November 14, 1928.

You may book our order for our next year's seed.

Yours truly,

J. R. Frost & Son, Munnsville, N. Y.

Dear Sir:

November 9, 1928

The corn we had of you was very satisfactory. It grew fine and big with lots of ears and filled our silo good and full. I gave you an order for our corn for another year when you were here last.

We consider "Ebeling's Silo Filler Sweepstakes" the best of all Ensilage corn.

Yours truly,

Emil Lehner, Munnsville, N. Y.



L. O. Anson, Westmoreland, N. Y., Field of "Ebeling's Silo Filler Sweepstakes Corn" (See testimonial)

November 26, 1928

FRED WERTHMAN, Whitesboro, N. Y.—said that "he filled his Silo—14 x 24—from a field planted with 2½ bu. of Ebeling's Silo Filler Sweepstakes Ensilage Corn."

He was greatly pleased and will plant again another season the same variety.

GEORGE OLCOTT, Fabius, N. Y.—says "I had Osborne Corn Harvester bought of you fifteen years ago—constantly in use. I have cut so far 1224 acres and expect to cut 45 to 50 acres more this season. Total cost of repairs not over \$6.00. Can you beat this for service?"

(See picture)



Field of our "Silo Filler Sweepstakes Corn" grown by William Judd, Peterboro, N. Y.

September 29, 1928

Dear Sir:

The "Ebeling's Silo Filler or Early Wonderful Corn" which I purchased of you this year I planted on June 20th and I am sending you a few stalks which grew some 15 ft. high. This speaks for itself.

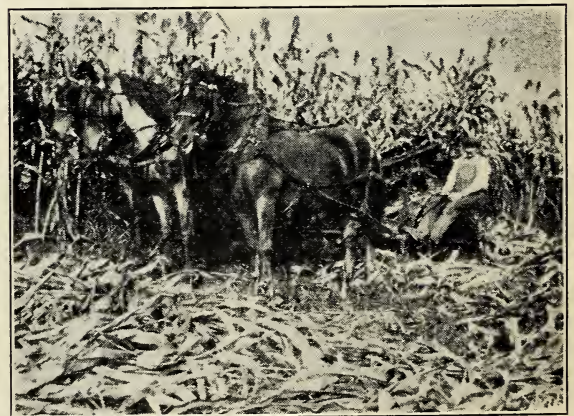
I am well satisfied that this is the best Ensilage corn any farmer can grow. I can recommend it for fine germination and vigorous growth. I just gave your agent my order for 1929.

Very truly,

Wm. Roberts, West Edmeston, N. Y.

EISENHUT BROS., Deansboro, N. Y.—said that "our Ensilage Corn 'Ebeling's Early Wonderful Silo Filler' grew the finest and biggest crop of Ensilage Corn they had ever grown." In fact they had so much that they could not get all into their Silos. Will plant the same kind again for 1929.

(See picture of corn on this page)



"George Olcott" on his old Osborne Corn Harvester (See testimonial)

ALBERTA CLUSTER OATS

The Famous, Heavy Yielding, Hardy Variety From the Great Northwest

These oats were grown and shipped to us direct in car lots of about 2000 bushels, from that wonderful Alberta country of the Great Northwest. The soil is a deep, heavy, rich loam, free from foul weeds, and which produces the very best of all grain crops. These oats have captivated the modern grain-growing farmer in every part of the country because they have proved themselves a big success. It's well known that seed oats in the Alberta country are unequalled in hardiness, height, yield, vigor, in freedom from rust and from foul seeds. Canadian growers are extremely careful in seed selection and the

Canadian Government through its rigorous seed laws, has greatly benefited our American farmers. It is safe to say that a more profitable variety of oats was never offered before in Central New York.

The two main handicaps in the growing of oats are foul weeds and the sowing of degenerated oats. Both problems are solved by our Alberta Cluster Oats. These oats constitute a remedy for the farmers who have had trouble with their annual yield because they have continued to sow run-out and run-down sorts year after year. Alberta Cluster Oats compare with the majority of seed oats in the same way that a blooded Holstein compares with a common scrub animal.

**Kernels very plump—
Weigh up to 45 Lbs. to Bushel.**

These oats yield from 75 to 100 bushels to the acre. They have big, strong, stiff straw that stand up well on any ground. Their clustered heads are 12 inches long and ripen early. **\$1.75 per bu.**

To Prevent Smut in Oats. Formula.—1 pt. of formalin to 20 gal. of water, wet 20 bu. (or in that proportion) of oats with this solution, mix thoroughly by shoveling, then pile in a mound, cover up well with blankets, etc., for 12 hours. This forms a gas that will destroy the Smut germ. After 12 hours spread out the Oats to dry. They will then be ready for sowing.



Alberta Cluster Oats



Field of our wonderful ALBERTA CLUSTER OATS, grown by Allen Nelson, Smyrna, N. Y. "These oats are the biggest yielder. Most profitable and hardiest of all varieties. Sow only Ebeling's genuine Alberta Cluster Oats."



This field of ALBERTA CLUSTER OATS was grown by Leo Geisman, Norwich, N. Y.

Special prices for 10 bushel lots or more. Ask our agents or write us

MARQUIS SPRING WHEAT

Marquis Spring Wheat is the leading Spring Wheat Variety grown in the U. S.

Price \$3.85 per bushel.

We refer to Mr. Chas. J. Beebe of Waterville, who will verify our statement.

Picture of Mr. Beebe's field shown herewith.

Safe Parking

Farmers will save money by going to our warehouse, 538-540 Canal St. and Erie Blvd. We have plenty of parking space where your machines can be left in safety. Anything in our line—not found at our warehouse—can be promptly obtained from our store, 217 So. Warren St. and will be delivered at once to our warehouse.



ASPARAGUS

Spargel (Gr.)

Sparagio (It.)

Culture—Sow early in spring in rows one foot apart; when one year old the roots may be taken up and transplanted in permanent beds, which should be made by taking out the soil to a depth of about 16 inches, fill in with six inches of well rotted stable manure, then six inches of soil somewhat firmed, and place the roots on the same about 10 inches apart with the roots well spread out and cover so that the crown will be about four inches below the surface.

Mary Washington Asparagus. This is a selection from the Washington showing a marked improvement in every respect. It is much larger than the ordinary strain and is some earlier. Tips very compact and a rich purplish-green. The whole stalk, from base to tip is remarkably tender. Pkt. 15c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50.

Washington. A vigorous growing and very productive variety. The most uniform in type of any of the so-called rust resistant varieties. The shoots are large, of excellent quality, rich deep green color, tinted somewhat with purple at tips.

SEED—Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.75.

Palmetto is early, a fine yielder, even and regular in its growth. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

Barr's Mammoth. The fine old reliable sort. Pkt. 10c; oz. 15c; lb. \$1.25.

SEED—Pkt. 10c; Oz. 25c; ¼ lb. 75c; lb. \$2.75.

Roots of Above Varieties at \$2.00 per 100. Can furnish in one and two-year roots.

BEANS—Dwarf Wax Varieties

Bohnen (Gr.)

Faginoli (It.)

Culture—Beans should not be planted until the ground is warm, as cold and wet weather will cause the seed to rot. For garden culture plant four or five seeds in hills one foot apart and the rows 18 inches apart. For field culture make the rows three or three and one-half feet apart, and cover with two inches of mellow soil. Do not hoe or cultivate while the plants are wet with dew or rain, as getting the leaves bespattered with earth causes rust, which injures the crop.

Pencil Pod Wax. This comparatively new wax podded bean is particularly handsome, also medium early, hardy and very prolific. Leaves roughened. Pods long, five and one-half to six inches, straight, round, fleshy, and of a bright yellow color; tender, absolutely stringless and of excellent quality, and are produced through a long season. One of the best for home use and near markets. Seed long, round, medium sized; color solid black. Lb. 45c; 2 lbs. 80c.

Davis Wax. A very hardy and productive variety, desirable where a wax-podded, white seeded, mid-season sort is wanted. Vines very vigorous. Pods are invariably long, six and one-half to seven inches, light yellow; seed kidney-shaped. Lb. 45c; 2 lbs. 85c.

Improved Black Wax This variety takes the place of the old black wax or butter bean and is much better in every respect. Vines medium sized, with small foliage, very vigorous, hardy and productive, maturing

about midseason, well up from the ground, fleshy and of a light golden yellow, and remain a long time in condition for use as snaps. Lb. 45c; 2 lbs. 80c.

Round Pod Kidney Wax. This midseason variety is exceedingly handsome and very desirable for the home garden. Vines dwarf, spreading and productive. Pods long and round, wax-like, stringless and of the best quality. Uniformly perfect. Medium-sized, white, with a little dark marking about the eye. Lb. 40c; 2 lbs. 70c; bu. \$15.00.

Improved Golden Wax or Detroit Wax. Vines a little more upright and hardier than the Golden Wax. The handsome deep yellow pods are about five inches long, broader and flatter than Golden Wax. Seed medium size white with dark brown to black markings. Lb. 45c; 2 lbs. 85c; bu. \$15.00.

Beans—Pole—Green Pod

Kentucky Wonder. This remarkably vigorous growing, green podded pole bean has very long pods somewhat broad, very fleshy and quite stringless as snaps. The mature pods are often eight to nine inches in length. Its earliness and hardness commend it as a pole bean. Large green pods are unexcelled in quality by any green podded bean of its class. ½ lb. 20c; lb. 45c; 2 lbs. 80c.

Scarlet Runner. Brilliant scarlet flowering ornamental pole bean. ¼ lb. 15c; lb. 50c.

White Runners. Same as Scarlet Runner, only white. ¾ lb. 15c; lb. 50c.

Beans—Dwarf Green Podded Varieties

Bountiful. For the market gardener this is one of the popular varieties. Pods are medium size, green and flat; an excellent snap bean. Dry beans are yellowish brown color. Lb. 55c; 2 lbs. \$1.00.

Black Valentine. A very hardy and productive green podded sort with strong, vigorous vines. The pods are nearly round or slightly flattened but very handsome. A large crop can be depended on and the product is very attractive on the market. It is very extensively used for shipping. The pods are medium dark green and about six inches long. Seed small to medium sized, black, oblong, slightly flattened. Lb. 50c; 2 lbs. \$1.00.

Giant Stringless Green Pod. A very desirable green podded snap sort for the home garden and largely grown for the market. Vine is vigorous, spreading and productive. Pods are dark green, five to six inches long, crisp and tender. Lb. 50c; 2 lbs. \$1.00.

Red Valentine Extra Early Round Pod. For snaps there is nothing superior to this variety among the dwarf green podded sorts both for home and market garden and many prefer it to the wax varieties. Vines medium to large, erect, with dark green leaves. Pods medium length, about four and one-half inches, curved, cylindrical, with crease in back, very fleshy, crisp and tender. Lb. 50c; 2 lbs. 90c.

Refugee, or 1000 to 1. Of compact growth and very prolific. The pods are light green, very solid and tender. Lb. 35c; 2 lbs. 60c.

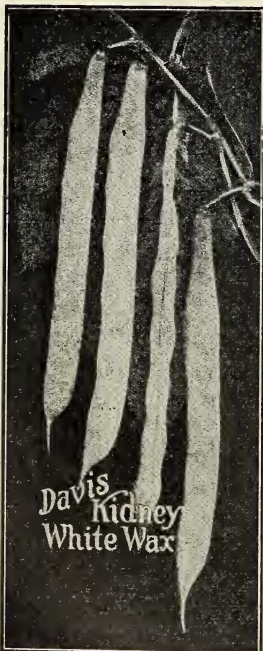
Dwarf Horticultural. Vines very productive, compact, upright, with large leaves. Pods five to five and one-half inches come fit for use as green shelled beans early and in this condition the beans are very large, easily shelled and are about equal to the Lima in quality. One of the best sorts for green shell beans for home and market. Lb. 50c; 2 lbs. 90c.

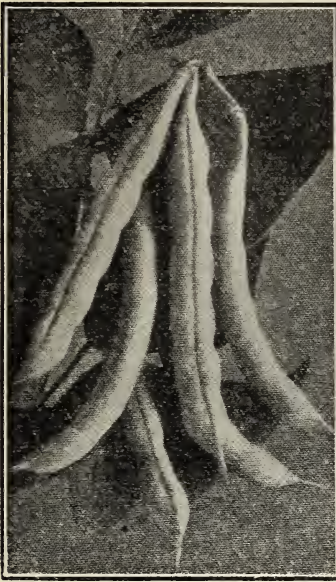
BEANS

Pea, per lb.	20c
Marrow, per lb.	25c
Navy, per lb.	25c
Imperial, per lb.	25c
White Kidney, per lb.	25c
Red Kidney, per lb.	25c

Special Prices on Bushel Lots

All Prices Subject to Change Without Notice
Plant during the Moon Period for best results





Giant Stringless Green Pod

Beans—Dwarf or Bush Lima

Dreer's Bush Lima. A dwarf variety of the Dreer's Improved Lima. The beans grow close together in the pods, producing 3 to 4 and sometimes 5 in a pod, and are thick, sweet and succulent. Lb. 45c; 2 lbs 80c.

Burpee's Bush Lima. True bush form of large white Lima, bush 15 to 20 inches high, 24 to 30 inches diameter, supported by its own thick stems. For productivity and quality of beans it is not surpassed. Lb. 45c; 2 lbs. 85c.

Fordhook Bush Lima. An improved dwarf Lima of the Kumerle type. This lima is vigorous and erect growing, bearing well above the ground. The pods, which are produced in large clusters, are medium green, about four and three-fourths inches long, and contain three to five large beans. Lb. 50c; 2 lbs. 90c.

Broad Windsor. An old-fashioned English shell bean. This bean is very hardy; it should be planted as early as the ground will permit, three or four inches deep in rows three feet apart, and plants four feet apart in row. Dry beans very large and yellowish green. Oz. 10c; lb. 70c.

Scarlet Runner, Pole. Largely grown as an ornamental, for its attractive flower clusters. The shelled beans are quite palatable and serve the same as Limas. Pkt. 10c; ¼ lb. 15c; lb. 50c.

Beans—Pole Lima

King of the Garden Lima. Vines very vigorous and productive. Pods five to six inches long, filled with four or five immense white beans of the finest quality. On account of its large pods it is a favorite with market gardeners. It will come into bearing sooner and will make larger pods if not more than two vines are left to grow on a pole. Lb. 40c; 2 lbs. 70c.

Early Jersey Lima. Matures a few days earlier than the King of the Garden, and is very productive. The pods contain from three to four large beans, and the quality is good. Lb. 40c; 2 lbs. 70c.

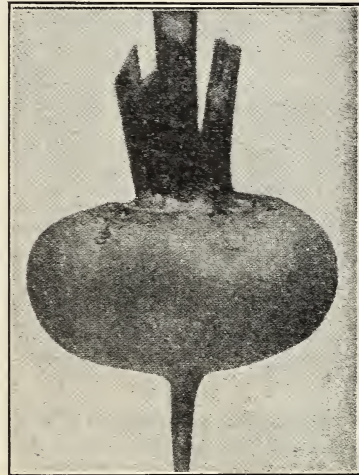
BEETS

Ruebe (Gr.)

Barbabetola (It.)

The best results are obtained on a deep, rich, sandy loam. If wanted very early, sow such sorts as Crosby's Egyptian or Detroit Dark Red in hotbeds and transplant, cutting off the outer leaves. For general crop sow in freshly prepared soil as soon as the ground will permit, in rows eighteen inches apart covering about an inch deep and pressing the soil firmly over the seed. For winter use the turnip varieties may be sown in June so as to mature late in the season.

Extra Early Egyptian Blood Turnip. The best variety for forcing and excellent for first early crop out of doors, being very early with small tops. Root very dark red, moderately thick, a little rounded on top, distinctly flat on the bottom, and about two inches in diameter when mature. Flesh dark purplish red, zoned lighter shade. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00. (Same as Albani Beet.)



Extra Early Egyptian Blood Turnip

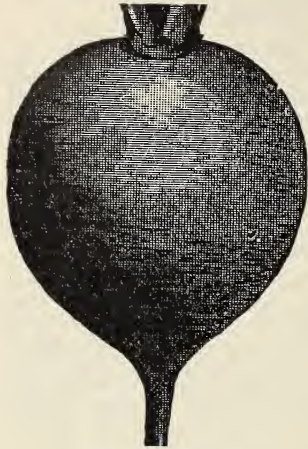
Albani. Turnip shaped. Bright scarlet color, very early open ground variety, a good buncher. (Same as Early Egyptian Blood Turnip.) Oz. 15c; ¼ lb. 30c; lb. \$1.00.

Early Eclipse. An early beet especially desirable for the home garden. Tops small. Root bright deep red, smooth, round. Flesh bright red, zoned with pinkish white; very sweet, crisp and tender. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

Crosby's Egyptian, Special. This special selection is valuable both for the private gardener and the amateur, on account of its reliability to produce a uniform crop of best quality. In the production of this seed, selection is not only made for shape, but also for extreme earliness and high quality. The skin is very smooth, bright red and flesh-vermillion, very sweet and tender. Oz. 15c; ¼ lb. 35c; lb. \$1.25.

Detroit Dark Red. We believe this is the best beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. Tops small, upright in growth. Very smooth and of dark blood red color. Flesh is deep vermilion-red, zoned with a lighter shade of the same color. Careful comparisons with all the prominent varieties on the market in this country and in Europe prove that the Detroit Dark Red Beet is the most uniform in shape and size and the most attractive in color. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.35.

Special Cash Discount to Market Gardeners

**Detroit Dark Red**

globe-shaped, with a very smooth skin, and an exceedingly small tap root, fine-grained, sweet in flavor, and tender at all times. The foliage is small, admitting of close planting. Not only a market gardener's sort, but one of the best for the kitchen garden, as it is extra early. Pkt. 10c; oz. 15c; lb. \$1.25.

Swiss Chard. (See Kale Beets.) This kind of beet is grown exclusively for the numerous fleshy, tender leaves and leaf stalks, which are superior to those of other beets for use as greens. Later in the season the wax-like leaf stems are cooked like asparagus or are pickled. This variety we offer has large, broad, undulated leaves of attractive yellowish green color, and very large, broad white stalks and midribs or chards. It is well worthy of a place in the home garden as well as for market use. Swiss Chard is sometimes called Leaf Beet, Spinach Beet and Silver Beet. Pkt. 10c; oz. 15c; lb. \$1.00.

Mangel Beets, Mangel Ruben

Golden Tankard. A smooth, yellow fleshed Mangel. The roots are of large diameter, tapering quickly at the bottom, which is quite broad, with only a small tap-root. It grows largely above the soil and is easily harvested. It yields enormous bulk on good land and can be sown closely in rows. Oz. 10c; ¼ lb. 20c; lb. 60c.

Mammoth Long Red. This is a heavy cropper and a large yielder. The roots grow from one-half to two-thirds above the surface, and are frequently two or more feet in length by six inches usual diameter. Dark, richly colored foliage, skin dark red, flesh white with veined rings of rose pink. Same as Norbiton Giant. Oz. 10c; ¼ lb. 20c; lb. 60c.

Danish Sludstrup Mangel. This most wonderful Mangel is a long, reddish yellow root but not so long as the Mammoth long red, it grows more above ground, is very easily harvested, and requiring but little exertion to pull same. They frequently weigh from 15 to 20 lbs. Oz. 10c; lb. 60c.

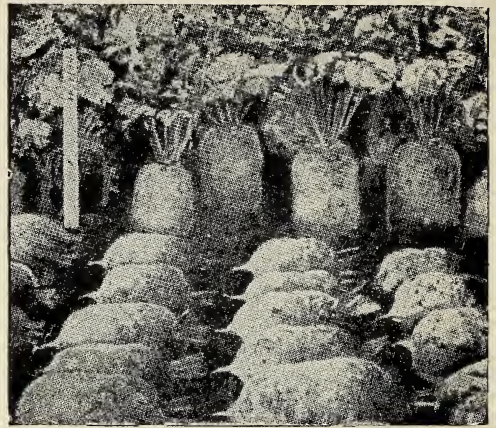
Ideal Sugar Mangel Beet. The illustration faithfully shows the shape of this wonderful Mangel. It is a perfect chunk of a beet, being as large at the bottom as at the top. Stands two-thirds above ground. Is easily harvested even on hard soils. This new and original Mangel has been tested alongside thirty other Mangels and by strict laboratory tests on trial grounds and field demonstrations, has proved to be IDEAL and surperior in quality. Lb. \$1.50; 10 lb. \$12.50.

- A. Contains the greatest amount of sugar of any mangel.
- B. Grows high above the ground.
- C. Skin ^{is} flesh light yellow.

- D. Greatest yield of saccharine dry matter.
- E. Very easy to harvest.
- F. Best keeper.
- G. Splendid ensilage.
- H. Has yielded 25 tons to the acre.

Beet—Early Wonder. A deep blood red beet, nearly globular, with small, clean tap-root and small sized top. One of the earliest and most uniform bunching beets on the market. A field of Early Wonder Beets will mature so evenly that the crop may be harvested at one time. Pkt. 10c; oz. 20c; lb. \$1.25.

Crimson Globe. A perfect beet in all respects; brilliant crimson in color,

**Ideal Sugar Mangel**

The value of this Mangel for stock feeding cannot be over-estimated. No one who keeps horses, sheep or cattle should be without these roots for winter feeding.

BROCCOLI

Spargelkohl (Gr.)

Broccoli (It.)

Italian Green Sprouting Broccoli. A very useful variety recently introduced from Europe and very popular here. It is quite distinct from the white heading broccoli. The plants are rapid growing and produce a large head at center of plant in about ninety days from date of planting. The head is a compact cluster of tightly closed buds and resembles cauliflower only in shape as the color is dull bluish-green. It is used without blanching and ready for use as soon as fully developed. After this central head is removed the plant produces many branches, each bearing smaller terminal and lateral heads which are fully as desirable as the first head produced. If these heads are gathered as soon as they become large enough for use, the plant will continue to produce for a period of eight to ten weeks. Quality fully equal to cauliflower and by some considered superior. The secondary heads are four to six inches in length and these stems are fully as desirable as the heads. Served same as asparagus.

It is adapted to growing in spring, summer or fall, and is certainly much more easily and successfully grown in the northern states than cauliflower or Brussels sprouts. Pkt. 10c; oz. \$1.00; ¼ lb. \$2.75.

Purple Cape. Pkt. 10c; ½ oz. 40c; oz. 75c.

Early Large White French. Hardy, vigorous and easily grown. Heads white. Pkt. 10c; oz. 70c.

**Italian Green Sprouting Broccoli**

BRUSSELS SPROUTS

Rosenkohl (Gr.) Cavoli di Bruxelles (It.)

This vegetable is used in the fall and early winter and by some considered more tender and delicious than any cabbage. Resembles the cabbage, the edible part being the numerous very small heads or sprouts an inch or two in diameter.

Improved Half Dwarf. The most useful variety, one and one-half to three feet high. Pkt. 10c; oz. 20c.

CABBAGE, Kopf-Kohl

Early Jersey Wakefield. The best early cabbage in cultivation. Forms fine solid heads of good size,



Early Copenhagen Market, from actual photograph

pointed heads with few outer leaves. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$4.00.

Succession. We consider it one of our most valuable contributions to horticulture. It would be classed as a second early variety, coming in a few days later than Early Summer, but double the size. Pkt. 10c; oz. 25c; lb. \$3.00.

Mammoth Rock Red. While late in maturing this has the largest heading of all the deep red varieties. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; lb. \$4.00.

American Drumhead Savoy. The best of the late Savoys for house use or for the market. The plant is robust with short stem. Is very much curled or wrinkled. A sure header of large size and the best

Golden Acre. It resembles the "Copenhagen Market," head perfectly round, and leaves saucer-shaped. It matures ten days earlier than Copenhagen Market. THE GOLDEN ACRE begins to form head as soon as the leaves have reached the size of a saucer and the growth may be observed almost from day to day. It matures in eighty days from date of sowing, and no other cabbage, including the earliest Jersey Wakefield, has proven as early. We believe it to be the earliest cabbage in existence. Average weight is 5 lbs. Occupies only 20-inch space. Pkt. 10c; oz. 60c; $\frac{1}{4}$ lb. \$2.00.

Copenhagen Market. This new Danish cabbage is the largest and earliest ball-shaped variety known. Heads very solid, of wonderful quality, with small cores and weighing from 10 to 15 pounds. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.00.

Glory of Enkhuizen. A very large early cabbage, heads nearly round, very solid, and which has proved to be one of the most profitable of the early market cabbages. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

Danish Ball-head. Short stemmed. We consider this the best strain of Danish cabbage. The heads are large, almost perfectly round, very hard, solid and of good deep green color. This strain of seed produces larger heads and consequently heavier yields than the old style Danish cabbage. A number of large fields in this locality have yielded as high as 22 tons per acre. There is no finer strain than this. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.00.

Flat Dutch. A fine, very large, late winter variety. Very popular on account of size, quality and yield. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.50.

Late Drumhead. One of the old-fashioned big growing sorts. So well known that a description is unnecessary. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00.

of the Green Globe Drumhead Savoy. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. \$1.00; lb. \$4.00.

Pe-Tsai. This fine vegetable resembles Cos Lettuce. The head is large and compact, and all but the outer leaves blanch a creamy white. Very crisp and tender, and in every way adapted for the home garden. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.00.

Remedy for Cabbage Worms. One quart salt, mix with one tablespoon Cayenne Pepper. Sprinkle moderately into heart of cabbage. Apply once a week for several weeks. Will keep worms off and produce perfect heads. Formula given by Mr. John Huller, 507 Erikson Avenue, Eastwood, N. Y.

CARROTS

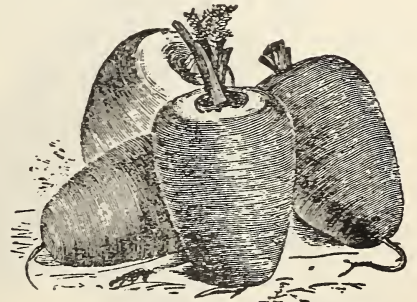
Carotten (Gr.)

Carota (It.)

Carrots to grow to perfection require a deeply cultivated, rich and well pulverized soil. Sow early in the spring as soon as the soil is fit to work, in drills 15 to 18 inches apart, covering one inch deep, and press the soil firmly over the seed. If desired to cultivate with horse, make rows three feet apart.

Early French Forcing. The earliest variety in cultivation and the best suited for forcing. Tops small, finely divided. The red-dish-orange colored roots are nearly round. When fully matured they are about 2 inches in diameter, but should be used before they are full grown and while young and tender. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

Early Short Horn. Excellent for early planting out of doors. Tops small, coarsely divided; roots topshaped, but tapering abruptly to a small tap; skin orange-red. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.



GUERANDE OR OX HEART CARROT

Special Cash Discount to Market Gardeners



DANVERS CARROT

Guerande, or Ox Heart. Tops small for the size of the roots which are comparatively short but often reach a diameter of 5 inches, terminating abruptly in a small tap root. Flesh bright orange, fine grained and sweet. This variety is especially desirable for soil so hard and stiff that longer rooted sorts would not thrive in it. When young excellent for table use, and when mature equally good for stock. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Danvers. Grown largely on account of its great productiveness and adaptability to all classes of soil. Tops of medium size, coarsely divided. The smooth and handsome roots are deep orange of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, tender and of a deep orange color. Although the roots of this variety are short, they produce as large a bulk as the longer field sorts and are more easily harvested. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Chantenay. (Coreless) Tops medium sized; necks small; roots tapering slightly but uniformly stump rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Long Orange. The most popular of the older sorts for farm use on mellow soil. An improvement obtained by years of careful selection of the best formed and deepest colored roots. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.00.



CHANTENAY CARROT

White Belgian. Grows one-third out of the ground. Root white, green above ground, with small top. Flesh rather coarse. The roots are of large size and the variety is extensively grown for stock feeding. Oz. 10c; lb. \$1.00.

CAULIFLOWER

Blumenkohl (Gr.) Cavolfiore (It.)

The Cauliflower delights in a rich soil and an abundance of water. Sow seed for an early summer crop in February or March in a hotbed. When plants are three or four inches high, transplant four inches apart in boxes or frames. In the middle of the spring or as soon as deemed prudent, the plants may be removed to open ground. Set plants from 2 to 2 $\frac{1}{2}$ feet apart each way. For late Cauliflower sow the seed in a cool moist place about June 1st.

Early Snowball. The most popular and profitable of the Cauliflower family. Heads of uniform size, snowy white, very tender, and owing to its attractive appearance a most desirable market variety. Seed grown in Denmark. Pkt. 25c; oz. \$2.00; $\frac{1}{4}$ lb. \$6.00.



Early Snowball Cauliflower

Danish Giant or Dry-Weather. This strain of Snowball Cauliflower is especially valuable for high ground, as it is more vigorous than the Early Snowball, and stands dry weather better. The heads are a little larger than Snowball and mature a week or two later and have more leaves to protect them from sun and frost. Pkt. 25c; oz. \$2.00.

CELERY

Sellerie (Gr.) Sedano (It.)

CULTURE—Celery seed is slow to germinate, and ample time must be given. Sow thinly; cover lightly. Keep constantly moist. Count on about 7,500 plants per ounce of seed, or $\frac{1}{4}$ pound per acre. When the seedling plants are 3 inches high they should be clipped at the top, to favor stocky growth, or else transplanted. Celery is mostly grown under flat culture, without trenches, in rows 4 feet apart, 6 inches apart in row.

Columbia. An exceptionally fine, early variety, is of medium height, but very stocky. Stalks are thick, almost round, are of a rich, yellow color, and its fine flavor and crispness will please the most critical. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

Golden Self-Blanching. This is the very best celery for early use. It is in condition as early in the fall as any, and we have yet to find an extra early sort equal in quality and appearance to our stock of GOLDEN YELLOW SELF-BLANCHING. Critical gardeners and consumers generally depend upon this variety to produce their best early celery. Plants of medium size, compact and stocky—with yellowish green foliage. As they mature the inner stems and leaves turn a beautiful golden yellow, so that blanching is effected at a small expense of time and labor. Oz. 85c; $\frac{1}{4}$ lb. \$2.75; lb. \$10.00.

Sutton Pink Plume. The finest of all celery for family use. Pkt. 10c; oz. 50c.

Sutton's Solid White. The finest eating celery known. Crisp, tender, sweet; once used, creates lasting friends. Pkt. 15c; oz. 75c.



Golden Yellow Self-Blanching

Golden Plume Celery. A large early Celery of super-fine quality and appearance. Large heavy stalks with a full, solid heart of golden yellow, easy to blanch, a good keeper, and always of the crisp, brittle and nutty quality so much desired. Shows a marked resistance to blight, so often affecting the early yellow strains. Pkt. 25c; $\frac{1}{4}$ oz. \$1.75; $\frac{1}{2}$ oz. \$3.00; oz. \$5.50.

Wonderful. Authorities pronounce this the best golden self-blanching celery. Matures two to three weeks before any other and blanches in half the time required by others. Large, crisp, tender. No strings. Broad stalk, does not grow hollow, and all of it, including the foliage, is good eating. Marked resistance to blight and rust, earlier maturity, superior keeping qualities. It possesses a fine, nut-like flavor, and is handsome in appearance. We offer the raiser's original strain. Pkt. 25c; $\frac{1}{4}$ oz. 75c; oz. \$1.00; $\frac{1}{4}$ lb. \$3.00.

White Plume. A handsome very early sort. In great demand as a market celery, owing to its very attractive appearance. Requires a short time only for blanching. Leaves light green with tips almost white. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.50; lb. \$3.00.

Easy Blanching. A new variety of great merit. The habit is dwarf and compact, with light green foliage which has almost a yellowish hue. It is very easily blanched and might be termed a second-early variety, as it is ready for use to follow Golden Self-Blanching. Stalks pure white, heavy and crisp. Pkt. 10c; oz. 90c; $\frac{1}{4}$ lb. \$2.00.

Winter Queen. This is without question the most valuable variety of celery for winter and spring use, even excelling the celebrated PERFECTION HEARTWELL as a winter keeper. It is thicker and heavier with double the heart of any celery. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

Celeriac or German Celery

Large Smooth Prague. The best of all with a large smooth root of splendid quality. Pkt. 10c; oz. 25c.

CHERVIL, Curled, Gartenkerbel

Treat like parsley. A valuable flavoring herb. Pkt. 10c; oz. 30c; lb. \$2.00.

CHICORY OR FRENCH ENDIVE

Cichorien-Wurzel (Gr.) Cicoria Selvatica (It.)

Witloof. Known in restaurants as French Endive. Sown in May and June in drills. Transplant or thin to 6 inches; treat as endive, and bank up like celery. The stalks, when blanched, make a delicious salad. Pkt. 10c; Oz. 20c; $\frac{1}{4}$ lb. 75c.

ASPARAGUS CHICORY. Italian Strain. Very popular with the Italian gardeners. 30c oz; \$4.00 lb.

COLLARDS Blaeterkohl (Ger.)

CULTURE—Same as late cabbage. May be grown directly in the seed rows, or transplanted two feet

apart. Best after being touched by frost, which greatly improves flavor and tenderness.

Creole or Southern. Grows 2 to 3 feet high, and forms bunches of tender delicate leaves slightly curled at edges. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

SWEET CORN

A rich, warm soil is best for sweet corn. If planted in hills, make the hills three feet apart each way, six kernels to the hill. Hoe frequently, and when six inches high leave three or four plants in the hill.

Mammoth White Cory

We consider this the best extra early corn. Ears very large for so early a variety. Stalks about 4 feet high, each generally bearing two large, finely shaped ears twelve-rowed, 6 to 7 inches long. 1 lb. 30c; 2 lb. 60c; 100 lb. \$20.00.

Burbank Bantam Corn

(Rogers Strain). Ready for table use 65 to 70 days from planting. Stalk about 5 feet high. 50% of stalks will usually have 2 ears. Ears are longer than Golden Bantam. 12 to 16 rows but usually 14. Flavor same as Golden Bantam. Color a beautiful yellow, and a fast growing favorite among market gardeners.

Golden Bantam. A beautiful golden yellow, sweet and tender. Our new Burbank's 16-row Early Golden Bantam Sweet Corn is the last word on Early Yellow Sweetness in corn. 1 lb. 35c; 2 lb. 65c; 10 lb. \$2.50; 100 lb. \$22.00.

Golden Sunshine or Improved Golden Bantam. Lb. 35c; 50 lbs. \$11.00.

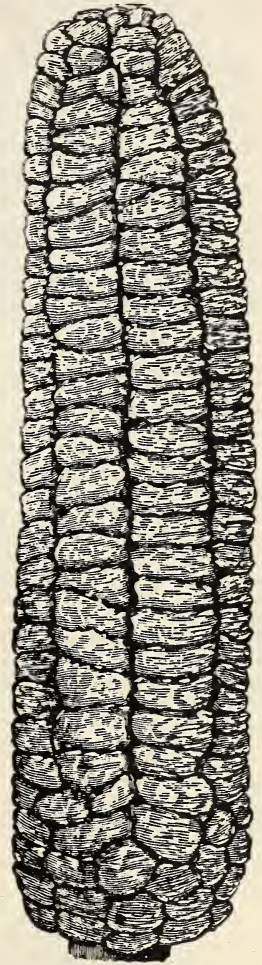
Golden sunshine is one week earlier than the Early Golden Bantam Sweet Corn. This is the Yaeger So. Dakota strain. Very fine. Unusually sweet and early.

Golden Cream.

The ears are ready for use within 85 to 90 days after seeds were sown. Grains are long and pointed, rich cream color when ready, but turn to light golden yellow when cooked. Pkt. 10c postpaid. Lb. 35c; 2 lbs. 60c; 10 lbs. \$2.50; 100 lbs. \$20.00.

Golden Giant. This is the largest of the yellow sugar varieties, the ears measuring up to 8 inches long. The cob is of small diameter, and contains twelve to eighteen rows, extremely juicy and sweet. Lb. 35c; 2 lbs. 60c; 10 lbs. \$2.50; 100 lbs. \$20.00.

Hwoling Mob. This corn originated in Ohio and it became so popular it was given the above name. The endeavor of the originator of this corn, was to get as large an ear as possible, early in the season and of sweet flavor. Generally produces two ears to each stalk. Ears 7 to 9 inches, 12 or 14 rows. The corn is pearly white, usually covered with a heavy husk



GOLDEN BANTAM CORN.

which extends well over the tip of the ears which affords a good protection from worms and birds. 1 lb. 30c; 2 lb. 50c; 10 lb. \$2.25.

Black Mexican. This corn, when in condition for the table, cooks a bluish black. It is surpassed by none in tenderness and is a most desirable second early sort; ears about 8 inches long, usually eight-rowed. 1 lb. 35c; 2 lb. 60c; 10 lb. \$2.50.

Golden Evergreen Sweet Corn. New variety, extra fine, very sweet and tender, and keeps in eating condition longer than most sweet corns. Ten days to two weeks earlier than Stowell's Evergreen. A cross with Stowell's Evergreen and Sweet Orange, which is a second early, yellow, very tender and extra sweet variety. Golden Evergreen has a medium sized ear and stalk, making it a desirable sweet corn for market gardeners. Originated a few years ago by Charles Coolidge, a market gardener of Ontario County, New York. Took first premium at the N. Y. State Fair, in 1916 and 1917, only times exhibited. 1 lb. 35c; 2 lb. 65c; 10 lb. \$3.00.

Early Evergreen. We have tested many samples of Evergreen corn that were claimed to be earlier than Stowell's Evergreen and to be just as good, but we have never found any of them so valuable as the stock of this variety we offer. It has been proven both on our trial grounds and in the field to come into fit condition for use much earlier than Stowell's Evergreen and to remain in condition quite as long. Ears about seven inches long, with fourteen to twenty more or less irregular rows with very deep grain which is of the very best quality. Plants average from six and one-half to seven feet high and in ear resemble those of Stowell's Evergreen, but differ in earliness and we think are more uniform. A standard main crop variety for home garden and market; also well adapted for canning. 1 lb. 30c; 2 lb. 50c; 10 lb. \$2.50.

Stowell's Evergreen. This standard main crop variety excels all other late sorts in sweetness and productiveness. It is more popular than any other for canning, for marketing and for the home garden. Great care has to be exercised in the selection of stock to grow seed from, as this variety has a tendency to deterioration and a shorter grain, which makes it less sugary and desirable. We have a large and growing trade among canners and market gardeners who must have a genuine Stowell's Evergreen, and our stock is known as the safest for all purposes. 1 lb. 30c; 2 lb. 60c; 10 lb. \$2.25; 100 lb. \$20.00.

Country Gentleman. There is no sweet corn that compares with the Country Gentleman for sweetness. It is the variety par excellence where quality is desired. Market gardeners who make a specialty of growing for hotels and high class restaurant trade use this as a main crop in preference to any other. For home use it will be found superior and it is very productive. The fact that it is a favorite variety with canners proves its merit. 1 lb. 30c; 2 lb. 60c; 10 lb. \$2.50.

	Pkt.	½ lb.	1 lb.
POP-CORN			
Queens Golden.....	\$.10	\$.20	\$.30
Little Buster or Japanese			
Hulless.....	.10	.20	.30
Black.....	.10	.20	.30
White Rice.....	.10	.20	.30

CORN SALAD
 Feldsalat (Gr.) Valeriana (It.)
 Large round leaved or small seeded. Oz. 15c; lb. \$1.50.

CRESS or Peppergrass, Kresse
 Kresse (Gr.) Agretto (It.)
 Cress. Fine for salads. Garden curled. Oz. 15c; lb. 85c.
 Water Cress, Dwarf. Fine curled, grows in shallow water. Pkt. 10c; oz. 45c; ¼ lb. \$1.25.

CUCUMBERS

Gurken (Gr.)

Cetriolo (It.)

Culture—Flourish best in a rich, warm, sandy loam. Sow when danger of frost is over in hills four or five feet each way. As the young plant has many enemies sow thickly half an inch deep, and thin out finally to three

or four plants to the hill. Use one ounce of seed to 75 hills, two to three pounds to the acre. Gather cucumbers by cutting, not tearing. Leave none to ripen if you want a full crop.



The Above Shows the True Type of Cucumbers

No. 1, Early Cluster; 2, Long Green; 3, Early Frame; 4, Early Russian; 5, White Spine

Early Cluster. An early and very productive variety. Fruit small, thick at the end, dark green, but lighter at blossom end, borne in pairs or clusters and largely near the root. Used to some extent for pickles. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Special Cash Discount to Market Gardeners

Early Fortune. Slightly longer than "Arlington White Spine," more cylindrical in shape, with very dark green skin and thick flesh, which is tender and crisp, making it especially good for slicing. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

White Spine Improved, or Arlington. Great bearer; standard for outdoors. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Davis Perfection. A distinct variety of the hardy White Spine type. Fruit large, symmetrical, dark green and thickly set with fine spines. Though especially recommended for pickling, it is valuable for slicing, being of excellent quality. Vine vigorous, prolific, bears a long time. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Long Green. Fruit from 10 to 12 inches long, dark green, very firm and crisp. It is used largely for slicing, but on account of its firmness and crispness is popular with some for pickling and is especially desirable, when mature, for sweet pickles. Vine of strong, vigorous growth, and productive. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

Boston Pickling. A favorite for pickling. Medium size; smooth; light green; productive. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

Chicago Pickling. This variety is preferred above all others by some of the largest pickling establishments in Chicago and elsewhere. It is one of the best for the purpose, combining almost every good quality and being alike satisfactory to grower and pickle maker. I have a choice strain of this seed. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Japanese Climbing. Vigorous grower, with strong, grasping tendrils which enable it to climb trellis, netting or brush. Fruit of good size. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 60c; lb. \$1.75.

Rollison's Telegraph. A standard greenhouse variety English greenhouse grown stock. $\frac{1}{2}$ pkt. 30c; pkt. 50c.

Small Gherkin. A curious, rough little cucumber, used exclusively for pickling, for which purpose it is in high favor. Makes handsome pickle of first-class quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.75.

DANDELION

Broad-Leaved. Extra selected with large broad leaves. An excellent and healthful salad plant. Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$2.00.

Common. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.00.

Dill Mammoth. An annual aromatic herb with warm pungent taste. Seeds are used for seasoning. Its largest use is for making Dill pickles. Two to three feet high. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

EGG-PLANT

Eierpflanze (Gr.) Petronciano (It.)

CULTURE—Plant the seed in March in a hotbed, or, for family use, in flower pots in a warm window. Transplant in open ground after weather has become warm and settled, in rows two feet apart each way. Require rich soil.

Black Beauty. Considered the earliest of the large fruited varieties. Color, a rich purple. Pkt. 10c; oz. 50c; 4 oz. \$1.50.

New York Improved Purple. Surpassing all in size of fruit. Standard market sort. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.40.

ENDIVE

"Escarolle" Endivien (Gr.) Endivia (It.) Broad Leaf

CULTURE—Sow as soon as the ground can be worked, in drills 15 inches apart, and thin plants to 6 to 8 inches in a row. To blanch the leaves, gather them carefully together when perfectly dry, and tie with matting or any soft fibrous material. The leaves are very highly esteemed for use as salads. One ounce will sow 150 feet of drill.

London Green Curled. A standard sort. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

White Curled. A beautiful variety, with leaves as finely curled or mossed as the preceding, but of an attractive light green color. Blanches easily and has a most delicious and crisp flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

Broad Leaved Batavian. A large summer variety. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.50.



Endive

Fennel, sweet, see Herbs.

Garlic. KNOBLAUCH (Gr.) Sets, lb. 60c. AGILO (It.)

HERBS

Aromatic, medicinal and pot herbs. See page 25.

HORSE RADISH

Roots per doz. 50c; \$3.00 per 100.

KALE or Borecole

Blaetterkohl (Gr.) Cavolo rapa (It.)

Sow in May and transplant in June, and treat generally as for cabbage.

Dwarf Curled Scotch. A standard variety. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Tall Green Curled. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

KOHL-RABI

Knollkohl (Gr.) Cavolo rapa (It.)

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

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

LEEK—American Broad Flag

Lauch-Porree (Gr.) Porro (It.)

Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

LETTUCE

Kopfsalat (Gr.) Curled Sorts Lohuga (It.)

CULTURE—Lettuce thrives on nearly all soils, but because the growth should at all times be rapid to insure crispness and best flavor, the soil should be heavily enriched and well worked before planting. Lettuce being quite hardy, sow as soon as ground can be fitted.

Simpson Early Curled. (White Seeded)—A very extensively used early loose leaved or clustering variety. Leaves light green, slightly frilled and much blistered. Crisp, sweet and tender. Especially adapted for thick sowing. Very fine for poultry feeding. Pkt. 10c; oz. 15c; lb. \$1.75.

Grand Rapids. (Black Seed)—As a greenhouse forcing lettuce this stands at the head of the list. Quick growing, very hardy—not liable to rot. The plant is upright, forms a loose cluster of large thin bright green leaves, savoyed, finely crumpled at the edges. Very attractive and desirable for garnishing. Pkt. 10c; oz. 20c; lb. \$1.75.

Onondaga. This remarkable variety was introduced by us many years ago. A splendid greenhouse sort, slightly fringed, forming a semi-head, a wonderful

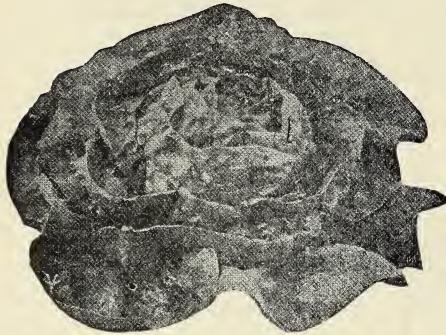


Grand Rapids Lettuce

shipping and keeping variety, green under glass and of slightly reddish cast when grown in the open. Tender, crisp. Pkt. 10c; oz. 20c; lb. \$2.00.

Cabbage or Heading Varieties

May King. (Seed White.) This is a handsome, extremely early, compact cabbage or heading variety for the home garden and market, forming very firm heads of medium size and excellent quality. The color is light yellowish green, tinged with reddish brown when mature. The inner leaves blanch rich golden yellow, very tender and buttery. The plant is very compact for so large a head. Pkt. 10c; oz. 15c; lb. \$2.00.



Big Boston Lettuce

leaves are broad, comparatively smooth but wavy at the edge, very hardy and vigorous. Thin, very hard and crisp. In color bright light green, the head slightly tinged with reddish brown. The inner leaves blanch to an attractive greenish white, tinged with light yellow. It heads up under cold weather conditions better than any other variety. Pkt. 10c; oz. 25c; lb. \$2.00.

Unrivaled. Same as Big Boston, but smaller and earlier. Pkt. 10c; oz. 15c; lb. \$2.00.

Hanson Head. (Seed White.) A very desirable late summer lettuce. The plant is compact and forms a cabbage like head which remains in condition longer than summer-head sorts. Outer leaves bright, yellowish green and broad. Somewhat crumpled and frilled edge and with a distinctive mid-rib. Inner leaves white, crisp and sweet. Pkt. 10c; oz. 20c; lb. \$1.50.

Iceberg or New York Head. Curled or crisp as iceberg, dark green heads somewhat conical. Pkt. 10c; oz. 15c; lb. \$2.00.

Romaine or White Cos. The Cos Lettuce differs in shape from other sorts. Head being elongated and of conical form, about nine inches in height and about six inches in diameter. Outer coloring yellow green. To secure best results it should be tied up. Pkt. 10c; oz. 20c; lb. \$1.50.

Chicken Lettuce. Does not make a head but sends up a stout stalk three to four feet high. Just loaded

Big Boston
This market variety is very popular for outdoor culture and is also in demand as a compact, large heading, forcing sort for cold frames. The plants are large, very hardy and vigorous. The

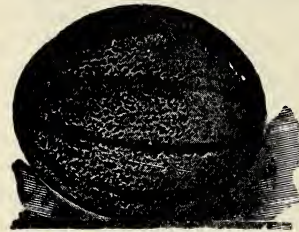
with leaves. When once cut it starts to grow again. Pkt. 10c; oz. 20c; lb. \$2.00.

MUSKMELON

Melone (Gr.) Popone (It.)

The Muskmelon succeeds best in warm, rich soil. While both plant-food and humus are necessary to all plants, all vines require an extra amount. Manure contains both, while rotted turf and commercial fertilizer combined supply both. If manure is used it should be well rotted, finely pulverized and evenly distributed through the soil.

Hearts of Gold, or Improved Hoodoo. Melons of medium size, round and distinctly ribbed, and present a fine, attractive appearance. The rind and flesh are very firm, the skin thickly netted, and flesh a rich, deep orange of sweet and spicy flavor. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.



Rocky Ford Muskmelon

green, thick, very sweet and of rich flavor. Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Benders Surprise. A fine variety of exceptional merit. The fruits are round and deeply ribbed and finely netted. A salmon fleshed, thick meated, delicious in flavor. Pkt. 10c; Oz. 20c; ¼ lb. 60c; lb. \$1.75.

Extra-Early Hackensack. Fruit of good size, nearly round. Flesh green, a little coarse, but very juicy and sweet, and of good flavor. Vine very productive. Pkt. 10c; oz. 15c; lb. \$1.50.

Miller's Cream Osage. Larger than Emerald Gem; nearly round in form, but having the same distinct dark green skin with lighter bands between the ribs, and thick, firm, orange flesh of fine quality. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Honey Dew Melon. "Sweetest Melon Ever Grown." The rind is a dull white when ripe. Part of the melon shows a slight check in the rind like a tendency to net. This appears when the melon is ready to pick. The size runs from six to seven inches in diameter from top to bottom, and eight inches in length. The matured melons are practically all of the same shape and size. Flesh is a light green and is almost honey sweet. This melon will keep several weeks. This is one of the best market melons known. Vines vigorous, and produce six to ten fine melons to the hill. Pkt. 10; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Emerald Gem. A splendid early variety, coming in just ahead of Rocky Ford; fruits deep emerald green in color, globular or slightly flattened, irregularly and distinctly ribbed and lightly netted; flesh very thick, sweet and of a deep, rich salmon yellow, having an exceedingly small seed cavity. One of the best melons for the home garden and local market, but not a shipper. Pkt. 10; oz. 15c; lb. \$1.50.

WATERMELON

Melone (Gr.) Popone (It.)

Sweet Heart. Introduced in 1894 and is very popular as a shipping melon particularly in the South. Vine vigorous and very productive, ripening its fruit evenly. Fruit of largest size, oval, very heavy, rind thin but firm; color very light green, very slightly veined with a little darker shade. Flesh bright red, firm but very tender and sweet. Fruit remains in

good condition a long time after ripening. Seed black. Our stock will be found very uniform in shape, size and color. Pkt. 10c; oz. 15c; lb. \$1.00.

Cole's Early. An early, oval shaped variety. Large heart, flesh of fine texture and good flavor. It grows to a medium size, and the skin is green with light stripes. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Harris' Earliest. This excellent watermelon grows rather large for an early variety, slightly oval in shape, skin mottled light and dark green. It is uniform in size and shape; the flesh is solid, bright red, very tender and sweet. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Fordhook Early. Fordhook Early Watermelon will ripen in sections too cool to grow a good crop of any other watermelon. There is no other melon of such large size which can make this claim. If you have been under the impression that you could not grow watermelons in your garden on account of the short season and comparatively cool weather, we would suggest that you make a trial with Fordhook Early. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; lb. \$1.25.

MUSHROOM SPAWN

Large, vigorous and finely flavored mushrooms, either French or English. Brick about $1\frac{1}{4}$ lbs. 65c.

MUSTARD

White English. Leaves comparatively small and smooth, deeply cut or divided and of medium dark green color. Plant upright, of rapid growth and soon bolts to seed. Leaves, when young, are mild and tender. Seed light yellow and larger than that of other varieties. Pkt. 10c; oz. 15c; lb. 60c.

Southern Giant Curled. Leaves large, light green with tinge of yellow, much crimped and frilled at edges. Plant upright or slightly spreading in growth. Highly esteemed in the South for its vigorous growth, hardness and good quality. Seed small, reddish brown to nearly black. Pkt. 10c; oz. 15c; lb. 75c.

NASTURTIUM—See Flower Seeds

Tall Mixed Garden. Sometimes called Indian Cress, Grown not only for ornament but the beautiful orange colored flowers and foliage are used for garnishing and the young leaves or shoots are excellent for salads. The green seed pods are greatly esteemed by many for use in mixed pickles. Early in spring sow, preferably in rather light soil, in rows 3 feet apart and 2 inches apart in the row, covering one inch deep. When the young plants are about four inches high thin to six inches apart in the row. The vines can be supported if so desired by stakes, strings or brush. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

OKRA OR GUMBO

The young seed pods are used in soups, stews, catsups, etc. Highly esteemed in the South. After danger of frost is past, the ground being warm and in good condition, plant in rows about two and one-half feet apart, covering with about an inch of fine soil firmly pressed down. When about three inches high, thin to about one foot apart in the row. Cultivate and keep free from weeds. The pods are in best condition for use when from one to three inches long.

White Velvet. Plant is about three and one-half feet high, early maturing and very productive. Pods white, long, smooth and are tender until nearly full sized. Pkt. 10c; oz. 15c; lb. 75c.

ONIONS

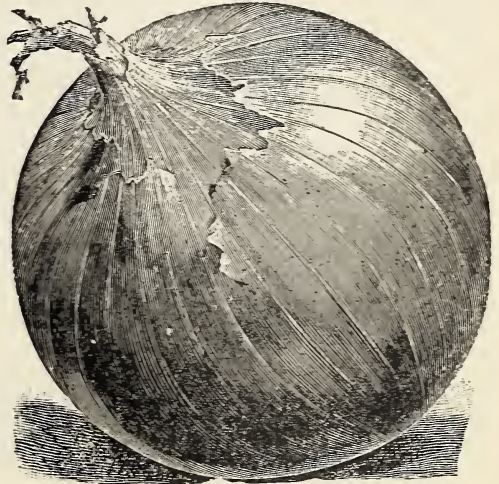
Zwiebel (Gr.) Cipollio (It.)

HOW TO RAISE ONIONS

Sowing the Seed. This should be done as soon as the ground can be made ready and can be done best by a hand seed drill. This should be carefully adjusted

to sow the desired quantity of seed about one-half inch deep. The quantity needed will vary with the soil, the seed used and the kind of onions desired. Thin seeding gives much larger onions than thick seeding. Four or five pounds per acre is the usual quantity needed to grow large onions. We prefer a drill that sows a very close row.

Prizetaker. Grows to an immense size and for fall marketing is unexcelled. Although of such great size, it is very hardy and a fair winter keeper, as it ripens up hard and firm; very fine grained, and of mild, delicate flavor. The outside skin is rich yellow while the flesh is white. Pkt. 10c; oz. 25c; lb. \$2.50.



Yellow Globe Danvers Onion

Southport White Globe. This grows to a very large size and is a perfectly globe-shaped onion. Color is a clear pure white. This variety is used by the market gardeners for bunching. Pkt. 10c; oz. 30c; lb. \$3.50.

Early Flat Yellow Danvers. A good variety, but not as round or quite as early as the Yellow Globe Danvers. Very productive. Oz. 20c; lb. \$2.00.

Southport Yellow Globe. A large, perfectly shaped Globe onion and an excellent onion for keeping throughout the winter. A very heavy cropper, handsome in appearance and good dark yellow color. Pkt. 10c; oz. 25c; lb. \$2.50.

Yellow Globe Danvers. This fine onion is of large size. An early and abundant cropper. Bulbs very thick, flat or slightly convex bottoms, full oval top with small neck and rich brownish yellow skin. Pkt. 10c; oz. 25c; lb. \$2.25.

Southport Red Globe. This is a fine keeper. Large size and considered one of the best red onions. Flesh is fine grained, very mild and tender. Pkt. 10c; oz. 25c; lb. \$2.50.

Brown Bottom Sets. Treated precisely as top onions are, setting them out in the spring instead of sowing seed. Qt. 30c; per bu. \$4.00.

Yellow Bottom Sets. Like the preceding except in color and used in the same manner. Qt. 40c; per bu. \$4.00.

White Bottom Sets. These do not keep as well as the brown or yellow, but produce beautiful white onions early in the season. Per qt. 30c; per bu. \$4.00.

Prices of all onion sets are subject to fluctuations of the market throughout the season, or as long as our stock lasts.

Special Cash Discount to Market Gardeners
Prices Subject to Change Without Notice

White Portugal. American Silver Skin. This is the best sort to sow—for onion sets or for pickling. When sown thickly for either it makes a small, round, hard bulb. Pkt. 10c; oz. 30c; lb. \$3.25.

Ailsa Craig. A handsome globular variety, growing to an enormous size, with pale yellow skin, flesh white, a good keeper and valuable for exhibition purposes. Very fine for home gardens. Pkt. 10c; oz. 25c; lb. \$3.00.

Large Red Wethersfield. We have a very fine and select strain of this sort. Color is deep purplish red, flesh white, moderately grained and very firm. Yields an enormous amount per acre, and is one of the best winter keeping onions. Pkt. 10c; oz. 25c; lb. \$2.25.

PARSLEY

Petersille (Gr.)

Prezzemolo (It.)



Double Curled Parsley

CULTURE—Sow seeds in shallow drills in the early Spring for border, or in rows 12 to 13 inches apart, care being taken that the drills be not more than one-half inch in depth, and that the seed be well pressed down after sowing, as the seed germinates very slowly, three to five weeks elapsing sometimes before it makes its appearance. Use one ounce to 150 feet of drill, three pounds to an acre. Cultivate frequently.

Plain Parsley. The leaves of this variety are flat, deeply cut but not curled. Very desirable for flavoring soups and stews and for drying. It is a favorite on account of its very dark green leaves, as well as its hardness. The curled sorts are very extensively used for garnishing. Pkt. 10c; oz. 15c; lb. \$1.00.

Champion Moss Curled. This is a vigorous, compact growing variety, excellent for garnishing and flavoring. A handsome decorative plant. Leaves very finely cut and so closely crisped or curled as to resemble bunches of moss. Fine deep green color and very attractive foliage. Pkt. 10c; oz. 15c; lb. \$1.50.

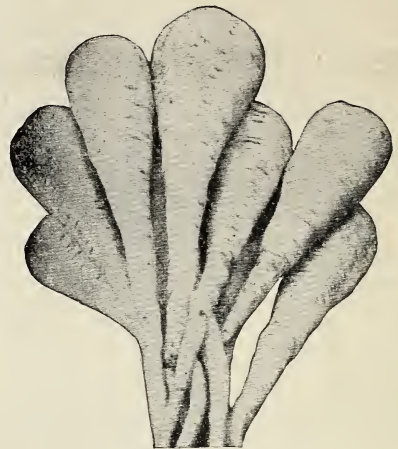
PARSNIPS

Pastinake (Gr.)

Pastinaca (It.)

CULTURE—Sow in early Spring, in rows two to three feet apart, thin to four or six inches in the row. One ounce of seed will sow 200 feet of drill, four to five pounds per acre in drills two and one-half feet apart. Cover the seed one-half inch. Use rotted manure and fertilizer. Parsnips may be left in the ground all winter.

Improved Hollow Crown. This really is the greatest old-time favorite among the parsnips and has a host of friends which it will never lose. It is very smooth, white, with a very thick shoulder and tapering down to a graceful point. One of the best known, none better. Pkt. 10c; oz. 15c; lb. 90c.



Hollow Crown Parsnip

Guernsey (Same as Hollow Crown.) Greatly improved strain. The roots do not grow as long as the Hollow Crown, but are of greater diameter and very easily gathered. A very heavy cropper. Roots very smooth. Flesh fine grained and of excellent quality. Pkt. 10c; oz. 15c; lb. \$1.00.

PEAS

Erbesen (Gr.)

(Piselli It.)

For early peas the soil should be light and warm, but for general crop a moderately heavy soil is better. Fresh manure and very rich or wet mucky soil should be avoided, as they cause a rank growth of vine at the cost of the quality of the peas; such soil is often the cause of early sorts maturing unevenly. Sow as early as possible a few of some early variety on warm, quick soil, prepared the fall before, planting in double rows six to eight inches apart and two and one-half to four feet between the double rows. The general crop can be delayed until later, but we have met with better success from sowing all the varieties comparatively early, depending for succession upon selecting sorts that follow each other in maturity.

Earliest of All, or Alaska. By careful selection and growing we have developed a stock of this smooth blue pea of unequaled evenness in growth of vine and early maturity of pods which are filled with medium sized, bright green peas of good flavor. Vines of medium height, about two and one-half to three feet and of distinctive light color. Pods of good size, about two and one-half to two and three-fourths inches long. Seed small, smooth, and bluish green in color. Matures all the crop at once and is an invaluable variety for market gardeners and canners. Lb. 30c; 2 lb. 55c; 10 lb. \$2.00; 100 lb. \$17.00.

American Wonder. Vigorous and productive vines, with a luxuriant foliage, and producing the leaves on one side of the stock, growing from 9 to 12 inches high. On account of its dwarf habit of growth it is very desirable for private garden use. Pods are light colored, straight, round, about two and one-half inches long and blunt at the end. Fit for picking seventy-five days after planting. Seed is wrinkled, green, medium sized and square at the end. Lb. 35c; 2 lb. 60c; 10 lb. \$2.25; 100 lb. \$18.00.

Nott's Excelsior. Resembling Gems in habit, but more dwarf and uniform in growth, height 12 to 17 inches, with rather light foliage. Pods are light in color, round, about two and one-half inches long, blunt at the ends. Fit for picking seventy-seven days from planting. Seed green, wrinkled, medium sized and square at the ends. Lb. 30c; 2 lb. 50c; 10 lb. \$2.25. Nott's Excelsior, Marvelous and Smith Excelsior are the same.

Special Cash Discount to Market Gardeners

Plenty of Good and Safe Parking Space at our Branch Store and Warehouse, 538-540 Canal Street

Hundredfold. A very fine, large podded, dwarf, extra early Pea, and one which we can with confidence recommend. It matures in from 60 to 63 days, and as its name implies it bears an enormous crop of dark green pods containing 7 to 8 large peas of very tender quality and fine flavor. The vines grow only to a height of 14 or 16 inches and are easily handled, making it a most desirable sort for the small garden, and also one that should be grown for succession in the cooler sections, throughout the entire season. Lb. 35c; 2 lb. 65c; 10 lb. \$3.00.

Little Marvel. We are sure that as soon as American gardeners, whether for pleasure or profit, become acquainted with Little Marvel they will drop both Little Gem and Nott's Excelsior, popular as these two varieties are today. The vines, of dwarf even growth, average fifteen inches in height and are heavily set with fine pods, frequently borne in pairs. The pods average two and one-half inches in length, are square at the bottom and well filled with six to seven quite large, deep green peas. The peas are ready for the table fully as early as American Wonder or Nott's Excelsior, while the pods are larger and the vines produce a much heavier crop. All who desire a fine early crop of the choicest quality of wrinkled peas will be delighted with Little Marvel. Lb. 35c; 2 lb. 60c; 10 lb. \$2.50; 100 lb. \$22.00.

Premium Gem. Desirable, early, green, wrinkled, dwarf variety similar to but better than McLean's Little Gem. The vine is very productive and grows to a height of from fifteen to eighteen inches. The pods are of medium size and crowded with six to eight very large peas of fine quality. The seed is green, large, wrinkled, often flattened. Lb. 30c; 2 lb. 55c; 10 lb. \$2.25; 100 lb. \$17.00.

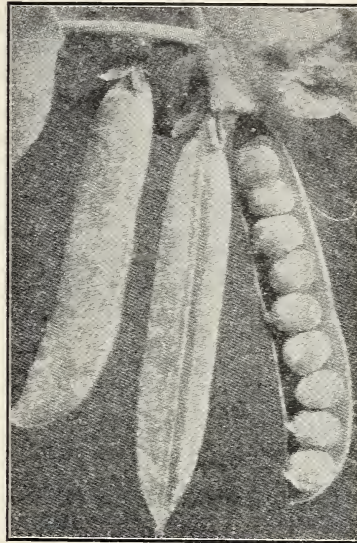
Gradus. A very early, wrinkled pea. Vine similar in appearance to Telephone, but of medium height, only about three to three and one-half feet. The pods are very large, about four and one-fourth inches long, very nearly as large as those of Telephone, uniformly well shaped, pointed, handsome and more attractive than those of the first earlies. Peas very large, of splendid quality and beautiful light green color which they retain after cooking. Practically the same as Prosperity. Lb. 30c; 10 lb. \$2.50; 100 lb. \$20.00.

Thomas Laxton. A very early, wrinkled variety of great merit. Vine vigorous, of medium height, about three feet, similar to that of Gradus, but darker in color, hardier and more productive. Pods large, often four inches long, with square ends, similar to but larger, longer and darker than those of Champion of England and as uniformly well filled. The green peas are very large, of fine deep color and unsurpassed in quality. We are certain that the earliness and productiveness of this pea need only to be known to make it one of the most popular sorts for the market and home garden, as in appearance and quality it is one of the very best varieties yet produced. Lb. 35c; 2 lb. 60c; 10 lb. \$2.50; 100 lb. \$20.00.

Second Early Varieties

Alderman. This comparatively new pea is in many respects the very best early main crop variety of the valuable Telephone type. The vines are tall growing, about four and one-half to five feet high, dark green, vigorous and exceedingly productive. Pods of largest size, often five to five and one-half inches long, dark green, similar to but a little larger and a shade darker in color than Duke of Albany and about the same in season. The peas are of largest size and unsurpassed in quality. Market gardeners are demanding the large podded, dark colored sorts which retain their fine appearance even after shipping a long distance. The Alderman answers these requirements and furthermore is the most productive variety of this class. We recommend it unreservedly. Lb. 30c; 2 lb. 50c; 10 lb. \$2.25; 100 lb. \$18.00.

Telephone. This has become the leading pea with the market gardeners whose trade appreciates fine appearance and high quality. Vines tall and vigorous, growing about four feet high, with large, coarse, light colored leaves and producing an abundance of pointed pods of largest size, often four and one-half to five inches long, attractive bright green, filled with very large peas which are tender, sweet and of excellent flavor. It comes into use soon after the Premium Gem and is one of the best sorts for either home or market. Lb. 30c; 2 lb. 55c; 100 lb. \$18.00.



Telephone Peas (Dark Green Pods)

Duke of Albany. A most valuable variety of the Telephone type; remarkably hardy in growth, producing dark green pods of large size, well filled with extra large sweet peas. The vines grow three feet in height and are very productive. Lb. 30c; 2 lb. 55c; 100 lb. \$18.00.

Later Varieties

IMPROVED STRATAGEM. One of the best of the large podded, semi-dwarf main crop varieties. The vines are very sturdy, about two to two and one-half feet high, with medium dark green foliage. The pods are very large, often four and one-quarter to four and one-half inches long, pointed, dark green, and uniformly filled with very large, dark green peas of the finest quality. Pkt. 10c; lb. 35c; 2 lbs. 60c post-paid; 100 lbs. \$19.00.

Champion of England. A very productive variety universally admitted to be one of the richest and best flavored of the late peas. The vines are four to five feet high. The seed is light green and much shriveled. Very inferior and mixed stocks of this sort are frequently offered, but when the seed is as well grown and selected as that which we offer we consider the variety equal in quality to any in cultivation and one of the best of its season, either for the home garden or market gardener. Lb. 30c; 2 lb. 55c; 10 lb. \$2.00.

Melting Sugar. (Edible pods) There is a class of peas not generally known in this country but much used abroad in which the sweet, brittle and succulent pods have none of the tough, inner lining found in the ordinary varieties of garden peas. They are used in the same way as snap or string beans. Lb. 35c; 2 lb. 60c.

To Prevent Damage from Pea Louse. Sow a strip of turnip seed about five feet wide around the field of peas, which will attract the pea louse, and will feed upon the turnip instead of the peas; thus preventing the destruction of the crop. Sow early turnips with Early Peas and late turnips with Late Peas. This has been given to us by an expert grower, who claims it to be a sure remedy.

Prices Subject to Change Without Notice

PEPPER

Pfeffer (Gr.) Peperone (It.)

Peppers are most largely used for seasoning meat and vegetable dishes; also for making chow chow and chili sauce. The culture is the same as for egg plant and the plants need quite as much heat to perfect them. Sow seed early in hotbed, or about middle of spring in open seed bed, the soil being light and warm. When three inches high transplant in rows about two and one-half feet apart and two feet apart in the row.

Worldbeater. This is the finest large pepper yet introduced. A cross between Chinese Giant and Ruby King, as early as Ruby King and similar in shape, but broader at blossom end, almost the size of Chinese Giant and far more prolific, some plants producing as many as twenty-four marketable peppers, exceptionally mild, can be eaten raw without fear of burning. Color of fruit green at first, turning to a beautiful shade of scarlet. Flesh thick, which enables it to hold up a long time and makes it an excellent shipper. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

Crimson Giant. The earliest maturing of the extremely large, red sweet peppers and surpassed by none in evenness of size and shape. The plant is vigorous, two and one-half to three feet high. The fruits are of the largest size, ripen earlier than any of the other very large sorts. Color deep green when young, deep crimson when matured; flavor very mild. Oz. 60c; ¼ lb. \$1.75.

Pepper-Tomato. A wonderful new creation among vegetables. See picture and description on page 25. Pkt. 25c.

Large Early Neapolitan. Decidedly the earliest of all large, mild, red peppers and the most productive of all large peppers. The fruit measures 4 inches long and 4½ inches in circumference. The strong, vigorous plants grow 2 feet high by 18 inches across; they are heavily laden with large handsome fruit and bear continuously until frost. Single plants carry from 35 to 50 marketable fruits at one time. Skin and flesh bright red; mild as an apple. Pkt. 10c; oz. 60c; ½ lb. \$2.00.

Long Red Cayenne. A well known medium early variety having a slender, twisted and pointed pod about four inches long. Color deep green when fruit is young, bright red when ripe. Extremely strong and pungent flesh. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.



Bell or Bull Nose

with thick, mild flesh of excellent quality for use in salads and mangoes or stuffed peppers. The color is deep green when fruit is young, bright crimson when ripe. Slightly pungent. Oz. 40c; ¼ lb. \$1.25.

Ruby King. An improved American variety, very large and attractive. The plant is about two and one-half feet high, vigorous, compact and productive. The fruits are often four to four and one-half inches long and of deep green color when young, bright red

Large Bell, or Bull Nose. Our stock of this well known variety, sometimes called Sweet Mountain, is very superior. Plant vigorous, about two feet high, compact and very productive, ripening its crop uniformly and early. The fruits are large,

when ripe. The flesh is thick and mild flavored. One of the best varieties for mangoes or stuffed pepper. Pkt. 10c; oz. 50c; ¼ lb. \$1.25.

Chinese Giant. Plant dwarf, fruit of mammoth size, very broad, yet 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. 10c; oz. 60c; ¼ lb. \$2.00.

Pimiento Pepper. The sweetest pepper grown, as it does not contain the slightest trace of fireiness. The plants are productive and peppers medium size and of a shape which is desirable for stuffing, prepared in which manner they are delicious. It may also be used in salads and for flavoring. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.

Golden Queen. Of all the yellow-fruited peppers, Golden Queen is the largest, most productive and finest. The fruit is quite large, unusually meaty, and strictly mild. Rich and glossy golden yellow skin. Our strain of this fine yellow pepper is particularly fine. Pkt. 10c; oz. 40c; ¼ lb. \$1.50.

POTATOES

Kartoffel (Gr.) Patate (It.)

Plant beans in potato hills. Will keep off the bugs and make a crop of beans.

Early Ohio. "True to Name" Red River Valley Early Ohio Seed Potatoes, the earliest of all and "The King of the Earlies" Bu. \$2.00.

Irish Cobbler. Is the best early white potato grown. The tubers are smooth, round, plump and handsome. The flesh is white and of splendid quality. Bu. \$2.00.

True Early Rose. The Early Rose is the old standard early potato; rosy blush skin, white flesh; early, productive, and of excellent flavor. Bu. \$2.00.

Late Russet. Most vigorous grower and an immense yielder. It is bug proof and blight proof. Has a russet skin; flesh white as snow. A fine cooker. The most valuable late sort on the market. Bu. \$1.75.

Carman No. 3. Another large, round, white, main crop potato; tubers are very large, eyes are shallow and few in number, and it is an immense yielder. Bu. \$1.75.

PUMPKIN SEEDS

Melonen-Kuerbiss (Gr.) Zucca (It.)

Connecticut Field, per oz. 10c; lb. 65c.

Small Sugar Pie Pumpkin, fine for table. Pkt. 10c; oz. 15c; lb. \$1.00.

Winter Luxury, fine table. Pkt. 10c; oz. 15c; lb. \$1.00.

Quaker Pie. Pkt. 10c; oz. 15c; lb. \$1.00.

RADISH

Radies (Gr.) Ravanello (It.)

Being a root crop, good brittle radishes require light, well-worked soil, made very rich and mellow. They are easy to grow and frequent plantings will insure a constant supply for the table. Summer varieties can be sown all spring and well into summer. Winter varieties should be planted in August and September.

Radish—The Onondaga The perfect radish—an early scarlet globe, forcing and outdoor variety. This very fine and improved type of bright scarlet Globe Radish will prove a splendid addition to our line of radishes. It is equal to the best of the Early Forcing Globe type, but a much better yielder, producing practically 100 per cent perfect radishes. This is the reason why it appeals to the market gardener. It is the best money maker of all the scarlet radishes listed in recent years. Our stock is limited and we hope our gardeners will take advantage of the stock while it lasts. Pkt. 10c; oz. 15c; lb. \$1.00.

Radish Small Top—New! Deep Scarlet Turnip

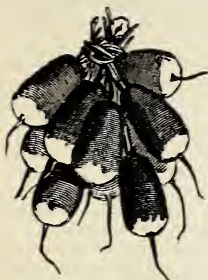
Prices Subject to Change Without Notice

Special Cash Discount to Market Gardeners.

RADISH—Continued

Vick's Scarlet Globe. This grand radish has established a reputation as a forcing sort. Its peculiarity is that it will bear the heat requisite for forcing without becoming pithy or suffering injury to its flavor. Its color is a rich scarlet. It has a small top and is a high bred radish. Pkt. 10c; oz. 15c; lb. \$1.00.

Saxa. The gardener's favorite. Earliest round bright scarlet. The earliest of the forcing radishes, and one of the slowest to shoot to seed. Round, bright scarlet and with the smallest possible top. We have an excellent stock of this radish and can highly recommend it. Oz. 15c; lb. \$1.25.



French Breakfast



Chinese Rose Winter

French Breakfast. Olive shaped. A popular variety for market for forcing. It is about two inches long and decidedly stump-rooted. Color, bright rose with bottom of root and the tail pure white. Pkt. 10c; oz. 15c; lb. \$1.00.

Brightest Long Scarlet. A very showy, long variety, is thick at the shoulder and tapering. Bright rose scarlet with distinct white top. Oz. 15c; lb. \$1.00.

White Vienna or Lady Finger Variety. A handsome white variety, about 5 inches long, with sloping top and pointed root. Quick growing, brittle, and mild snappy flavor. Pkt. 10c; oz. 15c; lb. \$1.00.

White Strasburg. A white radish, of large size, good quality, and ability to resist severe heat. It will grow solid, with good flavor, when others fail. Pkt. 10c; oz. 15c; lb. \$1.00.

Winter Varieties

Giant Stuttgart. This mammoth white radish is the largest of the turnip shaped sorts. It has solid, crisp, pungent flesh, and is highly prized by people demanding a radish of high flavor. Both skin and flesh are pure white. Pkt. 10c; oz. 15c; lb. \$1.00.

Chinese White Winter, or Celestial. (or Cal. Mammoth White Winter.) The well-known and popular winter variety. Clear white, about four inches long and half stump-rooted. Pkt. 10c; oz. 15c; lb. \$1.25

Chinese Rose Winter. A bright scarlet winter variety. About four inches long and stump-rooted. Matures two or three weeks earlier than the Chinese White Winter and like it is firm and crisp and does not grow pithy until it runs to seed. Pkt. 10c; oz. 15c; lb. \$1.00.

Round Black Spanish. A winter variety, with black skin and white flesh. It is top-shaped or almost globular. Pkt. 10c; oz. 15c; lb. \$1.00.

RHUBARB

Rhabarber (Gr.) Rabarbara (It.)

Victoria. A good market sort, with beautiful red stalks. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.
Roots. Price 15c pkt. 2 for 25c.

SAGE

A hardy perennial shrub, with whitish-green, oval, and very much wrinkled leaves, which have a pleasant smell and which are used for seasoning. It is easily grown and the seed can be sown almost any time. Oz. 30c; ¼ lb. 90c.

SALSIFY OR VEGETABLE OYSTER

Haferwurz (Gr.) Sassefrica (It.)

CULTURE—Sow early and deeper than parsnip, otherwise culture is the same. Roots, if desired, may be left in the ground through the winter, but dug early in the spring.

Mammoth Sandwich Island. Larger, of stronger growth, and less liable to grow prongy than the old Long White. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.25.

SPINACH

Spinat (Gr.) Spinace (It.)

King of Denmark. Also known as "Antvorskov."

This new variety is undoubtedly the most valuable introduction of spinach in recent years. Although the plants are ready for use almost as soon as the medium early sorts they remain in good condition from a week to two weeks after all other varieties have gone to seed. The plants are of rapid growth, resemble the Long Season in type but leaves are more crumpled or blistered and are of darker green color. The leaves are thick, stand well after cutting and are of good quality. We believe this variety will in a few years be one of the leading sorts as its distinctive qualities are sure to win favor for it from both the home and market gardener. Oz. 15c; lb. 50c.



LONG SEASON SPINACH.

Long Standing. Prickly. A deep green variety with rather elongated smooth leaves. Seed, round. Stands a long time without running to seed. Oz. 10c; lb. 50c.

Victoria. A long-standing variety with round, slightly savoyed leaves. Deep green and hardy. Forms good, edible leaves early and continues to produce leaves for a long period. Oz. 10c; lb. 50c.

Bloomsdale Savoy. The variety most generally used in the East, and especially throughout the South for shipping. Leaves large, round and thick, very much savoyed and rich deep green. One of the earliest varieties. Seed round. Oz. 10c; lb. 50c; 10 lb. \$2.75

New Zealand. A plant with thick, fleshy texture and soft crystalline leaves. Is not like the ordinary spinach in appearance, but it is used in the same way. Oz. 15c; lb. 85c.

SQUASH

Kuerbiss (Gr.) Zucca (It.)

The summer varieties come into use early in the summer, but being sensitive to frost the seed cannot be sown until late in April. The seed should be planted in hills four feet apart, using four ounces to 100 hills. The winter varieties are also unable to resist frost, and should be planted at the same time. The fruit does not mature until late in the fall, and, having a very firm, hard shell, keeps well, and with a little care squashes can be had all winter and until late in the spring. In gathering winter squashes, it is important to protect the stems, since if broken off the fruit will not keep so well. Plant in hills six to eight feet apart, using two or three seeds to the hill. Use eight ounces to 100 hills, or two pounds to an acre. Moderately rich soil will grow good squashes.

Prices Subject to Change Without Notice

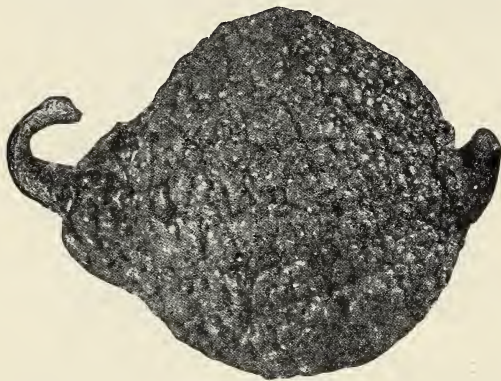
SQUASH—Continued

Mammoth Golden Summer Crookneck. A large golden-yellow variety, thickly warted; is eighteen inches long, brittle and tender. Plants are bushy and very prolific. This is an improved strain and considerably larger. Pkt. 10c; oz. 15c; lb. \$1.50.

Burpee's Fordhook Squash. A most desirable running variety for both summer and winter use. Wonderfully productive. Fruit oblong, eight to ten inches in length, slightly ridged, smooth thin yellowish skin; flesh very thick and of a light straw yellow. If allowed to ripen on the vine will keep in excellent condition until late the following June. Oz. 15c; lb. \$1.50.

Mammoth White Bush Scallop. An improvement on the old variety, larger, pure white and superior in quality. Pkt. 10c; oz. 15c; lb. \$1.25.

Boston Marrow. This is a very productive fall and winter variety of medium to large size, oval shape, and thin skin. It is much used for canning and making pies. The fruits when ripe are bright orange with a shading of light cream color. The flesh is of rich salmon yellow color, fine grained and of excellent flavor, but not as dry as the Hubbard. Same as Golden Hubbard. Oz. 15c; lb. \$1.50.



Hubbard Squash

Blue Hubbard. This excellent squash of the Hubbard type is light blue in color, with hard shell and thick, fine grained flesh, which is very tender and by far the sweetest and best flavored of the winter squash. This variety is very popular in the East, and brings a higher price than any other. We have the true stock. Pkt. 10c; oz. 15c; lb. \$1.50.

Golden Hubbard. A distinct sort, of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and a rich orange-red. Flesh is thick, of fully as good quality, fine-grained and dry. Oz. 15c; lb. \$1.25.

Hubbard. This is a distinct strain of the famous Warty Hubbard and is an ideal winter squash for marketmen. The shell is a dark green in color, the flesh dry and sweet in flavor. It grows to large size, is a fine keeper and shipper, its cooking qualities unsurpassed. Oz. 15c; lb. \$1.25.

Banana Squash. The most delicious of all for the table or pies. The tough shell is a grayish green in color. The beautiful orange yellow flesh is firm and solid, free from fibre, or stringiness, cooks smooth and of delicious flavor, excellent for pies, etc. Vines are very productive. Matures in 110 days. Pkt. 10c; oz. 20c; lb. \$1.25.

SWISS CHARD—See Beets

Giant Perpetual ("Cut-and-Come-Again") Spinach Swiss Chard. This, though a variety of Chard, is to all practical purposes a giant spinach. Its great merit is that it will supply the greens from spring until late in the fall. If wanted for greens cut

when 6 inches high just above ground and it will grow out again. Oz. 15c; lb. \$1.00.

Squash Bugs—Spray Pyrox with an under-leaf up-turned nozzle—sure death.

TOBACCO SEED

Havanna Tobacco Seed, oz. 50c; per pkt. 10c.

TOMATO

Liebesapfel (Gr.)

Pomodori (It.)

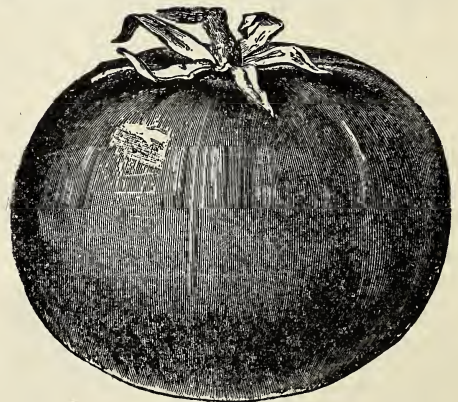
As tomatoes are very sensitive to frost, they cannot be set in the open field until about May 1st. The seed must be sown in well protected hotbeds, sowing same about March 1st. A hardy and stocky plant is had by transplanting the small plants in the bed a few weeks before transplanting to the field. Or when about four inches high, the top may be pinched off and the plant grows stockier.

Sow the seed broadcast, using one ounce to about three square feet of area, which will yield plants enough to set an acre. In the field set tall varieties six feet apart and dwarf varieties three feet apart. A slight trellis is advisable in the garden. A moderate amount of water should be applied at the roots at regular intervals.

Earliana (Sparks). The earliest tall variety, forming ripe fruit much earlier than any other variety. The fruit is large, smooth, of a bright scarlet color, and of fine quality. Very valuable for early market use. Pkt. 10c; oz. 40c; ¼ lb. \$1.00; lb. \$4.50.

John Baer. A remarkable new variety of the extra early red or scarlet type. Not quite so early as Earliana, though there are only a few days difference, and John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$4.00.

Bonney's Best Early. An extra early variety having great favor with the market gardeners. Vines vigorous and productive, fruit solid without hard core. Color bright scarlet. Fine, early, handsome, especially profitable for market gardeners' use. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.75.



Chalk's Early Jewel

Chalk's Early Jewel. 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. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$4.00.

Livingston's Dwarf Stone. Another splendid new variety from Livingston. This is what he says of it: "The same sort of tomato as Dwarf Champion, but the vine is of stronger growth, and the vine is potato leaved—heavy stem fruit—round, red, of medium size. It is equally early, is equally prolific. It is very solid, ripens very evenly and is of excellent quality. Pkt. 10c; oz. 60c; ¼ lb. \$1.50; lb. \$6.00.

Special Cash Discount to Market Gardeners

TOMATOES—Continued

- Dwarf Champion.** 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. Oz. 60c; ¼ lb. \$1.75.
- Matchless.** A tall-growing, prolific variety with large fruit, which is rather flattened, smooth and uniform. Color, bright scarlet. For canning and general main crop market, there is no better tomato grown. Extra selected strain. Pkt. 10c; oz. 50c; ¼ lb. \$1.25.
- Ponderosa.** An extremely large, irregular-fruited variety. Vine tall, and fruit very solid and purplish-carmine in color. Rather coarse and of fair quality only. Pkt. 10c; oz. 60c; ¼ lb. \$1.75.
- Golden Queen.** (Bright Yellow). Best large yellow tomato. Much like Paragon, except in color. Always smooth and ripens early. Quality excellent in all respects, either for slicing or preserving. Queen of all the yellows. Oz. 35c; ¼ lb. \$1.00.
- Tomato Pepper—**See bottom of page.

TURNIPS

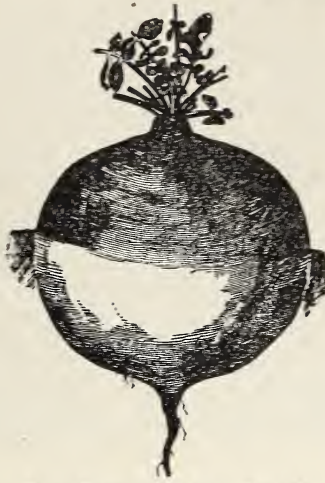
Steckrube (Gr.) Pastinaca. (It.)

For fall and winter use sow the seed in August, in rows 10 to 18 inches apart, using one ounce to 250 feet of row, thinning the plants when very young to three or four inches apart. For spring use sow in January. For field culture sow in rows about two feet apart, using one to three pounds of seed per acre.

- Early Snowball.** A medium globe-shaped variety of pure white. Very solid and of the best quality. Oz. 15c; lb. \$1.
- Early White Flat Dutch (Strap Leaf)** A medium-sized, flat variety; clear white, early, and of fine flavor. A fine table variety. Pkt. 10c; oz. 15c; lb. \$1.
- Early White Milan.** Roots flat, smooth and symmetrical; pure white. Top very small, upright and compact, permitting close planting. The earliest and much the best of any extra-early white variety. Pkt. 10c; oz. 15c; lb. \$1.00.
- Early Purple-Top Milan.** Differs from the preceding in that the roots are not quite so thick and are purple on top. Pkt. 10c; oz. 15c; lb. \$1.00.
- Early Purple-Top White Globe.** One of the handsomest varieties, the upper portion of the root being a purplish red, the lower pure white. A rapid grower, attaining a marketable size sooner than other large globular varieties. Of the best quality and an excellent keeper. Owing to its strong growth should be more severely thinned than other early varieties. We offer New England grown seed of a selected strain, which repeated trials have shown to be much superior to those generally offered. Pkt. 10c; oz. 15c; lb. 75c.
- Cow Horn.** A long white turnip. Grows to a large size, standing half out of the ground. It is fine flavored and desirable. Cow Horn turnip sown in connection with Rape is one of the newly recommended things for green manuring purposes. Pkt. 10c; oz. 15c; lb. 75c.

Rutabagas or Swedish Turnips

Winter Varieties



Rutabaga American Purple Top Turnip

Sweet German, or Russian. Fine for table or live stock. White, sweet, excellent; fine keeper. Oz. 15c; lb. 75c.

American Purple-Top or Long Island Improved.

Bred from the "American Purple Top," over which it is a great improvement, being nearly double the size; an immense yielder and good keeper; flesh rich yellow, of fine quality. Oz. 15c; lb. 75c.

SWEET HERBS

CULTURE—Sow in early spring, at the time when the trees begin to leaf, in ordinarily good and well drained garden soil, in rows 12 to 24 inches apart. Cover seed lightly. Thin or transplant to stand 6 to 12 inches apart in the rows. Cultivate frequently and keep free from weeds.

	Packet
Anise, seeds aromatic	10c
Balm, has medicinal qualities	10c
Basil, sweet	10c
Borage, leaves used for salad	10c
Caraway, seeds aromatic	10c
Coriander, seeds aromatic	10c
Dandelion	10c
Dill, seeds aromatic and medicinal	10c
Fennel Sweet, seeds aromatic	10c
Horehound	10c
Lavender, leaves aromatic	10c
Marjoram, leaves used in seasoning	10c
Rosemary, aromatic	10c
Rue, medicinal qualities	10c
Sage, culinary herb	10c
Savory, Summer, culinary herb	10c
Sweet Marjoram for seasoning	10c
Thyme, culinary herb	10c
Wormwood, medicinal qualities	10c



TOMATO PEPPER

NEW! THE TOPEPO

The Pepper and Tomato Combined

A new creation among vegetables—the Topepo—sweet Bull Nose Pepper and luscious Stone Tomato combined. Has the delicious flavors and qualities of both. A beautiful yellow blushed with red. Wonderful for stuffing and baking, for salads, soups, dressings, etc. Be the first to raise the Topepo.

A wonderful addition to the vegetable kingdom. 'Twas a happy thought and will give great pleasure to millions of vegetable lovers now and the future. Pkt. 25c.



SELECT FLOWER SEEDS



Antirrhinum or Snap Dragon

ABUTILON (CHINESE BELL FLOWER OR FLOWERING MAPLE) Free flowering, perennial shrub; fine for indoors. For outdoor sow before April. Will bloom first season. **10c pkt.**

ACONITUM (MONK'S HOOD OR WOLF'S BANE) Hardy, perennial, long spikes of odd shape blue and white flowers, adapted to shady corners or among shrubbery; 3 to 5 ft. **10c pkt.**

ACROCLINIUM. Pretty, annual everlasting. 15 inches high, lovely white or rosy pink flowers, fine for border. Sgl. or dbl. **10c pkt.**

ADLUMIA (MOUNTAIN FRINGE OR ALLEGHENY VINE) A hardy, biennial climber, will resow itself year after year, feathery foliage resembling Maiden-hair Fern, flowers tube-shaped, flesh colored completely covering the plant, fine for trellises, stumps, etc. **10c pkt.**

ADONIS (PHEASANT'S EYE) Flos Adonis, Showy hardy, annual, of easy culture, fine cut foliage, blooms a long time; dark crimson flower with light center Height 1 ft. **10c pkt.**

AGERATUM (FLOSS FLOWER) Fine bedding sort, literally a sheet of bloom from early summer until frost; not liable to be spoiled by rain, flowers not liable to fade; easily raised from seed. Sow in March or in hot-bed and transfer into open ground in June when weather is suitable, valuable for winter flowering for conservatory. **10c pkt.**

Blue Perfection. Dark blue, largest flowering, fine bedder. **10c pkt.**

Little Dorrit. Beautiful, compact, sky blue, white center, very exquisite. **10c pkt.**

Mexicanum. Lavender blue, 1½ ft. **10c pkt.**

Imperial Dwarf White. Height 8 inches. **10c pkt.**

AGROSTEMMA (ROSE OF HEAVEN) Free blooming, hardy perennial, blooming first season, height 1 to 2 ft. **Mixed 10c pkt.**

ALYSSUM (MAD-WORT) Pretty little plants for beds, vases, baskets, edging, etc. Bloom profusely all summer, also useful for winter. Very sweet-scented.

Little Gem (OR CARPET OF SNOW) 4 to 6 inches in height, each plant covering a circle of 15 to 30 inches. **10c pkt.**

Sweet Alyssum. Trailing flowers, white, **10c pkt.**
Saxatile Compactum (BASKET OF GOLD), handsome yellow flowers, hardy perennial, blooming first season, fine for rock work, 1 ft. **10c pkt.**

Sweet Alyssum



AMARANTHUS. Brilliant foliaged annuals, 3 to 5 ft. Useful in borders or centers of large beds. Do not plant too closely.
Brilliant. Foliage bright red, ends of branches carmine-rose, red and yellow. 10c pkt.
Caudatus (LOVE LIES BLEEDING) Blood red, drooping foliage, 3 ft. 10c pkt.
Sunrise. Bronzy Crimson to brilliant scarlet. Fine for parks and large beds, 3 ft. 10c pkt.
Tricolor (JOSEPH'S COAT) Leaves red, yellow and green, 3 ft. 10c pkt.



Aster Chrysanthemum

AMMOBIUM (WINGED EVERLASTING) Grandiflorum, Pretty Border, annual everlasting, snow white with yellow disc. 10c pkt.
AMPELOPSIS (BOSTON OR JAPANESE IVY) Hardy, perennial climber, olive green leaves turning to scarlet in fall. Popular climber, fine for brick or stone walls. 10c pkt.
ANCHUSA (ALKANET) Italica Dropmore Variety. One of the best hardy perennials, and becoming more popular each season, grows 3 to 5 feet high and bears in abundance flowers of the richest gentian-blue during May and June. 15c pkt.
ANEMONE (WINDFLOWER) Hardy, perennial, large flowers, fine for bouquets.
Coronaria. Mixed Colors (POPPY ANEMONE). 10c pkt.
St. Brigid. A beautiful selection of the above, our seed comes from a famous Irish grower and comprises semi-double and double flowers in a wonderful array of colors. 15c pkt.
ANTHEMIS (HARDY MARGUERITE) Kelwayi. A most satisfactory hardy perennial, bearing all summer daisy-like golden-yellow blossoms; excellent for cutting; 2 ft. 15c pkt.
ANTIRRHINUM (SNAP DRAGON)
Giant Varieties. Of tall growth, very large individual flowers: Scarlet, White, Yellow, Garnet, Pink (Silver pink), Rose (Rich rose). 10c pkt.
Semi-Dwarf. A splendid mixture, containing all the colors. 10c pkt.
AQUILEGIA (COLUMBINE) Charming, hardy, perennial, 1 to 3 ft., profuse bloomer, blue, white, rose, yellow, purple, striped, etc. Fine for borders. Sgl. mixed 10c pkt. Dbl. mixed 10c pkt.
Long-Spurred Hybrids. A beautiful strain comprising shades and combinations of blue white, yellow, orange, scarlet and bright rose-pink, in large flowers with long spurs. 15c pkt.
ARABIS (ROCK CRESS) Alpina, very early, pure white, spring flower, appear as soon as snow disappears. Fine for rockeries or edging. 6 inches high. 10c pkt.
ARCTOTIS (AFRICAN DAISY) Grandis. A remarkably handsome annual from South-west Africa. It forms much-branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface, the reverse of petals pale lilac-blue. 10c pkt.

ARMERIA (SEA PINK OR CUSHION PINK) Very pretty edging plant, bearing large tufts with rosy pink flowers, hardy perennial. 10c pkt.
ASPARAGUS (PLUMOSUS NANUS) Graceful climber, finer than most delicate ferns. Will last for weeks after being cut, easily cultivated. 25c pkt.
Sprengeri. One of the best for hanging baskets or general purposes, fronds 4 ft. long. 10c pkt.

ASPERULA ODORATA (SWEET WOODRUFF) Fragrant leaves and stems, grown in shaded places, white flowers. 10c pkt.

ASTERS are now one of the most important summer and autumn flowers. Their immense popularity and world-wide demand shows their adaptability to any soil or climate, there being early medium and late flowering sort which extends the blooming period from early July until frost. For the best results the ground should be very rich. Good results can be obtained from ordinary garden soil.

BRANCHING VARIETIES:

ROYAL ASTERS (OR EARLY BRANCHING) these are dwarf branching about 2 ft. high, flowers of the branching type; coming into bloom in July or early August.

	Per	Per
	¼ oz.	pkt.
AMERICAN OR LATE BRANCHING		
Blackish Blue. A deep dark blue ...	\$.35	\$.10
Deep Crimson. Rich and glowing ....	.35	.10
Peach Blossom.....	.35	.10
Pale Lavender. Exquisite greyish-blue .	.35	.10
Deep Purple. A rich royal shade .....	.35	.10
Rose-pink. A lovely shade; very popular.....	.35	.10
Shell-pink. Soft and dainty .....	.35	.10
Pure White. Perfect in its purity.....	.35	.10
Collection. A packet each of the 8 colors.	60c.	
Finest Mixed. All colors mixed. ¼ oz.,	25c	10c pkt.



Branching Asters

CREGO'S GIANT COMET ASTERS. We consider this the finest and largest of all Comet Asters, bearing immense fluffy flowers five inches and over in diameter, as fine as any Chrysanthemum, and when cut keep in good condition longer than any other of this type.

We offer seven colors, viz: White, Shell-pink, Purple, Deep Rose, Crimson, Lavender, Pink. 10c pkt. Collection of a packet each of the 7 colors, 50c. Crego's Mixed, 10c per pkt. 25c per $\frac{1}{4}$ oz.

QUEEN OF THE MARKET ASTERS. A first-class early-flowering Aster, coming into flower in July, of branching habit; flowers of good size and borne on long stems, making them exceedingly valuable for cutting; 1 foot. Bright Rose, Crimson, Lavender, Pink, Purple, White. 10c pkt. Collection. One packet each of the 6 colors. 50c. Mixed colors, $\frac{1}{4}$ oz. 25c; pkt. 10c.

BEAUTY ASTERS. A recently developed late flowering strain coming into bloom in late September, and being at their best through October. The plants grow nearly 3 feet high, and bear their very large, densely double flowers on long strong stems. We offer six beautiful colors: Azure Fairy, Dark Lavender, 15c pkt. September Beauty, shell pink, 15c pkt. White, 15c. pkt. Mixed colors, 15c pkt.

OSTRICH FEATHER. Magnificent, resembling the Comet, flowers of immense size of loosely formed petals, equaling the best Japanese Chrysanthemums. White or pink. Mixed 10c pkt.

HEART OF FRANCE ASTER. This recent introduction is the largest flowering of the very dark red sorts; plants grow about 24 inches high, nicely branched, bearing in September their large, rich, deep ruby-red flowers on long, strong stems; a fine, dark variety. 15c pkt.

KING ASTERS. The "King" Aster forms a distinct class or type. They are of strong, sturdy habit, growing fully 18 inches high, and bear from August to October very large double blossoms, the petals of which are more or less quilled, forming a very attractive flower. Mixed colors, 10c. pkt.

PERENNIAL MICHAELMAS DAISY. Single, hardy. Does well in any garden soil. If sown early will flower in early season. 10c.

BABY'S BREATH. (SEE GYPSOPHILA).

BACHELOR'S BUTTON (SEE CENTAUREA CYANUS). Mixed colors, 10c; double blue, 10c pkt.

BALLOON VINE (LOVE-IN-A-PUFF) Rapid growing annual climber, white flowers, seed vessels look like miniature balloons. 10c pkt.

BALSAMS (LADY SLIPPER) Double, camellia flowered type, an old favorite, gorgeous brilliant colored, double flowers in great profusion, easily cultivated, 2 ft. high. Double, mixed each 10c., white 10c; pink 10c pkt.



Balsams

BAPTISIA (FALSE INDIGO) Beautiful, hardy, perennial, pea-shaped flowers on spikes 6 inches long, bright blue, 2 $\frac{1}{2}$ ft. 10c. pkt.

BELLIS (OR ENGLISH DAISY). Perennial, Double Daisy, very handsome spring flowering plant. 10c.

BRACHYCOME (OR SWAN RIVER DAISY) Dwarf, annual, profuse bloomer, pretty blue or white flowers. 10c pkt.

CALCEOLARIA (LADY'S SLIPPER) Ornamental plant with mass of beautiful pocket-like flowers. blooms early and very fine for decorating green-house or conservatory. 25c pkt.

CALENDULA (POT MARIGOLD) Very showy, free-flowering until frost, hardy annual, grows in any good soil, fine for beds or mixed borders, fine for pot culture, height 1 ft.

Meteor. Large double yellow, striped with orange. 10c

Orange King. Large double orange red flowers. 10c

Lemon Queen. Light yellow. 10c.

Mixed, per pkt. 10c



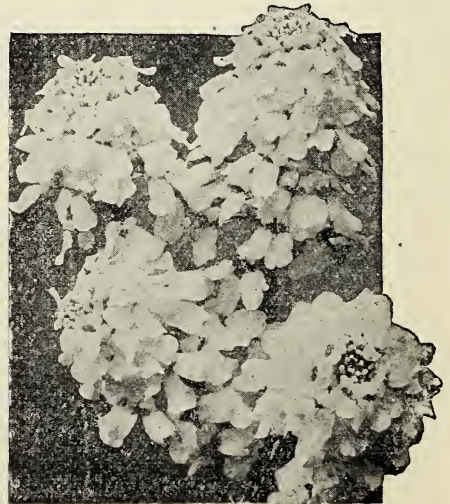
Calendula

CALLIOPSIS (SEE COREOPSIS) Showy, free-flowering annual, blooms all summer, fine for cutting and massing. Mixed colors, 10c pkt.

Golden Wave (DRUMMONDII) Large golden yellow with brown center, fine for borders. 10c.

COREOPSIS

Single Annuals. All single sorts have large flowers 2 to 4 inches in diameter, fine for beds or borders; 1 ft. high.



Candytuft



Bachelor's Button

CAMPANULA (BELLFLOWER) Favorite, hardy herbaceous with great profusion of bell flowers, thrives in light rich soil.

Carpatica. Blue and white, bloom the whole season, 6 inches. 10c.

Persicifolia Grandiflora. Fine hardy bell flowers 2 to 3 ft. blue or white. Mixed. 10c.

CANARY-BIRD VINE (TROPAEOLUM CANARIENSE) Handsome annual, rapid climber, charming little canary-colored blossoms bearing a fancied resemblance to a bird with wings half expanded. 10c.

CANDYTUFT (IBERIS) A great favorite, fine for cutting, looks best in beds or masses. Sow in spring will bloom until frost, very hardy, easily cultivated. Single plants look well and bloom profusely, 1 ft. **Carmine.** 10c.

White. 10c.

Crimson. 10c.

Empress. A complete mass of pure white flowers. 10c.

White Rocket. 10c.

White Hyacinth. Flowered. 10c.

Mixed Colors. 10c.

Perennial 10c.

CANNA (INDIAN SHOT) Without exception one of the handsomest bedding plants. Soak the seeds in warm water until they show evidence of swelling. When the second leaf is out pot singly and keep under glass until proper season for planting out. Plants only.

CANTERBURY BELL (CAMPANULA MEDIA) Medium (SINGLE CANTERBURY BELLS). The old-fashioned sort with beautiful, large bell-shaped blossoms; we offer three distinct colors and mixed, as follows: Blue, Rose, White. 10c pkt. Single. Mixed. 10c pkt. All the double-flowering medium varieties, ¼ oz. 50c; pkt. 10c.

Cup and Saucer (CALYCANHEMA) Rose Pink (Delicate rosy-pink), Blue (A fine clear shade), White (Pure white), Finest mixed (All colors of the Cup and Saucer type. ¼ oz. 60c; pkt. 10c.

CARNATION (SEE DIANTHUS) Great favorite for their delicious fragrance and richness of color, indispensable for winter or summer culture.

Marguerite Carnations. Very popular, as they begin flowering a few weeks from time of sowing, half dwarf, strong, requiring no support, produce long, strong stems, abundant, large double beautifully fringed, highly-scented flowers. Pink, White, Red, Yellow. 10c pkt.

Mixed Colors. 10c.

CASTOR OIL BEAN (SEE RICINUS).

CELOSIA CRISTATA or Cockscomb varieties.

Free-blooming annuals, plant in light soil not too rich, grand for border and fine for pots. (2½ to 3 feet.) These stately plants are considered among the most ornamental and should not be omitted in any garden. Form pyramidal bushes branching out in candelabra shape, the numerous massive plumes resemble ostrich feathers, wave gracefully above the foliage.

Empress Combs of colossal size known to measure 45 inches from tip to tip; rich crimson. 10c.

Glasgow Prize. Dark Crimson. 10c.

Dwarf. 8 inches high, sometimes measuring 2 ft. across. 10c. Mixed 10c.

CELOSIA PLUMOSA (FEATHERED COCKSCOMB) Crimson, white, yellow, mixed 10c, pkt.

CELOSIA CHILDSI (THE CHINESE WOOLFLOWER)

Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. Blooms until hit by frost. A deep, rich, dark crimson-scarlet. 10c pkt. Mixed. 10c.

CENTAUREA (OR BACHELOR BUTTON). Under this name is included the popular annuals like Corn Flower, Blue Bottle, Ragged Sailor, Sweet Sultans, etc. Great favorites, fine for cut flowers; white-leaved sorts, or Dusty Millers are largely used for bedding, vases, etc.

Sweet Sultans (CENTAUREA IMPERIALIS) Beautiful, sweet-scented, strong stems, when cut will stand for several days in good condition, of easy culture. Mixed colors, 10c. Named colors, 10c.

Giant Sweet Sultans (CENTAUREA ODERATA) or Giant Cornflowers, easy to cultivate, flowers 2 to 4 inches in diameter, very graceful, sweet-scented.

Corn Flower (CENTAUREA CYRANUS) Double blue, pink, white, mixed. 10c.

Gymnocarpa. Fine cut silvery foliage. 10c. pkt.

Candidissima. Broad cut silvery foliage. 10c. pkt.



Carnation

CHRYSANTHEMUMS. Annual sorts, showy, effective garden favorites. Dbl. mixed, 10c pkt. Sgl. mixed. 10c pkt.

CINERARIA. Seed may be sown from May to September in succession. Where only one sowing is made July should be preferred. Cinerarias grow so freely that the seedling may go straight from seed pans to thumb-pots. For transplanting plant in cold frame facing north, if possible. When pots become full of roots shift into larger ones until the flowering size is reached.

Dwarf Mixed. 35c per pkt.

Tall Mixed. 35c per pkt.

Stellata. (STAR CINERARIA) A charming variety with large spreading panicles of starry flowers. Same colors as the common Cineraria. The grace and elegance of the plant and flowers make them very effective for house or conservatory decoration; especially fine for church decoration and useful for cutting. 35c.

CLARKIA. This pretty and easily grown annual has been much improved in recent years, and the varieties offered below are now seen as cut flowers in most of the large cities of Europe; they do well either in sun or shade, growing 2 to 2½ feet high, with leafy racemes of double flowers, which all open in water when cut. Elegans Double Mixed. A fine mixture containing all the colors. 10c. pkt.

CLEMATIS. Rapid-growing climber, fine for arbors and verandas. Seeds are slow to germinate, and should be soaked in warm water 24 hours; hardy perennial, mixed colors. 10c pkt.

CLIANTHUS (AUSTRALIAN GLORY PEA) Beautiful, tender, perennial shrub with clusters of brilliant pea-shaped flowers, 3 inches in length, with large black blotch for center. 10c pkt.

COBAEA (CUPS AND SAUCERS VINE) A rapid climber fine for trellises, arbors, etc., clings to any rough surface. Place seeds in the ground edgewise and cover with light soil.

Purple, 10c pkt. **Pure white,** 10c pkt.

COLEUS (FLAME NETTLE) An attractive foliage plant for house or garden, very interesting to grow from seed, easily raised; sow in March or April. 15c pkt.

CONVOLVULUS (MORNING GLORY) Climbing varieties, very popular and one of the most free-flowering, rapid growing plants in cultivation; doing well in almost any situation, with beautiful brilliant flowers; annuals, 15 ft. Mixed colors 15c oz., 10c pkt.



Coreopsis

COREOPSIS (PERENNIAL) (SEE CALLIOPSIS) A very fine hardy plant with large, showy, bright, yellow flowers, produced in great abundance from June until frost, especially fine for cut flowers having long stems and lasting in good condition a week or more. These grow from seed, flowering the first year if sown early. 10c pkt.

LANCEOLATA GRANDIFLORA (PERENNIAL). Deep golden yellow, cup shaped flowers on fine stems for cutting. Flower is lanced. Sow in June and transplant 1½ to 2 feet apart. Give slight winter covering.



Cosmos

COSMOS. Beautiful autumn-blooming plant, producing thousands of beautiful flowers in pure white, pink and crimson shades; fine for autumn decoration when other flowers are scarce. Sow in spring in open ground when danger of frost is over, or may be started under cover and transplanted. Set about 18 inches apart in rows or in masses in beds. When about a foot high pinch the tops out to induce a bushy growth, 2½ to 4 ft. in height.

Early Crimson. Rich and deep. 10c.

Early Light Pink. A popular color. 10c.

Early Pure White. 10c.

Extra Early Mammoth Flowering. Mixed colors 10c. pkt

Extra Early Double Crested Cosmos, Mixed Colors, 15c pkt.

Mixed Mammoth Perfection. Late. 10c pkt.

CUCURBITA (SEE GOURD).

CYCLAMEN. Charming plant with richly colored foliage, fragrant flowers. Great favorites in winter or spring. Sow in spring or autumn.

Persicum. Choicest mixed. 35c pkt.

CYNOGLOSSUM. Amabile (Chinese Forget-me-not) sweet scented, ultra marine blue, 2 ft. . . . 10c pkt.

CYPRESS VINE (IPOMAEA QUAMOCLIT) A favorite summer climbing annual, with feathery foliage and star-shaped flowers borne in clusters.

White. 10c. pkt.

Scarlet. 10c pkt. (See cut next page).

Mixed Colors. 10c pkt.

DAHLIA. One of the best late summer and autumn flowering sorts, very popular. The double sorts will bloom first season if sown early. Single will bloom first season if sown in the open ground. Many prefer the single sorts to Cosmos, having the larger variety of colors and longer season of bloom.

Double, finest mixed. 10c. **Single,** finest mixed. 10c.



Cypress Vine

DATURA (TRUMPET FLOWER) Ornamental annuals, large showy flowers; 2 to 3 ft. Dbl. and sngl. 10c

DELPHINIUM (PERENNIAL LARKSPUR) One of the most handsome hardy perennials, splendid flowers and curiously cut leaves; for permanent beds and borders they are indispensable. Mixed, 10c pkt.

Gold Medal Hybrids. Mixed. 10c pkt.

Formosum. Popular for groups, tall spikes of dark blue flowers with white eyes, 2 to 3 ft. 10c pkt.

Belladonna. Clear Turquoise Blue. 10c. Choicest hybrids mixed. 10c.

Nudicaule. Large scarlet flower; 1½ ft. 10c pkt. Chinese. This is a perennial, but if planted early will bloom in August. Its foliage is small and is from 12 to 18 inches tall.

Blue Butterfly. Deep blue. 10c pkt.

Alba. Pure White. 10c pkt.

DIANTHUS or PINKS. A magnificent sort embracing some of the most popular flowers in cultivation, of great variety and brilliancy with profusion of bloom. The sorts classed as annuals may be sown out-of-doors when danger of frost is past. In a few weeks' time they are a mass of bloom continuing until frost; 1 ft.

Double Annuals.

Laciniatus Fl. Pl. Large double showy flower with fringed edges. Great variety of colors. 10c pkt.

Chinensis Fl. Pl. (CHINA OR INDIAN PINK). Mixed colors. 10c.

Heddewigi Fl. Pl. (JAPAN PINK) Double mixed. 10c.

Imperial Fl. Pl. (DOUBLE IMPERIAL PINK) mixed 10c.

Hardy Garden Pinks. The varieties are well adapted for beds and borders; delightful, refreshing, spicy odor, should be in every garden where cut flowers are wanted.

Semperflorens (Ever-blooming hardy garden Pinks) Very beautiful, sweet-scented, double, semi-double and single in great diversity of colors, mixed colors. 10c. (See Carnation) Carnations are general favorites for their delicious fragrance and richness of colors. They are indispensable for the green-house in winter and the garden in summer. The Marguerite is one of the best for summer flowering.

DIDISCUS. (BLUE LACE FLOWER). Very pretty annual, blooms profusely from July to November, pale lavender blossoms, excellent for cutting. 15c pkt.

DIGITALIS (FOXGLOVE) Handsome, ornamental, hardy perennial plant, easily grown, fine for shrubberies; 3 ft. Mixed colors. 10c pkt.

DIMORPHOTHECA (AFRICAN GOLDEN DAISY). *Aurantiaca Hybrida*. Beautiful new hybrids of the African Golden Daisy, and similar in habit to the parent; flowers equally as large, but varying in color from the purest white through the various shades of yellow and orange to rich salmon shades, many being zoned with several of these colors around the black disc. ¼ oz., 50 cts., 10c pkt.

DOLICHOS (HYACINTH BEAN) Rapid annual climber with large clusters of handsome flowers producing later in place of flowers, pods of a deep purple, very ornamental. Purple 10c. Mixed colors 10c pkt.

DRACAENA (DRAGON PLANT) Fine ornamental leaved plant. Mixed colors. 10c pkt.

ECHINOCYSTIS (WILD CUCUMBER VINE) Quickest growing vine known, fine for covering trellises, fences, etc. 10c pkt.

ENGLISH DAISY (BELLIS PERENNIS) A favorite almost hardy perennial; blooms from early spring until late in summer, easily raised from seed, 4 inches high. Dbl. mixed, finest quality 10c. White or pink 10c.

ERYNGIUM (SEA HOLLY) Handsome, ornamental hardy plant 2 to 3 ft. high. Fine for drying for winter bouquets. 15c pkt.

ESCHSCHOLTZIA (CALIFORNIA POPPY) Fine annual for beds; border or masses, bloom until frost, 1 ft. Sgl. mixed 10c pkt. dbl. mixed 10c pkt.

Golden West. Bright buttery yellow with orange centre. 10c pkt.

EUPHORBIA (SNOW ON THE MOUNTAIN) Strong, tall-growing annual, attractive foliage. 10c pkt.

FORGET-ME-NOT (SEE MYOSOTIS). 10c.

FOUR O'CLOCK

Marvel of Peru (MIRABILIS JALAPA). A well-known, handsome free-flowering garden favorite; does well everywhere; give each plant 12 to 18 inches of room. Fine mixed colors; 2 ft. 10c pkt.

FOX GLOVE (SEE DIGITALIS)

GAILLARDIA (BLANKET FLOWER) Annual Varieties. Splendid showy annuals, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom from early summer until November, excellent for beds, borders, or for cutting; should be sown where they are to bloom; 1½ ft.

Picta Mixed. Single sorts; fine colors. 10c pkt.

Double Flowering Mixed. A charming, profuse, double-flowering strain; beautiful mixed colors. 10c.

Hardy Perennial Varieties. 10c.



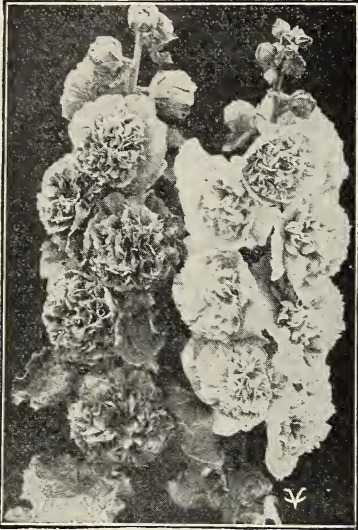
Dianthus (Sweet William)

GERANIUM (Pelargonium) Double mixed fine color. 15c pkt.

GEUM (COCCINEUM, MRS. BRADSHAW) An attractive perennial, growing 2 feet tall and bearing double orange scarlet flowers. 10c pkt.

GILIA (HARDY ANNUAL) An excellent cut flower of graceful appearance. The small round flower heads are produced abundantly on plants twenty inches high. Very free flowering. 10c pkt.

GLOBE AMARANTH (GOMPHRENA) Known as Bachelor's Buttons, fine bedding plant, flowers can be dried and be used in winter bouquets; 2 ft., mixed colors. 10c pkt.



Hollyhock

GLOXINIA. A superb greenhouse sort with magnificent rich colored flowers; do best in equal mixture of peat, loam and sand, mixed colors. 25c pkt.

GODETIA. An attractive, hardy annual, profuse, showy flowers of varied colors; 1½ ft. Mixed colors. 10c pkt.

GOURDS ORNAMENTAL (CUCURBITA) Rapid-growing, annual climbers, ornamental foliage; 15 to 20 ft. Mixed colors. 10c pkt.

GRASSES, ORNAMENTAL. These serve the double purpose of rendering mixed flower-beds on borders, attractive in summer and for use in a dried state in winter bouquets, for large beds or groups on lawns, nothing gives a finer effect; largely used in public parks.

Briza Maxima. Fine for grass bouquets. 10c.

Erianthus Ravennae (HARDY PAMPAS) Beautiful perennial. 10c.

Gynerium Argenteum (PAMPAS GRASS) Perennial, blooms the second season. 10c.

Stipa Pennata (FEATHER GRASS) Perennial, beautiful white, delicate, begins to bloom the second season; 2 ft. 10c.

GYPSOPHILA (BABY'S BREATH) Pretty free-flowering elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers.

Elegans Alba Grandiflora. 10c.

Paniculata. White flower, fine for bouquets; one of the favorite hardy perennials; blooms first year if sown early; 2 feet. 10c pkt.

HELIANTHUS (See Sunflower) Single and Double mixed. 10c pkt.

HELICHRYSUM (STRAW FLOWER)

Monstrosum Fl. Pl. The great demand for this popular Everlasting has induced us to show them in colors this season. Crimson (very rich), Fireball (bright red), Goldenball (Golden yellow), Rose Car-

mine (Rich and glossy), Silver Ball (Glistening white), Violet (very rich color), Mixed (all colors). 10c pkt.

HELIOTROPE (CHERRY PIE) Half-hardy perennial, flowering the whole season, very fragrant. Can also be trained as a greenhouse climber. Mixed colors. 10c

HIBISCUS (MARSHMALLOW) Showy, perennial plant with large beautiful colored flowers; 1½ ft. Mixed colors. 10c.

HOLLYHOCK. One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not attainable with any other plant. For planting among shrubbery or forming a background for other flowers, it is without equal. Seed sown any time before midsummer will produce fine plants for flowering next year. Double mixed. 10c pkt.

Double Varieties. The seed offered under this head has been saved from the finest double flowers only and is sure to produce satisfactory results. Maroon Rose, Red, Salmon-Rose, White, Yellow. 10c pkt.

Single Varieties. Mixed 10c pkt.

HONESTY (MOONWORT SATIN FLOWER) Hardy biennial, with silvery seed pouches, very attractive; 2 ft. 10c.

HUMULUS (JAPANESE HOP) Ornamental, fast-growing climber resembling the common hop. 10c

HUNNEMANNIA (GIANT YELLOW TULIP POPPY, OR BUSH ESCHSCHOLTZIA Fumariae-folia. This is by far the best of the poppy family for cutting, remaining in good condition for several days. Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup-yellow poppy-like blossoms, and never out of flower until hard frost. The plants grow about 2 feet high, are quite bushy, with beautiful feathery glaucous foliage. 10c.

IMPOEA. Climbers of very rapid growth, beautiful, varied flowers; for covering walls, arbors, stumps, etc.

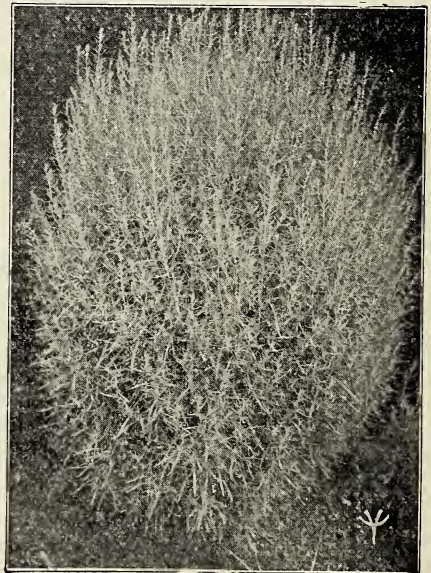
Quamoclit Hybrida (CARDINAL CLIMBERS). 10c. **Bona Nox (EVENING GLORY)** Violet, large fragrant flowers, expanding in the evening. 10c.

Rubra Coerulea (HEAVENLY BLUE) Bright sky blue. 10c.

Noctiflora (MOON FLOWER) Blooms at night and on dull days, pure white flowers, 5 to 6 inches in diameter, rapid climber. 10c.

IMPERIALIS JAPANESE (JAPANESE MORNING GLORY) Largest and handsomest of all Morning Glories. 10c pkt.

KENILWORTH IVY (See Linaria).



Kochia

KOCHIA (SUMMER CYPRESS, BELVEDERE) Burning Bush. *Trichophylla*. An easily-grown annual, which, sown thinly in spring, soon forms a cypress-like hedge of the most lively green and of perfect symmetry; by midsummer it attains a height of about 3 feet, and late in the autumn the whole plant becomes a deep red, a splendid plant to divide the vegetable garden from the flower garden, or for forming a hedge for the summer for any purpose. **10c. pkt.**



Larkspur

LADY SLIPPER (SEE CALCEOLARIA)

LANTANA. One of the most desirable half-hardy perennials, constantly in bloom, verberna-like heads of orange, white, rose and other colors; 2 to 3 ft. Mixed colors **10c.**

LARKSPUR (ANNUAL) These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The Emperor, Hyacinth-flowered and Branching varieties bloom a little later than the Stock-flowered. Sow seed in the open borders either in early spring or late fall so germination may take place very early in the spring.

Stock Flowered. Mixed, all colors. **10c pkt.**

Giant Hyacinth-flowered. Mixed, 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors. **10c pkt.**

Exquisite. Beautiful soft pink; highly prized for cut flower use. **15c pkt.**

LATHYRUS (EVERLASTING OR HARDY SWEET PEA) Free-flowering hardy perennial climber continually in bloom. Mixed colors. **15c pkt.** White **10c pkt.** Pink **10c pkt.**

LAVENDER (LAVANDULA VERA) Well-known, sweet-scented, hardy perennial; 3 ft. **10c pkt.**

LINARIA (KENILWORTH IVY) Charming small, hardy perennial, trailing plant. **10c pkt.**

LINUM or FLAX (SCARLET FLAX.) Brilliant crimson flowers, an inch or more across, and a continuous bloomer. Annual. Grows $1\frac{1}{2}$ to 2 feet high. **10c pkt.** Perennial Varieties Mixed. **10c pkt.**

LUPINUS (LUPINE) Annual Sorts. Free-flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade; 2 ft. Annual Mixed. All colors. **10c pkt.** Polyphyllus Sorts. Effective hardy perennials, succeeding in any good garden soil; blooms in May and June, 3 ft. Mixed. All colors, **10c pkt.**

LOBELIA. The following choice varieties of this popular and beautiful flowering plant will be found most desirable for pot culture, edgings, hanging-

baskets, etc., blooming profusely from June to November. *Cardinalis* is one of the finest native, hardy perennials.

Crystal Palace Compacta. Rich deep blue; dark foliage; the finest dark blue for bedding. **10c pkt.**

Gracilis. Light blue; light green foliage; trailing. **10c pkt.**

Cardinalis (CARDINAL FLOWER). A native variety, with spikes of brilliant scarlet flowers; fine hardy border plant; 3 ft. **15c pkt.**

LYCHNIS. Handsome hardy perennial, easy culture, fine for beds and borders. Mixed colors. **10c pkt.**

MARIGOLDS (TAGETES) The African and French Marigolds are valuable for their flowers in late summer and autumn and can be grown to advantage in little clumps, with other plants, in the front of shrubbery or in the garden border. The African varieties are the taller in growth, and produce large self-colored blossoms. The French varieties are smaller, some of them being elegantly striped and spotted. The dwarf-growing kinds make extremely handsome borders, being neat, compact plants, and remaining in full bloom until killed by frost. Seeds can be sown in the open border, or earlier, in a coldframe, and the young plants transplanted late in the spring to where they are to remain. They succeed best in a light soil, with full exposure to the sun. Annual.

AFRICAN MARIGOLDS

Pride of the Garden. The immense flowers of this grand variety are densely double, and of a beautiful golden yellow color. A notable feature is the compact, dwarf habit of the plant, which forms dense bushes fifteen to eighteen inches high and two feet across. **10c pkt.**

Orange Ball. Flowers very large, ten to fourteen inches in circumference, extremely double and quilled like a Dahlia. Plants 3 feet high. **10c pkt.**

Lemon Ball. Large lemon-colored flowers, fine for cutting. **10c pkt.**

Mixed Varieties. **10c pkt.**



Marigold

FRENCH MARIGOLDS

Gold Margin. Double. Flowers velvety maroon, margined with gold. Plant only eight inches high, bushy, compact, and free-flowering. **10c pkt.**

Dwarf Gold Striped. Double rich brown, striped golden yellow. **10c pkt.**

Dwarf Marigold, Little Brownie or Legion of Honor. A charming single-flowered plant, about six inches high. Very effective in masses or borders. Begins flowering extremely early, commencing in June. Color a brilliant gold, blotched with maroon. **10c pkt.**

MARIGOLD

Signata Pumila. Sunshine Marigold. One of the most beautiful plants for fall color, about eighteen inches high, very bushy habit, and each slender branch, which press close to the main stem, crowned by a delicate golden flower with orange center, forming a dense globular mass. Charming in a border or alone. **10c pkt.**

MARVEL OF PERU or FOUR O'CLOCK. The flowers of this old-time favorite open about four o'clock in the afternoon and fade the next morning. Two feet high, with bright foliage and fragrant flowers of desirable colors. Set plants two feet apart. Makes a nice hedge if set a foot apart. Seed should be planted in the open ground where plants are desired. The roots may be taken up in the autumn and preserved through the winter for spring planting, in the same manner as Dahlias. Marvel of Peru. Mixed colors. **10c pkt.**

MATRICARIA (Feverfew) Free-flowering, blooms until frost, hardy annual; 18 inches. Dbl. white **10c pkt.**

MIGNONETTE (RESEDA) (6 to 12 inches) No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

Golden Queen. Yellow. **10c pkt.**

Goliath. Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 in. long by 2 in. in diameter. **10c pkt.**

Machet. It is the best Mignonette for all purposes either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. **10c pkt.**

Mixed. Many shades and types. **10c pkt.**



Nasturtiums

MIMOSA (SENSITIVE PLANT) A curious, interesting annual with pinkish-white flowers, leaves low and droop when touched or shaken. **10c pkt.**

MIMULUS (MUSK PLANT) Very showy, profuse-flowering plant, half-hardy perennial, blooms first year if sown early; 1 ft. **15c pkt.**

Tigrinus (MONKEY FLOWER) Spotted variety. **15c.**

Moschatus (MUSK PLANT) Fine for hanging baskets, small yellow flowers, fragrant foliage. **15c pkt.**

MIRIBILIS (SEE MARVEL OF PERU). **10c pkt.**

MOMORDICA (BALSAM PEAR) Very curious climber, ornamental foliage, fruit golden yellow, opens when ripe, showing the seed and its beautiful carmine interior, fine for rock-work, etc., annual 10 ft. **10c.**

MORNING GLORY (SEE CONVULVULUS).

MUSK PLANT (SEE MIMULUS).

MYOSOTIS or FORGET-ME-NOT. Charming, low-growing plants, the bright flowers covering the plants in late spring. Seed sown at any time up to mid-summer will produce plants that will bloom the following spring. Prefer moist shady situation. The Alpestris varieties are very free flowering; they are practically biennial.

Dissitiflora. Of dwarf, compact habit, with sprays of large, exquisite blue flowers, especially adapted for planting among spring-flowering bulbs. **10c pkt.**

Alpestris, Indigo Blue. New, very fine. A deep indigo blue. **10c pkt.**

Palustris (True Forget-me-not). Blue, with yellow eye. Perennial. **15c pkt.**

Mixed Varieties. Seeds of the above varieties mixed. **10c pkt.**

NASTURTIUMS (TROPAEOLUM) For ease of culture, duration of bloom, brilliancy of color and general all around purposes nothing excels this popular variety. Plant in moderately good soil well drained, sunny position; quick growing and bloom profusely until hard frost comes.

Dwarf Nasturtiums. Any of the following named varieties, packet **15c.**; Yellow and Maroon Blotches, Crimson, Rose, Creamy White, Maroon, Mixed Colors.

Climbing Nasturtiums. Any of the following named varieties, packet **10c.**; Maroon, Salmony Rose, Scarlet, Orange, Creamy White, Mixed Colors.

NEMESIA (LARGE-FLOWERING HYBRIDS.) A very pretty annual, which does best in a cool position; the plants grow about a foot high, and the orchid-like flowers are very varied in color, including rose, yellow, blue, orange, etc. **10c pkt.**

NICOTIANA

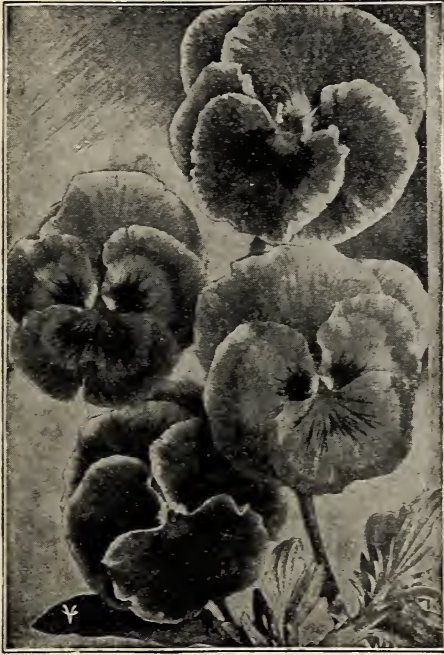
Affinis. One of the best Nicotianas we have ever grown. The plant attains the height of three feet and is covered with deliciously-scented, large, white flowers that open in their full glory in the evening and early morning. Easily grown from seed, and cuttings rooted in September will bloom freely in the winter. $\frac{1}{4}$ oz. **35c. pkt. 10c.**

Sanderae. The whole plant, from base to summit, is laden with flowers of an intensely glowing rosy carmine color, making it incomparably beautiful and charming. Easily grown. **10c pkt.**

NIGELLA (LOVE IN A MIST, OR DEVIL IN THE BUSH).
Damascena. A compact, free-flowering plant, with finely cut foliage, curious looking flowers and seed-pods; of easy culture, growing in any garden soil; hardy annuals; blue and white mixed; 1 ft. **10c pkt.**
Miss Jekyll. A lovely variety with cornflower-blue blossoms, splendid for cutting. **10c pkt.**

ORNAMENTAL GRASSES (SEE GRASSES).

PANSIES (GIANT FLOWERING) The Pansy gives an abundance of bloom until after severe frosts, endures our hard winters with safety, and greets us in the early spring with a profusion of bright blossoms. Pansies are at their best during the cool, moist weather of spring and fall. Seed sown in open ground in May or June will give fine blooms in late summer and autumn, and a good crop of flowers the following season if the plants are pinched back in early spring. Seed sown in mid-summer, where it can be shaded and watered will produce plants large enough to winter nicely and come into full bloom in early spring. Young plants give the largest flowers. Old, worn out plants should be replaced by young, vigorous plants.



Pansy

Triumph of Giants. A wonderful mixture of giant flowered pansies. 10c pkt.

Extra Large Flowered Exhibition Mixture. This strain will meet the demand for a real giant flowered fancy pansy. Comprises exquisite shades and colors. 25c pkt.

New Giant Orchid Flowered Mixture. 10c pkt.

Masterpiece Mixture. A special mixture of the Giant Frilled Pansies. A mixture of the finest of a remarkable type of Giant Flowering Pansies, the petals being beautifully waved or frilled. These extremely beautiful flowers come in a wide variety of colors, ranging from white to the deepest maroon or black, creamy yellow to orange, dainty rose to brilliant crimson. 15c pkt.

Mastodon Mixture. The finest thing obtainable in pansies. Wonderful rich colors. Very large. 25c pkt.

Violas or Tufted Pansies. While the Pansy Proper is a spring flower, violas flower throughout the entire season. Seeds sown in spring produce flowering plants by June which bloom until frost. Splendid mixed colors, fine varieties. 10c pkt.

PENTSTEMON (BEARD-TONGUE) One of the most beautiful attractive herbaceous plants; bearing long graceful spikes of rich colored flowers; if sown early and transplanted in May will bloom in July until frost, half-hardy perennial; 2 ft. Mixed colors. 10c.

PETUNIA (SINGLE-FLOWERED BEDDING) Bedding varieties are unsurpassed for massing. They will make a most showy bed, giving a profusion of flowers from early summer until severe frost.

Blotched and Striped, very symmetrically marked. 10c pkt.

Balcony Petunias. A splendid type for window boxes, hanging baskets and beds. Flowers over 3 inches across making a fine display all the season. Mixed colors. 15c pkt.

Rosy Morn. Dainty soft carmine-pink; white throat; fine for border. 10c pkt.

Extra Choice Mixed. Superb strain 10c pkt.

Fringed Giant. 20c pkt.

Giants of California. 35c pkt.

Double Mixed. 30c pkt.

PHLOX DRUMMONDI. Of all summer flowering annuals this variety is unquestionably one of the most brilliant and satisfactory. Seed may be sown in open ground after danger of frost is past and in a few weeks the beds or borders are all aglow with their brilliant coloring until cut down by the frost. For early flowering they should be started indoors.

Snow White, Shell Pink, Deep Rose, Bright Scarlet, Rich Crimson, Primrose, Soft Lilac, Choicest Mixed, Large-Flowering. 10c pkt.

Star Phlox (STAR OF QUEDLINBURG) Dwarf, pretty star-shaped flower. Mixed colors. 10c.

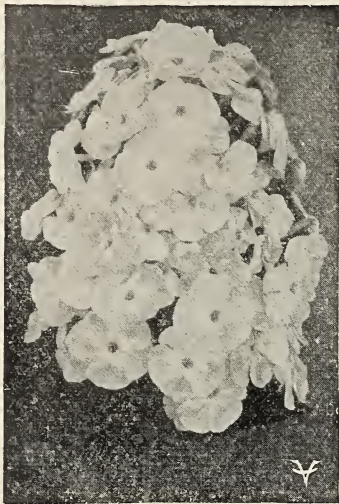
Hardy Perennial Phlox. All colors, mixed. 10c.

PHYSOSTEGIA (FALSE DRAGON HEAD) Virginica. One of the prettiest hardy perennials, and gaining in popularity as it becomes better known. It forms dense bushes, 3 to 4 feet high, bearing freely during the summer months spikes of delicate pink tubular flowers not unlike a gigantic heather. 10c.

PINKS (SEE DIANTHUS)



Pentstemon



Phlox Drummondii

PLATYCODON (BALLOON FLOWER, OR JAPANESE BELLFLOWER). One of the best hardy perennials, producing very showy flowers during the whole season. They form large clumps and are excellent for planting in permanent borders or among shrubbery; easily raised from seed, which begins blooming in August if sown outdoors in April. **10c pkt.**

POPPIES. An extremely popular brilliant flowering annual. Poppies should be sown where they are to remain, as they will not stand transplanting.

Single Annual Poppies. **10c pkt.**

Double Annual Poppies. Mixed colors. **5c.**

Paeony Flowered. Large showy, double mixed colors. **10c.**

Flanders Scarlet Single. **10c.**

Shirley. Mixed single and semi-double. Many colors. **10c pkt.**

Oriental Poppy. Perennial, exceedingly showy, scarlet with black centre. **10c pkt.**

Iceland Poppy (PERENNIAL) Mixed **10c.**

PORTULACA (SUN PLANT) Fine hardy annual, of easy culture, thrives best in rather rich, light, sandy loam and sunny situation, flowers of richest colors, blooming throughout the summer in great profusion, fine for beds, edging or rockwork; 6 inches. Sgl. mixed **10c.** Dbl. mixed **10c.**

PRIMULA. Charming beautiful Chinese Fringed Primrose, fine for winter or spring decorations. One of the most important winter-blooming pot plants. Sow from March to May. Mixed colors **35c.**

PRIMULA (OBCONICA GRANDIFLORA) Everblooming Mixed **25c.**

PRIMULA POLYANTHUS (PERENNIAL) **10c pkt.**

PYRETHRUM HYBRIDUM (PAINTED DAISY). Hardy perennial, bearing large Daisy or Cosmoslike flowers, ranging in color from white to deep red, with bright yellow centers; blooms in May and June, and again in the fall, and is one of the most graceful and long-lasting cut flowers. **10c pkt.**

Hybridum Fl. Pl. Seed saved from the finest double flowers; only a small percentage can be expected to come double the first year; mixed colors; 2 feet. **15c.**

RESEDA (SEE MIGNONETTE)

RHODANTHE (SWAN RIVER EVERLASTING) A charming annual; does well in a light rich soil and warm sheltered situation. Fine for pot culture, flowers everlasting. Mixed colors. **10c.**

RICINUS (CASTOR OIL BEAN) Ornamental plant of stately growth and picturesque flowers, brilliant colored fruit; fine for lawns or center plants for beds, mixed, all colors. **10c.**

RICINUS

Zanzibariensis. A distinct class, which surpasses in size and beauty all varieties. The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. The different varieties included in our mixture have light and dark green leaves and some of coppery-bronze, changing to dark green, with reddish ribs. The seeds are beautifully marked. **10c.**

SALPIGLOSSIS (PAINTED TONGUE) One of the greatest favorites among annuals. Partly on account of its easy culture, but mostly for its beautiful, almost orchid like flowers. Mixed sorts. **10c pkt.**

SALVIA (FLOWERING SAGE) A favorite bedding plant, bearing long spikes of flowers in great profusion from July until frost, half-hardy perennial, blooms the first year from seed sown indoors and transplanted when weather permits.

Splendens (SCARLET SAGE) Beautiful bright scarlet. **10c pkt.**

"Bonfire." This is one of the finest of the Scarlet Sages, growing in a compact bush 2 feet high by 2 feet in diameter. Its erect spikes of brilliant scarlet flowers stand clear above the dark green foliage and completely cover the plant. It attracts immediate attention in the garden, and is one of the most effective and gorgeous plants in cultivation. **10c pkt. Patens (BLUE SAGE). 15c.**

SCABIOSA (MOURNING BRIDE, SWEET SCABIOUS, PIN-CUSHION FLOWER, ETC.) The Annual Scabiosas are firm favorites by many of our customers. Seed can be sown any time in the spring after danger of frost is past. They grow about 2½ feet high, and come into bloom early in July, and continue without interruption until hard frost. The beautiful flowers in exquisite shades are borne on long stems, and when cut keep in perfect condition for the best part of a week. They make effective borders or beds, and no garden is complete without both the annual and perennial Scabiosas, especially where flowers are wanted for cutting. Mixed colors. **10c pkt.**

Hardy Perennial Scabiosas. (CAUCASICA, BLUE BONNET). One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water, color soft lavender-blue; 3 ft. **10c pkt.**

SCARLET RUNNER BEANS. Great favorite of England and continent of Europe, not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet blossoms. **5c pkt.**



Iceland Poppy



Schizanthus

SCHIZANTHUS (BUTTERFLY OR FRINGE FLOWER)
Splendid annual with a profusion of various colored flowers; fine for greenhouse decorations and flower garden, of easy culture. Mixed 15c pkt.

SHASTA DAISIES (CHRYSANTHEMUM LEUCANTHEMUM). A splendid hardy perennial variety with flowers rarely less than 5 inches across, of the purest glistening white with broad overlapping petals, and borne on long, strong stems; a beautiful cut flower, remaining in good condition a week or more. 10c pkt.

SMILAX (MYRSIPHYLLUM ASPARAGOIDES) In many respects the Smilax is the most useful, and certainly one of the most graceful climbers; for bouquets and floral decorations it is indispensable. A tender perennial; 10 ft. 10c pkt.

SNAP DRAGON (SEE ANTIRRHINUM)

SOLANUM (JERUSALEM CHERRY) Very useful pot plant for winter decoration, dwarf branching habit, leaves small and oval shaped, bearing in great profusion bright scarlet globular berries. 10c pkt.

STATICE An annual which is very desirable for rock gardens or border plant. Flowers are borne in racemes on long graceful stems and may be cut and dried like everlasting. Sow indoors during March or April and transplant to open ground after danger of frost is past. Height of plants two to two and one-half feet.

Sinnuata Mixed. A choice mixture in shades of blue, pink, yellow and white. Oz. 50c; pkt. 10c.

SWEET PEAS (How to grow sweet peas)

The soil for Sweet Peas should be rich and deep. A good rich loam, with plenty of well-rotted manure in it, is the ideal soil for raising good plants that will produce plenty of blooms. Considerable benefit has been noted from the use of Inoculating Culture. Seed may be sown out of doors as early in the season as the ground can be worked, usually the middle of March to the middle of April. Make a trench or furrow about 6 inches deep, in the bottom of which sow the seed. Cover with about one inch of soil, pressing it down firmly. As soon as they are above ground thin out to 2 or 4 inches apart. Use stout stakes on which wire netting has been fastened 5 feet above ground.

Water frequently in dry weather. Flowers should be cut often as to prevent running to seed.

SELECT GRANDIFLORA SWEET PEAS

Black Knight. Very deep maroon, shaded black. 10c pkt.

Dorothy Eckford. Magnificent pure white.

King Edward VII. The finest crimson-scarlet. 10c.

Lady Grisel Hamilton. Lavender. 10c.

Lord Nelson. The richest deep navy-blue. 10c.

Miss Willmot. Brilliant orange-pink; very large. 10c.

Prima Donna. A magnificent pure pink. 10c.
Price. Any of the above, 10c per pkt., oz. 20c.
Grandiflora. ¼ lb. 35c., ½ lb. 60c., lb. \$1.00.

SPENCER SWEET PEAS. The magnificent new Spencer Sweet Peas are rapidly displacing the older kinds. The plants make a vigorous growth and the flowers are extraordinarily large, being, when well grown, from two to two and one-half inches in diameter. In addition, the petals are beautifully waved or fluted, and in some of the newer Spencers the fluting is very pronounced. Practically the whole range of grandiflora varieties has now been duplicated in the Spencer type; but after careful trials we have selected the following list as embracing the Choicest of the Spencer Sweet Peas:

Appleblossom. Standard rose, showing veins of deeper rose. Wings light carmine; the whole color overspreads on primrose. 10c.

Asta Ohn. Charming soft lavender tinted with mauve pink. Packet 10c., ounce 45c.

Austin Frederick Imp. large pure lavender. 10c pkt.

Barbara. Bright salmon orange with dark stems. 10c pkt.

Campfire. Bright cerise scarlet. 10c.

Constance Hinton. Giant white. 10c pkt.

Crimson King. Rich oxblood crimson. 10c.

Dobbie's Cream. Deep cream. 10c pkt.

Elfrida Pearson. Giant blush pink. 10c pkt.

Fiery Cross. Bright orange cerise. 10c.

Florence Nightengale Lavender. 10c pkt.

Hawlmart. Rose, salmon-pink, rose-pink, flushed deep salmon. 10c.

Hercules. A rich pink flower, waved. 10c pkt.

Heavenly Blue. Delphinium blue. 10c pkt.

Hebe. Giant rosy pink. 10c pkt.

King White. Produces gigantic flowers absolutely pure white. 10c pkt.

Mary Pickford. Cream pink suffused with salmon. 10c pkt.

Miss California. Salmon pink. 10c pkt.

Mrs. Tom Jones. Brilliant blue. 10c pkt.

Royal Purple. Rich royal blue. 10c pkt.

Renown. Large carmine. 10c pkt.

Splendour. Rich maroon. 10c.

Youth. White, edged with a delicate soft rose pink.

Superb. Mixed. Per ounce 25c, ¼ lb. 85c. 1 lb. \$2.50.



Sweet Peas

STOKESIA (CORNFLOWER ASTER) *Cyanea*. This is not new, but is a rare and beautiful hardy perennial. The plant grows about 24 inches high, each bearing from 20 to 30 handsome lavender-blue cornflower-like blossoms; in bloom from July till frost. One of the choicest subjects for the hardy border, and indispensable for cutting. **10c.**

STOCKS. Cut-and-Come-Again 10-Week Stocks. Splendid perpetual-booming class, sown in March or April they begin flowering in July, continuing till frost, and are especially valuable during September and October, when other flowers are scarce; they throw out numerous side branches, all bearing very double, fragrant flowers. Finest Mixed, all colors. **10c per pkt.**

SUNFLOWER. These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and sub-tropical gardening; the dwarfier kinds, with smaller flowers, are charming when grouped in mixed flower borders. Excellent for cutting.

Large Flowered Tall. 10c.

Californicus Fl. Pl. 10 feet. Double dark yellow. **10c pkt.**

Double Mixed. 10c pkt.

Russian Mammoth. Single, of gigantic dimensions. 1 oz., **10c.**

SWEET ROCKET (HESPERIS) Old-fashioned garden plant, also known as Dame's Rocket and Dame's Violet; 2 to 3 ft. high with spikes of showy white, lilac and purple fragrant flowers, fine for shrubbery and permanent border. Mixed colors. **10c pkt.**

SWEET SULTAN. See *Centaurea*.

SWEET WILLIAM (DIANTHUS BARBATUS) (LONDON TUFTS). A well-known, attractive, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers. It is much better to raise new, vigorous, young plants from seed every season than to divide the old plants. **Pink Beauty**, deep pink. **10c pkt.**
Double mixed. 10c pkt.
Single Mixed. 10c pkt.

TAGETES (SEE MARIGOLDS AND CALENDULA).

THUNBERGIA (BLACK-EYED SUSAN) Beautiful rapid-growing climber used especially for hanging baskets, low fences, etc., flowers in buff, white, orange, etc., with dark eyes; mixed colors. **10c pkt.**

TORENIA. Fine annual; splendid plant for vases, hanging baskets, borders, etc., blooming the entire season. Blue, white, and yellow. **10c pkt.**

TROPAEOLUM (SEE NASTURTIUM).

VERBENAS. Unrivaled as low growing bedding plants. Long season of bloom. Very few plants will make such a gorgeous display during the summer

months as the Verbenas, or furnish more flowers for cutting. Start seed in the house or under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced readily from seed. They flower in July, and continue strong and healthy until after severe frosts.

Scarlet. Brightest scarlet. Quite true. **10c pkt.**

Pure White. Quite true from seed. **10c pkt.**

Blue. Shades of blue and purple. **10c pkt.**

Pink. 10c pkt.

Mixed Colors. 10c pkt.

Lemon Scented. 10c pkt.

VIOLA (SEE PANSIES).

VINCA (MADAGASCAR PERIWINKLE OR OLD MAID) Ornamental free-blooming plant, fine for bedding, flower from seed the first season, continuing until frost or they may be potted and kept in bloom through the winter, 2 ft. **Rose 10c., White 10c., Mixed 10c.**

WALLFLOWER. Well-known deliciously fragrant half hardy perennials, blooming early in the spring, with spikes of beautiful flowers. They should be protected in a cold frame in the winter and planted out in April.

Single Mixed. All colors. 10c pkt.

Double Finest Mixed. 10c pkt.

WILD CUCUMBER (SEE ECHINOCYSTIS). 10c pkt.

WILD GARDEN FLOWER SEEDS. Under this heading we offer a mixture of the easiest and surest growing kinds that can be sown broadcast, and with little or no care will produce a bright effect in places that would otherwise be nothing but a collection of unsightly weeds, and furnishing an abundance of flowers for cutting. **10c pkt.**

ZINNIAS (YOUTH AND OLD AGE) One of the most brilliant and showy of annuals. An old and continued favorite. The seed can be sown early and transplanted or sown later in open ground. They come into bloom early in summer, and continue until hard frost.

Double Giants. Mixed colors. 10c pkt.

Giant Mammoth. Enchantress—light rose with deep rose center.

Miss Willmott, soft pink; Orange King, Orange; Lemon Queen, Yellow; Scarlet Gem, Scarlet; Rose Queen, Deep rose. **Each 15c pkt.**

Mixed colors. **10c pkt.**

Dahlia Flowered. The latest development in Zinnias, bears flowers of mammoth size resembling a decorative Dahlia. Our special strain is grown by the originator of this type. Mixed colors, **15c pkt.**

FEED FLOWERS ASPIRIN

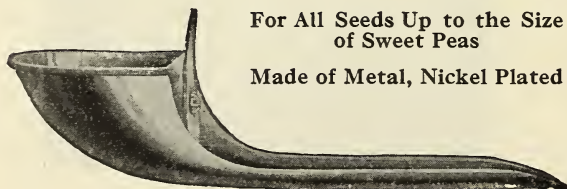
Cut flowers may be prevented from fading by giving them an aspirin tablet. Norman D. Keefer, pharmacist at Mt. Alto, Pa., says that by this method he preserved flowers for several days beyond the time when they ordinarily would fade and has revived them when wilted.

SOWRITE SEED-SOWER

Sows Seeds at a Touch

For All Seeds Up to the Size
of Sweet Peas

Made of Metal, Nickel Plated



It is for the finest seeds as well as seeds of larger size, like Pansies, Snapdragon, etc. Amateurs sowing fine seeds like it better. They easily get the knack of handling it when first they try some seeds on a table cloth. This little sower is filling a long felt want among lovers of good gardens and flowers.

The graduating hole controls the outflow of even the finest seeds. Price \$1.25. Order now.

List of Plants, Grown from Seed, Suitable for Special Purposes and Different Situations

The lists below were compiled for your convenience so that you can readily select proper varieties for different purposes or locations. These lists are by no means complete, but merely suggestive. Each variety, throughout the catalog, is clearly described; height,

growing habits and for what purposes they are best suited. Directions how to plant are printed on every package of Ebeling Flower Seeds. Your success is our success—we are as much interested as you are in the results obtained from sowing Ebeling Seeds.

Plants Suitable for Pots

Abutilon
Ageratum
Alyssum
Antirrhinum
Asparagus
Blue Daisy
Brachycome
Butterfly Flower
Calceolaria
Calendula
Carnation
Cineraria
Coleus
Cyclamen
Geranium
Gloxinia
Heliotrope
Lantana
Lemon Verbena
Lobelia
Mignonette
Petunia
Phlox
Primula
Stocks
Vinca,

Climbing and Trailing Vines

Adlumia
Ampelopsis
Balloon Vine
Canary Bird Flower
Cardinal Climber
Clematis
Cobæa
Cypress Vine
Everlasting Pea
Gourds
Ipomœa
Japanese Hop Vine
Kudzu Vine, Japanese
Morning Glory
Nasturtium, Tall
Smilax
Sweet Peas
Thunbergia

Plants Suitable for Edging or Bordering Walks and Beds

African Gold Daisy
Ageratum
Alyssum
Antirrhinum
Arabis
Brachycome
Calliopsis, Dwarf
Candytuft
Carnation
Centaurea, Gymnocarpa
Coleus
Daisy, English
Dianthus

Eschscholtzia
Euphorbia, Variegata
Gypsophila
Kochia
Lobelia
Marigold, French
Mignonette
Myosotis
Nasturtium, Dwarf
Nigella
Pansy
Petunia
Phlox Drummondii
Portulaca
Salvia
Statice
Stocks
Sweet William
Verbena
Vinea
Zinnia

Plants Succeeding in Partial Shade

Anchusa, Capensis
Antirrhinum
Aquilegia
Begonia
Butterfly Flower
Campanula
Coreopsis
Daisy, English
Delphinium
Digitalis
Feverfew
Myosotis
Poppy, Hardy
Viola

Long Stemmed Flowers for Cutting

Antirrhinum
Arctotis
Aster
Blue Lace Flower
Calendula
Celosia
Centaurea
Chrysanthemum
Coreopsis
Cosmos
Dahlia
Delphinium
Gaillardia
Gypsophila
Larkspur
Marigold
Mignonette
Pyrethrum
Salpiglossis
Scabiosa
Sunflower
Sweet Peas
Woolflower
Zinnia

Drooping Plants Suitable for Vases, Hanging Baskets, Porch Boxes, etc.

Alyssum, Sweet
Asparagus
Centaurea, Gymnocarpa
Lantana
Nasturtium
Oxalis
Petunia
Smilax
Thunbergia

Everlasting or Straw Flowers to Dry for Winter Bouquets

Acroclinium
Everlasting Mixed
Globe Amaranth
Gypsophila
Helichrysum
Ornamental Grasses
Pampas Grass
Statice

List of Hardy Perennial Flower Seeds

Achillea, Ptarmica fl. pl., "The Pearl" (Double White Yarrow). A fine white cut flower, blooms all summer
Aconitum Napellus (Monkshood)
Adlumia Cirrhosa. A nice climber, flesh color
Agrostemma Coronaria Bright crimson
Agrostemma Coronaria Alba. White
Alyssum Saxatile Compactum. Yellow
Ampelopsis Veitchi (Boston Ivy).
Anchusa Italica Drop-more Variety. Dark blue
Anemone Coronaria Mixed colors
St. Brigid. Semi-double, fine
Anthemis Kelwayi, Yellow
Aquilegias
Arabis Alpina. White spring flower
Aster Perennial. Finest Mixed
Baptisia Australis (False Indigo)
Campanulas
Centaurea Montana Hardy Cornflower, Blue

Coreopsis
Delphiniums
Dianthus
Digitalis
Gaillardias
Geum
Mrs. Bradshaw. Double orange scarlet
Grasses, Ornamental
Gynerium Argenteum (Pampas Grass)
Pennistum Japonicum (Hardy Fountain Grass)
Stipa Pennata (Feather Grass)
Gypsophilas
Hibiscus
Hollyhocks
Honesty (Lunaria biennis) White
Iberis Gibraltarica Hybrid. Lilac White
Sempervirens. Hardy white candytuft
Lathyrus Latifolius Albus, "White Pearl"
Pink Beauty. Pink and white
Red Mixed. All colors
Lavandula Vera. True lavender
Linaria Cymbalaria (Kenilworth Ivy)
Linum Perenne. Blue
Lupinus
Lychnis Chalcedonica, Scarlet
Papaver or Poppy
Pentstemon Barbatus Torreyii. Scarlet
Fine Mixed
Phlox Decussata. Extra choice mixed
Physalis Francheti Chinese Lantern Plant
Platycodon Grandiflora, Blue
Polyanthus Finest Mixed
Pueraria Thunbergiana, (Kudzu Vine)
Pyrethrums
Salvia Paten. Sky blue
Statice Latifolia. Purplish blue
Mixed Varieties
Stokesia
Sweet Rocket (Hesperis). Mixed
Sweet William
Veronica Spicata. Bright blue

Spring Bulbs

GLADIOLI, TUBE ROSES, CALADIUM MADEIRA VINES

GLADIOLI

America

Soft flesh pink. 5c each; 50c dozen.

Anna Eberius

Dark purple, 7c each; 75c dozen.

Baron Hulot

Rich violet blue. 10c each; \$1.00 dozen.

Chicadee

An extra early variety of merit. Eosine pink with light yellow blotches on lower petals. 10c each; \$1.00 dozen.

Crimson Glow

Brilliant crimson. 10c each; \$1.00 dozen.

Evelyn Kirtland

A splendid variety with large flowers of rosy pink at the edges passing to shell-pink in the throat, with fiery scarlet blotches on lower petals. 7c each; \$1.00 per doz.

Mrs. H. E. Bothin

Salmon pink, scarlet center ruffled. 8c each; 85c dozen.

Halley

Delicate salmon pink, early. 5c each; 60c dozen.

Herada

Pure mauve with deeper markings in the throat. 8c each; 85c dozen.

Le Marechal Foch

Early light salmon pink, very large. 6c each; 60c dozen.

Lucette (BILL'S ORIGATION)

As seen growing in the fields it appears to be absolutely pure white, but back of petals carry a trace of phlox pink which imparts an alluring orchid sheen to the flowers. Lower petals also have a dainty subdued feather of wonderfully soft phlox pink. pkt. 10c; \$1.00 doz.

Mary Pickford (KUNDERD)

Wonderful creamy white with handsome heavy spikes showing many flowers open at once. 10c each; \$1.00 dozen.

Opalescent (BILL'S ORIGATION)

Wonderful spikes of very large pale rose lavender. A pure self color with soft lilac throat lines. A vigorous grower with excellent foliage and strong, straight bloom stalks. Flowers well placed with broad petals of good substances. 15c each; \$1.50 dozen.

Priority

Tall, straight and strong. Large open flowers. Color is Venetian pink, shaded darker toward the tips. Faint central lines and feather of deep rose pink. 15c each; \$1.50 dozen.

Mrs. Frank Pendleton

Straight spikes. A lovely salmon-pink with brilliant deep red blotches in the throat. 10c each; \$1.00 per dozen.

Rose Ash

Ashes of roses. 10c each; \$1.00 dozen.

1910 Rose (KUNDERD)

Pure rose shade with white central lines on lower petals. 10c each; \$1.00 dozen.

Scarlet Princeps

Large scarlet. 10c each; \$1.00 dozen.

Schwaben

Pure yellow, red stripes on lower petals. 7c each; 75c dozen.

E. J. Shaylor

Deep rose pink, ruffled. 7c each; 75c dozen.

Theda

EARLIER THAN HALLEY. GREAT FOR FORCING! Large open flowers, well placed on tall stems. Most delicate Shrimp pink gradually blending to soft Pinard yellow in the throat with Pansy violet lines on the lower petals. 10c each; \$1.00 dozen.

Vanity (BILL'S ORIGATION)

Delicate LaFrance Pink flushed over cream ground. Very large flowers of airy graceful type with slightly reflexed petals. 10c each. \$1.00 dozen.

Fine Mixture

50c dozen; 50 bulbs \$1.75; 100 bulbs \$3.00.

DAHLIAS

In wide range of colors and types from 10c to 25c each.

CANNAS

Large bronze leaf. 10c each; \$1.00 dozen.

Indiana

Green foliage, golden orange flower. 10c each; \$1.00 dozen.

King Humbert

Bronze foliage, red blossom. 10c each; \$1.00 dozen.

Yellow King Humbert

Yellow blossom, green leaves. 12c each; \$1.25 dozen.

Florence Vaughan

Green foliage with yellow blossoms. 8c each; 85c dozen.

TUBEROSES

Dwarf Pearl Excelsior 10c each; \$1.00 dozen.

CALADIUM or Elephant's Ear

15c to 25c

Scarlet Runner Beans.

Wonderful climbers, quick growing also delicious, edible bean as well as ornamental climber. 15c ¼ lb.; 50c lb.

White Runner Bean

Same as scarlet except their being white. 15c ¼ lb.; 50c lb.

About September first next we issue our Annual Catalogue of Choice Dutch Bulbs and Seeds for Fall Planting. It will be sent free to all customers without ordering it, and to others who apply for it.

Plants for Spring Planting

Cauliflower	Egg Plant	Aster
Cabbage	Pepper	Verbenas
Celery	English Daisy	Snap Dragon
Tomato	Salvia	Pansy

Bulbs for Spring Planting

Cannas	Dahlia
Gladioli	Tube-roses
Caladium	Madeira Vines

Ideal Power Lawn Mowers

Real Lawn Builders and Labor Savers

The Ideal "Thirty"

Every lawn, whether it covers a large area, or is only a few hundred feet in size, can be kept attractive at a lower cost.

By applying motive power to mowing, an appreciable saving is made in labor—lawn maintenance, in fact, is more than cut in two—with Ideal Power Mowers.

There are Ideal Mowers for every size and kind of lawn—for large public or private grounds—for the smallest lawns—and all do fast work—improve beauty and reduce costs. **Rolls your Lawn every time it is cut, keeps it in fine condition.**

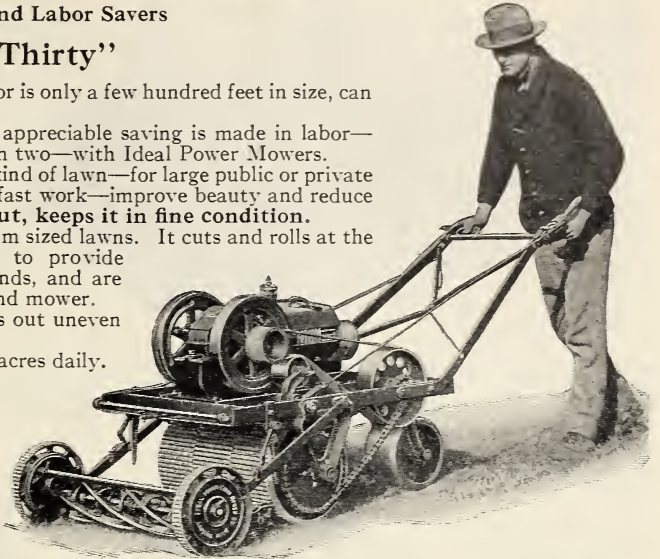
A TWO-PURPOSE mower for large and medium sized lawns. It cuts and rolls at the same time. Cutting units are suspended to provide flexibility for close work over irregular grounds, and are pushed ahead of the mower the same as a hand mower.

The built-in traction roller constantly irons out uneven spots, maintaining a perfectly level lawn.

Cuts a 30-inch swath, mowing from 5 to 7 acres daily.

The Ideal "Twenty-Two"

The "Twenty-two" is exactly the same general makeup as the larger 30" mower. The "Twenty-two" is suitable for smaller lawns where the value of double utility and rolling feature is desired.



Ideal Wheel Type Mower, Two Sizes

Designed for steep grades and heavy duty mowing.

The Ideal wheel type mowers are built in two sizes, one having 20-inch cut and one having 25-inch cut.

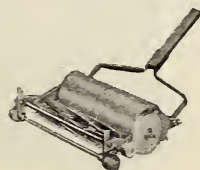


Two Sizes
"Twenty"
and
"Twenty-Five"

These mowers while well adapted to any grass areas, are particularly well suited for use on lawns having steep grades to negotiate or where the grounds have many walks, trees, shrubs, drives, etc., that require short turning and manipulating in close quarters. Both of these machines are recommended especially for cemetery work. They

are also valuable on the ordinary estate and the small "Twenty" in particular is well suited to moderate home lawns also as an auxiliary mower where larger equipment is used.

Ideal Roller Greens Mower



See Description.

1929 PRICE LIST OF IDEAL POWER MOWERS

Ideal 20-inch Power Mower, wheel type.....	\$ 190.00
Extra for Grass Catcher.....	5.00
Ideal 22-inch Power Mower, roller type with one cutting unit.....	255.00
Extra for one additional 22-inch cutting unit.....	52.50
Extra for Grass Catcher.....	8.00
Ideal 25-inch Power Mower, wheel type complete.....	285.00
Extra for Grass Catcher.....	5.50
Extra for Riding Trailer.....	20.00
Ideal 30-inch Power Mower, roller type with one cutting unit.....	375.00
Extra for Riding Trailer.....	20.00
Extra for one additional cutting Unit.....	62.50
Extra for Grass Catcher.....	10.00
Ideal Greens Mower, roller type, 18-inch.....	62.00
Grass Catcher and Deflector.....	6.50
Rubber Tired Carrier for transporting.....	4.50
Ideal Bull-Dog, five unit, Gang Mower complete.....	650.00
Extra for additional Units, each.....	90.00
Three Unit type for Tractor Hitch.....	400.00
Extra for each additional Unit.....	90.00
Ideal 84-inch Power Triplex Mower, complete with three cutting units.....	1,200.00
Extra for each additional cutting unit.....	90.00
Extra for 8-inch Extension Rims.....	50.00

Ideal Roller Greens Mower

The lightest and easiest running putting green mower on the market, and a mower that will do an absolutely smooth, clean job of cutting on the very finest of greens.

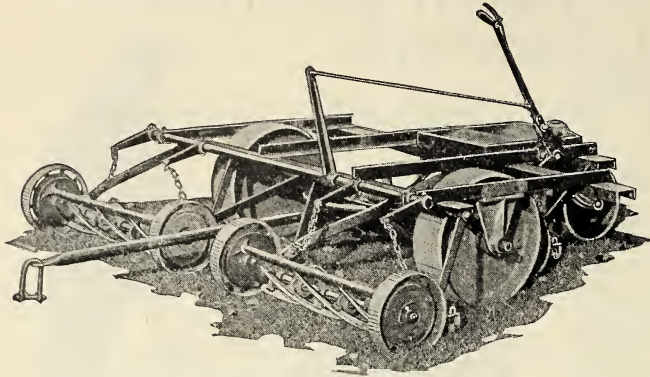
Drive rollers and side frames of aluminum. Drive rollers are machine turned absolutely round. Ball bearings used throughout. Alemite pressure lubrication. Mower easily sharpened by removing cap from side frame and reversing motion of the reel by means of small crank furnished with each mower.

Width of cut—18 in. Adjustment—Simple and positive. Grass catcher and deflector—easily accessible; all metal construction.

47 lbs. without grass catcher and deflector.
54 lbs. with catcher and deflector.

Price, mower only.....	\$62.00
Rubber Tired Carrier for transporting.....	4.50
Grass Catcher and Deflector.....	6.50

Ideal Bulldog Tractor and Horse Drawn Gang Mower



For mowing large grass areas and golf fairways, large parks, cemetery developments, etc. Ideal Bulldog gang mowers are built in two sizes for use with tractor or in case of the three unit machine, also as horse drawn mower.

The five unit size cuts a swath of 138" and is designed to use with satisfactory tractor and recommended for the 18-hole golf course and similar large grass areas.

The three unit mower cuts a swath of 84" and is provided with tractor hitch or as a horse drawn mower with thills for one horse or pole for team. A splendid outfit for the average 9-hole golf course, park or new cemetery development.

A feature of these Bulldog mowers is their sturdy construction and close

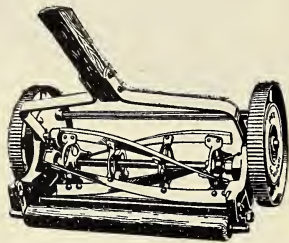
coupled compact cutting units that stand up and give long service in heavy duty mowing.

Price 5-unit mower complete.....\$650.00
Extra Units..... 90.00

Price 3-unit mower complete.....\$400.00
Extra Units..... 90.00

Wolverine Hand Mowers

The Wolverine is a high grade sturdily built hand mower recommended particularly for large lawns, parks and cemeteries, equipped with the high grade bearings, dust proof bushings, special handle clamp, double tie rod frame and very simple yet positive adjustment. Built throughout for long life. Easy running and does splendid work.



Price, 16".....\$22.00 Price, 18".....\$24.00

Ideal Golf Cart



The Ideal Cart is an indispensable tool around the golf course and also a handy implement for the park superintendent or for use around the cemetery, subdivision developments or any place where a quick dumping, big capacity tractor drawn cart is needed.

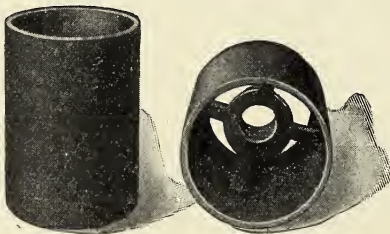
Its well made hardwood body is mounted on an all steel chassis having wide 10" faced wheels that are 36" high and permit the box dumping at a very sharp angle for unloading.

Cart is supplied with plain bearings or roller bearings as desired.

Specifications

Capacity 30 cubic feet; Box 24 x 44 x 52
Wheels 36" high, 10" crown rim; Weights 650 pounds.
Plain Bearings....\$95.00 Roller Bearings...\$110.00

Cast Iron Hole Rims



An indestructible one-piece all cast rim that remains round and true. 1 1/8" ferrule opening with wide opening for quick drainage. Eliminates the annoyance encountered with the ordinary sheet metal rims.

Price, each \$1.50

Golf Flags and Poles

High grade basswood flag poles, tapered to 1/2" top, bottom 1 1/8". Metal ferrule top and bottom.

Ideal Flag Poles.....\$1.50

Golf Flags made from navy double warp wool bunting, muslin numbers.

Furnished in white with red numbers—red with white or black numbers—orange with black or white numbers.

Set numbered 1 to 9...\$ 8.00 (without figures \$5.00)
Set numbered 1 to 18... 15.00 (without figures 9.00)

Direction flags furnished in following colors: Red, white, orange, blue, green, canary, each \$1.00.

Triangle shape direction flags in red, white, orange, blue, green, canary, each 75c.

Easy Lawn Mower

This mower cuts very close to walks, walls and fences. Fine for mounds and terraces. A great labor-saver in cutting and trimming bunkers on Golf Links. Will save the price of the mower in a short time if used on bunker work alone.

10-inch.....\$20.00 12-inch.....\$23.00
14-inch..... 26.00 16-inch..... 29.00

Kemp's Soil Shredder

Makes a perfect top dressing. Will reduce cost down to 30c per cubic yd. over the old screen method of \$4.00 to \$5.00 per cubic yd. Will pay more than its cost the first year. Ask for booklet and prices.

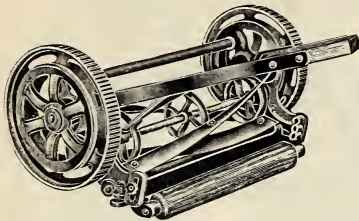
Any kind of soil, sod, clay or manure can be shredded to just the right texture.

Equipped with gasoline or electric motors.

No. 1 Electric....\$260.00 No. 2 Electric....\$400.00
No. 1 Gas..... 260.00 No. 2 Gas..... 400.00
Extra for Screen.. 65.00 Extra for screen.. 65.00

Automatic

Automobile Quality Fafnir Ball Bearings



Automatically Adjusted

Four Draw-cut Blades. Skeleton Frame and Wheels. 10-Inch Wheels. Crucible Steel Drawcut Wiper Blades. Stationary Knife, Auto-

matically Sharpened, Adjusting Screws, Will Not Loosen, Roller Brackets, Will Not Break.

Lawn Mowers

Price List—1929

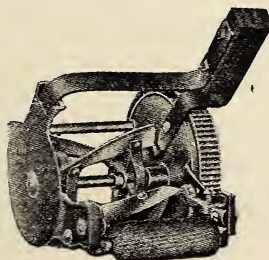
Special Yankee	
10-inch, 8-inch wheel, 3 blades.....	\$ 6.50
12-inch, 8-inch wheel, 3 blades.....	6.90
Cadet	
12-inch, 8-inch wheel, 3 blades.....	6.90
Drawcut Special	
14-inch, 9-inch wheel, 4 blades.....	10.00
16-inch, 9-inch wheel, 4 blades.....	10.90
Lakewood	
14-inch, 9-inch wheel, 4 blades.....	11.75
16-inch, 9-inch wheel, 4 blades.....	12.75
Automatic	
12-inch, 10-inch wheel, 4 blades.....	13.00
14-inch, 10-inch wheel, 4 blades.....	13.25
16-inch, 10-inch wheel, 4 blades.....	14.50
Great American	
15-inch, 10-inch wheel, 5 blades.....	20.00
17-inch, 10-inch wheel, 5 blades.....	22.00
19-inch, 10-inch wheel, 5 blades.....	24.00
Ideal Wolverine	
16-inch, 4 or 5 blade.....	22.00
18-inch, 4 or 5 blade.....	24.00
Putting Green	
18-inch, 10-inch wheel, 7 blades.....	62.00
Hercules (Timken & Hyatt Roller Bearings)	
16-inch, 10-inch wheel, 4 blades.....	28.00
18-inch, 10-inch wheel, 4 blades.....	30.00
"Easy" Lawn Mower	
10-inch, reel drive, 4 blades.....	20.00
12-inch, reel drive, 4 blades.....	23.00
14-inch, reel drive, 4 blades.....	26.00
16-inch, reel drive, 4 blades.....	29.00
Universal Trimmer	9.75
Coldwell Trimmer	
8-inch.....	11.50
Grass Catchers "Braum"	
17-inch.....	3.50
19-inch.....	4.50
Grass Catchers	1.25
Grass Catchers	1.50

Lawn Trimmer

For trimming around walks, flower beds, trees, posts, monuments and shrubbery, and all places that cannot be reached with any lawn mower. Cuts within one-fourth of an inch of the edge.

Has a revolving cutter with four crucible steel blades, tempered in oil and cuts six inches wide.

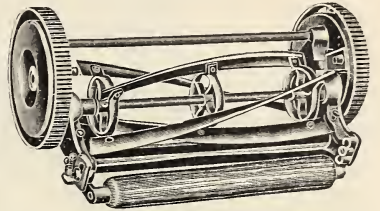
Price \$9.75.



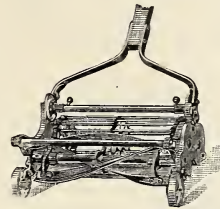
Drawcut Special

High Wheel

Nine-Inch Wheels, Four Drawcut Blades, Self - Adjusting Ball Bearings, Dust Proof Oil Cups.



Easy Lawn Mower



This mower cuts very close to walks, walls and fences. Fine for mounds and terraces. A great labor-saver in cutting and trimming bunkers on Golf Links. Will save the price of the mower in a short time—if used on bunker work alone.

10-inch.....	\$20.00	12-inch.....	\$23.00
14-inch.....	26.00	16-inch.....	29.00

Horse Lawn Mower

Pennsylvania Standard or Regular Style

25-in. Pony, with wooden rear roller (draw bale only).....	4-blade cylinder \$ 60.00
30-in. with draw bale only.....	100.00
30-in. with seats and shafts.....	120.00
38-in. with draw bale only.....	130.00
38-in. with seats and shafts.....	155.00

Water Weight Lawn Rollers

Price List—1928

No. 2 Plain-bearing, size 14 x 24	
Weight empty..68 lbs.	Weight filled..... 200 lbs.
Price.....	\$13.00
No. 4 Plain-bearing, size 18 x 24	
Weight empty..82 lbs.	Weight filled..... 300 lbs.
Price.....	\$16.00
No. 7 Roller-bearing, size 24 x 24	
Weight empty..95 lbs.	Weight filled..... 500 lbs.
Price.....	\$22.50

Every Lawn Mower sold by us will be guaranteed to do its work in a satisfactory manner. Use the best of oil and use it freely.

USE "OUR EVERGREEN LAWN SEED"—See page 1.

"Little Wonder" Hedge Trimmer
30 inch size \$35.00

The Little Wonder Hedge Trimmer cuts every variety of hedge grown, five to ten times as fast as by hand.

Will trim a hedge to any shape and cut wanted, various attachments and adjustments being provided for each type.

Cuts sides of square or pivot top hedges 10 feet high with the operators standing on the ground.



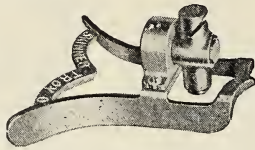
Prices Subject to Change Without Notice.

Skinner System Lawn Sprinklers

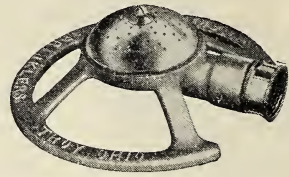
Efficient—Sturdy—Fully Guaranteed

THE TU-WAY

Two sprinklers in one. Exactly the sprinkler for small lawns or odd shaped spaces. The full head covers a circle 30 ft. in diameter. By giving the nozzle a half turn, you can water half circles. Just what you need for borders and narrow spaces. Weighs less than a pound. Built to last for years. Price **\$1.30** postpaid.

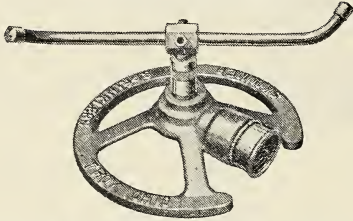


LAWN LIFE SPRINKLER



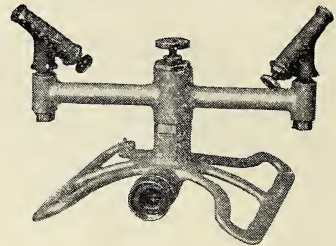
Beautiful in action. The finely broken streams rise in a fountain-like shape and spread over a circle 35 ft. in diameter. The center disc is of heavy brass with carefully drilled holes providing for even water distribution. The brass swivel hose coupling makes the connection easy and prevents turning over under high pressure. Price **\$1.10** postpaid.

GRASS GROWER



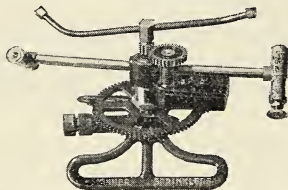
A whirling sprinkler unequalled for durability and efficiency. Nozzle arms of rust resisting brass. Bearing of Tobin bronze. The two nozzles at center and three openings in each nozzle arm spread a finely broken mist over a circle 40 to 50 feet in diameter when operated at 25 lbs. or more pressure. Price **\$2.25** postpaid.

THE SOD-SOAKER



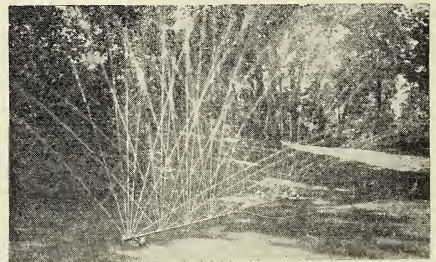
Very high quality throughout. Nozzles are adjustable for every angle, or the coarse or fine spray. This sprinkler can be changed from a rotary to stationary one by the simple turn of the knurled wheel in center. Bearings are Tobin bronze and guaranteed for years of hard service. Price **\$4.90** postpaid.

ROTO-RAIN



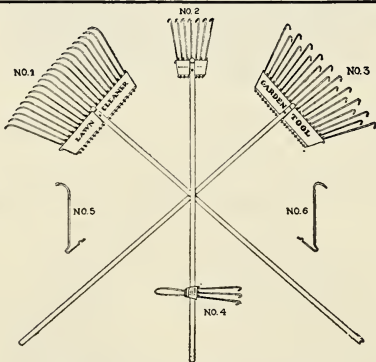
This powerful large area sprinkler is particularly adapted to the watering of golf greens and large lawns. The large nozzles are quickly and easily adjusted to spray any size circle from 20 ft. to 80 ft. in diameter. All working parts of bronze or brass. Base hot dipped galvanized. A real sprinkler for a big job. Price **\$15.75** postpaid.

FAMOUS PEACOCK



The most popular special pipe sprinkler ever made. The nozzles, eight in a group, are arranged in spiral shape giving out a spray similar in shape to a peacock's tail.

These sprinklers are made in two lengths 12½ ft. and 7 ft., called Peacock Sr. and Peacock Jr. Shipped carefully crated and ready to use. Always sent by express. Prices **\$15.00** and **\$8.50**, F. O. B. Syracuse



RAKE LIKE YOU SWEEP—Cut lawn and garden labor in half. Three tools in one, snap tooth principle. Quickly changed over to three different uses. Galvanized iron channels with two rows of slots into which tooth snaps into place. No bolts, nuts or screws to bother with—you merely remove or change the teeth to conform to the work. More than twenty practical changes can be made from the combined tools. **SNAP TOOTH RAKES**—No. 1 **\$1.00**; No. 2 **\$.85**; No. 3 **\$1.25**.

Write Us for Information Concerning
**Skinner System Overhead
and Concealed Irrigation**

Auto-Spray No. 9

Capacity About 3½ Gallons



This is the strongest and simplest compressed air sprayer on the market.

Brown Compressed Air Sprayers

- Auto-Spray No. 1
- Auto-Spray No. 1A—Brass tank with Stop-Cock and 2 foot brass extension... \$9.25
- Auto-Spray No. 1B—Brass tank with Auto-Pop and 2 foot brass extension... 9.75
- Auto-Spray No. 1C—Galvanized tank with Stop-Cock and 2 foot galvanized extension... 6.25
- Auto-Spray No. 1D—Galvanized tank with Auto-Pop and 2 foot galvanized extension... 6.75

Auto-Spray No. 9

- Auto-Spray No. 9B—Brass tank with Auto-Pop and 2 foot brass extension... 9.75
- Auto-Spray No. 9D—Galvanized tank with Auto-Pop and 2 foot Galvanized extension... 6.75
- Auto-Spray No. 100
- Auto-Spray No. 100B—Brass tank with Auto-Pop and 2 foot brass extension... 11.00
- Auto-Spray No. 100D—Galvanized tank with Auto-Pop and 2 foot galvanized extension... 7.25

Victory No. 201-D

- Victory No. 201D—Galvanized tank with Auto-Pop... 5.85

Auto-Spray No. 50

- Auto-Spray No. 50B—Brass tank with Auto-Pop and 18 inch brass extension... 8.35
- Auto-Spray No. 50D—Galvanized tank with Auto-Pop and 18 inch galvanized extension... 5.90

Extra Equipment

- Extension Pipe—2 foot length, solid brass, each... .50
- Elbow extension—Solid brass... .35
- Strainer—Solid Brass... 1.20
- Strainer—Galvanized... .70
- Two-Row Attachment—Solid brass, 1 nozzle... 1.50
- Stop-Cock—Brass... .50
- Auto-Pop Nozzle... .60
- Auto-Pop including nozzle... 1.50
- Auto-Pop with hose and fittings (Specify for No. 1, 9, 50, 100 or Victory)... 2.00
- Set Soft parts (Specify if for No. 1, 9, 100, 50 or Victory)... .25
- Torch... 1.20

Bamboo Extensions

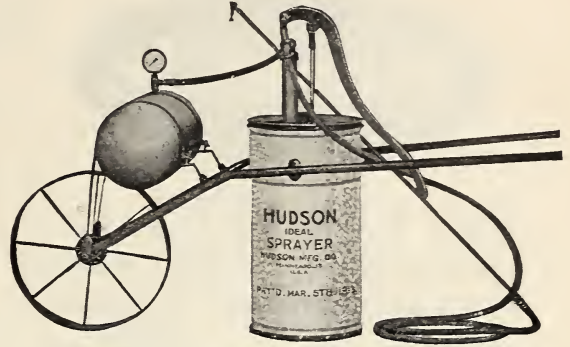
- Bamboo, brass-lined, with stop cock, 8 foot... 3.50
- Bamboo, brass-lined extension with stop-cock, 9 foot... 3.70
- Bamboo, brass-lined extension with stop-cock 10 foot... 3.90
- Bamboo, brass-lined extension with stop-cock 12 foot... 4.30
- Bamboo, brass-lined extension with stop-cock 20 foot... 6.00

Miscellaneous

Nozzles

- Non-Clog Junior Brass, either straight or 45 degree angle... .75
- One-Point Vermorel... .75
- Auto-Spray Nozzle... .60
- Bordeaux Nozzle... .60

Hudson Ideal Sprayers



The Ideal is a high pressure, portable outfit. It is an exceptionally handy outfit for the orchardist or fruit grower, stock barns, cattle pens, poultry houses, etc., and is a practical outfit for whitewash and cold water paints.

Capacity, 15 gallons. Equipment consists of 12½ feet of ½-inch spray hose, an 8-foot iron pipe extension, brass leakless shut-off valve and Ideal angle spray nozzle.

- No. 33 Ideal—Complete... \$36.00
- No. 32 Ideal—Less pressure tank and gauge... 24.50

Hudson Compressed Air Sprayers

Hudson Jr. Sprayer, \$5.00

Is ideal for the yard, garden or small truck farm; for poultry house, dairy, hog pen, stable, etc.

- Junior Galvanized Sprayer, 2½ gal... 5.00

Hudson Favorite Sprayer, \$6.00

This sprayer is especially adapted for the garden, small truck farm, poultry house, the dairy, hog pen, etc.

- Favorite Galvanized Sprayer, 4 gal... 6.00

Hudson Perfection Sprayer, \$7.00

Especially adapted for applying white wash, cold water paints, floor oils, varnishes, shingle stain. For removing old wall paper, resizing walls, etc. Used in the orchard, truck garden, potato and tobacco fields, dairies, hog pens, poultry houses, etc.

Fine for washing your autos, windows, sprinkling lawns or in emergencies to extinguish small fires.

Perfection Galvanized Sprayer, 4 gal... 7.00

We also carry a complete line of everything in larger sizes of spraying machines, also in the smaller sizes—not indicated above.

Goulds Barrel Sprayers

Pomona Outfit A.
Sprayer with agitator and one lead of 15 feet of ¾-inch spray hose, with "Mistry Jr." Spray Nozzle.

With barrel (50 gallons)... \$42.00

Pomona Outfit B.
Same as above, except with two leads of hose and two nozzles. (See cut.)

With barrel (50 gallons)... \$48.00

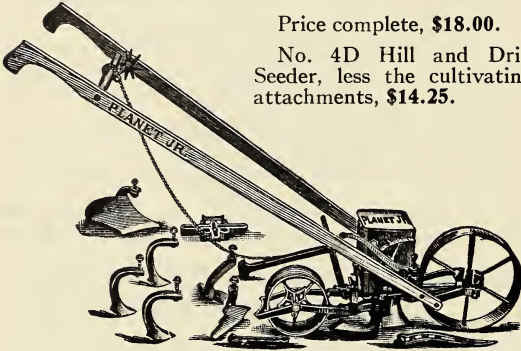
Extra trunnions for barrel, \$1.00 per pair.



Planet Jr.

No. 4 PLANET Jr.

**Combined Hill and Drill Seeder,
Wheel Hoe, Cultivator and Plow**



Price complete, \$18.00.

No. 4D Hill and Drill
Seeder, less the cultivating
attachments, \$14.25.

This accurate, durable and easy-running tool sows all garden seeds from the smallest up to peas and beans in hills 4, 6, 8, 12 or 24 inches apart, or in drills at the proper thickness and depth; rolling down and marking out the next row all at one passage. No time is lost. No seed wasted. Change from seeder to wheel hoe is made quickly. Makes the care of a garden a pleasure as well as very profitable. Can be used successfully by men, women or growing boys.

No. 18 Planet Jr. Single Wheel Hoe \$5.75

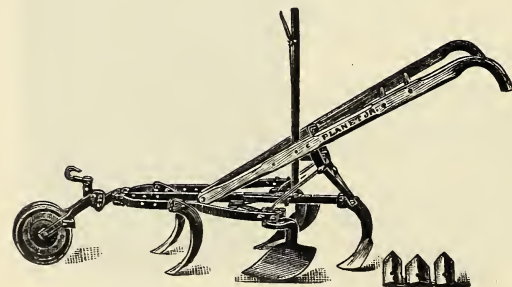
The No. 18 is the No. 17 without the plow and cultivator teeth, which can be added at any time if wanted. The hoes, the most valuable of the wheel hoe attachments, hoe completely all the space between 12 and 14-inch rows in the most perfect manner. They leave the ground level.

Step in and inspect our Planet Jr. tools.

Planet Jr. Horse Hoes and Cultivators

No. 9 Planet Jr. Horse Hoe and Cultivator

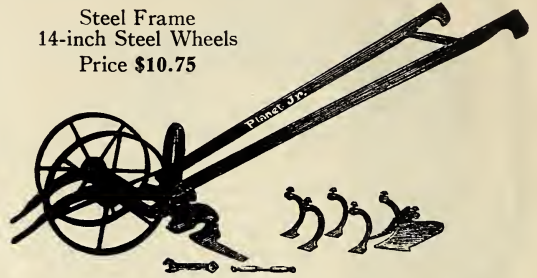
No. 9 Price \$14.50
No. 9E Price \$13.00



Garden Implements

No. 12 Combined Double and Single Wheel Hoe, Cultivator and Plow

Steel Frame
14-inch Steel Wheels
Price \$10.75



A double and single wheel hoe in one, with high arch so that crops can be straddled until 20 inches high—quicker and cleaner work. May then be used between the rows with one or two wheels.

Will do almost any kind of garden work—plowing, harrowing, hoeing, cultivating, opening furrows, covering and hilling, and useful throughout the season.

Tools are of special design and specially hardened, giving elegant satisfaction and long service.

No. 13, with Side Hoes only \$8.00

No. 17 Planet Jr. Single Wheel Hoe

Price \$7.75

Steel Frame and Wheel
No. 17½—Less Plow
Price \$6.75



Single Wheel Hoes are the most popular hand cultivating tools for general work. They have a great variety of attachments which adapt them to almost any kind of garden work. They are generally used between rows, but by mounting the wheel on the other side of the arm, can be used to hoe both sides at once, while plants are small.

The No. 9 has become popular because of its strength, lightness, easy change of width, and perfection of work, and is a favorite. All steels especially hardened and efficient. The handles are adjustable in height and also sidewise.

Planet Jr. Seven-Tooth Horse Hoes and Cultivators

No. 82	Price		\$15.75
No. 82E	Price		14.50
No. 91	Price		13.75
No. 101	Price		11.00
No. 101D	Price		9.25
No. 107	Price		12.75

Planet Jr. Seed Drills

The success of your crops depends on good seeding and thorough cultivation. Both these operations a Planet Jr. will do in a fraction of the time required by old methods and with a fraction of the labor. Fifty years of study and experiment have resulted in several types of Planet Jr. Implements which combine in the highest degree effective work, ease of handling and wear-resisting quality.

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

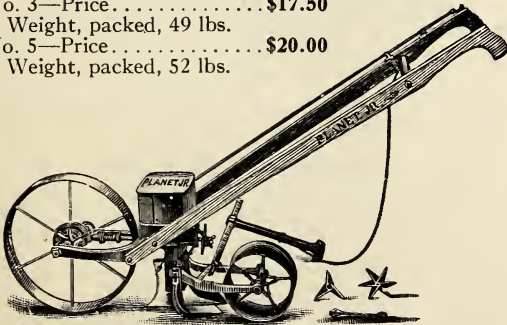
Holds 2 1/4 Quarts of Seed
Price \$21.50



Has the same simple, accurate seeding device as the No. 4, but as a wheel hoe can be used with either one or two wheels. It is especially suitable for the larger family garden where the rows are long enough to warrant the use of a double wheel hoe. Straddles the row in crops like beets, carrots, beans, peas, lettuce, onions, radish, spinach, etc., during the entire season, permitting closer, cleaner work. Tools especially designed and oil-tempered.

No. 3 PLANET Jr. Hill and Drill Seeder

- No. 3—Price.....\$17.50
Weight, packed, 49 lbs.
- No. 5—Price.....\$20.00
Weight, packed, 52 lbs.



The No. 3 driving wheel is steel, with heavy forged steel spokes, not "piano wire," of proper height, with broad face, making the tool light and easy running, even with the hopper filled to the brim.

The special force feed is admirable, working equally well whether sowing with an ounce or a full hopper. Holds 3 quarts.

The hill dropping is simple and reliable, making hills 4, 6, 8, 12 or 24 inches apart.

No. 5 Planet Jr. Hill and Drill Seeder

16 1/2-inch steel wheel. Sheet steel hopper holding 5 quarts. Built on the same lines as No. 3 Drill, only larger.

No. 35 Planet Jr. Seeder Attachment. Price \$6.50

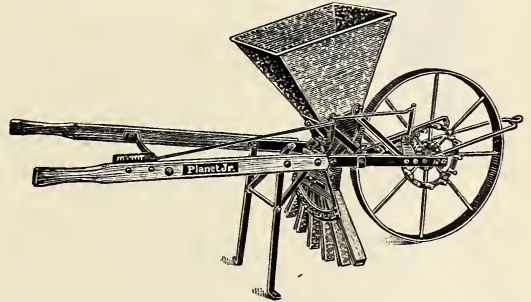
With handle, \$7.25
Weight, 16 lbs.;
with handle, 17 lbs.



This seeder can be attached to any Planet Jr. Single or Double Wheel Hoe or Garden Plow except Firefly and No. 19 with a single bolt and will be found particularly suitable for the small kitchen garden. It will plant practically all seeds in a straight, continuous row, at a uniform depth, in a fraction of the time required by hand and infinitely better. Everyone having a wheel hoe should have this attachment. Also furnished with a handle so it can be used as a separate machine. Hopper holds 1 pint.

No. 220 PLANET Jr. Fertilizer Distributor

Saves Time, Money—Produces Bigger Crops



The No. 220 spreads fertilizer from 4 to 30 inches on the ground. The hopper capacity is one bushel and the weight of the load is placed over the wheel, making it easy to push.

The No. 220 will distribute fertilizer in the middles of three rows 12 to 14 inches apart; it will side-dress one side each of two rows up to 36 inches apart. You can use it in very narrow rows—as close as 9 inches. You can use it in 42 to 48-inch rows by closing off the flow in three spouts and distributing through the other three—either on the right or left hand side.

The simplicity, efficiency, and long wearing qualities of the No. 220 will appeal to everyone. No chains, gears, or canvas belts to break, rust, tear or stick.

PRICE \$27.00

The Cyclone Seed Sower

This is the cheapest Crank Seeder on the market, and equal to the best for quality of work it does and durability. Don't pay \$5.00 for a seeder when you can get its equal for less money.

Will sow Wheat, Oats, Rice, Flax, Millet, Turnip Seed, Clover Seed, Grass Seed, including Light grasses; in fact any kind of Seed broadcast. Also Plaster, Fertilizer, Salt, Ashes, etc. Price \$3.50.

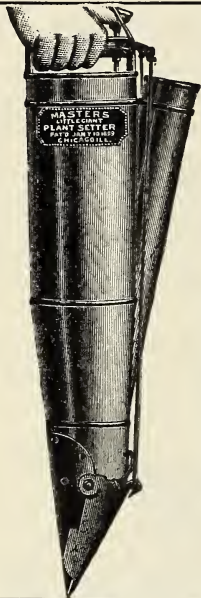
They save one-third seed and two-thirds labor.

Clark "CUTAWAY"

Double Action Disc Harrow

Once going over is equal to four times with a Single Disc Harrow. It's a wonder in making a perfect seed bed.

- A-4 Double Action Cutaway, 2-horse hitch..... \$70.00
- A-5 Double Action Cutaway, 4-horse hitch..... 85.00
- A-6 Double Action Cutaway, 4-horse hitch..... 95.00



Masters Plant Setter

A wonderful labor saving tool or transplanting Cabbage, Tobacco, Tomato, Sweet Potato, Cauliflower, Egg-Plant, Strawberry and all similar plants.

This Setter was originally designed to set cabbage plants, but has since been used with great success for many other plants.

Each plant is SET, WATERED and COVERED in one operation. The roots are firmly set by the absorption of the water almost as if they had grown there and every plant will grow even in the hottest, dryest weather. You can set your plants just when you are ready regardless of the weather.

It is easy, pleasant work. You can set 8,000 to 15,000 plants per day and do perfect work.

A LABOR SAVER

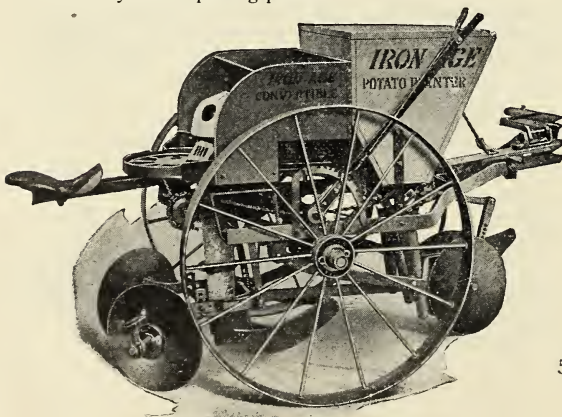
Price \$6.50

John Deere No. 999 Corn Planter The Accurate "Natural Drop" Planter

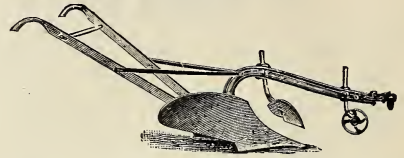
Field tests have proved that the John Deere No. 999 Planter is accurate. Change in drop to 2, 3 or 4 kernels per hill can be made instantly without stopping the team, and drill distances can be varied just as easily. Special plates for a great variety of seeds. Price, \$115.00 complete. Less Fertilizer attachment. \$90.00.

IRON AGE POTATO PLANTER Price \$150.00

Plants one seed piece in every space and one only. Makes a perfect stand possible and saves at least one bushel of seed per acre. Plants 9 to 24 inches apart. With or without fertilizer distributor, regular or large size. Also, with seed box extension if wanted. Choice of four styles of opening plows.



Syracuse Chilled Plows Steel Beam



Syracuse chilled plows are regarded as the highest-grade chilled plows made. They are steady running, easily handled and have superior turning qualities.

- No. 53-L Wood Beam 1-horse wheel only..... \$19.00
 - No. 401 cuts furrow 12 to 15 inches wide, 5 to 8 inches deep. Price..... \$28.00
 - No. 402 cuts furrow 11 to 13 inches wide, 5 to 7 inches deep. Price..... \$27.00
 - No. 403 cuts furrow 9 to 12 inches wide, 4 to 6 inches deep. Price..... \$26.00
- Special cash discount on Syracuse Plows.

Munsville Plows

- No. 10 Steel Plow..... \$27.00
- No. 5 Steel Plow..... 25.00
- No. 2 1/2 Steel 1-horse..... 22.00
- No. 2 1/2 Chilled 1-horse..... 20.00

Dutton Steel and Chilled Plows The Best Low-Priced Plow on the Market

- Dutton Iron Beam No. 2..... \$23.00
- Dutton Steel Beam No. 2..... 25.00

John Deere Two-way Sulky Plow

Just the plow you need for work on hillsides as well as on level fields and in stony land. Wide tread prevents tipping. Each bottom is independent of the other, with separate depth adjusting lever and lifting device. Your choice of four types of bottoms. Price, \$100.00.

HARROWS

- 30-tooth peg, 1-section Harrow..... \$12.00
 - 50-tooth peg, 2-section Harrow..... 23.00
 - 60-tooth peg, 2-section Harrow..... 25.00
 - 15-tooth, spring Tooth Harrow..... 28.00
 - 17-tooth, spring Tooth Harrow..... 30.00
 - 23-tooth, spring Tooth Harrow..... 44.00
 - 25-tooth, spring Tooth Harrow..... 46.00
- Less 10% discount for cash on these harrows

John Deere Single Disc Harrows MODEL "B"—THREE-LEVER

- Flexible, with Spring Pressure Lever, Hard Oilers and Scrapers, Without Weight Boxes
- No. BY416—8, 16-in. discs, cuts 4 feet, 2-horse evener and pole, each..... \$50.00
 - No. BY516—10, 16-in. discs, cuts 5 feet, 2-horse evener and pole, each..... 55.00
 - No. BY616—12, 16-in. discs, cuts 6 feet, 3-horse evener and pole, with set over irons, each..... 62.00

Double Disc Harrows

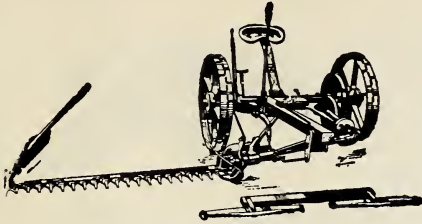
- 16, 16-in. discs, cuts 4 feet, 4-horse evener..... \$100.00
 - 20, 16-in. discs, cuts 5 feet, 4-horse evener..... 110.00
 - 24, 16-in. discs, cuts 6 feet, 4-horse evener..... 120.00
- Less Special Discount for Cash

Onion Set Planter

Backaches and heartaches were once thought necessary evils at planting time, but not any more. With S. & H. One-Row Set Onion Planter one man can plant an acre per day.

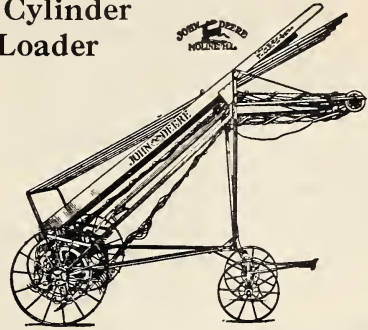
The S. & H. opens furrow, drops the sets, or bulblets, and covers. Plants any size onion sets, any depth and any amount. Plants as even as an onion drill plants onion seed. Plants also, peach and plum pits, lima beans and large seeds. Plants as fast as a man can walk and never injures a set or bulblet. Price, one row, \$68.00; two row, \$125.00; three row, \$185.00.

Emerson Vertical Lift Mower



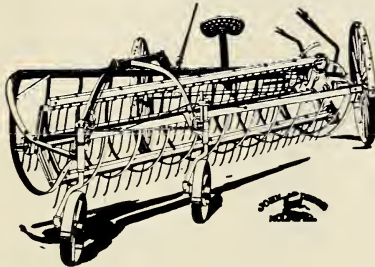
The only successful vertical lift Mower on the market. The main frame is one solid, unyielding piece of iron. This insures perfect meshing of the gears and holds all parts securely in place.

Double Cylinder Hay Loader



The Double Cylinder Hay Loader successfully handles anything from the lightest swath to the heaviest windrow. The rear or gathering cylinder is far enough back of the frame to get all the hay, but still leave the trash. This cylinder moves slowly, thereby handling the hay without damaging the foliage.

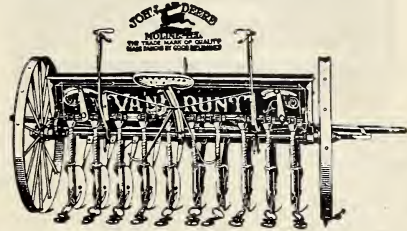
John Deere-Dain System Rake



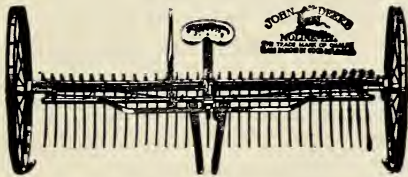
The Rake With the Inclined Frame, Vertical Lift and Convenient Levers

The rake that enables you to make higher price hay by curing it "Nature's Way"—air-curing it.

Single and Double Disc Drill



For more than half a century these drills have stood for the best in drill construction and have been the leaders. From the first, all effort has been two-fold—first, to make a perfect seeding machine and second, to construct that machine so as to give long life and constant service. These Drills today fulfill this ideal.



Self Dump Steel Horse Rake, made in 8, 9, 10 and 12 ft., 20 to 40 teeth. Get our prices before buying.

Martin Ditchers and Graders

Are in Use in Every Country in the World Wherever Ditching, Terracing or Grading is Done
 Built for Horse or Tractor
 "No Soil Too Tough"

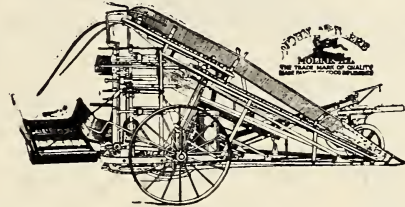
- Model 20—2½ to 4 horses or tractor, wt. 379 lbs. **\$80.00**
- Model 20A—7 ft. cutting blade, 4 to 6 horses or tractor, weight 422 lbs. **95.00**
- Model 20B—2 to 3 horses or tractor, wt. 331 lbs. **75.00**
- Seats are extra for any model, wt. 15 lbs. **3.75**
- Road Drag and Snow Blade for any model, extra **12.00**

Bennett Corn Harvester

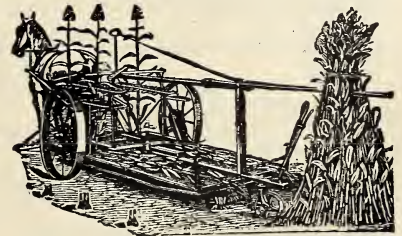
The Bennett Corn Harvester is the best investment for Ensilage Corn harvesting. It is cheaper and more economical. Costs about one-third of an ordinary corn harvester. Cost of up-keep per year is very little—only a few dollars each year. Will cut corn drilled as well as in the hill. Can be worked by one, two or more men. It is strictly a one-horse corn harvester. The vibrating and stationary knives prevent clogging. A. M. Hardy of Marcellus has used one during the past season and is greatly pleased with it. You are welcome to ask him about it. Price **\$95.00** for one row corn harvester.

Can be used on wet ground where the ordinary heavy corn binder fails to work. Ask for catalogue.

John Deere Corn Binders



- Corn Binder with Pole Attachment, 3-horse Evener and Power Bundle Carrier **\$225.00**
- Corn Binder with Pole Attachment, 3-horse Evener less Power Bundle Carrier **215.00**
- Corn Binder with Tongue Truck, 3-horse Evener and Power Bundle Carrier **250.00**
- Corn Binder with Tongue Truck, 3-horse Evener, less Power Bundle Carrier **230.00**



"Good machinery makes a good farmer better" Special prices for cash on all Machinery

Acme Pulverizing Harrow

Standard 2-Row Riding Harrow

For Two Horses, cuts 6 ft. 6 in. \$30.00
 For Two Horses, cuts 8 ft. 6 in. 38.00

Land Rollers

Steel Roller, 24-inch, two sections \$46.00
 24-inch, three sections, steel 50.00
 Wood Stave Roller, two sections 50.00

The Improved Three-Row Corn Marker

This cut shows our Steel Wing Marker. It is adjustable to mark any width row and any depth desired.
 Three-Row Marker for two horses, **\$18.00.**

Nonpareil Salt, Lime and Fertilizer Broadcasters



This Broadcaster will sow Lime, Salt, Plaster and Ashes; they also handle perfectly all kinds of fertilizers. Quantity can be changed instantly by one lever in center of hopper.
 10 bu. size **\$55.00**; 15 bu. size **\$58.00.**

New Idea Spreader

This Wagon Style of Manure Spreader will go through gates, barn doors, stables, etc. Easy to load. Easy to haul. The best, lowest in price, most durable Manure Spreader on the market. 50 bu. **\$160.00**; 70 bu. **\$175.00.**

Cross Endgate Spreader

Fits any wagon box 42 inches or less in width. Will spread from 150 lbs. up to 5 tons to the acre. Has a spread of about 20 ft. All bearings are on the outside. Has clutch and lever for throwing in and out of gear. Sows close to the ground. Sows all fertilizers—lime, limestone (wet or dry). Weight 150 lbs. Price **\$40.00.**

Thompson's Lime Spreader

For Hand Use

For Calcium, Chloride, fertilizers, etc. Price **\$48.00**

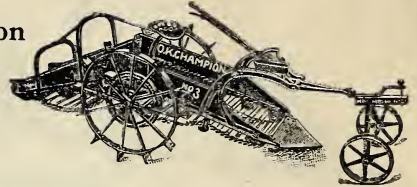
Bargains in Tools and Implements

We offer at an especially low price the following list of tools and implements—every one of which is a genuine bargain and can be seen at our warehouse. Some of these have been somewhat used.

- 5 Queen Coal-Burning Brooder, 52-inch canopy, 500 chick.
- 6 Reliable Coal-Burning Brooder, 42-inch canopy, 350 chick.
- All new and in good condition. We offer these at a special money saving price.
- One 8-ft. Pergola or Arbor with two seats. Good as new. Never used—at special price.
- 1 3-horse Gas Engine.
- 1 18 H.P. Birdsall Engine in good condition.
- 1 30-inch Bolens Power Mower.
- 1 No. 20 McWhorter Fertilizer Sower.
- 1 Emerson 2-horse Riding Cultivator.
- 1 2-section Steel Land Roller.

Potato Digger

O. K.
 Champion
 Two
 Horse
 Elevator
 Potato
 Digger



The new No. 8 Digger has a wide throat which is a new departure in digger construction and exclusively used on our machine. It consists of patented, specially constructed side plates which connect with beams that taper downward toward the front, curving outward along the upper edges and along the top flare. This makes the throat opening wider than the body of the machine, allowing the dirt to spread and lose itself more freely when first entering. It also forces the vines and weeds to slide up more easily and overcome the serious trouble of clogging. We have sold nearly 600 of these wonderful Diggers in this vicinity.

- No. 8 Digger **\$110.00**
- No. 22 Potato Planter—Plain **75.00**
- No. 22 Potato Planter—with Fertilizer Attachment **90.00**
- Two Row O. K. Twin Potato Planter—Plain **162.00**
- Two Row O. K. Twin Planter—with Fertilizer Attachment **192.00**

Mr. John Alt, Clay, N. Y., R.F.D., bought a No. 1 Yellow Champion Digger in 1908 and it had not cost him a cent for repairs up to the present time. He had used it part of the time with a tractor.

Mr. Roy Woods, Marcellus, N. Y., R.F.D., said he bought one of our No. 1 Yellow Champion Diggers in 1908 and the total cost of operating same from that time on was only \$10.00.

Meridian Hay Racks

Manufactured of selected lumber and well bolted. Price 16-foot **\$23.00**; 14-foot **\$21.50.**

Our Improved Slip Castings

Set of Shoes **\$4.50**

Iron Hog Troughs

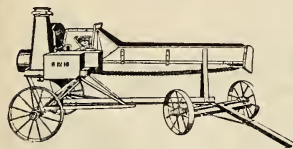
Made in four sizes, 3, 4, 5 and 6 feet, 8 inches deep, 12 inches wide. Price **\$1.50** per foot.

Steel or Iron Stone Boat Heads

A Simple, Complete and Inexpensive device whereby a Stone Boat can be made in a few minutes by using straight plank. One head will last for years.

Price **\$5.50** each.

Ross Ensilage Cutters and Silo Fillers



Thirty feet of 6 1/4" pipe and set extra knives with each machine.
 No. 2 Knives **\$285.00**
 No. 3 Knives **300.00**
 No. 4 Knives **315.00**

The No. 8-12-16 cutter is three machines in one—taking the place of the No. 40, No. 50 and No. 60 cutters. The capacity of this machine, as you will note from the circular, is rated at **8 tons with 2 knives, 12 tons with 3 knives, and 16 tons with 4 knives.** It can be operated with a Fordson tractor or its equivalent. Ask for full particulars.

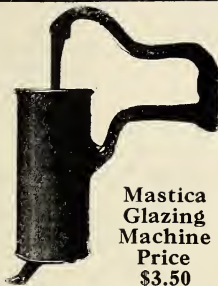
ABOVE PRICES ARE FOR COMPLETE ENSILAGE CUTTERS
 Suitable Credit Terms given on Ensilage Cutters
 Special discount for cash

Mastica for Glazing Greenhouses, Sashes

Elastic, adhesive and easily applied. It is not affected by dampness, heat or cold.

The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense.

Broken glass can be easily removed and replaced by new without the breakage of other glass. One gallon will cover about 290 running feet (one side.)
 Price of Mastica, 1/4 gal. 75c; 1/2 gal. \$1.45; gal. \$2.75



Mastica Glazing Machine
 Price \$3.50

The Handy Chemical Commode

Protects Health—Improves the Home

The country home and the out-house which have been linked together for centuries are now breaking company.

The home which is not yet ready to invest in a permanent toilet system can, for a very small sum, have our Handy Indoor Commode Toilet. **Price \$9.50.**

1 package chemical, 10 to 15 weeks' supply, complete in crate.



Ney Reversible Hay Carrier

For Either Steel or Wood Track

LIGHT AND DURABLE, RUNS EITHER WAY ON THE TRACK WITHOUT CHANGING

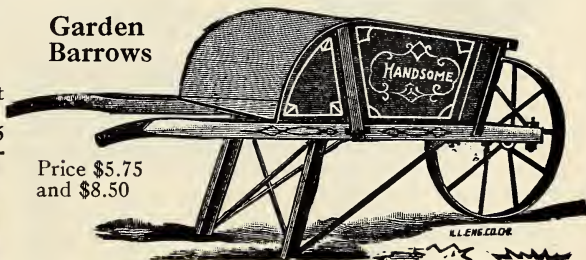
Thousands of Ney's No. 5 Carriers have been in continuous service for 35 years or more and are still doing their work perfectly. After 35 years of service the above carrier is greatly in demand by the public.

Price

Ney Hay Car, steel or wood track.....	\$ 9.00
No. 270 Car, open throat.....	11.00
Double Harpoon Forks.....	2.50
Double Harpoon Alfalfa Fork.....	5.00
Grapple Forks, 4 tine.....	10.00
Steel Track, per foot.....	.24
Pulleys in Wood and Iron, each.....	50c to 1.75
Track Eyes, dozen.....	2.25
Brackets, dozen.....	.90
Floor Hooks, each.....	.20
Tedder Teeth, each.....	.40
Horse Rake Teeth.....	.40
Rope, best Manila, at lowest prices	
All Steel Hay Tedder.....	\$60.00 and 70.00
Wood Hay Tedders.....	40.00
Steel Horse Rake.....	\$40.00 to 50.00

We carry Haying Tools of all kinds
 Also Teeth for all Rakes and Tedders

Garden Barrows



Price \$5.75 and \$8.50



Steel Tray Barrow

Deep Steel Tray, No. 75-A \$8.50. We also offer The Common Wood or Paddy Barrow, \$5.00 to \$5.75.

Link Chain Ladder

Link Chain Ladder—This is formed by steel links or rounds hooked together making a ladder of any length. Can be attached to the cross-beam in barn and to floor—thus making a lasting steel ladder safe and cheap. Takes no room, is always in its place. Can be moved quickly to where needed. Price per link of 16 inches—**20c.** Each link is equal to 16 inch of ladder.

A COMBINATION TOOL

7—TOOLS IN ONE—7 Price \$1.75



Saves time and wages; saves cutting hand; saves your temper, and it saves chasing cattle. You need one. Write now. It's only **\$1.75.**

Farmer's Favorite Cookers

Size boiler	Size Fire Box	Price
No. 2-30 gal. 22x24x13 1/2	24 inches.	\$17.00
No. 3-40 gal. 22x30x14	30 inches.	19.00
No. 4-50 gal. 22x26x15	36 inches.	21.00
No. 5-75 gal. 22x48x17	48 inches.	25.00
No. 6-100 gal. 22x60x17	48 inches.	26.00

Grindstones

Sterling Grindstone.....	\$11.00
Sampson No.1 Grindstone	9.50
Sampson No.2 Grindstone	9.00
Sampson No.3 Grindstone	8.75

Sickle Grinders

Sickle Grinder.....	\$6.50
With foot power.....	8.50

The great time and labor saver
 Saves horse power and lengthens the life of machinery.

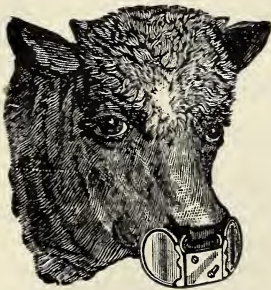
MILKMEN AND DAIRY SUPPLIES

Milk Caps Per thousand..... \$.60
 5,000 for..... 2.50
Dairy Scales..... \$4.00 to 5.50
Platform Scales..... \$25.00 to 50.00

MILKING TUBES, 35c to \$1.50

The Boston Milking Tube..... \$.35
 Teat Dilators..... each .15
 Sanitary Milk Pails..... \$1.50 to 3.50
 Pint Dippers..... .75
 Quart Dippers..... .90
 Strainers..... \$2.50 to 3.00
 Tin Milk Pails, all sizes..... 75c to 2.50
 Aerators..... \$10.00, \$12.00, \$15.00
 Sap Buckets..... .30
 Sap Spouts at..... 5c each

Rice's Calf Weaner and Sucking Cow Muzzle



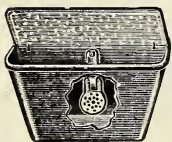
For preventing Calves and Cows sucking themselves or each other.
 No. 1—For Calves, till 1 year old, 75c.
 No. 2—From 1 to 2 years old, 80c.
 No. 3—For full grown animals and self-suckers 85c.

Champion Milk Cooler Aerators

AUTOMATIC, SIMPLE, EFFICIENT, DURABLE

2—18 quarts, 10 to 25 cows, 3 milkers..... \$ 7.00
 3—34 quarts, 25 to 50 cows, 5 milkers..... 8.50
 4—52 quarts, 50 to 100 cows, 8 milkers..... 11.00

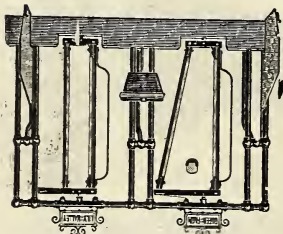
West Bend Watering Systems



West Bend Automatic Detachable Drinking Bucket, each with fastener..... \$3.80
 West Bend Strainer, each 2.90
 No. 1 Water Buckets, 9½ x8x7, each with clip (gravity)..... 2.55

No. 2 Water Buckets, 18x10x7, each with clip (gravity)..... 3.25
 Governing Tank with float and cover, each..... 9.45

West Bend Stanchions for Wood Frames



No. 1 Steel Wood Lined Adjustable Stanchion with plain hangers..... \$ 5.50
 No. 7 Steel Wood Lined Adjustable Swivel Hanging Stanchion..... 4.15

No. 7 Stanchion not wood lined..... \$ 3.80
 No. 2 Wood Bar Chain Hanging Stanchion..... 3.30
 No. 5 Adjustable Chain Hanging Steel Pipe Bull Stanchion..... 8.50

Crumb Stanchions—The best made wood stanchion on the market. We have sold them for many years. Each..... 3.00

Barrel Churns

No. 0—4 gal., churns 2 gal... \$ 7.00
 No. 1—10 gal., churns 5 gal... 8.00
 No. 2—15 gal., churns 8 gal... 9.00
 No. 3—20 gal., churns 10 gal... 10.00
 No. 4—25 gal., churns 12 gal... 13.00



Dash Churns, Butter Workers, Skimmers, Butter Carriers, Ladles, Richardson's Butter Color, Butter Prints, Floating Glass Thermometers, Dairy Thermometers, Cream Gauges, Babcock Butter Tester.

Cows' Relief

We offer this wonderful remedy and recommend it strongly

O. H. Cows' Relief, large, per box..... \$1.25
 O. H. Cows' Relief, small, per box..... .60
 O. H. Cow Tone, large, per box..... 1.25
 O. H. Cow Tone, small, per box..... .60
 O. H. Cow Tone, 25-pound box..... 5.00
 O. H. Cow Tone, 50-pound box..... 8.50
 O. H. Calves' Cordial, per box..... .60
 Sheep Dip..... \$1.00 and \$2.00
 Louse Chase
 Scab Chase
 Lice Powder
 Animal Regulator
 Louse Killer
 Hog Tonic
 Cow Tonic
 Healing Ointment
 Colic Cure
 Heave Remedy
 Worm Remedy
 Dip and Disinfectant

Litter, Feed and Milk Can Carriers and Fixtures

Automatic No. 5 Steel Car with raise and lower device, each..... \$47.50
 Automatic No. 6 Steel Car with raise and lower device, each..... 49.25
 Automatic No. 10 Steel Car with raise and lower device, each..... 53.25
 "Dreadnaught" Steel Car with raise and lower device, each..... 53.25
 Automatic No. 5 Steel Car with adjustable ball, each..... 33.50

West Bend Concrete Mixers

No. 2 Concrete Mixer on skids..... 40.00

Ask for Big Catalog

OUR EXPERT WILL CALL AND MAKE PLANS AND DIAGRAMS OF YOUR STABLE FIXTURES WITHOUT COST.

Stock Labels

PUNCHES AND REGISTERS FOR MARKING CATTLE, SHEEP AND HOGS

No. 1½ or Large Cattle Labels Per thousand..... \$28.00
 Spring punch for above Labels..... \$ 1.50
 Per dozen..... \$.75
 Per hundred.... 4.00
 Per thousand... 35.00
 No. 1 or Sheep and Hog Labels
 Spring Punch for above Labels..... \$.40
 Per dozen..... 2.00
 Per hundred.... 1.75
 No. 1¾ or Light Cattle Labels
 Spring Punch for above Labels..... \$ 1.25
 Per dozen..... .60
 Per hundred.... 3.00
 Bull Nose Punch..... 1.50
 Bull Nose Rings... 35c-1.75

Hog Rings, Hog Ringer, Hog Tonges

Hog Rings 35 cents Per Box Hog Ringer 50 cents Hog Tonges 75 cents

BUCKEYE INCUBATORS

Make Bigger Poultry Profits!

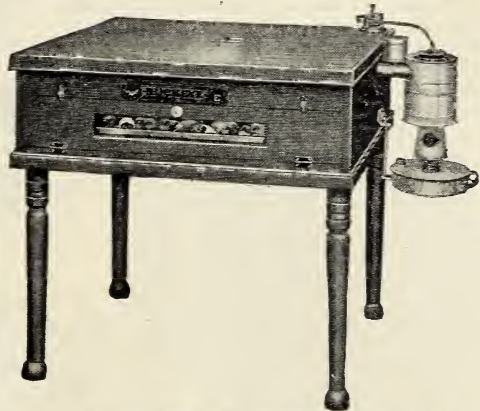


Buckeye "Standard" No. 5
Capacity 600 Eggs

Illustrated at the left is the No. 5 Buckeye "Standard" which has a capacity of 600 eggs. It has **one** compartment, **one** circulating tank, **one** boiler, **one** lamp (either oil or gas), **one** boiler and **one** thermostatic regulator. This remarkable **simplicity** of design and construction makes it possible to control the temperature accurately throughout the whole chamber and to supply all the eggs with an abundance of fresh air and at the same time secure all the natural moisture. There are four egg trays accessible through individual doors on the front and back sides of the incubator. It is just as convenient to handle as the smallest Buckeye Incubator, requires no more attention, and yet has a remarkably large capacity.

Buckeye "Style E" Incubators Are Guaranteed Hatchers

Buckeye "Style E" Incubators meet the popular demand for a **low-priced** incubator that is **reliable, efficient and dependable**. They are a little more simply constructed than the Buckeye "Standard" line, and they sell for somewhat less. Yet they contain **every essential feature of Buckeye design**. Nothing is sacrificed that will in the slightest impair their ability to hatch the maximum number of strong, sturdy, lively chicks. They employ the same system of circulating hot water, which assures evenly distributed heat without the loss of any of the natural moisture so essential to proper incubation. Ventilation is automatic, insuring a constant supply of fresh, moist, oxygen-bearing air to every egg throughout every minute of the incubating period. The lamp is extremely economical, smokeless and absolutely fool-proof. The thermostatic regulator is

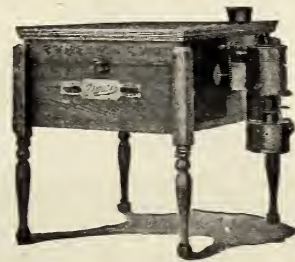


Above: Buckeye "Style E" No. 17

Below: Buckeye "Style E" No. 14

the same as used in the "Standard" line—the famous Buckeye regulator that is guaranteed to maintain uniform temperature at all times. The Buckeye "Style E" is the ideal incubator for small flocks. It handles small hatches with the same certainty and efficiency as Buckeye "Standard" incubators. It is low in price—yet it is a real money-making incubator.

Note especially that Buckeye "Style E" Incubators carry the same unlimited guarantee as the "Standard" line. They are guaranteed to hatch every hatchable egg and to do it every time.



Buckeye Universal Thermometer

For scientific incubation the thermometer bulb must be exactly $1\frac{1}{4}$ in. above the bottom of the egg tray. With many incubator thermometers this is not always the case, as the thermometer is either improperly installed or is so adjusted that its position cannot be easily fixed. With the Buckeye Universal Thermometer the bulb is **always** in the correct position—it **can't** be anywhere else. The Buckeye can be used in any incubator. Price \$1.00.

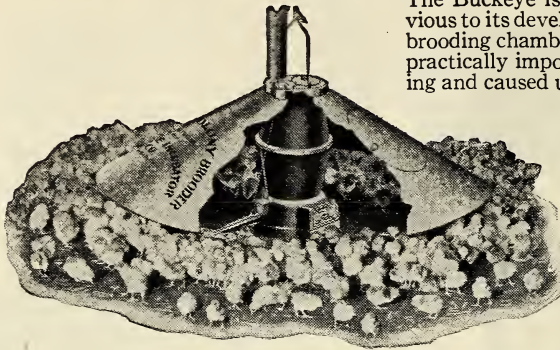
Capacities, Weights and Prices

"Standard"		"Style E"	
No. 1... 110 eggs... 110 lbs...	\$30.00	No. 5... 600 eggs... 325 lbs...	\$107.00
No. 2... 175 eggs... 135 lbs...	35.00	No. 14... 65 eggs... 55 lbs...	\$16.50
No. 3... 250 eggs... 200 lbs...	46.50	No. 16... 110 eggs... 85 lbs...	22.50
No. 4... 350 eggs... 230 lbs...	55.00	No. 17... 210 eggs... 125 lbs...	30.00

Write for the Big Buckeye Catalog It is the most valuable poultry book published. Tells how to feed, brood and cull—how to pick best layers—how to secure eggs in winter—how to market for bigger profits. For Buckeye parts write for Buckeye Parts Price Book.

Mammoth Newtown Incubators and Brooders. We are agents for this celebrated line. Brooders listed on page 56. Ask for price and particulars.

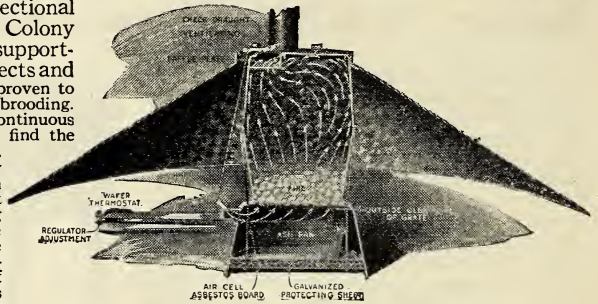
COAL-BURNING COLONY BUCKEYE BROODERS Make Bigger Poultry Profits!



The Buckeye is the original "Colony" Brooder. Previous to its development brooders were built with closed brooding chambers which made temperature regulation practically impossible, resulted in overheating or chilling and caused untold losses due to the development of bowel and lung troubles in young chicks. Raising 50% of the hatch was considered a good result. The Buckeye "Colony" Brooder absolutely eliminates these troubles. It radiates heat from above, allows each chick to select the temperature it finds most comfortable, prevents crowding or chilling and gives the chicks an ample supply of pure, fresh air at all times. It keeps the chicks warm, lively and contented in any weather, prevents sickness, insures rapid growth—raises every raisable chick into a big, strong, money-making bird.

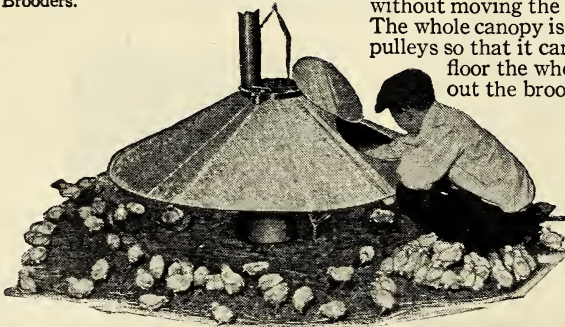
Buckeye "Colony" Brooders Raise Every Raisable Chick

The illustration at the right shows a sectional view of the Buckeye Coal-Burning Colony Brooder. It consists of a coal stove supporting a metal canopy. This canopy reflects and radiates the heat downward, which has proven to be the method necessary for scientific brooding. The canopy is open on all sides, allowing continuous ventilation and permitting each chick to find the temperature in which it is most comfortable. The vital feature of the Buckeye Colony Brooder is the automatic regulator which absolutely assures a continuous fire, without the slightest danger of overheating or going out. Regardless of weather conditions the Buckeye maintains the ideal temperature for brooding at all times. The accurate thermostat regulates the draft and damper of the stove to the same degree and radiating an even heat throughout the space under the canopy. It is this highly accurate and positive control which prevents crowding and chilling among the chicks, and consequently assures not only the raising of the highest possible number, but the normal raising of every individual chick. If you have had experience with other brooders you will be amazed at the way your chicks will thrive and grow when you put them in Buckeye Brooders.

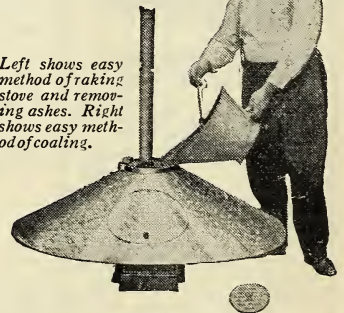


Easy to Operate— Requires Very Little Attention

The Buckeye is easiest of all coal-burning brooders to operate. On account of its steady, even burning it requires fuel and cleaning only twice a day. The fuel is put in at the top of the stove, as illustrated below, without changing the adjustment of the canopy in any way. A movable, circular section in the canopy permits the shaking of the grates without moving the canopy itself, as illustrated at the left. The whole canopy is supported by a cord and pulleys so that it can be easily raised clear of floor the when it is desired to sweep out the brooder pen itself.



Left shows easy method of refueling stove and removing ashes. Right shows easy method of coating.



Capacities, Weights and Prices

No. 117.....	350 chicks.....	65 lbs.....	\$14.75
No. 118.....	500 chicks.....	75 lbs.....	18.50
No. 119.....	1000 chicks.....	95 lbs.....	22.50

Buckeye Electric Brooders

No. 90.....	\$14.50	No. 92.....	\$24.75
No. 91.....	19.75	No. 93.....	29.50

Newtown Coal-Burning Brooders

No. 7. Capacity 350 Chicks.....	\$25.00
No. 11. Capacity 500 Chicks.....	32.50
No. 12. Capacity 1000 Chicks.....	40.00

Buckeye Blue Flame Oil

No. 27 A.....	\$16.75	No. 28 A.....	\$19.50
No. 80.....	17.50	No. 29 A.....	21.50
No. 81.....	18.50		

Newtown Electric Brooders

No. 51. Capacity 50 Chicks.....	\$14.50
No. 52. Capacity 100 Chicks.....	19.75
No. 53. Capacity 200 Chicks.....	24.75
No. 54. Capacity 300 Chicks.....	29.50

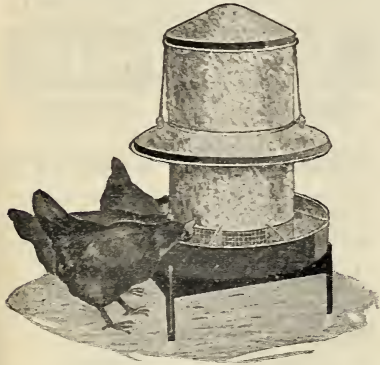
Poultry Supplies

FUL-O-PEP SCRATCH GRAIN
 FUL-O-PEP COARSE CHICK GRAIN
 FUL-O-PEP FINE CHICK GRAIN
 FUL-O-PEP LAYING MASH
 FUL-O-PEP GROWING MASH
 FUL-O-PEP CHICK STARTER

Alfalfa Meal
 Beef Scraps
 Bone Meal
 Buttermilk Semi-solid
 Charcoal
 Grit
 Salt Grit
 Oyster Shell
 Shavings, baled

Straw, baled
 Bone Cutters
 Brooders
 Boxes, Grit and Shell
 Corn Shellers
 Candle, Sulphur for Fumigating
 Drinking Founts
 Egg Cartons
 Eggs, Porcelain Nest
 Eggs, Medicated
 Food Hoppers
 Incubators
 Leg Bands
 Roofing Paper
 Spray Pumps
 Thermometers

Pratt's, Conkey's and Lee's Remedies
 Roup Remedy..... 25c, 50c, \$1.00
 Cholera Remedy..... 25c, 50c
 Gape Remedy..... 30c
 White Diarrhoea Remedy..... 25c, 50c, \$1.00
 Canker and Bronchitis Remedy..... 50c
 Head Lice Ointment..... 25c, 50c
 Condition Tablets..... 35c
 Bronchitis Remedy..... 25c, 50c
 Scaly Leg Remedy..... 35c
 Worm Remedy..... 25c, 50c
 Poultry Tonic..... 25c, 50c, \$1.10
 Lice Powder..... 25c, 50c
 Poultry Disinfectant..... 55c, 95c, \$1.60
 Red Mite Spray..... 55c
RAT-NIP. Kills rodents, odorless..... 35c



Semi-Solid Buttermilk

Semi-Solid Buttermilk is pure, pasteurized buttermilk with nothing added, but with enough water evaporated so as to produce a smooth paste including the much desired vitamins. It will keep indefinitely.

	Straight Buttermilk	With Cod Liver Oil
Full Bbbs., averaging 460 lbs. at	\$5.25	per 100 lb. \$6.00
½ Bbbs., averaging 260 lbs. at	6.00	per 100 lb. 6.75
Kegs, averaging 140 lbs. at	7.00	per 100 lb. 7.75
Drum, 50 lb. at	4.25	5.00
Pkg., 8 lb. at	.90	1.00

CELLO GLASS—This wonderful invention has brought comfort and profit to the Poultrymen. It's one of the very happy thoughts, coming at a period when poultry raising demanded something like this.

If poultry could only talk—I am sure they would shower blessings upon the inventor. The demand for this wonderful Wire Fence Glass is unlimited. It creates heat, light and is essential to successful egg and poultry production in the East.

Also, fine for protecting windows, sleeping porches, sun-parlors, etc.
 Price per square ft., 15c. In full roll of 100 ft. at 14c.

Pigeon and Dove Supplies

Canada Peas, Yellow Corn, Choice Wheat, Millet, Kaffir Corn, Hemp.

Our Pigeon Mixture No. 1 is one of the finest obtainable. Only the very choicest and cleanest ingredients are used. Ideal for either exhibition or squab breeders. Price per 100 lbs., \$3.75.

Ideal Poultry Litter (Peat Moss—Medium Grade). Renew every six months. Its absorbing power equals eight to twelve pounds of its specific weight. Prevents dampness, which causes most poultry diseases. Absorbs bad poultry house odors. Keeps hen houses warm in winter and cool in summer. Will not stick to the floor or feet of poultry. It makes a valuable fertilizer. Very economical and saves much labor over other litter. Price per bale, \$4.50.

Electric (Searchlight) Lanterns. Something new. This wonderful brilliant light is the greatest forward step of light to use at night ever known. Very penetrating, convenient and practical. No danger of fire as with the old kerosene lantern. Especially fine for fishermen or camping. Complete with batteries. Price \$3.65.

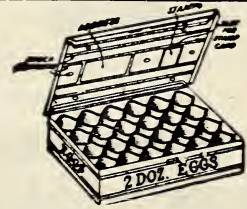
B-K Germ Killer Disinfectant

Germ Killer. Deodorant. Sterilizer for drinking water. Kills germs of Roup, White Diarrhoea and other diseases. Absolutely non-poisonous and safe. Recommended by college officials. Prices 40c, 75c and \$1.25.

How to Do a Profitable Business

SELL EGGS BY MAIL

1½ doz. size.. \$1.25	6 doz. size.. \$2.50
2 doz. size.. 1.50	9 doz. size.. 3.25
3 doz. size.. 1.75	12 doz. size.. 4.00
4 doz. size.. 2.00	



Metal Egg Carriers



Fed on Semi-Solid Buttermilk
 "Watch 'em grow"

Banner Root Cutter Hand and Power

Has a capacity of 30 to 100 bushels per hour. One bushel per minute has been cut as a test, many times.
 No. 7—For Poultry..... \$ 7.00
 No. 20—Hand Power..... 16.50
 No. 16—Pulley and crank..... 25.00

Mann's Bone Cutter. The only practical Bone Cutter—hand or power. We have sold these for about fifty years. Guaranteed in every way.

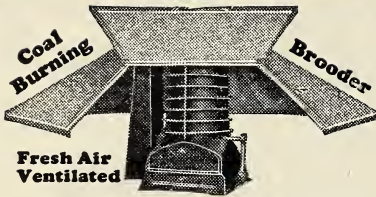
No. 5C with Crank Handle.....	\$13.00
No. 5B with Balance Wheel.....	16.00
No. 7 with Balance Wheel and Iron Stand.....	22.00
No. 7½ Hand and Power.....	30.00
No. 9 Hand and Power.....	32.00
No. 11 Power Machine.....	50.00

Fos-For-Us. The hard, sharp, soluble Grit. No. 1 size, per 100 lbs., \$1.50; No. 3, chick size, per 100 lbs., \$1.50; Flour for Mashers, per 100 lbs., \$1.75.

Brooders, Steel Nests, Hoppers, Founts

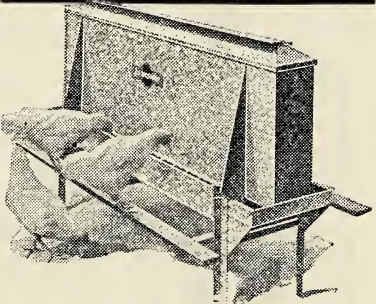
**We Want You
To See This**

Jamesway



Brooder No. 660A, \$28.50

**Here's a Feeder
that soon
Pays For Itself**



No. 528—100 Lb. Feeder, \$17.45

Coal capacity about 35 pounds. 52-inch hover. Standard rating is 500 to 1000 chicks. It will successfully brood 200 to 500 chicks in a brooder room 8 to 12 feet square.

Brooder No. 652A... \$24.50

Coal capacity about 45 lbs. 60-inch hover. Standard rating of 1000 to 1500 chicks. It will handle 300 to 800 chicks in a brooder room 10 to 18 feet square.

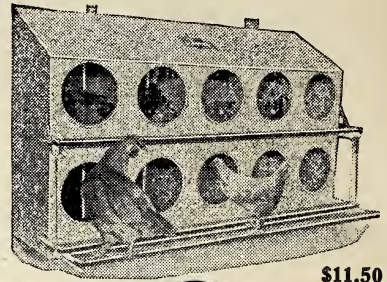
Brooder No. 660A... \$28.50
No. 528-100 lb. Feeder. \$17.45

Holds 100 lbs. of dry egg mash—9 lbs. scraps—15 lbs. shell—5 lbs. charcoal—15 lbs. grit. 60-inches long—16½ inches wide—38 inches high. Self feeds 125 to 200 hens for one week without refilling. No. 528, \$17.45.

Two-Piece Chick Founts



- 1 qt. \$.30
- 2 qts.45
- 3 qts.60
- 4 qts.75



\$11.50

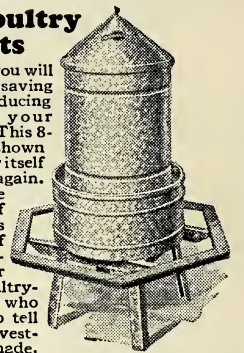
**Jamesway
Steel AND Nests**

Poultry Waterers

We have supplied a number of poultrymen in this locality with the famous Jamesway Steel Nests and wish you could hear the nice things they say about them—how they have solved their lice and mite problem—how easy they are to keep clean—how their hens show their appreciation of these clean, sanitary nests by laying more eggs.

Bigger Poultry Profits

will be yours if you will install this labor saving and profit producing equipment in your poultry house. This 8-gallon waterer shown here will pay for itself over and over again. We would like the privilege of chowing you this splendid line of poultry equipment and refer you to other poultrymen hereabout who are using it, who tell us it's the best investment they ever made.

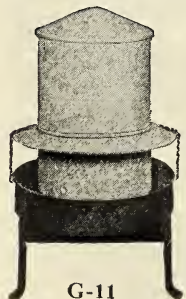


Kerosene Heated, \$8; Electrically Heated, \$8.75
Stand Extra, \$1.50

Oakes Combination Fountain and Heater

The finest for year-round use. Made of best galvanized steel. Lamp burns ordinary kerosene. Operates thirty hours on one filling. Chicks can drink all around the fount.

- No. G-38. \$4.00
- No. G-39 4.75
- G-40 5.95



G-11

Feeder with Stand

Price half that asked for other hoppers of similar capacity. Furnished with or without metal stand.

- G-10—(Without stand) \$7.50
- G-11—(With stand) 8.25
- G-510—Special 50-lb. Feeder, with stand 4.00
- G-511—Special 50-lb. Feeder, without stand 3.50

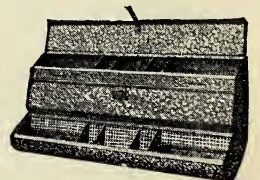
Thermos Fount

Built like a thermos bottle. Keeps water cool in summer—and warm in winter. Fills from the top. Easy to clean. Conical top prevents hens from roosting on it. Heavy wire bail. Made of heavy galvanized iron in three sizes:

- No. G-16, 2-gal. \$4.00
- No. G-17, 3-gal. 4.50
- No. G-18, 5-gal. 5.50



Handy Hopper



A splendid hopper made of galvanized steel—spot welded. Hinged lids over both hopper and trough, to keep out rats and litter. Swinging feed grate permits use of any kind of dry mash. Hopper is 15

- in. high, 4½ in. wide, and comes in four lengths.
- G-12—12 in. long. . . \$1.75
- G-13—18 in. long. . . 2.25
- G-14—24 in. long. . . 2.75
- G-15—36 in. long. . . 3.90

DOG FOODS



SPRATT'S Dog Foods have been standard throughout the world for over seventy years. They contain only the most nourishing ingredients combined in such a way as to form perfectly balanced rations.

Spratt's new Challenge Terrier Meal is a perfect diet for puppies and growing dogs. Try it.

We carry in stock and recommend the following:

	100	50	25	1
	Lbs.	Lbs.	Lbs.	Lb.
Spratt's Dog Cakes	\$12.00	\$6.25	\$3.25	15c
Spratt's Charcoal Ovals	14.00	7.25	3.75	16c
Spratt's Fibo (a granulated food)	14.00	7.25	3.75	17c
Spratt's Ovals (pocket biscuit)	14.00	7.25	3.75	16c
Spratt's Rodnim	13.00	6.75	3.50	16c
Spratt's Cod Liver Oil Cakes	12.00	6.25	3.25	16c
Spratt's Challenge Terrier Meal	10.00	5.25	2.75	14c

OLD TRUSTY dog foods are used by many of the leading kennels throughout the country. A trial will convince you of the high quality and food value of these products.

	100	50	25	1
	Lbs.	Lbs.	Lbs.	Lb.
Old Trusty All Terrier	\$10.00	\$5.25	\$2.75	14c
Old Trusty Tid Bits	11.00	5.75	3.00	15c

CHAMPION (three varieties)

Dog Biscuit, Puppy Biscuit;				
Kibbled Food	11.00	5.75	3.00	15c
Chow Chow	10.00	5.25	2.75	14c

PERFECT CONDITION MEAT put up in quarts only. Price on request.

CERO-MEATO, a kibbled meat and cereal food especially good for active dogs.

100 lbs.	\$8.00
50 lbs.	4.25
25 lbs.	2.25
1 lb.	.12

PLAIN BROKEN BISCUITS, a kibbled cereal food. Very good to feed with soups, gravies and table scraps.

100 lbs.	\$7.50
50 lbs.	4.00
25 lbs.	2.25
1 lb.	.10

ROSE MEAT AND BONE MEAT, fine for rearing puppies.

100 lbs.	\$6.50
50 lbs.	3.25
25 lbs.	1.75
1 lb.	.08

PERFECTION FOOD, a low priced popular food.

100 lbs.	\$6.00
50 lbs.	3.00
25 lbs.	1.75
1 lb.	.08

GAINES MEAT, MILK AND MEAL

100 lbs.	\$6.50
50 lbs.	3.50
25 lbs.	2.00
1 lb.	.08

KEN-L-RATION is a complete food, requiring no preparation whatever. It is rich in meat, cereal, ground bone and cod liver oil.

1 1-lb. can.	\$.18
6 1-lb. cans	1.00
48 1-lb. cans (1 case)	6.75

HEMO-RATION is a blood-making food especially recommended for breeding animals of both sexes. For anemic or convalescent animals it is invaluable. We are advised by some prominent veterinarians that Hemo-Ration is a wonder-food in treating cases of rickets and chokes. It carries a large percentage of cod liver oil and is rich in organic iron and calcium phosphate.

1 1-lb. can	\$.18
6 1-lb. cans	1.00
48 1-lb. cans (1 case)	6.75

PUP-E-RATION contains red meat, organic iron, calcium phosphate, Norwegian cod liver oil and marrow-fat—the elements necessary for growth of body, bone and coat. This is a perfect food for puppies. The little fellows require a food that is rich in protein and vitamins.

1 1-lb. can	\$.20
6 1-lb. cans	1.10

FOR YOUR DOG'S SAKE, USE



INSECTICIDE—KILLS FLEAS—DEODORANT
HEALTHFUL—DISINFECTANT—SAFE TO USE

Ced-o Products Corporation

Ced-o-gen is used and recommended by well-known breeders and veterinarians everywhere. Its use improves the lustre and quality of the dogs' coats and keeps the skin healthy and clean. It is also used as a preventative against colds and distemper. Ced-o-gen is a most effective flea killer, and as a deodorant it has no equal. It is easy to apply, safe to use, and is a great labor saver. Every dog owner should have a supply of Ced-o-gen on hand. It fills a long-felt want in dogdom. Try a Can—You will like it.

WE CARRY CED-O-GEN IN STOCK
Pts., \$.75; Qts., \$1.25; Gal., \$3.50

PURE CEDAR BEDDING

For Use with Dogs and Pets—A Preventative of Disease and Vermin

Cedar Bedding has been in use among dealers and breeders of dogs and pet stock for years. It is a wholesome, clean and agreeable preventative of disease. Its use is an insurance against all vermin and pests, and animals housed with it are invariably found to thrive. Hay, straw or other natural bedding will harbor or breed injurious insects and furnish a place for disease germs, foul conditions and offensive odors. Cedar is naturally impervious to all disease and proof against infection and will keep kennels clean and sweet. Price, per 25-lb. bale, \$2.25; 50 lbs. \$3.85; 100 lbs. \$6.75.

PEAT LITTER. Fine, inexpensive sanitary Litter. For Dogs, Poultry and Horses. 225 bales at \$5.00 per bale.

Q-W- Dog Remedies



We have added Q-W dog remedies to our pet department through the high recommendations and persistent demands of local kennel operators.

Thousands of faithful, trusting dogs are killed every year by nasty shoddy drug dope cheaply thrown together by quacks who don't own a single dog. Poisonous messes made not for the dog, but merely for the dollar there is in them.

Your dog is helpless. He has to take whatever you give him. Why betray him with a cheap catch penny poisonous mess when you can give him a remedy as pure and wholesome as you would like him to give you.

Q-W Mange and Flea Soap.—A wonderful sulpho-cresol cleanser, skin healer, vermin killer, for dogs, cats and all other animals. **\$1.00**

Q-W Condition Powder.—Blood purifier, stomach cleanser, digestion corrective, bowel regulator. Puts and keeps dogs in condition. Gives pep, ginger. **\$1.00**

Q-W Mange Cure.—Instantly stops the itch; quickly heals up mange, eczema and other skin eruptions on all domestic animals, grows luxuriant hair. **\$1.00**

Q-W Worm Expeller.—Expels in one hour all intestinal parasites from dogs, cats, foxes, rabbits, etc., including round, hook and seat worms. Quick, sure, safe. **\$1.00**

Q-W Tape Worm Expeller.—Quickly eradicates tape worms, expels head (the important part) as well as segments. **\$1.00**

Q-W Liquid Sulphur Compound.—For bathing dogs with itch, giving sulphur baths, cooling blood in eczema and giving dogs sulphur in their drinking water. **\$1.00**

Q-W Verminol.—Powerful disinfectant, germ and vermin killer, dog dip. Kills fleas, lice, mites instantly. **Pt., \$1.25**

Q-W Phosphated Cod Liver Oil Compound with Lime.—Quickest food builder for wasting diseases, distemper, run-down condition, rickets, etc. Marvelous bone grower for pups. Indispensable in kennel. **Pt., \$1.25**

Q-W Tonic and Red Blood Builder. Quick, sure pick-up tonic for anemic run-down animals or humans. Valuable in distemper. **\$1.00**

Q-W Distemperol.—For the treatment of distemper, carrying animal safely through disease. **\$2.00**



DELCREO Dog Remedies

COMPLETE LIST OF
DELCREO DOG REMEDIES
As Carried in the Pet Stock Department of the Ebeling Store

DELCREO for Distemper, Black Tongue, Colds, Pneumonia, Diarrhoea and other diseases of germ origin..... 4 oz. **\$1.50**; 16 oz. **\$5.00**

Delcreo Tonic and Conditioner..... 2 oz. **\$.75**

Soluble Sulphur Compound for Canker of the Ear, Eczema, Rheumatism, etc..... 4 oz. **\$1.00**

Soluble Sulphur Compound Capsules, a convenient form of Sulphur Compound. Box of 40 capsules..... **\$1.00**

Soluble Sulphur Compound Bath for Fleas, Mange, Eczema, etc. An invigorating antiseptic bath liquid..... 4 oz. **\$1.00**

Q-W Black Tongue Mixture.—For prevention and cure of black tongue. **\$2.00**

Q-W Flea Oil and Coat Grower.—For killing all vermin on dogs and other domestic animals without wetting, and keeping off flies, fleas, lice, etc. Instantly applied. Simply rub into coat. **Pt., \$1.00**

Q-W Constipation Pills.—Quick, safe laxative. No evil after-effects. Splendid for humans, too. **\$1.00**

Q-W Rheumatism Tablets.—For rheumatism, stiff joints, partial paralysis and gout. **\$1.00**

Q-W Fit and Sedative Tablets.—For fits, convulsions and nervous dogs. Soothes nerves, kills pain, promotes sleep. **\$1.25**

Q-W Cough Mixture.—For colds, coughs and all bronchial troubles. **\$1.00**

Q-W Diarrhoea and Dysentery Cure.—Stops loose bowels, soothes and heals inflamed intestines. **\$1.25**

Q-W Breeding Tablets.—For stimulating sexual powers in dogs. Makes males serve vigorously, bring backward bitches in season, induce conception. **\$2.00**

Q-W Ear Canker Cure.—For internal sores, abscesses, cankers, etc., of the ear, causing dog to hold head on one side, scratch ear, etc. **\$1.25**

Q-W Flea Powder.—For dry-killing fleas on dogs, especially suited to small dogs and for use in winter. **Per box, \$1.00**

Q-W Healing Salve.—The pride of the Q-W, a wonderful quick healer for all sores, cuts, tears, ulcers, cankers, rashes, blisters, sore footpads, etc. Fine for hunting dogs that get torn up. Good for other animals, too, and for humans. **\$1.00**

Cooper's Kur-Mange.—Kills lice and fleas. Cures Mange. Gal. **75c**; 2 gal. **\$1.00**; 5½ gal. **\$2.00**. Kur-Mange is odorless, non-poisonous, in powder form, dissolves quickly. Used as a dip or wash on pet animals, dogs, cats, foxes, and poultry.

Cooper's Sopex.—Removes dirt, kills lice and fleas. A fine shampoo. Odorless, non-poisonous powder. 1 gal. pkg. **50c**; 2 gal. **75c**; 12 gal. **\$3.00**.

Cooper's Pulvex.—A lice and flea powder. Can be used as a dry dust for fleas, lice, etc., as owners often prefer to use it dry during cold weather. 2-oz. sifter top **50c**; 12-oz. sifter top **\$1.00**; 5-lb. powder **\$5.75**.

Cooper's Dog Mineral.—1-lb. pkg. **75c**.

Cooper's Pine Oil Disinfectant.—Pt. **\$1.00**; 1-gal. **\$2.50**.

Soluble Sulphur Compound Ointment for Mange, Wounds, Cuts, Sores, etc. A soothing and healing antiseptic salve..... 1 oz. **\$.50**

Sulfminol for general and chronic constipation..... 4 oz. **\$.50**

Delcreo Dog Soap for cleansing and stimulating the skin and coat. A pure neutral soap. 4 oz. cake **\$.25**

Delcreo Roundworm and Hookworm Capsules in three sizes—for Large Breeds, for Small Breeds and for Small Puppies and Small Toys..... Box **\$.50**

Delcreo Laxative, especially prepared for use with Delcreo Worm Capsules..... 4 oz. **\$.25**

Delcreo Tapeworm Tablets..... Box **\$.75**

Ask Today for the Delcreo Kennel Manual Free on Request.

The Cat

Love Your Pets—Keep Them Well



A happy family of White Persians

Cats, to be a pleasure to look upon and to fill that friendly feeling in the mind and loving spot in the heart, must be in good health and form. Success with cats, whether for exhibition, breeding or home comfort, depends upon the condition in which they are kept and the care bestowed upon them. Exercise is especially necessary for cats in city homes, and the catnip ball is a desirable aid in this direction. The average life of the cat is from 12 to 15 years.

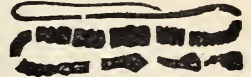
Whenever a cat becomes ill it seeks dark quarters, loses the appetite, nose becomes hot, coat dry and harsh, sleeps most of the time, and when in pain evinces it by crying. Green grass is a natural remedy for cats when attacked by digestive troubles, and when at liberty, if possible, they will help themselves.

Katonic, a Tonic. Simply works wonders in keeping cat or kitten in condition. Price 25c.

WORMS—Don't let them kill your valuable pet.

Daniels' Worm Drops. Capsules 65c, or Liquid 50c, gets the worms and saves the cat.

Daniels' Tasteless Laxative must be given with either of the above mentioned worm expellers. Two sizes, 35c and 65c.



Bronchial Drops. For treating bronchitis, colds, distemper, influenza, sore throat. Two sizes, 35c and 65c.

H. B. O. The famous Hairball Remedy for cats and kittens, 65c.

Fleeko. For removing fleas, especially for long-haired pets, 65c.

Diarrhoea Pills. For diarrhoea and dysentery, 65c.

Eye Wash. For weak or watery eyes, 65c.

Scat Powder. A grooming and cleansing powder for the comfort of cats and toy dogs, 25c.

Sulphur Compound Tablets. A cooling remedy in Eczema, Itching Skin, Mangy condition, Skin Eruptions and blood purifying, 50c.

V. M. Capsules. For mother and kitten. Think of V. M. Capsules when you want to build strength and growth. 50c.

Ced-o-Gen. Destroys all vermin and disease germs on your cat quickly. Harmless to pets. Improves the appearance of the fur. Pt. 65c; qt. \$1.25.

Loose Catnip. Pkt. 15c.

Catnip Ball. 20c.

CAT FOODS—Include the following:

Spratt's Cat Food—with Fish, Meat or Milk, pkg. 30c.

Hem-o-ration. per lb., 1-lb. can 18c; 6 cans \$1.00.

Spratt's Fibo. Per lb., 17c.

Kit E Ration, fine balanced food. 1-lb. can 18c; 6 cans \$1.00; trial size 10c.

Free, Dr. Daniel's useful book on cats.



Ced-o-gen

Protects your Dog

from

Lice, Fleas, Mites
Germs



CED-O-GEN, used and recommended by leading veterinarians and breeders of America, is the greatest protection you can give your pets. Absolutely harmless to man or animal, yet it quickly destroys all vermin and disease germs. Keeps beds and kennels sweet and clean and prevents all animal odors.

Ced-o-gen also serves as a preventative against colds and distemper by preventing germ development. Improves the lustre and quality of the dogs' coat and keeps the skin healthy and clean. Every dog owner should use Ced-o-gen and have it always on hand. It is economical to use. Pt. 75c; qt. \$1.25; gal. \$3.50.

SERVICE TO PET OWNERS—Boarding, Bathing, Manicuring,
Clipping, Flea Treatments

WHEEL'S KENNEL FOR PETS

316 North Collingwood Ave.

Phone 5-7168

Practical advice and suggestions from a practical pet man, who is constantly in touch with your needs. Operating a sanitary and homelike kennel where dogs, cats, parrots and canaries are cared for and treated. When in trouble call at our pet department with your troubles. After business hours phone 5-7168.

P. S.—In order to complete our pet department we are co-operating in this effort to serve the public.—F. H. Ebeling.

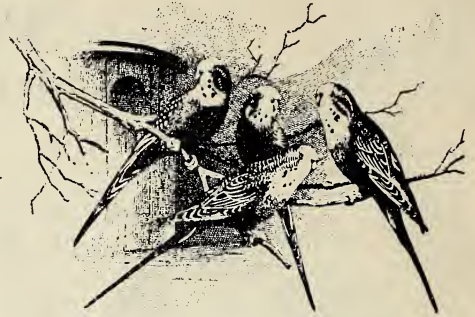


Our Pet Department

**Bird and Animal Foods. Remedies
Supplies and Accessories
of All Kinds**

Watch for our very interesting Window Display
of Birds, Dogs, Cats and other Pets

*This Department is in charge of our Mr. Wheel, who
is an authority on Birds and Pets. Consult him
freely on the care of pets in health and sickness*



A Branch of Parrakeets

Canaries that are Guaranteed

We import the best grade of Singing Canaries from Germany. Every bird is sold on a thirty-day trial. If you are not satisfied, the bird may then be exchanged. See the beautiful Parrakeets, Finches, Parrots, White Mice, Waltzing Mice, Gold Fish, Mexican Turtles, and other interesting pets.

Bird Supplies

Ebeling's Special Seed Mixture for Canaries and Cage Birds forms a diet that will maintain perfect health and song. Lb., 20c.

Wheel's Seed Tonic and Song Restorer is the result of successful German breeders to produce a natural seed tonic and song restorer. Lb., 30c.

Ebeling's Special Parrot Mixture for Parrots, Macaws, Cockatoos, Lories and the larger varieties of Parrakeets and Love Birds. 2 lbs. 25c.

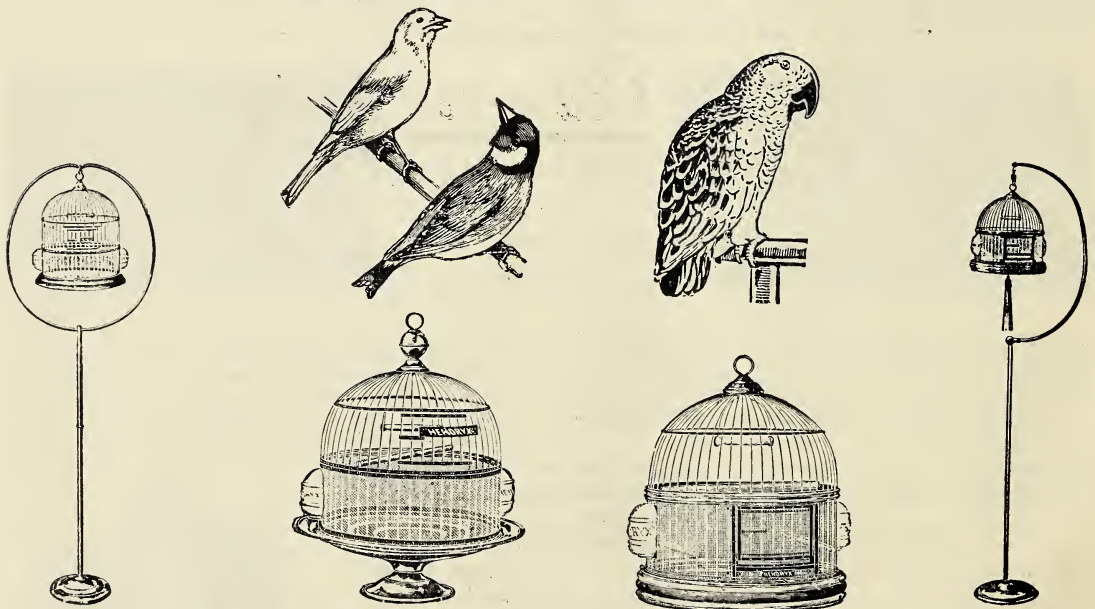
Ebeling's Parrakeet and Love Bird Mixture is especially for Parrakeets and small varieties of Love Birds. Lb. 20c.

Ebeling's Special Canary Mixture.....	\$.20
Wheel's Seed Tonic .....	.30
Parrot Mixture.....	.20
Plain Canary.....	.20
Hemp..... 1 lb. 15c; 2 lbs.....	.25
Sweet German Rape.....	.20
Sunflower..... lb. 15c; 2 lbs.....	.25
Bird Millet, 1 lb.....	.20
Unhulled Rice, 1 lb.....	.20
Lettuce Seed, 1 oz.....	.05
Bird Peppers, 1 oz.....	.10
Washed Gravel, 2 lbs.....	.10
Silver Sand..... 2 lbs. 10c; 6 lbs.....	.25
Fine Grit for Birds.....	.10
Chinese Blue Maw, lb.....	.25
Cuttle Bone, large.....	.05

A complete line of bathing dishes, bath houses and treat dishes, etc.

EVERYTHING ^{for the} FEATHERED TRIBE

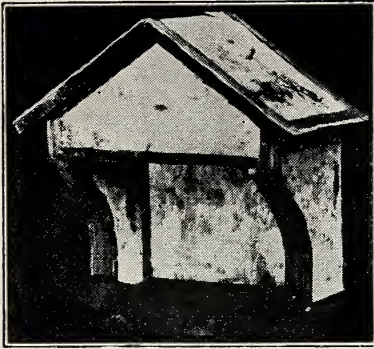
Birds, Bird Cages, Cage Standards



BRASS BIRD CAGES. \$2.50 and up.
BIRD CAGE STANDARDS. \$2.50 and up.
FULL CIRCLE CAGE STANDARDS with CAGE. \$6.50 and up.
HALF CIRCLE CAGE STANDARDS with CAGE. \$5.95 and up.
 These are made up in very attractive and up-to-date designs in colors of Red, Green, Blue and brass.

Bird Houses, Bird Baths, Feeding Stations

Also All Kinds of Feeds, Remedies and Accessories Which Attract Birds Sold at Ebeling's



Feeding Stations

Everything for Birds can be procured at Ebeling's. Wren Houses, Blue Bird Houses, Robin Shelters, Bird Baths, Feeding Stations, Feeds, Remedies and other accessories.

When Winter Comes the birds that have re-

mained with us are exposed to the mercy of the elements, and without the food which provides comfort and warmth. A few handfuls of Ebeling's Special Grain Mixture and one of our attractive winter feeding sta-

tions, a few suet cakes with walnut meats, provide warmth and gives the bird lover the satisfaction of paying his bird friends of the summer season.

Birds attracted by such kindness through the winter will remain and make their homes in the spring, and become permanent residents.

Window Display—Watch our window for Attractive Displays of Birds, Cats, Dogs and other pets during the fall and winter.



Blue Bird House

remained with us are exposed to the mercy of the elements, and without the food which provides comfort and warmth. A few handfuls of Ebeling's Special Grain Mixture and one of our attractive winter feeding sta-

EBELING'S PET SHOP

And

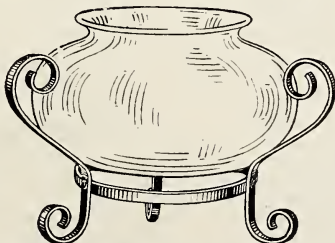
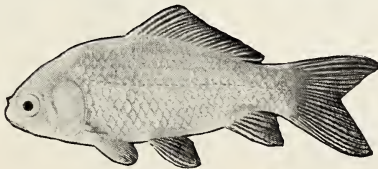
Educational Exhibit

Watch our window displays from week to week. They will be keenly interesting, especially to the kiddies.



Gold Fish, Aquariums, Supplies

- Aquariums
- Pearl Chips
- Dip Nets
- Foods
- Washed Sand
- Snails
- Tadpoles
- Novelties of all kinds
- Mermaids
- Castles
- Tinted Bowls
- Stands
- Mexican Turtles



Snails

The Finest Assortment of Aquariums in the City

Hints on the Care of Gold Fish

Do not, when you change the water in your aquarium, make the change in the temperature too radical. Place a container of fresh water in the same room twelve hours before changing. The temperature of the two waters will then be the same. Don't overfeed your fish.



When the fish come to surface to breathe, the oxygen in the water has become exhausted. Then it is time to change the water.

A Book Worth Having—"The Aquaria," by Chas. Page, 25c.

Standard Earthenware Flower Pots—Paper Pots

Full inside measurement. No charge for packing. Flower Pots and Bulb Pans can not be sent by mail, but only by express or freight, at customer's expense.



Sizes	Each	Doz.	100	Sizes	Each	Doz.	100
1 1/4 in.	\$.03	\$.25	\$1.25	6 in.	\$.10	\$1.00	\$ 7.29
2 in.	.03	.25	1.25	7 in.	.17	1.70	12.15
2 1/2 in.	.03	.25	1.35	8 in.	.25	2.50	17.75
3 in.	.03 1/2	.30	1.75	9 in.	.40	3.75	27.00
3 1/2 in.	.04	.35	2.25	10 in.	.50	5.00	36.45
4 in.	.05	.45	2.75	12 in.	1.00	9.90	74.25
5 in.	.07	.70	4.85	14 in.	1.50	16.20	121.50

FLOWER POT SAUCERS

Sizes	Each	Doz.	100	Sizes	Each	Doz.	100
3 in.	\$.03	\$.25	\$1.62	8 in.	\$.10	\$1.00	\$ 7.43
4 in.	.03	.30	2.03	9 in.	.15	1.35	10.13
5 in.	.04	.35	2.70	10 in.	.18	1.75	12.15
6 in.	.05	.50	4.05	12 in.	.25	2.50	18.23
7 in.	.08	.75	5.40	14 in.	.35	4.00	30.38

ROUND BULB OR LILY PANS

Width	Height	Each	Doz.	100
4 in.	3 in.	\$.05	\$.40	\$ 2.70
5 in.	3 in.	.07	.70	4.85
6 in.	3 1/2 in.	.10	1.00	7.35
7 in.	4 in.	.17	1.75	12.15
8 in.	4 1/2 in.	.25	2.50	17.55
9 in.	5 in.	.40	4.00	27.00
10 in.	6 in.	.50	5.00	36.50
14 in.	7 in.	1.50	16.00	121.50

NEPONSET WATERPROOF PAPER FLOWER POTS

	Doz.	100	1000
2 1/4 in. pots	\$.11	\$.50	\$ 4.40
2 1/2 in. pots	.13	.60	5.00
3 in. pots	.18	.80	6.70
3 1/2 in. pots	.20	1.00	9.00
4 in. pots	.25	1.30	18.50
5 in. pots	.30	2.00	28.50
6 in. pots	.45	2.70	38.25

Florists' Sundries

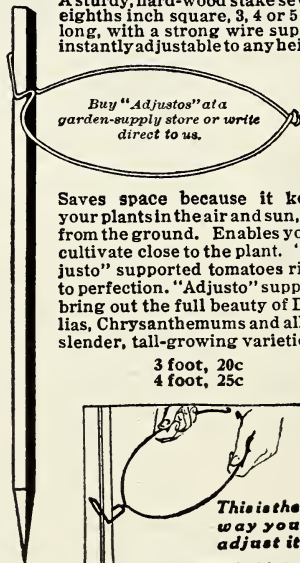
- Thermometers
- Tin Foil
- Green Moss
- Raffia and Reed
- Immortelles
- Mastica
- Plant Labels
- Fumigators
- Shears
- Fine Cutlery
- Flower Pot Brackets
- Bird Supplies
- Bulb Syringes
- Glazing Points
- Flower Pots
- Hyacinth Glasses
- Hanging Baskets
- Flower Supports
- Plant Stands
- Trellises
- Scissors
- Syringes for Plants
- Lawn Seed and Fertilizers
- Wire Plant Supports

Wire Hanging Baskets

10-inch	\$.40 each
12-inch	.50 each
15-inch	.60 each
18-inch	.75 each

ADJUSTO PLANT SUPPORTS

A sturdy, hard-wood stake seven-eighths inch square, 3, 4 or 5 feet long, with a strong wire support instantly adjustable to any height.



Buy "Adjustos" at a garden-supply store or write direct to us.

Saves space because it keeps your plants in the air and sun, and from the ground. Enables you to cultivate close to the plant. "Adjusto" supported tomatoes ripen to perfection. "Adjusto" supports bring out the full beauty of Dahlias, Chrysanthemums and all the slender, tall-growing varieties.

3 foot, 20c
4 foot, 25c

This is the way you adjust it



Simplex Weather-Proof Plant Labels

WITH COPPER WIRES
Prices, Including Copper Wires for Attaching

No. 1—3	x 1/2 in.	50c per doz., per 100	..... \$3.00
No. 2—4	x 3/4 in.	75c per doz., per 100	..... 5.00
No. 3—5	x 1 in.	\$1.00 per doz., per 100	..... 7.00
No. 10—2 3/4	x 1 1/2 in.	25c each, per doz.	..... 2.75
No. 11—3	x 2 in.	30c each, per doz.	..... 3.25
No. 21—4	x 3/8 in.	30c per doz., per 100	..... 1.95
No. 22—5	x 3/4 in.	45c per doz., per 100	..... 3.00

Retail Price List, Reed

No. 1	...lb.	\$1.20	1/2 lb.	\$.70	1/4 lb.	\$.40	oz.	\$.10
No. 2	...lb.	1.10	1/2 lb.	.65	1/4 lb.	.40	oz.	.10
No. 3	...lb.	1.00	1/2 lb.	.60	1/4 lb.	.35	oz.	.10
No. 4	...lb.	.90	1/2 lb.	.55	1/4 lb.	.35	oz.	.10
No. 5	...lb.	.80	1/2 lb.	.50	1/4 lb.	.30	oz.	.10
No. 6	...lb.	.70	1/2 lb.	.45	1/4 lb.	.25	oz.	.10
No. 7	...lb.	.60	1/2 lb.	.40	1/4 lb.	.25	oz.	.10
Chaircane	5 sizes	\$1.25 to \$1.75 per bunch						
Raffia, Natural	.....	.....	.....	.....	.....	.....	oz.	.10
Raffia, Colors	.....	.....	.....	.....	.....	.....	oz.	.15
Rattan	.....	.....	.....	.....	.....	.....	lb.	\$1.00

Flower Tubs, All Sizes

	\$1.25	\$1.50	\$1.75	\$2.00	\$2.50	\$3.50
Flower Pots						
Hanging Baskets						
Fern Pans						
Lily Pans						



Crocks, Jugs and Jars

Crocks	Covers	
1 gal....	\$.20	\$.23
2 gal....	.40	.23
3 gal....	.60	.30
4 gal....	.80	.40
5 gal....	1.00	.45
6 gal....	1.20	.55
8 gal....	1.70	.65
10 gal....	2.20	.75
12 gal....	2.64	.85
15 gal....	3.60	
20 gal....	4.80	

JUGS

1 gal.	.....	\$.25
2 "	.....	.50
3 "	.....	.75
4 "	.....	1.00
5 "	.....	1.25

BUTTER JARS

2 lb.	\$.15
3 "17
5 "20



Galvanized Window Boxes In Various Styles and Sizes

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