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7221  
Annual Catalogue for 1929

# First Quality Seeds

## Bulbs, Flowers and Poultry Supplies

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U. S. Department of Agriculture



# Des Moines Seed Co.

## Des Moines, Iowa

818 Walnut St.

Phone Market 1877





## LAWN GRASS SEED

A nice, velvety lawn adds more to the beauty of a place than any other adornment, while without a good lawn even the finest flowering plants and elegantly arranged beds seem insignificant. How important it is then to plan for the best lawn obtainable. Do not spend money in sodding a lawn for it is expensive. When sod is cut from the roadside or some out-of-the-way pasture, it is poor in quality and full of weeds, and produces a rough surface which disfigures the lawn. It costs much less to sow seed and the lawn is better.

**EVERGREEN MIXED LAWN GRASS SEED.**—(Bu., 15 lbs.)—Our own special mixture of grass seeds suited for growing together in the central and northern states. Will make a beautiful, soft, velvety lawn, as handsome green as an emerald and is formed of grasses which keep green from early spring all through the summer. It comes up quickly and it soon spreads to cover the ground. Ready for the mower in 6 or 8 weeks. Permanent, though it is a good plan to give a lawn a top seeding every 2 or 3 years. Made from new crop, re-cleaned seeds. One pound will sow about 400 square feet. Price per lb., 50c; 3 lbs. for \$1.35, postpaid to Iowa points.

**SHADY PLACE MIXTURE.**—(Bu., 15 lbs.)—This mixture is a combination of fine, dwarf-growing, evergreen varieties of grass which grow naturally in the woods or in shaded spots, to make a fine lawn under shade trees. All grasses need sunlight, but certain ones thrive better in shaded situations than the ordinary kinds. By the use of our Shady Place Mixture you can get a fine grass under the trees and along the north side of boundary fences and hedges. Sow the seed thickly, one lb. to three hundred square feet. Heavy seeding makes quick sod. Price, per lb., 50c; 3 lbs., \$1.40, postpaid.

**TERRACE LAWN MIXTURE.**—(Bu., 15 lbs.)—It is very difficult sometimes to grow a good sod on sloping ground, terraces, side hills, or on embankments. This is a mixture of grasses which have strong and spreading roots, making a close turf which heavy rains cannot wash out easily. On new lawns some oats should be sown in order to prevent washing until the grass gets a start. Per lb., 60c; 3 lbs., \$1.60, postpaid.

**WHITE CLOVER.**—The well-known common white clover is very hardy and its dwarf growth makes it desirable for lawn mixtures. Its close, dense turf and creeping habit makes it fine for terraces and sloping ground. Seed very small and requires but little in mixtures. Our stock is the best and cleanest we can find. Specially for lawns. Lb., 65c; 3 lbs., \$1.80, postpaid.

**SOUTH GERMAN BENT GRASS.**—A fine grass which makes a beautiful turf and spreads rapidly. Best results for shady spots. Per lb., \$1.00, postpaid.

**KENTUCKY BLUE GRASS.**—(Bu., 14 lbs.)—The legal weight of Blue Grass is 14 lbs. per bushel. Improved cleaning is now possible and our grade will actually weigh 21 to 25 lbs. per measured bushel. To avoid confusion we offer by the pound. We pride ourselves on this extra choice grade, which is of unusual purity and high germination and of special value for lawns. This is the best grade of fancy cleaned, new crop, tested seed. Lb., 60c, postpaid in Iowa.

## Lawn Fertilizers

**VIGORO.**—Lawn grass is a voracious feeder and will not thrive and hold its dark green color and velvety appearance unless it is suitably fed. Vigoro is an odorless, finely pulverized plant food prepared by Swift & Co. specially for lawn and garden purposes. It carries a high percentage of nitrogen, phosphorus and potash, so that it will give four times the fertility of sheep manure. Use 25 lbs. for 1,000 sq. ft. Price, 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.00.



**PEARLESS FERTILIZER.**—A high-grade commercial fertilizer showing 3-12-4 analysis. Extra strong. Prepared for lawn and garden uses. For lawns apply 40 lbs. per 1,000 square feet. For gardens use ½ lb. per foot of row or 300 pounds per acre. Price, 25 lbs., \$1.00; 100 lbs., \$3.00.

**SHEEP MANURE.**—A natural manure, unadulterated. If wanted in liquid form, dissolve at the rate of 1 lb. to 5 gallons of water. Price, 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs. for \$3.00. Ask for price in quantity.

**PURE BONE MEAL.**—It is clean, free from odor and gives results in added growth of grass. Preferred by many users because it lasts longer than other fertilizers, one application usually showing results for several seasons. 10 lbs., 50c; 50 lbs., \$2.00; 100 lbs., \$3.75. Ask for prices in quantity.



January 2, 1929

# TODAY'S VALUES

## FIRST QUALITY SEEDS

### DES MOINES SEED COMPANY

818 Walnut Street

Phone Market 1877

Des Moines, Iowa

**About Warranty—Notice—**We use great care in selecting and testing all seeds, and nothing is sent out which we do not believe to be good in every respect, but we do not give any warranty, express or implied, as to description, quality or any other matter of any seeds we send out, and we will not be in any way responsible for the crop. If not accepted on these terms, they are to be returned at once, and the money paid for same will be refunded.

#### CLOVER AND GRASS SEEDS

Clover and Grass Seeds are sold on a close margin of profit and the price fluctuates with the market. These prices are good for orders sent within ten days under general conditions, but of course are subject to stock unsold, and we reserve the right to change without notice should there be extreme fluctuations. If you do not buy until later ask for prices then. 14 lbs. or more sold at the 100-lb. rate.

	Per 100 lbs.	Equals per bu.
Clover Seed—Weight 60 lbs. per bu.		
Medium Red—First quality.....	\$40.00	\$24.00
Mammoth Red—First quality.....	41.00	24.60
Alsike—First quality .....	40.00	24.00
Alfalfa—First quality (N. W.).....	35.00	21.00
"    Dakota or Idaho.....	37.50	22.50
"    Grimm, northern .....	50.00	30.00
Sweet—Officialis Yellow biennial...	13.00	7.80
"    First quality White biennial..	13.00	7.80
"    Grundy County White.....	13.00	7.80
Hubam .....	40.00	24.00
White Dutch—First quality .....	52.00	31.20
Timothy—(45 lbs. bu.) .....	8.00	3.60
Timothy and Alsike Mixed (50 lbs. bu.)		
About 20% Alsike .....	14.00	7.00
Sudan Grass—(30 lbs.) .....	10.00	3.00
Millet—First quality (50 lbs.).....	7.00	3.50
"    Manitoba .....	7.00	3.50
"    Hungarian .....	8.00	4.00

#### LIGHT GRASSES

All sold on the basis of 14 lbs. per bushel except

	Per 100 lbs.	Equals per Bu.
The Mixtures, which are 15 lbs. per bushel.		
K'y Blue Grass—First quality.....	\$45.00	\$ 7.30
Lawn Grass—Evergreen .....	45.00	7.75
Shady Place .....	45.00	7.75
Terrace Mixture .....	50.00	7.50
Putting Green .....	50.00	7.50
Golf Links .....	50.00	7.50
Red Top—Fancy Cleaned .....	25.00	3.50
Orchard Grass .....	25.00	3.50
Perennial Rye Grass.....	20.00	2.80
Italian Rye Grass.....	18.00	2.52
Eng. Blue Grass (Meadow Fescue) ..	25.00	3.50
Bermuda Grass .....	45.00	6.50
Hog Pasture .....	22.00	3.30

#### SEED POTATOES

Market unsettled. Write for price, or if you order now the order will be filled according to value at shipping time, usually April 1st to 10th.

	Peck	Bushel
Extra Early Ohio .....	\$ .50	\$ 2.00
Red Triumph .....	.60	2.25
Irish Cobbler .....	.60	2.25
Burbank (late) .....	.50	2.00
Rural New Yorker (late).....	.50	2.00
Sweet Potatoes, Yellow Jersey, bu.,	\$3.50 bbl.,	9.00
Sweet Potatoes, Nancy Hall, bu.,	3.75 bbl.,	10.00

#### SEED CORN

	Per bu.	10 bu.
Iowa Gold Mine .....	\$ 4.00	\$37.50
Iowa Silver Mine .....	4.00	37.50
Reid's Yellow Dent .....	4.00	37.50
Pride of the North.....	4.00	37.50
Iowa Crown Krug .....	4.00	37.50
Longfellow Dent .....	4.50	40.00
Early Leaming .....	4.00	37.50
Evergreen Sweet Fodder (50 lbs.)....	6.00	....

#### FORAGE AND FODDER CROP

You can greatly increase your yield for forage, fodder, or silo by growing these.

	Per 100 lbs.	Equals per bu.
CANE—For Fodder (50 lbs.).....	\$ 4.00	\$ 2.00
KAFFIR CORN—White for seed (56 lbs.) .....	5.00	2.80
MILO MAIZE—Red for seed (56 lbs.) ..	5.00	2.80
FETERITA .....	5.00	2.80
DWARF ESSEX RAPE—10 lbs. \$1.50	12.00	7.20
FIELD PEAS—White .....	8.00	4.80
SOY BEANS—Ito San (Northern) 60 lbs. ....	6.25	3.75
Manchu (Northern) .....	6.25	3.75
Midwest Yellow .....	6.25	3.75
Black Eyebrow .....	6.25	3.75
BROOM CORN—Evergreen .....	7.00	3.50
Dwarf .....	7.00	3.50

#### SEED GRAIN

It pays to sow pure bred clean seed grain if you desire a good crop, and we can please you.

	10 bu. or Per bu. more at
SEED OATS—Iowar .....	\$ 1.00 \$ .90
White Kherson (Iowa 103).....	1.00 .90
Richland (Iowa 105) .....	1.00 .90
SEED BARLEY—Manshury .....	2.00 1.90
Oderbrucker .....	2.00 1.90
SEED WHEAT—Marquis .....	2.50 2.40
Early Java .....	2.50 2.40
SEED RYE—Rosen, Winter .....	1.75 1.65
Monster, Winter .....	1.75 1.65
BEANS—Improved Navy, lb., 15c.....	7.50 7.20
Red Kidney, lb., 25c.....	12.00

#### POULTRY FOODS

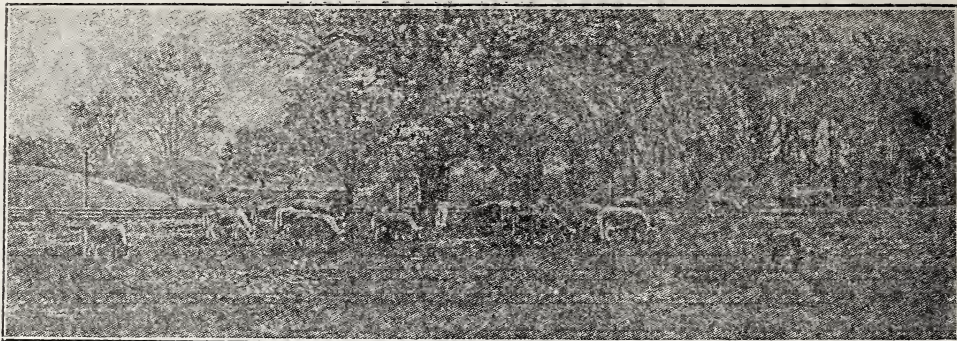
	Per 100 lbs.
Plymouth Rock Foods .....	
Plymouth Rock Hen Food.....	\$ 2.75
Plymouth Rock Chick Food .....	3.25
Plymouth Rock Egg Mash .....	3.00
Plymouth Rock Buttermilk Food ..	4.00
Cracked Corn, screened.....	2.65
Corn Meal .....	2.65
Shelled corn .....	2.50
Bran, best quality .....	2.25
Shorts, good quality .....	2.50
Oats, whole, for sprouting or feeding..	2.40
Milo Maize and Kafir Corn, mixed.....	2.75
Barley for feeding .....	2.50
Buckwheat, for feeding .....	5.00
Field Peas .....	8.00
Sunflower .....	10.00
Oil Meal—Linseed .....	3.50
Alfalfa Meal .....	3.00
Meat Scraps .....	6.00
Crushed Oyster Shell, regular.....	1.75
Poultry Grit .....	1.75
Crushed Raw Bone, poultry size.....	5.00
Fine Crushed Bone, for chicks.....	5.00
Charcoal, fine or coarse.....	5.00
Conkey's Buttermilk Starting Food.....	6.00
BLATCHFORD'S PRODUCTS .....	25 lbs. 100 lbs.
Calf Meal, milk substitute .....	\$ 1.75 \$ 6.00

#### FERTILIZERS

	100 lbs.	1000 lbs.
Acid Phosphate .....	\$ 2.25	\$17.50
Pulverized Sheep Manure.....	3.00	26.00
Pure Bone Meal.....	3.75	35.00
Nitrate of Soda.....	6.00	55.00
Sulphate of Ammonia.....	6.00	55.00
Muriate of Potash.....	5.00	47.50
Garden Fertilizer 3-8-4.....	3.00	27.50
Lawn Fertilizer 4-12-4.....	3.00	27.50
Vigero Special .....	5.00	47.50
Tobacco Dust Fertilizer.....	4.00	35.00

NO CHARGE FOR BAGS OR DRAYAGE AT ABOVE PRICES. CUSTOMERS PAY FREIGHT





## GRASS SEEDS FOR MEADOWS AND PASTURES

### MEDIUM RED CLOVER

This is the most important of clovers and our first quality grade is the plumpest, cleanest, purest, fanciest tested, and of high vitality. Farmers usually sow 15 to 20 pounds of clover seed to the acre when sown alone, but this seed is so choice that 6 or 7 pounds is really sufficient, but we recommend sowing 10 pounds to be sure of a perfect stand. About 5 pounds, if sown with timothy. Per lb. 50c, 3 lbs. \$1.50, postpaid.

### MAMMOTH RED CLOVER

Also called Sapling or Pea Vine Clover. It greatly resembles the Medium Red but grows coarser and more vigorous. It is the best for pasturing as it produces an enormous yield. Not as desirable for hay. Specially desirable for hog pasture. Per lb., 50c, 3 lbs. \$1.50, postpaid.

### ALFALFA

No crop is so valuable for permanent meadow as Alfalfa. Three crops of hay are cut generally, while many seasons produce four cuttings. It stands the dry, hot months of July and August, and continues green and growing at this time when other grasses are dormant. It is grown everywhere now, and it is a question of soil rather than climate which determines success. We procure our Alfalfa seed from the states of Kansas, Nebraska and South Dakota so that they are suitable for any section of the country. Actual tests of seed from all over the United States show that the stocks produced in the states named give the best results. Per lb. 50c, 3 lbs. for \$1.40, postpaid.

### ALSIKE CLOVER

A perennial variety. Does not die out after seeding as does the common red. Preferred for permanent pastures and meadows. Hardier than common clover and will winter over the severest seasons. It thrives on wet, heavy soils and in mucky ground better than any other. It grows 18 to 24 inches high and has round pink or flesh colored blossoms. The seed is small and 7 lbs. alone or 3 lbs. with timothy, are sufficient for an acre. You can seed with Alsike at a lower cost per acre than any other clover. Per lb. 50c, 3 lbs. for \$1.50, postpaid.

### SWEET CLOVER

This is now a standard crop. It is being used in spring sowing exactly as common red clover. Some farmers seed it with small grain for nurse crop, while others are sowing it alone in early spring and securing both pasturage and hay the first year. The handling of this crop has passed the experimental stage. We now have machines to hull and clean it, so that we offer it in as high quality and purity as any clover. Per lb. 30c, 3 lbs. for 80c, postpaid.

### TIMOTHY

Now the most popular and widely distributed of grasses. It grows throughout the United States; thrives in the temperate zones throughout the world. It is a hardy perennial and quite tenacious so that it continues to grow in spite of summer heat or winter cold. It is the foundation grass for meadows and pastures and is popular because it fits in with almost any rotation system. Generally sown with clover in spring, among oats, wheat or rye. Use 12 lbs. of seed per acre if alone; 10 lbs. with clover. Per lb. 25c, 3 lbs. 50c, postpaid.

### KENTUCKY BLUE GRASS

Kentucky Blue Grass is the most popular of the light grasses. It thrives in all parts of the United States. As a pasture grass it affords more nourishment for live stock than any other. Sow 15 pounds per acre. First quality. The legal weight of blue grass is 14 lbs. per bushel. Ours actually weighs 19 to 21 lbs. per measured bushel. By mail postpaid per lb. 60c; 3 lbs. \$1.50.

### ORCHARD GRASS

Second only to blue grass as a pasture grass and superior to it for meadow purposes. Available very early in spring and continuing fit until frozen. Seems to grow more luxuriantly the more it is cropped. Thrives better in shaded situations than other grasses, and is therefore specially valuable for woodland pastures and meadows. Per lb. 50c, 3 lbs. \$1.40, postpaid.

### ENGLISH BLUE GRASS

Also called Meadow Fescue. (Weight 14 lbs. per bushel.) A valuable grass and one growing in use as it becomes known to western planters. It is splendid in mixed pastures or meadows. Sow 20 lbs. per acre if alone. Lb. 50c, 3 lbs. \$1.40, postpaid.

### RED TOP

Very hardy perennial, in form similar to blue grass. Specially useful as an item in pastures or meadows on wet soils. Adapted to almost all land. Solid seed per lb. 45c, 3 lbs. \$1.25, postpaid.

### PERENNIAL RYE GRASS

Also known as English Rye Grass. This sort is perennial, perfectly hardy in our climate and a valuable grass for permanent meadows or pastures. Legal weight 14 lbs. per bushel. Sow 20 lbs. per acre. Lb. 35c, 3 lbs. \$1.00, postpaid.

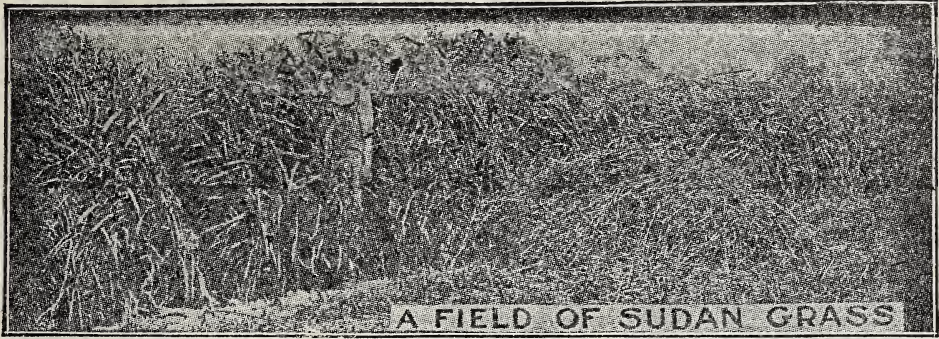
### ITALIAN RYE GRASS

The annual rye grass which grows so quickly. Produces a fine crop of hay in 70 to 80 days. Will produce second crop suitable for pasturage. Sow 14 lbs. (1 bu.) per acre. Per lb. 35c, 3 lbs. \$1.00, postpaid.

### WHITE DUTCH CLOVER

See inside front cover.





### AMBER CANE FOR SYRUP

An improved variety. The stock seed has been saved from stalks tested for sugar content. Specially recommended for northern planters as it matures quicker than other varieties. Will grow over wider area than any other sort. Has produced 8 tons of stripped cane per acre, producing an excellent grade of sorghum and in addition a crop of seed which averaged a ton to the acre. Use only 5 lbs. seed per acre. Price: Per lb. 25c, 3 lbs. 60c, postpaid. Not prepaid, 10 lbs. \$1.25, 25 lbs. \$3.00, 100 lbs. \$10.00.

### CANE FOR FODDER

There is no fodder plant in existence that is so generally popular or that is grown over such a wide scope of territory. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and does not appear to be affected by drouth. It is easy to raise, the only real labor in its management coming at the harvest. It is valuable as pasture, green forage, as hay or fodder, and as silage, so that a live stock feeder can, from one field of cane produce feed for several months as needed. It is wonderfully productive, the Ames Agricultural College harvesting twenty-nine tons of fodder per acre on August 27th from a plot seeded on May 21st. Prices: Not prepaid, 25 lbs., \$1.50. See Farm Seed price list.

### KAFFIR CORN

Grows five to six feet high, straight, upright growth. The stalk bears numerous wide leaves; keeps brittle and juicy, making excellent fodder, either green or dried. Seed crop is heavy, yielding 30 bushels per acre. Can go without rain without any loss in yield. Generally cultivated in drilled rows about three and one-half feet apart, requiring about ten pounds per acre. It is given about the same cultivation as ordinary corn except that it is only cultivated one way. In sowing broadcast treat same as Amber Cane and we recommend from 50 to 100 pounds of seed per acre. Use a grain drill, cross planting both ways. Price, packet 5c, lb. 20c, 3 lbs. 50c, postpaid. By freight or express, not prepaid, 10 lbs. 75c, 25 lbs. \$1.50.

### MILO MAIZE

Belongs to the same family as Feterita and Kaffir Corn and resembles them in manner and habit of growth. Price per lb. 20c, 3 lbs. 50c, postpaid. By freight or express, not prepaid, 10 lbs. 75c, 25 lbs. \$1.50.

### FETERITA

Similar to Milo Maize and Kaffir Corn in general habit. It matures earlier than either, however, and the grains are somewhat larger and softer. Per lb. 20c, 3 lbs. 50c, postpaid. By freight or express, not prepaid, 10 lbs. 75c, 25 lbs. \$1.50.

### SUDAN GRASS

This is an annual grass which is very highly recommended. It has become in a few short years one of the principal, if not the leading forage crop of America. Each year adds to its popularity as it proves a splendid crop. We have no record of failure or disappointment to the planter. We recommend Sudan Grass to take the place of the millets as a summer hay crop. It will yield much larger quantities per acre than any of the varieties of millet generally grown and is of better quality. This in our judgment is its most valued place in agriculture. Per lb. 25c, 3 lbs. 60c, postpaid.

### DWARF ESSEX RAPE

At the Iowa Experiment Station, 60 bushels of oats and 18 tons of rape were grown on an acre, the oats and rape being sown together early in the spring. The rape interfered but slightly with harvesting the oats and afterwards produced a heavy growth which amounted to 18 tons when cut in October. Rape is also sown in corn at last cultivation. This is a very profitable method where the crop is to be "hogged down" in October. Rape belongs to the cabbage family and will generally withstand the frosts of September or early October, and adds greatly to the value of the forage crop with the corn where stock are turned in. Per lb. 25c, 3 lbs. 60c, postpaid.

### SOY BEANS

Price any variety Soy Beans, per lb. 25c, 3 lbs. 60c, postpaid. See Farm Seed List for quantity prices.

The most valuable method of using the Soy Beans in the Corn Belt is to plant them in the corn at the time of planting, placing two or three beans in each hill of corn. Most planters now have either a Soy Bean attachment or one which can be adjusted to the dropping of the beans in the manner suggested. The crop is "hogged down" in October and produces pork at very low cost. If rape is sown at last cultivation of the corn and beans, added value is given to the pasturage.

### VARIETIES OF SOY BEANS

**BLACK EYEBROW.**—Beans are black and yellow, easily identified. Very prolific, early ripening and desirable. Produced the heaviest crop for us this season.

**MANCHU.**—Medium size, clear yellow bean; grows upright, heavy foliage and splendid yielder. Our stock true to name, grown by ourselves here in Iowa.

**ITO SAN.**—Best known variety. Beans yellow with distinct spot on blossom end. Upright grower, heavy foliage, very prolific.

**MIDWEST.**—A small yellow bean of excellent habit. Matures early. Stands up well, with strong foliage. Formerly sold under the name of Mongol and Medium Yellow.



# SELECTED SEED CORN FOR 1929

SEE FIRST PAGE FOR SEED CORN PRICES.

All our seed corn is offered with return privilege. We give you fifteen days in which to examine and test it, and if it does not please you it may be returned and any money paid will be refunded. Further than this we do not guarantee as we cannot be responsible for the crop.

## Iowa Gold Mine

Ripens in 95 days. Will mature when other varieties fail because the cob is so small it dries out quickly and thoroughly. Seventy pounds of ears make 60 to 64 pounds shelled corn. Most beautiful yellow color and when carefully shelled and cleaned will actually grade No. 1 in the markets. Has wonderful feeding value because the grain is soft and full of oil. A splendid variety to plant with soy beans and rape to "hog down" in the fall. It is strictly a feeder's corn. You cannot afford to sell it on the ear at market price, but it is worth ten cents a bushel more than any other to feed to your live stock.

## Krug Yellow Victor

This variety proved the best yielder in the most competitive test ever staged covering a period of three years. One hundred and twenty farmers competed in the test and the Krug was the best yielder each year. The corn grows vigorous, produces large, heavy ears, with large, thick grains. We believe it to be the best main crop variety for central Iowa. It ripens in 100 days and will make sound corn in any season that any other variety will mature. Give it good soil and good cultivation and it will prove a great money maker.

## Reid's Yellow Dent

There are a great many subdivisions of this variety because numerous farmers have selected a type to suit their fancy, given it their own name and sold it as a new variety. Our stock of Reid's Dent is not bred from show corn, but is the large, smooth, original type selected for yield and earliness rather than for size or beauty. It is real corn and will make you a real crop. Our strain will ripen in 110 days in an ordinary season, and is fully ten days ahead of the Reid's as generally grown. The corn is too well known to need description as it is the standard main crop variety in Iowa and greater part of corn belt.

## Pride of the North

Ripens in 90 days. We think this the best of the extra early dent corns. It has the soft, oily grain so productive of growth in animals. It is the dependence of a man in a pinch. If for any reason you cannot plant until June or if floods drown out the first planting, you can put in Pride of the North and get a good crop. We have matured it planted July 4.

## Iowa Silver Mine

Ripens in 100 days. This is in our opinion the best white corn in existence, as it may be depended upon to give extra heavy yields of thoroughly matured corn. The ears are not extra long, averaging ten inches, but they are solid and heavy. The stalks are strong and vigorous and more of them carry two ears than any other sort. In total yield per acre no variety will exceed the Silver Mine, and very few will equal it. Our belief is that over a period of years under ordinary farming conditions the Iowa Silver Mine will prove more profitable than any other kind. Don't be prejudiced against white corn, but if you are just plant Silver Mine and your prejudice will disappear.

## Early Leaming

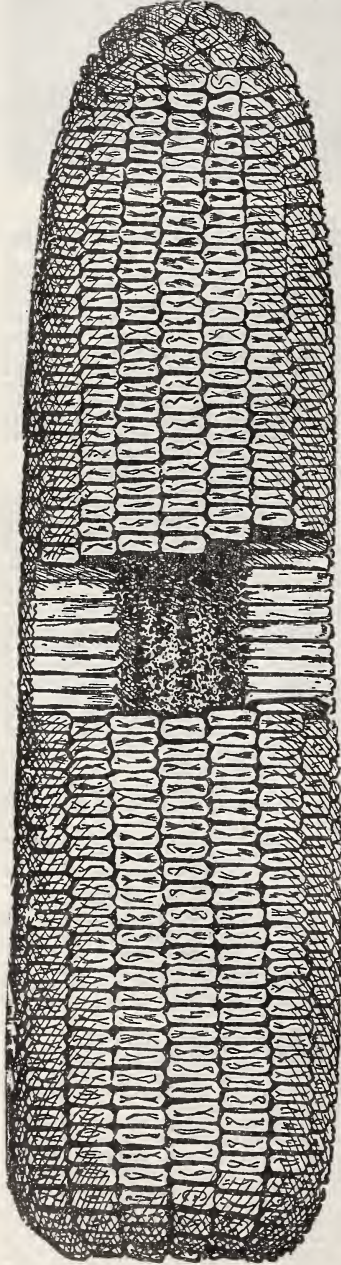
The Leaming corn has been grown for fifty years and is the oldest pure-bred corn now grown. It must possess merit to hold its place in the list in competition with all the progress in corn breeding. A great many varieties have been introduced, grown a few years and discarded, but the Leaming still holds. The reason for this lies in its earliness (95 to 100 days), solidity (the ears are extra heavy for size) and large yields of fine corn. Ears are smooth and easy to husk, and it is a fine variety to haul to market on the car.

## Longfellow Dent

This corn has every mark of a cross between flint and dent types. The ear is long (12 to 13 inches), 10 to 12 rows, and the grain is shallow, broad and thick. It is wonderfully vigorous and will produce a crop under most adverse conditions. It ripens in 90 days and can be grown successfully as far north as the Minnesota line. As a corn for hogs it has no superior, while in Nebraska it is known as "cattle corn." It is true dent corn, although it must contain some flint blood in its pedigree. If you want the largest possible crop in the quickest time plant Longfellow Dent. You can use it for the silo, for hogging down, or for winter feeding.

## Evergreen Fodder Corn

We consider sweet corn one of the most valuable fodder plants in existence. The type we offer is the large evergreen which grows 8 to 10 feet tall and produces large, heavy ears. Reaches roasting ear stage in 70 days, and is then ready to cut and feed to hogs and milch cows.



IOWA GOLD MINE CORN

SEE PAGE ONE FOR PRICES OF SEED CORN AND OTHER FARM SEEDS



## Cut Flowers and Blooming Plants

For Gifts and Social Occasions.  
For Hospital and Funeral Service.


# FIRST QUALITY SEEDS

There are different grades in seeds just as in other merchandise, and it is our policy to handle only the first grades. Such stocks are of course somewhat higher in price than common commercial grades. Our prices are as low as such stocks can be sold, and you may be assured you will get value received. It pays to buy the best seeds. We cannot give any warranty but if you get anything from us that is not satisfactory you can return it and get your money back. You can have 15 days in which to test and examine your purchase.

## DES MOINES SEED COMPANY

E. T. Peirce  
SIS WALNUT STREET

W. J. Newby

R. R. Benn

Katherine Brennan  
Telephone Market 1877

## ASPARAGUS ROOTS

Our roots are strong and healthy. We recommend the 1-year-old roots.

**CONOVER'S COLOSSAL—One-year plants.**—Per doz., 30c; 100 for \$1.50; postpaid. By express or freight, not prepaid, 100 for \$1.25, 1,000 for \$9.00.

**Two-year plants.**—Per doz., 50c; 100 for \$2.50; postpaid. By express or freight, not prepaid, 100 for \$1.75, 1,000 for \$15.00.

**PALMETTO.—One-year plants.**—Per doz., 30c; 100 for \$1.50; postpaid. By express or freight, not prepaid, 100 for \$1.25, 1,000 for \$9.00.

**Two-year plants.**—Per doz., 50c; 100 for \$2.50, postpaid. By express or freight, not prepaid, 100 for \$1.75, 1,000 for \$15.00.

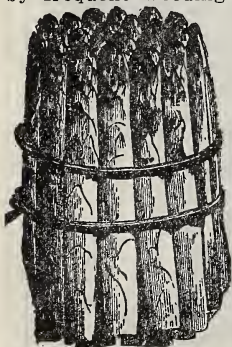
**NEW WASHINGTON.**—Same prices as Palmetto above.

### POSTPAID PRICES FOR VEGETABLE SEEDS

## ASPARAGUS

(One ounce will sow forty feet of drill)

Asparagus is so easily grown every garden should contain a bed. A bed 10 feet square, requiring 50 plants, will give abundant supply for an ordinary family. Sow early in spring in rows a foot apart; keep clean by frequent weeding and hoeing. Circular



WASHINGTON

on How to Make an Asparagus Bed, free. **THE NEW WASHINGTON.**— Entirely distinct variety, that produces shoots which are white as long as they are fit for use. Robust and vigorous in habit, and throws up large shoots. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$2.00.

**PALMETTO.**— Stalks frequently measure 2 inches in diameter, and even when of extra length are perfectly tender when cooked. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**CONOVER'S COLOSSAL.**—The standard variety. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.

## BRUSSELS SPROUTS

(One ounce for about 3,000 plants)

Of the cabbage family, producing numerous heads along the stem, of most delicious quality, - like cabbage - with head at top. Use and cultivate like winter cabbage.

**AMERICAN MAMMOTH.**— Greatly superior variety of American origin, which forms heads about 3 weeks earlier than other sorts. Profitable for market gardeners. Pkt., 10c; oz., 25c; ¼ lb., 75c.



BRUSSELS SPROUTS

**NOTICE.**— We give no warrant, express or implied, as to description, quality, productiveness, or in any other respect, and will not be in any way responsible for the crop.

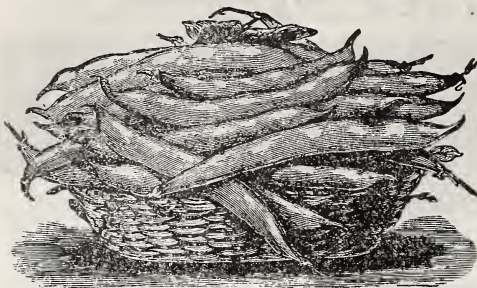
ALL VARIETIES LISTED IN THIS CATALOG ARE PROVEN SORTS FOR BEST RESULT



# BUSH BEANS

(One pound will sow 50 ft. of drill.)

Dwarf or bush beans require no support and may be planted in drills or hills. They do best if not crowded. Do not plant until danger of frost is past. Do not plant more than two inches deep. Never cultivate when the plants are wet. The bean crop is short this year and prices rule higher in the markets. We have not raised our prices and we offer you first grade stock at bargain values.



BRITTLE WAX.

## WAX POD SORTS

**BRITTLE WAX.**—Very productive. Pods are nearly straight, rather broad, solid and 4 to 6 inches long. Pods stringless, quality excellent. Pkt., 10c;  $\frac{1}{4}$  lb., 40c; postpaid. Not prepaid, any quantity, 30c per pound.

**UNRIVALLED WAX.**—An extremely productive variety, stringless and very early. Popular with gardeners. A peculiar bright yellow color; very attractive. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, 30 cents per pound.

**PENCIL POD BLACK WAX.**—Pods tender, round, fleshy and stringless. The best strain of Black Wax type. A favorite for canning in glass. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, 30 cents per pound.



IMPROVED GOLDEN WAX

**IMPROVED GOLDEN WAX.**—Pods are rich golden yellow, of perfect shape and rust-proof. Best for family or market garden. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 30 cents per pound.

**WARDWELL'S KIDNEY WAX.**—Long, flat pods of light waxy yellow color. A favorite market sort of attractive appearance. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 30c per pound.

**WEBBER WAX.**—Extra quality, long, flat pods. Stringless. Pkt., 10c;  $\frac{1}{4}$  lb., 15c lb., 40c; postpaid. Not prepaid, any quantity at 30 cents per pound.



STRINGLESS GREEN POD

## GREEN POD SORTS

**STRINGLESS GREEN POD.**—The most popular green pod variety for both home and market growers. Crisp, tender flavor. Finely shaped, long green pods, absolutely stringless. Ready to pick in 30 days from planting. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, 30 cents per pound.

**BOUNTIFUL.**—Vines strong, upright, abundant heavy foliage. The pods are thick and broad and entirely stringless, and produced in great profusion. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 30 cents per pound.

**FULL MEASURE.**—A round pod stringless bush bean for main crop. Heavy yielder of large pods. Said to be the heaviest yielder of the bush beans. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Any quantity not prepaid 30c lb.

**IMPROVED EARLY VALENTINE.**—Produces thick, fleshy pods abundantly. Splendid quality, nearly the whole crop can be taken at one picking. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 25 cents per pound.



BOUNTIFUL

YOU CAN PLANT EARLY GARDEN BEANS AS LATE AS AUGUST 15 FOR CANNING



## DWARF LIMA BEANS

This type of beans have the true lima shape and flavor. They grow in bush form and are favored because they are easier to produce than the older running types. They do not require support. Should be planted in rows 3 feet apart to secure greatest yield.

**BURPEE'S BUSH LIMA.**—Beans are as large as the large white pole variety. Grow 18 to 20 inches high; stout, erect, yet branching and vigorous; excellent green shelled beans. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 50c; postpaid. Any quantity not prepaid at 40 cents per pound.

**HENDERSON'S BUSH LIMA.**—Sure to ripen its enormous crop. Excellent either green, shelled or dry. Beans are smaller than the "pole variety, and are sometimes called "Baby Limas." Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 35 cents per pound.

**FORDHOOK BUSH LIMA.**—Beans very thick and fleshy, differing in shape from the ordinary large limas, but are fully as large. Of best quality. Pkt., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c; postpaid. Not prepaid, any quantity at 45 cents per pound.



BURPEE'S BUSH LIMA.



HENDERSON'S DWARF LIMA.

## NAVY BEANS

**IMPROVED NAVY.**—Grown for use as shell beans in winter. Use one-half bushel per acre for field crop. Our stock is especially saved for seed purposes, and is superior. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 30c; postpaid. See first page price list for quantity price.

### RED KIDNEY

A very popular variety grown as a field crop. Largely used for canning in mature form. Beans are large, deep red color and kidney shape. Grow good size, sturdy plants and yield heavily. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 30c; postpaid. See first page price list for quantity price.



## POLE BEANS

Frequently planted among the corn and good returns are secured, but if you can furnish poles for support they will produce wonderfully; far more than the dwarf sorts.

**OLD HOMESTEAD.**—Is also known as Improved Kentucky Wonder. Enormously productive. Can be grown with corn to good advantage. Pods are long, round and fleshy. Cook very tender and are extra well flavored. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 30 cents per pound.



LAZY WIFE.

**LAZY WIFE.**—Very popular. Pods rich, tender and stringless qualities until nearly ripe. The white beans are large, round, plump, and make excellent winter shell beans. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 30 cents per pound.

**SPECKLED CUT SHORT.**—The old-fashioned cornfield bean so popular. Good quality and a good yielder. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 30 cents per pound.

**KING OF THE GARDEN LIMA.**—An improvement on the large White Lima. Pods are of enormous size with 3 to 5 large beans. The most prolific of the large limas. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 35 cents per pound.

OLD HOMESTEAD.



# TABLE BEETS

(One oz. sows 50 ft. of drill; 4 to 6 pounds for one acre.)

For early, sow as soon as ground can be worked, and from the middle of May for general crop, in drills 15 inches apart and 1½ inches deep. As the plants grow, thin to 6 inches in drills. Young plants make excellent greens. The soil should be rich. Hoe often, taking care not to bruise the roots.

**CROSBY'S IMPROVED EGYPTIAN.**—We believe this to be the earliest variety. Regular in shape, smooth with small tops and small tap root. Being a rapid grower it may be sown outside as late as the first of August. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**EARLY CRIMSON GLOBE.**—Very early, of spherical form. Skin very smooth and it is as handsome a beet as you can imagine. It is a rich, deep red color, shading to purple. Its flavor cannot be surpassed. When cooked it is of even dark color throughout, and is attractive on the table. Uniform shape and size. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

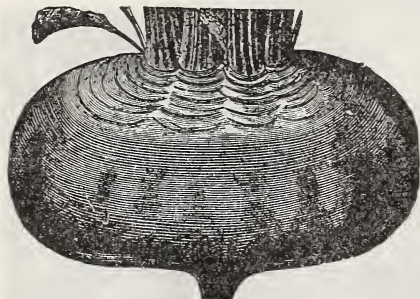
**DETROIT DARK RED.**—One of the best varieties for main crop. Roots are round, very smooth, of good size, and for table use is unexcelled. Skin is deep blood red; flesh is dark red and is sweet and tender. Very popular. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.



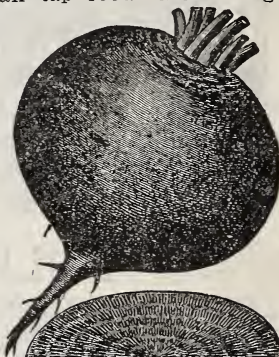
**EARLY WONDER.**—The earliest of the round globe-shaped beets. Splendid bright color and uniform in size and shape. A very desirable variety for the market gardener. Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., \$1.25.

**MARKET GARDENERS.**—One of the best. Very symmetrical, with small tap root. Grows large and makes a good beet for the winter. One sowing produces early beets for the market and main crop for winter use, color deep blood red, fine grained. Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., \$1.25.

**GIANT LUCULLUS CHARD.**—Leaves are beautifully curved and of soft, clean shade of green. The thick, broad stalks are as large as rhubarb. Prepared the same as asparagus, or can be used for "greens." Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.25.



CROSBY'S IMPROVED EGYPTIAN



DETROIT DARK RED

## Mangels and Sugar Beets FOR STOCK

**MAMMOTH LONG RED.**—Unexcelled for yielding and feeding qualities. Grows to a very large size. Very uniform, smooth and of good shape. Should be grown on deep, loose soil. Per oz., 10c; ¼ lb., 25c; lb., 55c. Not prepaid, 5 lbs. at 45c per lb.

**GIANT SLUDSTROP.**—The prize variety in Denmark. Tankard shape, color reddish yellow. Grows half out of the ground and is easy to harvest. Per oz., 10c; ¼ lb., 25c; lb., 70c. Not prepaid 5 lbs. or more at 50c per lb.

**GIANT HALF SUGAR MANGEL.**—A hybrid or cross between the Mammoth Long Red and Sugar Beet, and for feeding we have found it superior to either. As heavy a yielder as the mangels and equally as smooth. Per oz., 10c; ¼ lb., 25c; lb., 60c. Not prepaid, 5 lbs. or more at 50c per lb.

**GOLDEN TANKARD.**—Other mangels cut white, circled with yellow, but this is of a rich, deep yellow throughout. A heavy cropper, and on account of shape the roots can grow close in rows. Oz., 10c; ¼ lb., 25c; lb., 60c. Not prepaid, 5 lbs. or more, 50c lb.

**KLEIN-WANZLEBEN SUGAR BEET.**—Cultivated for beet sugar factories; yields 15 to 20 per cent of sugar. Roots straight, tapering evenly and somewhat screw shape. The sugar makes it of great value for feeding. Per oz., 10c; ¼ lb., 25c; lb., 70c. Not prepaid, 5 lbs. or more at 60c per lb.



GROW MANGELS, CARROTS, RUTA BAGAS AND OTHER ROOTS FOR YOUR LIVE STOCK



# CABBAGE

(One ounce will produce about 3,000 plants. Set 8,000 to 10,000 plants per acre, of early sorts, and 6,000 of large, late kinds.)

The cabbage requires a deep, rich soil and thorough working to insure good, solid, full-sized heads. Sow early sorts in hotbeds about six weeks before time to set out the plants in the field or garden. Transplant to rows three feet apart. Our packets contains about 800 seeds. Slug Shot will kill insects and worms.

**EARLY JERSEY WAKEFIELD.**—Considered by many gardeners the very best first early variety. Of large size for so early a kind and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is highest quality. American grown. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**NEW WASHINGTON WAKEFIELD.**—A grand variety, a trifle later than Jersey Wakefield; produces much larger heads, of perfect pyramidal shape, very solid, with few outside leaves. It grows remarkably uniform, heads are of even size and shape. Unequaled for market or family garden. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.

**GOLDEN ACRE.**—An extra early round head variety, specially desirable for the market gardener. Does not make such large heads as Copenhagen, but can be grown more closely together. It is just the right size for the early city market or family use. Claimed to be disease resistant. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00.



COPENHAGEN MARKET

**COPENHAGEN MARKET.**—A splendid early round head cabbage. Matures as early as Jersey Wakefield, has few leaves and is remarkably hard and solid. Grows compact, takes but little room and matures with a short stem. Both type and quality are thoroughly fixed. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., \$1; lb., \$3.50.

**HENDERSON'S SUCCESSION.**—An excellent variety of large size and with flat head maturing in midsummer. It can be brought to perfection in the hottest weather or used as an autumn or winter crop. Heads 10 to 12 inches in diameter, frequently larger, average about 13 lbs. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.

**PREMIUM FLAT DUTCH.**—This well known variety is still the standard winter kind. Heads are large, solid and a first-class keeper. Our strain is given extra care in selection to maintain its even type and sure heading quality. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**IMPROVED DANISH BALLHEAD, or Hollander.**—This variety has been selected and perfected for more than 50 years by the Danish gardeners. They grow it almost exclusively for winter cabbage. Heads round, good sized, solid and very fine grained. Has but few outer leaves. A good keeper, tender and crisp. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.



**BUGNER'S BALLHEAD.**—A strain of Danish Ballhead selected to resist yellows and to produce heads of large size. Close texture and long keeping quality. Perfected by a Chicago gardener and offered as the best late cabbage. We recommend it very highly. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00.

**SUREHEAD.**—Larger than Flat Dutch, more compact and heavier. Will make good heads under adverse conditions. We offer a splendid strain of this popular variety. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.

**PERFECTION DRUMMOND SAVOY.**—Has curled and crumpled leaves. It is an autumn cabbage. Our strain is sure header and is the best variety of this type. Heads are large and solid and will make a good crop. Savoy will give a richer flavor than common kinds. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

**MAMMOTH RED ROCK.**—Is the largest of the red cabbages, solid, heavy, and a good keeper. Color is rich, dark red, so desirable for pickling uses. Heads are solid and weigh 10 to 12 lbs. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lbs., \$1.00; lb., \$3.00.

## CHINESE CABBAGE

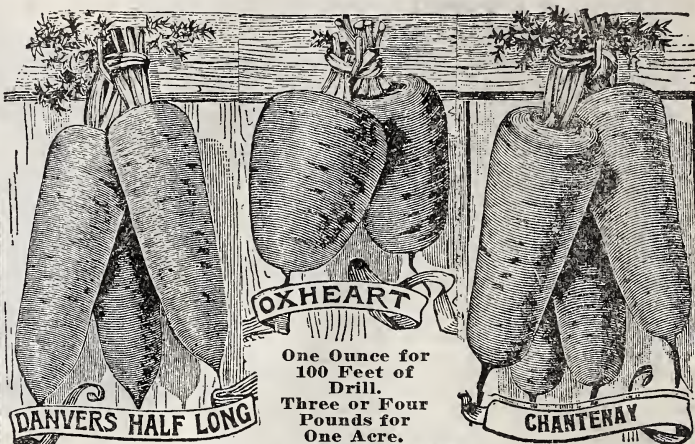
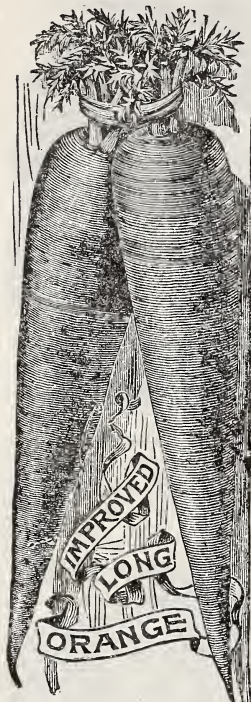
**PE TSAI.**—Produces a long top or head 12 to 15 inches long, which blanches to a beautiful clear white. Sow in hot beds for early or treat as late cabbage for winter use. Leaves are large, have broad ribs and are very tender. Heads frequently weigh six pounds. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 75c; lb., \$2.25.



DANISH BALLHEAD

CABBAGE SHOULD BE AVAILABLE ALL THE YEAR ROUND. IT IS EASY TO GROW





## CARROTS

A nutritious succulent food in the winter for cattle, horses, sheep, and pigs. For early, sow in the spring as soon as ground can be worked, in drills fourteen inches apart, covering one-half inch; thin plants to three or four inches apart in row. For field culture rows should be of sufficient distance for horse cultivator; sow from April to July. A light, sandy loam, deeply tilled, is best.

**EARLY SCARLET HORN.**—Favorite extra early variety. Orange-scarlet, fine grained, and agreeable flavor. Top small, short, stump-shaped root; grows in any soil. Very desirable for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

**NEW MODEL.**—A new variety of great merit. It is a selection from Chantenay with bright red color, perfect half-long shape, and practically coreless. Specially recommended for market gardeners. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**IMPROVED LONG ORANGE.**—Desirable for garden or field. Grows to large size, averaging 12 inches in length and 3 inches in diameter at the top. This is the standard long variety, preferred to Victoria by some because of its deeper orange color. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

**OXHEART, or Gueraude.**—Intermediate between Half-Long and Horn sorts; diameter 3 to 4 inches, beautiful shape; rich orange color. Easily pulled, early as any, best quality all season. Cut tops with scythe; pull with potato hooks. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**DANVERS.**—Is in form about midway between the Long Orange and Shorthorn class, growing generally with a stump root. Rich dark orange color, large size, smooth and flesh of very close texture with little core. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

**CHANTENAY.**—Most desirable early variety for bunching and, although a trifle later than first earlies, will yield much handsomer roots and larger crop. Splendid variety for market or feeding purposes. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00

## CAULIFLOWER

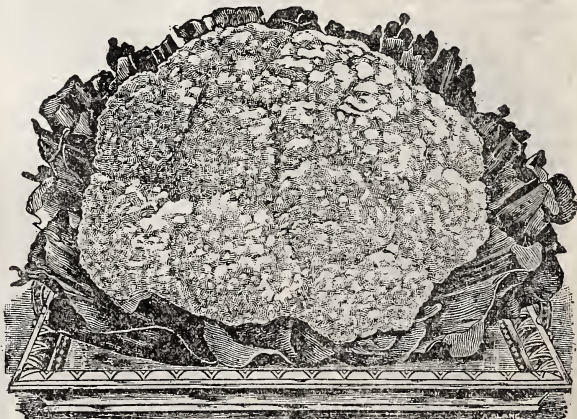
(One ounce will produce about 3,000 plants.)

One of the most delicious of vegetables. Requires similar treatment to cabbage. Does not head well during the hottest weather in summer. Sow the seed early for an early crop and again in June or July for late heads. Our Cauliflower seed is grown in Denmark and is the best produced.

**HENDERSON'S EARLY SNOWBALL.**—Considered the earliest and more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as 18 to 20 inches apart each way. Our stock is extra choice. We believe it to be the best in the world. Pkt., 20c; ¼ oz., 65c; oz., \$2.00.

**DRY WEATHER.**—A variety which stands summer heat better than other sorts. Pkt., 20c; ¼ oz., 65c; oz., \$2.00.

VEGETABLE PLANTS	POSTPAID PRICES
Cabbage	—25 for 25c; 100 for \$1.00.
Cauliflower	—Doz., 25c; 100 for \$1.50.
Celery	—Doz., 20c; 100 for \$1.00.
Egg Plant	—Doz., 25c; 100 for \$1.50.
Pepper	—Doz., 25c; 100 for \$1.50.
Sweet Potato	—100 for 75c; 300 for \$2.
Tomato	—Doz., 25c; 100 for \$1.50.



HENDERSON'S SNOWBALL CAULIFLOWER

EVERY DAIRYMAN SHOULD GROW A CROP OF CARROTS FOR HIS MILCH COWS



# CELERY

(One ounce will produce about 3,000 plants.)

For first crop sow early in hotbeds, or in boxes in the house, in rich, moist soil, covering seed very lightly. For main crop sow in open ground in April. If the weather is hot and dry protect with light covering of hay or straw. Stir soil when plants are well up; thin out and transplant so they stand about an inch apart in the row. If they grow too rapidly, shear tops off when about 4 or 5 inches high. For main crop set out between June 15th and July 15th, in rows three feet apart and six inches apart in the row. Firm the earth well when setting and they will root better. Keep clear of weeds.

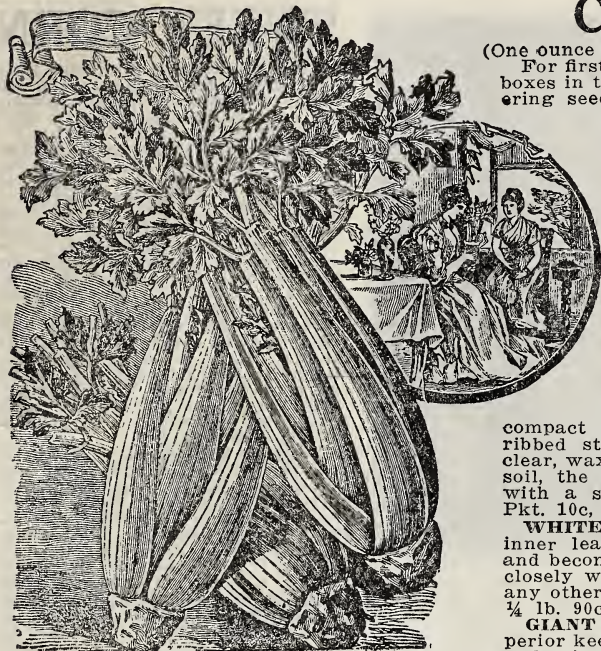
## GOLDEN SELF-BLANCHING.

—By far the most popular sort; of medium earliness and heavy ribbed stalks which blanch easily to a clear, waxen yellow. Grown in rich, moist soil, the stalks are numerous and large, with a solid heart of beautiful yellow. Pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.00.

**WHITE PLUME.**—Stalks, portions of the inner leaves and heart naturally white, and become fit for use by simply tying up closely with soft twine. More used than any other by gardeners. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.

**GIANT PASCAL.**—A late variety of superior keeping qualities. Very large, solid and crisp; a rich, nutty flavor. Blanches easily. The heart is golden yellow and very attractive. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.

**GIANT PRAGUE CELERIAC.**—Instead of producing long leaf stalks like ordinary celery it has a turnip-like root with true celery flavor. Used in soups, stews and for all culinary purposes in place of ordinary celery. This is the largest, smoothest and best of the turnip-rooted varieties. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.



GIANT PASCAL CELERY

## CHICORY

**LARGE ROOTED.**—Used as a substitute for coffee. Cultivated the same as carrots.

Take up roots in the fall, cut in small pieces and let dry. When wanted for use it is roasted and ground like coffee. Pkt. 10c, oz. 25c.

**WITLOOF.**—A type of chicory which is used like the common sort for coffee substitute, and the roots are also planted in winter indoors or outside in spring to produce the tops as shown in the illustration. These are used like asparagus and for making salads. Pkt. 10c, oz. 40c.



WITLOOF

## COLLARDS

(One ounce for about 3,000 plants.)

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

**GEORGIA.**—The most satisfactory variety for general use. Pkt. 10c, oz. 20c, lb. 50c.

## CRESS

**EARLY CURLED.**—A well known salad. Splendid for garnishing meats and flavoring soups. Grows quick. Sow at intervals all season. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c.

**TRUE WATER.**—Sow seeds along the running water. Preferred by many people to Parsley for garnishing on account of its more piquant flavor. Pkt. 10c, oz. 40c.

## Canning Club Collection

Eight choice garden fruits for pickling, canning and preserving. Fully described in this catalogue. Consist of one packet each of Ground Cherry, Garden Huckleberry, Citron Melon, Vine Peach, Mammoth Dill, Pimento Pepper, Golden Nugget Tomato and Chicago Pickle Cucumber. Price 50c postpaid.



CORN SALAD.

## CORN SALAD

Nice winter salad. Sow in September in drills. Before cold weather cover with straw or leaves. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**CELERY IS A GARDEN DELICACY THAT ANYONE CAN RAISE. TRY IT THIS YEAR.**



# SWEET CORN

(One pound will plant 500 hills of four grains. Packets contain about 1½ ounces. Seven pounds for an acre planted in hills. Fifteen pounds per acre in drills.)

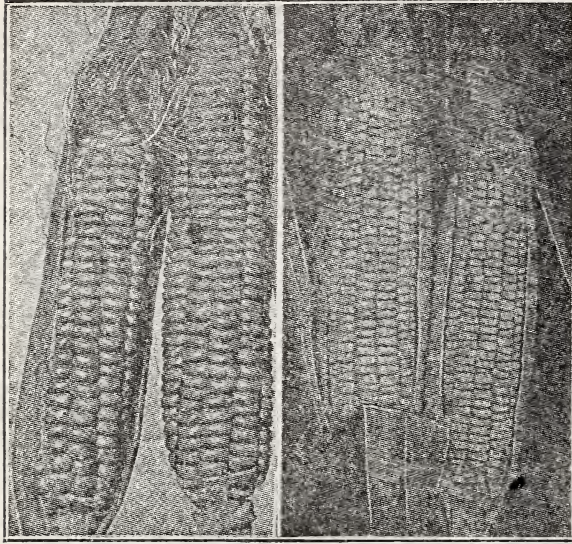
**IMPROVED GOLDEN BANTAM.**—Most delicious and richest in flavor. Is extremely early, of hardy, vigorous growth, so that it can be planted early. Stalks grow only about four feet high, but they bear two or three good ears six to eight inches long, of handsome yellow color. Pkt., 10c; ¼ lb., 15c; lb., 35c; postpaid. Not prepaid, any quantity at 25c per lb.

**EARLY SUNSHINE.**—This new variety is larger and earlier than Golden Bantam with the same golden color and exquisite flavor. A very promising new variety. Pkt., 10c; ¼ lb., 15c; lb., 35c; postpaid. Any quantity not prepaid at 25c per pound.

**EARLY SUNRISE.**—A splendid variety of extra early corn for private gardens or market. The ears are larger than Golden Bantam. It is also the sweetest of all clear white early sorts. Gardeners when selling it on the market call it the White Bantam. Pkt., 10c; ¼ lb., 15c; lb. 30c; postpaid. Not prepaid, any quantity, 25c per lb.

**COUNTRY GENTLEMAN.**—It produces 3 to 5 ears to a stalk of luscious quality. The cob is small, giving great depth to the kernels, which are pearly white, and we cannot say too often—surpassingly sweet and tender. Pkt., 10c; ¼ lb., 15c; lb., 35c; postpaid. Not prepaid, any quantity, 30c per pound.

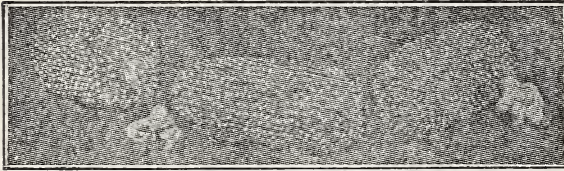
**IMPROVED STOWELL'S EVERGREEN.**—The most prominent main crop sort and more largely planted than any other. Ears are large size. Grains deep. Very sweet and tender. Owing to its large size it is largely grown for feeding. Pkt., 10c; ¼ lb., 15c; lb. 30c; postpaid. Not prepaid, any quantity, 25c per pound.



GOLDEN BANTAM

EARLY SUNRISE

**CHAMPION EARLY.**—Earliest large corn, maturing only a few days later than the small eared sorts and producing large 12-rowed ears 8 to 10 inches long. Pure white kernels with white cob, very sweet and tender, usually producing two ears to the stalk. Unsurpassed for market gardening or family garden. Pkt., 10c; ¼ lb., 15c; lb., 30c; postpaid. Not paid, 25c lb.



AUSTRALIAN HULLESS POP CORN

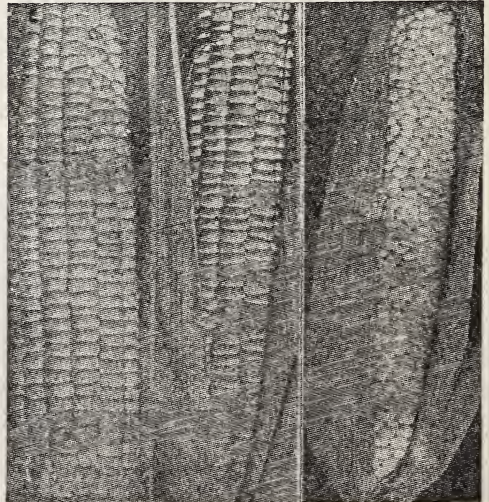
## POP CORN FOR SEED

Pop Corn is a profitable crop. Grow a small plot for your own use. The demand in the markets is growing all the time.

**AUSTRALIAN HULLESS.**—Dwarf-growing and heavy yielder of attractive ears, peculiar in form, being nearly as thick as long. Kernels are long and slim, pearly white in color. Its crowning merit is its popping quality, fine flavor and absence of hull when popped. Grown extensively and commands the highest price and most ready sales. Pkt., 10c; ¼ lb., 15c; lb., 35c, postpaid. Not prepaid, any quantity at 25c per pound.

**MONARCH WHITE RICE.**—A fine strain of large rice pop corn and has been bred up to wonderful productiveness. Bears three to six ears per stalk and yields 1,800 to 2,500 lbs. per acre. Grain is large and pops to great size. Pkt., 5c; ¼ lb., 15c; lb., 35c; 3 lbs., \$1.00. Not prepaid, any quantity at 25c per pound.

**QUEEN'S GOLDEN.**—Large ear and large, smooth grain of a peculiar lustrous golden yellow. Very prolific. It pops splendidly, the general appearance of the popped corn being a rich cream color, peculiarly attractive. Pkt., 5c; ¼ lb., 15c; lb., 40c; 3 lbs., \$1.00, postpaid.



STOWELL'S EVERGREEN COUNTRY GENTLEMAN

WE HAVE SEED SWEET CORN AND POP CORN OF EXTRA QUALITY THIS SEASON





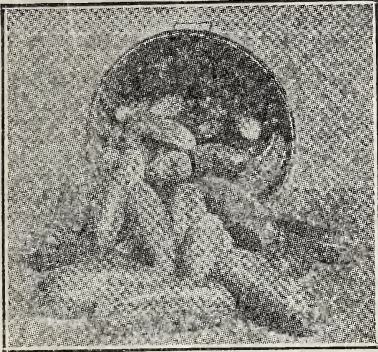




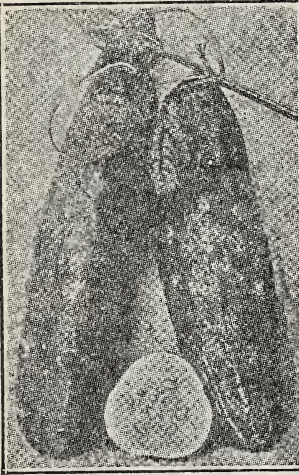


# CUCUMBER

(One ounce will plant 50 hills, two pounds per acre.)



PERFECT WHITE SPINE



IMPROVED LONG GREEN

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop plant in open ground in May, about twelve seeds in a hill, when danger of bugs is past thin to four strong plants in a hill. For pickling plant in June. Sprinkle vines with Pestro or Tobacco Dust, or use Slug Shot, to protect them from bugs.

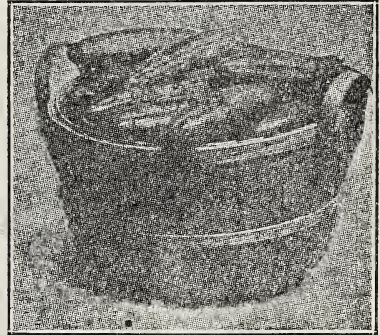
**DAVIS PERFECT.**—Dark, glossy, green, slim and symmetrical, with an average length of 10 to 12 in. They hold color till nearly ripe when they turn white without a yellow streak on them. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**PERFECT WHITE SPINE.**—This strain is pronounced by good judges superior to all others. Fruit even and good size, straight, well formed and symmetrical. It is of uniform shape, making it unexcelled for pickling. Immensely productive and keeps a long time. See illustration at left of this page. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**IMPROVED LONG GREEN.**—A standard sort. Vine vigorous and productive, forming fruit for the table nearly as early as shorter sort. Produces very fine, firm fruit about 12 inches long. See illustration. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**IMPROVED CHICAGO PICKLE.**—Medium in size, dark green in color when young. Very prolific; matures early, produces immense number of fine pickles. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**EARLY EXPRESS.**—this is by all odds the earliest variety in existence. Quality is the very best, being free from any rank, strong flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.



DAVIS PERFECT

## HERBS

In making up your assortment of seeds for the year don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, dried quickly and packed closely and entirely excluded from air. Those marked with an asterisk (\*) are perennial and give returns yearly when established.

**ANISE.**—Sweet and aromatic flavor. Pkt., 10c.

**BASIL, SWEET.**—For flavoring soups, stews, etc. Pkt., 5c; oz., 15c.

**BORAGE.**—Used for flavoring. Pkt., 5c; oz., 15c.

**CARAWAY.**—Seeds are used for flavoring bread, etc. Pkt., 5c; oz., 10c.

**CATNIP, or Catmint.**—For seasoning and medicine. Pkt., 10c; oz., 50c.

**CORIANDER.**—Seeds used in confectionery. Pkt., 5c; oz., 10c; ¼ lb., 25c.

**DILL.**—Used in making dill pickles. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**HOREHOUND.**—For seasoning and cough remedy. Pkt., 5c; oz., 40c.

**LAVENDER.**—The dried leaves are used as a perfume. Pkt., 10c; oz., 40c.

**MARJORAM, SWEET.**—For seasoning. Pkt., 10c; oz., 40c.

**ROSEMARY.**—Aromatic leaves used for seasoning. Pkt., 10c; oz., 40c.

**SAGE.**—Much used for dressing. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.00.

**SUMMER SAVORY.**—Pkt., 5c; oz., 30c.

**THYME.**—Leaves and young shoots used for seasoning. Pkt., 10c; oz., 40c.

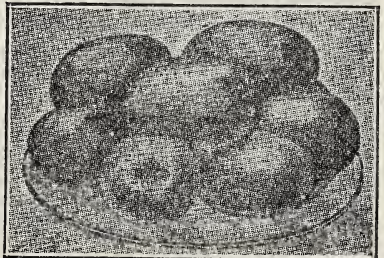
**WORMWOOD.**—Leaves are used for medicinal purposes. Pkt., 10c.

**MIXED VARIETIES.**—A mixture of all the above. A nice garden assortment. Pkt., 5c; oz., 25c; ¼ lb., 65c.

## VINE PEACH

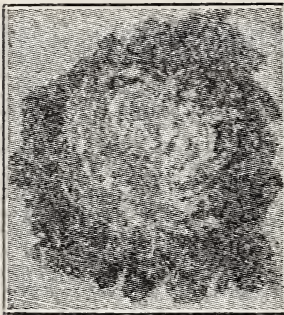
The vine is somewhat similar to the muskmelon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and is of a bright orange yellow color, somewhat russety. For sweet pickles, pies or preserving they are superb. A jar of these cut in halves and cooked in syrup presents a beautiful and tempting appearance. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Note our Canning Club Collection, eight choice garden fruits, page 11.



VINE PEACH





GIANT FRINGED ENDIVE

Should be more largely used. Some salads for fall and winter. In June or July for winter. When 8 inches long tie together with a string near top to blanch.

**BATAVIAN**—Has smooth leaves and makes a handsome plant. Pkt. 5c, oz. 20c, ¼ lb. 50c.  
**GIANT FRINGED**—Also called winter lettuce. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1b. \$1.50.

**EGG PLANT**

Start quite early in a hotbed or box in the house, which must be kept warm. Transplant late to open ground, two feet apart.

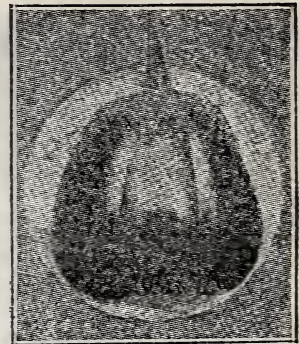
**IMPROVED NEW YORK**—Our strain of this leading market variety we believe to be unsurpassed. Very large size, skin deep purple, flesh, white, of excellent quality. Very productive. Pkt. 10c, oz. 50c, ¼ lb. \$1.50.

**BLACK BEAUTY**—The earliest variety in existence, being much earlier than the above. Pkt. 10c, oz. 50c, ¼ lb. \$1.50.

**ENDIVE**

(One ounce will sow about 60 square feet.)

Preferred to lettuce by many.



NEW YORK EGG PLANT

**GROUND CHERRY**

**IMPROVED YELLOW**—Each year adds to the popularity of this little fruit. They grow well on almost any dry soil, are easier raised than the tomato, are prolific bearers and luscious fruit. For sauce or pies they are excellent. They make delicious preserves and when dried in sugar are better than raisins for cakes and puddings. Will keep in the husk in a cool place nearly all winter. Pkt. 10c; ½ oz. 25c; oz. 40c.

**GARDEN HUCKLEBERRY**

Grows about three feet high and just loaded with clusters of berries, which are jet black when ripe. Make delicious pies, preserves and jams. Not edible raw. Pkt. 10c.



GARDEN HUCKLEBERRY  
**KOHL RABI**

Most excellent vegetable, intermediate between the cabbage and turnip. Cultivate like cabbage.

**GOLIATH PURPLE**—A new sort of immense size. solid and sweet. Pkt. 5c, oz. 25c, ¼ lb. 65c, 1b. \$2.25.

**EARLY WHITE VIENNA**—The flesh is white and tender, and it is a good market sort. Pkt. 5c, oz. 25c, ¼ lb. 65c, 1b. \$2.25.



GROUND CHERRY

**GOURDS**

Cultivate like cucumbers; they may be trained over lattice, fences, etc.

**JAPANESE NEST EGG**—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and make the very best nest eggs. Pkt. 5c, oz. 20c.

**DIPPER**—Makes a light, convenient dipper. Dippers of various sizes of a capacity from a pint to a quart and a half, can be had from a few vines. Pkt. 5c, oz. 25c.

**LUFFA, or Dishcloth**—Has a peculiar lining, which is sponge-like, porous, tough, elastic and durable, making a natural dishcloth or sponge. Pkt. 5c, oz. 25c.

**MIXED UTILITY**—Seeds of the above mixed. Very popular item with our customers. Really useful in many ways. Easily grown. Pkt. 5c, oz. 20c.

**KALE**

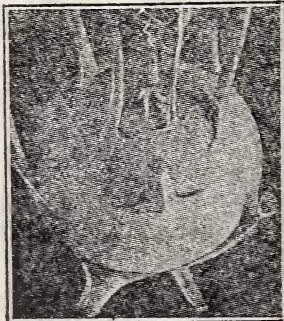
**EXTRA CURLED MOSSBACK**—A most attractive variety; fine crimped leaves, light green, fine for garnishing. Best cooking. Pkt. 10c, oz. 20c, ¼ lb. 45c, 1b. \$1.50.

**DWARF GERMAN GREEN, or Siberian**—A very popular variety. Pkt. 5c, oz. 15c, ¼ lb. 40c, 1b. \$1.25.

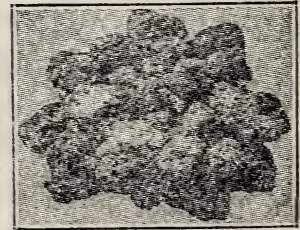
**LEEK**

Sow seed thinly in drills early in spring; thin out to stand six inches apart in the row. Belongs to the onion family and is grown in the same manner.

**LARGE ROUEN**—Largest and most uniform sort. Pkt. 10c, oz. 25c, ¼ lb. 65c, 1b. \$2.00.



WHITE VIENNA KOHL RABI



EXTRA CURLED MOSSBACK KALE



# LETTUCE

(One ounce will sow 100 feet of drill.)

Lettuce should be sown thinly any time from early spring until the middle of August. The soil should be very rich. Lettuce may be transplanted like cabbage. Set the plants a foot apart in rows two feet wide. Cultivate often.

**EARLY CURLED SIMPSON.**—A great variety for the backyard garden where only a small plot is available. Not called a heading sort, but produces pale green, somewhat crumpled leaves and is usable in all stages. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**BLACK SEEDED SIMPSON.**—This is the standard variety with market growers who grow lettuce under glass or in frames. Makes large, loose heads of light colored, brittle leaves. Can be sown outside for first early use but will not stand hot summer weather. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**ICEBERG.**—Has large, curly, light green leaves, sometimes slightly tinged with red. Has a rich, well-bleached center; stands the summer sun without blighting. Belongs to head-lettuce type, but is fit for cutting any time and by thinning a succession is available. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**PRIZE HEAD.**—Leading brown-leaved lettuce. Tender leaves, light reddish brown. Heads large and rather loose, with very good flavor. We sell more of this than any other brown-leaved variety. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**IMPROVED HANSON.**—As a head lettuce has no superior, either for home use or for market. Does well in hotbed or greenhouse. Can be used as a leaf lettuce but is a splendid header. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**GRAND RAPIDS.**—A splendid loose leaf lettuce. Appearance is attractive and striking. Does not form a head but has leaves of pale green color. Finely curled and crumpled. Grows upright. A favorite for forcing. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**NEW YORK.**—Heads often 15 and 16 inches across. The interior is beautifully blanching, creamy-white, crisp, tender and delicious. Very slow to run to seed and a sure header. As a main summer crop, hot weather lettuce, it is in every way desirable and has no equal. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**ROMAINE.**—Leaves rather light green in color, shading to white when blanched. More self-folding than other cos lettuce, so it is not necessary to tie the leaves in order that it may blanch. It is more brittle if tied loosely. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c.

## MUSHROOMS

The ease and certainty with which a crop of mushrooms can be grown and the astonishing success of so many who have taken up this new industry induces us to call especial attention to the subject. We recommend mushroom spawn both for market garden and the private planter. Directions for culture sent on application. Per brick, by mail, 40c. Not prepaid, 5 bricks, \$1.25; 10 bricks, \$2.25; 100 bricks, \$20.00. Shipping weight, per brick about  $1\frac{1}{4}$  lbs.



MUSHROOMS

## MUSTARD

A pungent salad used for greens. Sow thickly in rows. One ounce sows about 75 feet of drill.

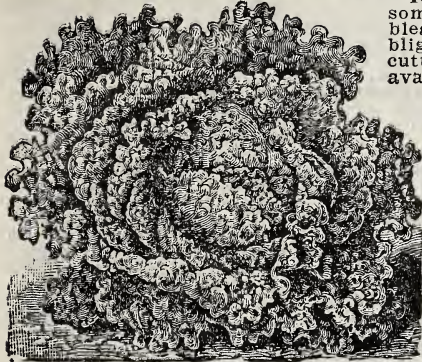
**OSTRICH PLUME.**—Leaves are long, ruffled, frilled and curved gracefully as an ostrich plume; desirable for garnishing. Can be cut early. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**SOUTHERN GIANT CURLED.**—This is the true curled leaf variety so popular in the South for fall planting for early spring salad. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 75c.

**WHITE ENGLISH.**—Seeds are white and is preferred by housewives for pickling on that account. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c.



ICEBERG LETTUCE



BLACK SEEDED SIMPSON



Improved Hanson Lettuce



NEW YORK LETTUCE

GROW LETTUCE FOR GREEN FEED FOR POULTRY. THEY WILL THRIVE UPON IT.



# MUSKMELON

(One ounce will plant about 80 hills, 2 lbs. to acre.)

Muskmelons require a rich, well-drained soil. They will not grow where it is wet. Plant as early as safe from frost; cultivate until vines cover the ground. Usually planted in hills 4 to 6 feet apart.

**HALE'S BEST.**—The latest improvement in Muskmelons. Grows some larger than Rocky Ford and has extra thick flesh. They are firm, heavy and carry to market long distances. Flesh bright salmon, extremely well flavored, with heavy sugar and spicy content. Has ripened fruits in 68 days from planting. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

**EARLY BIRD.**—An extra early choice sort extremely popular in Des Moines. Shape is shown in illustration. Size is larger than Rocky Ford, while quality is superior to any strain of basket melons with which we are acquainted. It is the first to ripen. Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

**BURRELL GEM.**—About the same size and shape as Rocky Ford, but has rich, golden yellow flesh of most delicious flavor; solid and a desirable shipping sort. Seed cavity is very small. Average about 6 inches long, 4½ inches in diameter, and weight 2½ lbs. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**THOROUGHbred ROCKY FORD.**—Slightly oval in shape, flesh thick, of light green color, and fine, juicy, luscious flavor. Very early and wonderfully productive. Our seed is from pedigreed stock of this sort. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

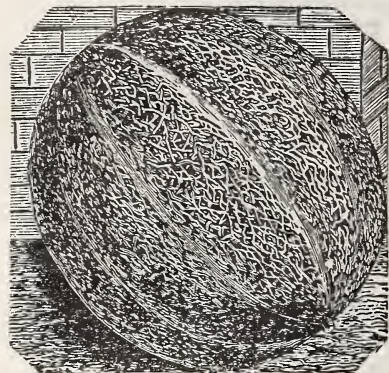
**BENDER'S SURPRISE.**—See illustration. It has orange flesh of rich, spicy flavor. A fine variety for home gardening. It is classed among the large melons and size makes it desirable for local marketing. Pkt., 5c; oz., 15c; ¼ lb., \$1.50.

**IMPROVED GREEN NUTMEG.**—Fruit of medium size, light green, very rich and melting, of exquisite flavor. Very productive. A standard sort for many years, and it is one of the best main crop sorts. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**IMPROVED EARLY HACKENSACK.**—Largest early muskmelon. Good quality, firm and heavy; deeply netted; flesh is light green. Shape fine and is splendid market melon, as it ships well. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**GOLDEN HEART.**—Size and shape is just right, so it may be served cut in halves. Flesh and color is deep orange, extremely thick. As a shipper, uniform, like "peas in a pod." Netting is ideal, heavy and close, without a superior. Extra quality. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

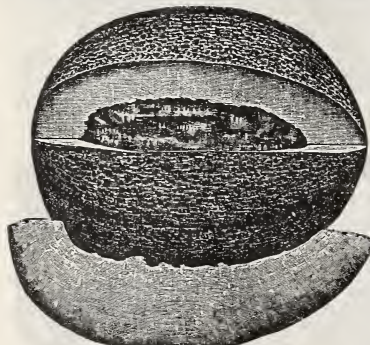
**TIP TOP.**—(Orange Flesh.)



HALE'S BEST



EARLY BIRD



BENDER'S SURPRISE

A fine, nearly round melon of attractive appearance. It is sweet, juicy and delicious. Flesh firm but not hard. Of medium to large size; evenly ribbed and moderately netted; strong grower, heavy yielder, and handsome. One of the best. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

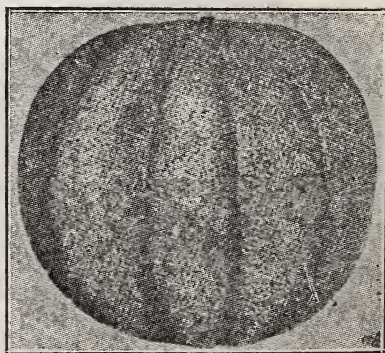
**OSAGE.**—Flesh salmon color, sweet, spicy, very thick, delicious to the rind. Seed cavity very small; seldom one of poor quality is found. Medium size, oval, slightly ribbed. Skin thin, dark green color and covered more or less with shallow netting. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**BANANA.**—Attains a length of from 1½ to 3 ft.; 3 to 4 inches thick. Flesh is very thick, of salmon color. It looks almost like one, hence its name. Has a peculiar flavor, differing from ordinary muskmelons, and by some considered superior. Pkt., 5c; oz., 15c; ¼ lb., 40c.

**HONEY DEW.**—Every melon a good one. Flesh light green and sweet as honey. Will keep good for months. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.



IMPROVED GREEN NUTMEG



TIP TOP

A HOME GROWN MELON IS FAR SUPERIOR TO ONE PURCHASED IN MARKET



# WATERMELON

A light, sandy soil, with good exposure to the sun, is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. Plant in hills 8 to 10 feet apart each way. Plant 8 to 10 seeds in a hill; when danger of insects is past leave but three plants.

**COLE'S EARLY**—Decidedly the finest variety for the private garden, but is too brittle for long shipment. It is very early and will mature farther north than most other sorts. Of medium size; very productive. Flesh bright red, of granulated, sparkling appearance. Is lusciously sweet and refreshing. Specially valuable for home market. Pkt. 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**PHINNEY'S EARLY**—Similar to Cole's Early but shape is longer. Extra early and extra quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**HALBERT'S HONEY**—The aristocrat among watermelons. A very early variety; medium size; fine, oblong shape; very prolific and even size; skin handsome dark green; flesh of a rich crimson, fine grained, melting and exquisite flavor. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

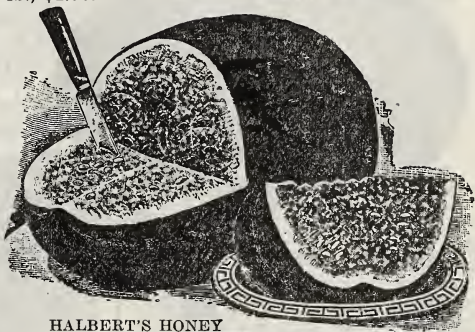
**GOLDEN SWEET**—The best yellow-fleshed watermelon. It is extremely well flavored and very attractive. In size and shape resembles Monte Cristo, and the bright golden flesh makes it popular. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

**McIVER'S WONDERFUL SUGAR**—Famous for sweetness and high quality. Fruits are large. Very handsome, rather light colored, irregularly striped and mottled with dark green. Rind is rather thin but tough; a good shipper. Flesh is delicate red, entirely stringless and tender. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

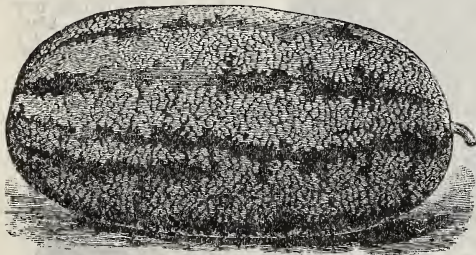
**IRISH GREY**—A light-colored Tom Watson. Very popular for shipping and of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



COLE'S EARLY



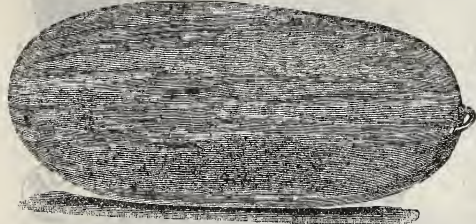
HALBERT'S HONEY



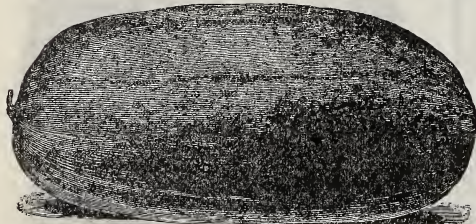
McIVER'S WONDERFUL SUGAR



MONTE CRISTO



IRISH GREY



TOM WATSON

**MONTE CRISTO, or Kleckley's Sweets**—A wonderfully popular variety everywhere. We pronounce this one of the sweetest, juiciest, most delicious melons, faintly striped, flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of good size, is a good shipper and a long keeper. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**TOM WATSON**—A leader among melons, because of quality and shipping excellence. It is large, oblong, skin dark green, with thick netting on entire surface, quite distinct from other varieties. Averages 18 to 24 inches long and 10 to 12 inches in diameter and will weigh 50 to 60 pounds. Rind is thin but tough and flesh is bright, attractive red, crisp, sweet and delicious. Seeds white, tipped brown. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

## CITRON MELONS

**COLORADO PRESERVING**—This is a large-fruited strain of Citron for preserving. Flesh clear white and very solid. Green seed. Pkt., 5c; oz., 10c; ¼ lb., 30c.

**RED SEEDED CITRON**—Round, dark green, striped and mottled with light green. Pkt., 5c; oz., 10c; ¼ lb., 30c.



# ONIONS



## ONION SETS

Raised from seed. One pound equals one quart.

**YELLOW.**—The most popular. Per lb., 30c, postpaid; 10 lbs., \$2.75.

**RED.**—Per lb., 30c, postpaid; 10 lbs., \$2.75.

**WHITE.**—Per lb., 35c, postpaid; 10 lbs., \$3.00.

**MAMMOTH PRIZE-TAKER.**—Grows to mammoth size and matures perfectly solid, fine grained and keeps well. Straw color, globe shaped and produces immense crops. Pkt., 10c; oz., 25c; ¼ lb., 90c; lb., \$2.50.

**WHITE PORTUGAL OR SILVER SKIN.**—Standard white variety. Bulbs grow flat to good size, ripen early and evenly. Flesh mild and sweet; skin clear silvery white, very handsome. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

**LARGE WHITE GLOBE.**—The handsomest market variety, beautiful, clean, pure silvery white bulbs of large, even size, globe shape, mild and pleasant flavor. The best white sort. Pkt., 10c; oz., 35c; ¼ lb., \$1.25; lb., \$4.00.

**MAMMOTH SILVER KING.**—The largest white onion. Flattened but thick. Often weigh from 2½ to 4 lbs. each. Beautiful silvery white; flesh snowy white, sweet and tender. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

## Bermuda Onion Plants

Postpaid, per 100, 25c; 500 for \$1.00.

## OKRA

(One ounce will sow about 80 feet of drill.)

Sow in May, in drills 2 inches deep, leaving plants 2 to 3 feet apart. Pick pods while very young; slice crosswise before cooking.

**WYRICK'S NEW GIANT.**—Pods are vivid green, 8 to 9 inches long. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**WHITE VELVET.**—Plants dwarf. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**CULTURE.**—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. The soil for onions should be a rich loam thoroughly enriched with well-rotted manure and pulverized before sowing the seed. It should be as free from weeds and grass as possible. As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering one-half inch. Commence hoeing as soon as the rows can be seen; skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing weed carefully and thoroughly by hand. For pickles or sets the seed should be sown very thickly and in broad drills, about 50 pounds to the acre for sets, and 15 to 20 pounds for pickling. Will pay to purchase a good drill and hand cultivator.

**SOUTHPORT RED GLOBE.**—A very handsome variety. It is medium early; grows to a large size, skin deep red, flesh fine grained, mild and tender. Market demands globe-shaped onions more than formerly. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$2.75. By express, 5 lbs. for \$12.50.

**LARGE RED WETHERSFIELD.**—The standard sort throughout the country; easiest to grow and the surest to make a good crop, being hardy; not subject to decay in very hot or wet weather. Of finest form, skin deep purplish red. The flesh is purplish white, and fine grained. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50. By express, 5 lbs. for \$11.00.

**YELLOW GLOBE DANVERS.**—Handsome, globe-shaped sort of large size, with yellow skin. Very firm and the best of keepers. Has yielded 1,000 bushels per acre. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50. By express, 5 lbs. for \$11.00.



PRIZETAKER





MARKET GARDENER'S PARSLEY.

## PARSLEY

(One ounce will sow 150 feet of drill)  
Sow early, thinly, in drills, 1 ft. apart, ½ inch deep. For winter use, protect in glass frame or light cellar.

**MARKET GARDENER'S**—An extra choice stock with dark, green curled, mossy leaves, very productive. Valuable for either garnishing or flavoring. Early variety. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.25.

**CHAMPION MOSS CURLED**—Very select stock, finely crimped and curled. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.



## PARSNIP

(One ounce will sow 200 feet of drills. Five pounds will sow an acre in drills.)

Sow early in spring in good, rich soil, which has been plowed deep, in drills 15 inches apart, covering half an inch. Thin to 5 or 6 inches apart in rows. They are improved by freezing. May be left in the ground all winter and marketed in spring.

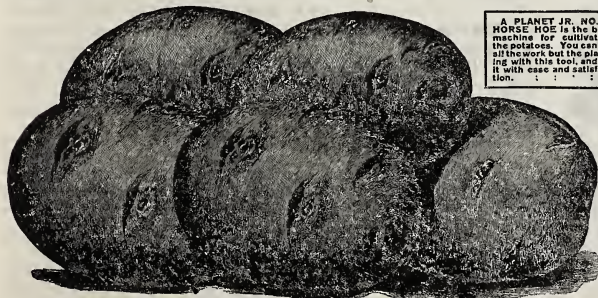
**IMPROVED TABLE GUERNSEY**—Roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. Very heavy cropper. Flesh fine grained, sweet and excellent quality; cooks evenly, center being as fine, soft, even quality as improved portions. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

**IMPROVED HOLLOW CROWN**—Our strain is smoother and of more even quality than the original; fine grained and excellent. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

## SEED POTATOES.

Prices on Potatoes frequently change as the market advances or declines. See Price List, first page this Catalogue.

It is of greatest advantage to potato growers to purchase their seed of us. By using our northern stock you are assured of **early maturity, increased yield and vigorous growth.** There is no longer any doubt that seed potatoes from the Red River Valley surpass those from any other section of the country with the possible exception of the state of Maine. We have for a number of years had our supplies grown in the northern part of Minnesota and Dakota and the comparative tests have each season shown an advantage for the northern seed. This is especially true of the early varieties. They mature earlier, are free from disease and produce more abundantly than home grown stocks. Prices on potatoes fluctuate greatly, but good seed potatoes are always worth more than ordinary table stock.



FANCY NORTHERN GROWN EXTRA EARLY OHIO

A PLANET JR. NO. 8 HORSE HOE is the best machine for cultivating the potatoes. You can do all the work but the planting with this tool, and do it with ease and satisfaction.



RED PEANUTS

## PEANUTS

Peanuts can be grown in Iowa, and everyone should plant at least a few. Make an interesting crop for children.

**RED CROSS**—The most desirable variety is early as the earliest, most hardy, very prolific and of best quality. Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. Shell nuts carefully so as not to break inside skin, plant as soon as ground becomes warm, from 2 to 3 ft. apart each way, 4 or 5 to the hill, covering 2 inches. Soil should be deep and mellow. Produce from 25 to 70 bushels to the acre; easily cultivated as corn. Pkt., 10c; lb., 40c; postpaid. By express, 5 lbs. or more at 25c per lb.

WRITE FOR SPECIAL QUOTATION ON SEED POTATOES IN LARGE QUANTITIES



# PEAS

## WRITE FOR SPECIAL OFFER ON BUSHEL ORDERS

(One lb. will plant about fifty feet of drill; 2 to 3 bu. per acre.)

Peas mature quickest in light, dry soil, not too rich. May be sown as early as the ground can be worked, and for a succession every two weeks up to July; or, what is better, select several kinds which will form a succession in maturing. Sow in drills 2 to 4 feet apart, according to varieties, and 2 to 3 inches deep for general crop. The wrinkled sorts are marked\*. They are more liable to rot if the ground is wet. We are this year offering peas by the pound and the pound prices include postage. Larger lots go by express or freight at customer's cost for transportation.

**ALASKA.**—Height 2 feet; pods rather small, dark green color, well filled; the earliest pea known, and 90 per cent of pods can be gathered at first picking. This is "June Peas" of the canners. Pkt., 5c;  $\frac{1}{4}$  lb., 10c; lb., 30c; postpaid. Not prepaid, any quantity at 20c per pound.

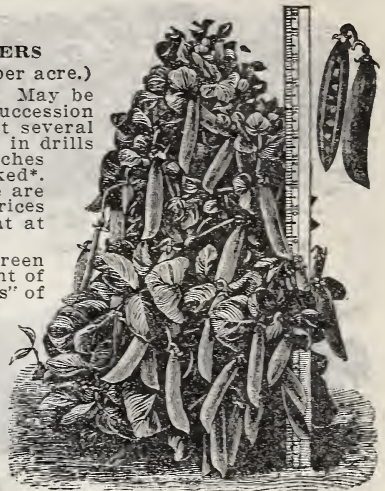
**IOWA CHALLENGE.**—A well-known standard early pea. Ready to use several days before the early wrinkled varieties. Pkt., 5c;  $\frac{1}{4}$  lb., 10c; lb., 30c; postpaid. Not prepaid, any quantity at 25c per pound.

**\*LITTLE MARVEL.**—A strong vine about 15 inches high, bearing tremendous crops of fair size pods, frequently borne in pairs. Pods  $2\frac{1}{2}$  to 3 inches long, containing six to seven large, deep green peas. Has superseded American Wonder. Pkt., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 30c per pound.

**\*LAXTONIAN, or Pioneer.**—Finest of the very large podded, early wrinkled peas. Vine is not quite so long as Gradus but the pods are fully as large and there are twice as many of them. Both pods and peas are a rich, dark green and retain this color when cooked. Pkt., 5c;  $\frac{1}{4}$  lb., 15c; 1 lb., 45c; postpaid. Not prepaid, any quantity at 35c per pound.

**\*GRADUS, or Prosperity.**—Extra large and of best quality, nearly as early as the small extra early sorts. Vines grow about 20 inches high. Pods bright green, 4 inches or more in length, well filled. Pkt., 5c;  $\frac{1}{4}$  lb., 15c; lb., 45c; postpaid. Not prepaid, any quantity 35c per pound.

**\*NOTTS EXCELSIOR.**—The peas are sweet and delicious. Vine grows 18 inches high. Pods are larger and it is far more productive than the Premium Gem. Pkt., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity 30c per lb.



PREMIUM GEM.

**\*PREMIUM GEM.**—For many years the standard dwarf wrinkled pea for the family garden. It only grows 12 to 15 inches high and requires no support. Pods large, dark green, and quality is excellent. Pkt., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 30c per pound.

**\*IMPROVED STRATAGEM.**—Preferred because of the immense size of pods and peas and exceptional sweetness and tenderness. Half dwarf sort, 2 to 3 ft. high. It is a vigorous grower and an enormous cropper. Pkt., 5c;  $\frac{1}{4}$  lb., 15c; lb., 45c; postpaid. Not prepaid, any quantity at 35c per pound.

**\*EVERBEARING.**—Splendid main crop variety; bears a profusion of good-sized, well-filled pods; vines seem less affected by mildew than most late peas; make a sturdy growth,  $2\frac{1}{2}$  feet tall. Very prolific; quality excellent. Pkt., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40; postpaid. Not prepaid, any quantity at 30c per pound.

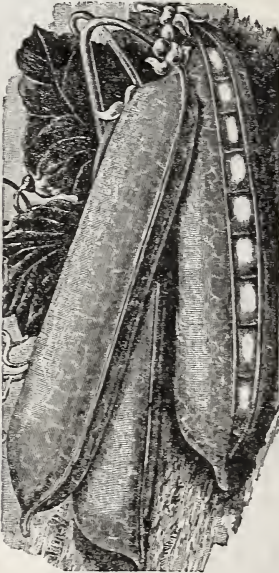
**\*TELEPHONE.**—A standard improved now to its limit. Vines very strong in growth, pods of large size, containing 6 to 8 peas each, of medium green color, closer packed in pod, of delicious flavor; height,  $3\frac{1}{2}$  feet, Pkt., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c; postpaid. Not prepaid, any quantity at 30c per pound.

LAXTONIAN

**\*THOMAS LAXTON.**—Large podded, and a strong grower, producing pods in abundance. Resembles Gradus although the color is darker and pods more blunt in shape. The pods are well filled with large peas; height, 3 feet. Pkt., 5c;  $\frac{1}{4}$  lb., 15c; lb., 45c; postpaid. Not prepaid, any quantity at 35 cents per pound.

**DWARF GRAY SUGAR.**—The best variety of sugar peas which are cooked pods and all. Pods are large, broad and tender. Do not require sticks or support. Ready in 55 days. Cook and serve like green beans. Pkt., 10c;  $\frac{1}{4}$  lb., 15c; lb., 45c; postpaid. Not prepaid, any quantity at 35c per pound.

**WHITE CANADA FIELD PEAS.**—Sown with oats at the rate of  $1\frac{1}{2}$  bus. of oats and  $\frac{1}{2}$  bu. of peas to make early hay. Use a large variety of oats like Green Russian. You can cut 5 tons of choice hay per acre by the Fourth of July. See first page price list for quantity price.



NOTT'S EXCELSIOR



## PEPPER

(One ounce will produce about 1,800 plants.)  
Sow seed in hotbed early in spring; transplant to open ground when the weather is favorable, in warm, mellow soil, in rows 18 inches apart. Seeds germinate slowly, require considerable heat.

**RED CHILI.**—Small hot peppers used for making chili sauce. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

**RED CAYENNE.**—A long slim pod, quite pungent. Valuable for winter when dried. Best for seasoning, useful for medicine. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

**SUNNYBROOK.**—A new type extra early variety. Fruits are 3 inches in diameter and 2 inches from stem to blossom end, shaped like a tomato. Bright red, thick flesh, mild flavor. Pkt., 10c; oz., 60c; ¼ lb., \$2.00.

**PIMENTO.**—A new and distinct pepper. Perfectly sweet, having no trace of pungency. Plants are loaded with fine, perfectly smooth fruits, medium size and thick meated. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

**RUBY KING.**—Very large in size, 4½ to 6 inches long by 3½ to 4 inches thick. When ripe are beautiful, bright ruby red and always remarkably mild and pleasant to the taste. Splendid for stuffed peppers or mangoes. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

**CHINESE GIANT.**—Most gigantic of all Peppers. A fine, mild pepper of enormous size, and brilliant, glossy scarlet color. The flesh is mild and unusually thick. Excellent for salad. Pkt., 10c; oz., 60c; ¼ lb., \$2.00.

**LARGE BELL, or Bull Nose.**—The standard variety for mangoes or sweet pickles. Fruits large, uniform, thick meated and smooth, very pleasant mild flavor; prolific yield; early. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

**GOLDEN QUEEN.**—Similar to red mango peppers. When ripe it is a bright, waxy, golden yellow and mild. A favorite for mangoes. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

## PUMPKIN

(One ounce will plant 25 hills; 4 lbs. will plant one acre.)

They can be grown separately or with a corn or potato crop, and do not seem to interfere in the least. They are valuable for feeding to stock, and what is a fair without pumpkins, or a Thanksgiving dinner without a pumpkin pie? Planted with corn, two pounds will plant one acre.

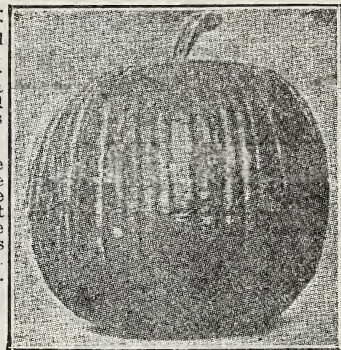
**YANKEE PIE.**—The noted New England Pie or Small Sugar Pumpkin. Same shape and color as the Connecticut Field but is smaller; very sweet, fine grained and one of the best varieties for table use and for making pies. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**LARGE CHEESE.**—Very popular for pies. Quite commonly known as "Sweet Pumpkin." Average about as large as the Connecticut Field but are flat shaped with creamy buff skin and thick golden flesh. Can be grown in the corn like the common cow pumpkin. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c. Any quantity by express or freight, not prepaid, at 50c per lb.

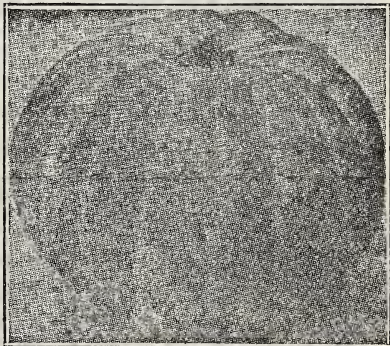
**GOLDEN CUSHAW, or Jonathan.**—Like the old Cushaw in shape but of a clean old gold color instead of green and white stripes. Flesh is solid, of deep orange color and very rich. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**CONNECTICUT FIELD.**—Is the common field or cow pumpkin. More grown than any other variety. Of good quality for culinary purposes. Planted among the corn you get a crop with practically no expense. Our seed is hand selected from large fruits and will give best results. Oz., 5c; ¼ lb., 20c; lb., by mail, 60c. By express or freight, not prepaid, any quantity, 50c per lb.

**KING OF MAMMOTHS.**—The largest variety of true pumpkins. The flesh and skin are golden yellow, fine grained and of good quality. We know of one specimen that reached the enormous weight of 245 pounds. One customer writes us that he grew one that weighed 158 pounds, and on the same vine he had five other pumpkins from 80 to 104 pounds each in weight—over 640 pounds grown from one seed. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.



YANKEE PIE



LARGE CHEESE

**GROW PUMPKINS IN THE CORN—THEY MAKE EXCELLENT FEED FOR LIVE STOCK**



# RADISH

(One ounce will sow 100 feet of drill. Eight to ten lbs. will sow an acre in drill.)

Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks, until midsummer. Radishes must be grown quickly and have plenty of room or they will invariably be tough and pithy. Sow in drills one foot apart and thin to two or three inches apart as soon as the rough leaves appear.

**EARLY BIRD.**—The earliest radish. With loose soil and proper culture the Early Bird is ready in 20 days from the time of sowing the seed. It is of round or turnip shape, of bright scarlet color and pure white flesh, which is tender, crisp and of best flavor. It has few and short leaves. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**SPARKLER.**—Extra early, white tipped, round radish. The contrasting colors being so nearly equal gives a most attractive appearance. Quality unsurpassed; remaining solid and crisp. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**EARLY SCARLET GLOBE.**—The standard early round red radish. Of handsome color, crisp, juicy and tender. Forms a small top and



COOPER'S SPARKLER RADISH

will stand a great deal of heat without becoming pithy. Is the gardener's standby for first early radish. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**FRENCH BREAKFAST.**—Of medium size and olive shape, with small top; quick growth; beautiful scarlet color, shading to white. This is an old sort, but it still retains a place in the list because of its beauty and fine quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

**CRIMSON GIANT.**—The most profitable variety for market gardeners. Rapid growing; roots of beautiful deep crimson, perfect in shape and more than double the size of any other forcing variety. It often measures 9 inches in circumference without getting pithy or hollow, and retains its firmness and tenderness of flesh. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**ICICLE.**—A splendid long variety of almost transparent whiteness. Produces nice roots in 22 days from the date of sowing, and it continues in prime condition for a long period, so that in one sowing of seed, nice, crisp radishes may be had from spring until mid-summer. It is the most popular sort. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**WHITE STRASBURG.**—Of handsome, oblong, tapering shape, both skin and flesh being pure white. The flesh is firm, brittle and tender and retains its crispness even if old and large. Excellent for summer use. It remains fit for use a long time and does not get pithy. Sometimes called the Sandwich Radish. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

**EARLY LONG SCARLET, or Short Top.**—An old standard variety of quick growth; long, slender root. The red companion of the Icicle and affords a fine contrast of red and white at the table. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**MIXED RADISH.**—Our mixture of about two dozen kinds contains all shades and shapes; red, white, pink, variegated; round, half-long and long; in great variety. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

## WINTER RADISH

**CALIFORNIA MAMMOTH WHITE.**—Large size, 8 to 12 inches long, 2 to 3 inches thick, white solid, of good quality. A very popular sort with market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**CHINA ROSE WINTER.**—A bright rose colored variety. The most popular of the winter radishes because of its bright color, firm flesh and long keeping qualities. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**LONG BLACK SPANISH.**—A large, black-skinned radish, with firm white flesh of pungent flavor. A good keeper, lasting until spring. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



EARLY BIRD RADISH

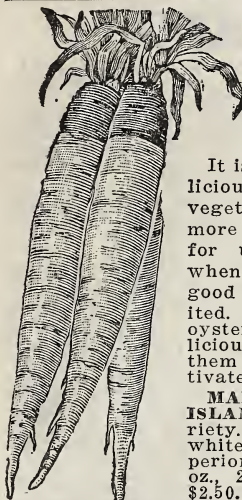


ICICLE RADISH.



EARLY SCARLET GLOBE RADISH.





## SALSIFY

VEGETABLE  
OYSTER

(One ounce will sow  
50 ft. of drill, 8 lbs.  
per acre.)

It is one of the most delicious and nutritious of vegetables and should be more generally cultivated for use in the winter, when the supply of really good vegetables is limited. It has the true oyster flavor and is a delicious substitute for them in soup, etc. Cultivate like parsnips.

**MAMMOTH SANDWICH ISLAND.**—The best variety. The roots are white, smooth, and of superior quality. Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

## SQUASH

(One ounce of early varieties will plant about 40 hills, two pounds will plant one acre. One ounce late varieties will plant about 20 hills, four pounds will plant an acre.)

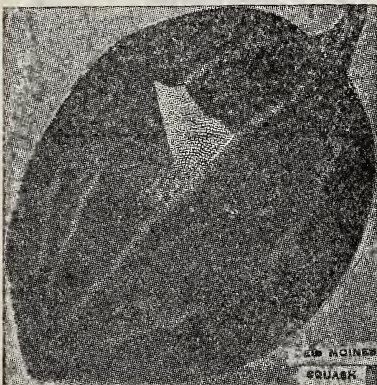
Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in the hill. The soil cannot be too rich. Use Slug Shot and tobacco dust, listed on page 45, to kill the bugs.

**DES MOINES SQUASH.**—Vines vigorous and very productive. Just the right size, averaging 6 to 8 inches long and 4 to 6 inches in diameter. Color dark green, with sometimes a blotch of red at pointed end. Shell is hard and smooth, and is ridged. Wash it clean, cut in half, take out the seeds, bake 20 minutes and you will have the most delicious squash you ever tasted. Splendid for pies. Ripens in the fall and keeps well. Called "Table Queen" and "Acorn" by some dealers. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**WHITE BUSH.**—Round, white scalloped summer squash. Very attractive in appearance and a popular early sort. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**GOLDEN BUSH.**—(Yellow Bush Scallop.)—The earliest of all and quite a favorite with all who like summer squash. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**EARLY BUSH CROOKNECK.**—Splendid, early, productive, fine quality. With all new varieties recently brought out, many claim there is no summer squash superior to this. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.



LONG STANDING SPINACH

## SPINACH

(One ounce will sow 80 ft. of drill; 10 lbs. is required to sow one acre.)

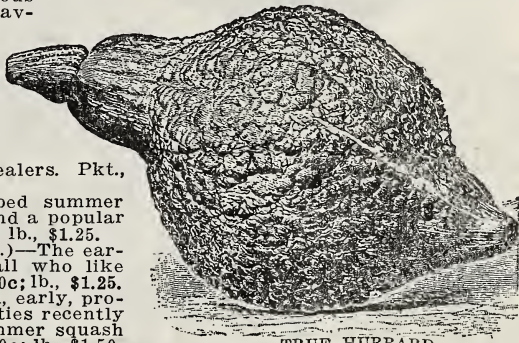
Makes the finest "greens" of any plant in cultivation. For summer, sow early in spring in deep, rich soil, one foot apart in drills; cover one inch; sow at intervals of two weeks. For early use sow in September and protect.

**KING OF DENMARK.**—The largest and finest spinach. Extra large, thick leaves and produces much more than the older types. Our seed is imported from responsible Holland growers. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**LONG STANDING.**—Standard with gardeners; leaves fleshy, large and good quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

**BLOOMDALE.**—Savoy-leaved, curled sort. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

**NEW ZEALAND.**—A distinct variety of great merit. It is of the "cut and come again" type of plants. It is ready to use by the time the early spinach has gone to seed and will continue to grow and produce until frost. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.



TRUE HUBBARD

**BANANA.**—A distinct variety of fall and winter squash. It is very prolific, grows to two feet or over in length, is very fine grained and heavy, cooks dry but is free from that "choky" quality common to winter squashes. Always rich, sweet and splendid flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

**TRUE HUBBARD.**—Most popular winter squash grown; hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and rich flavor; keep in perfect condition throughout the winter. Our stock is selected for thick flesh and solidity. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**SYME'S BLUE HUBBARD.**—A new strain of Hubbard and a splendid squash. Very thick meated, fine grained, dry and excellent flavor. Color clear, light blue; thick shelled and a good keeper. It will be very popular because of quality and fine appearance. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**GOLDEN HUBBARD, also called Red Hubbard.**—A counterpart of the old Green Hubbard, except in color, which is a bright, deep, orange yellow; fine flavor; in productiveness excels the green variety. Every market gardener will find it a "seller." Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



# TOMATO

(One ounce will produce about 2,500 plants.)

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to 4 or 5 inches apart. Give plenty of air and endeavor to secure a vigorous growth. When all danger of frost is past, transplant to the open ground, 4 to 6 feet apart each way. Well-manured, light, sandy soil is best.

**DETROIT.**—The earliest pink or light purple variety. Similar to the Beauty but earlier to mature. Popular with market gardeners. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00.

**BONNY BEST.**—A very early and desirable variety. The fruits are most attractive in shape, solidity and color, which is bright scarlet from outside to center. The vines are strong and vigorous, producing a good crop of globe-shaped fruits which ripen uniformly. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**JOHN BAER.**—Productive, bearing in clusters and abundantly. Of medium size, nearly round shape, scarlet color and of excellent flavor. The large yield, desirable size and shape makes it suited for early market and home use. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**REDHEAD.**—A bright red tomato ripening four or five days after Bonny Best or John Baer. It is the brilliant color that makes it popular. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**SPARKS' EARLIANA.**—Extremely early, remarkable for its large size, handsome shape, and beautiful bright red color. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

**PONDEROSA.**—Rather late to mature. Fruits very large and solid, purple color. Inclined to be irregular in shape, flesh is thick and fine in flavor. Immense cropper with good soil and care. Support it for best results. Pkt., 10c; oz., 45c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.50.

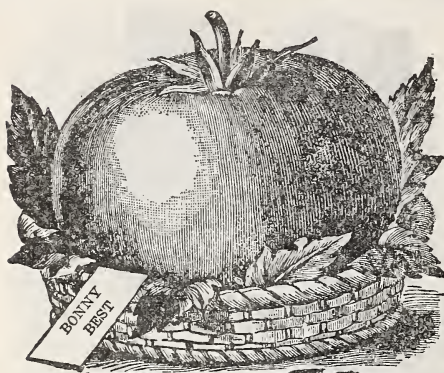
**CRIMSON CUSHION.**—Can be grown on trellises. Grows 7 to 10 feet high, if desired; most of fruit is borne 3 to 4 feet from the ground. Fine quality, extremely large, excellent. Pkt., 10c; oz., 45c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.50.

**MARGLOBE.**—Disease resistant. Globe shape. Bright red, very solid and a new variety which is very popular for main crop. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00.

**MATCHLESS.**—Matchless in beauty, color and form. Vines strong and vigorous. Fruit very rich cardinal red color, and not liable to crack; of large size and size maintained throughout season. Solid, fine quality, and keeps well. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**LIVINGSTON'S BEAUTY.**—One of the best. Its size, beauty, shape, flavor and productiveness makes it desirable. Color is purplish red. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**THE STONE.**—Standard sort. One of the most prolific varieties. Fine for canning. Bright red. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00.



JOHN BAER.



**DWARF CHAMPION.**—Plant is dwarf and compact, stem stiff and short jointed, almost self-supporting when it is laden with fruit. Early. Color purplish pink. Fruit is smooth, symmetrical, solid and of fine quality. Sometimes called "Tree Tomato." Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 90c.

**MAJESTIC.**—Largest, handsomest and finest quality tomato. The first fruits are somewhat rough, but later they are smooth and handsome, of rosy red color, its core blending into delicate shell-rose tints. Fruit is unusually solid, with very small seed cells. Flesh is tender, very grain and rich, of mild, delicate flavor. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50.

**RED MAJESTIC.**—This new sort appears to have all the qualities and size of the Majestic, but is a bright cardinal red in color, and for this reason may be preferred. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50.

**GOLDEN MAJESTIC.**—A magnificent new variety which originated in northern Iowa. It is the golden member of the great triumvirate, fully equal to the other Majestics in size, solidity, yield and flavor. The grandest yellow tomato. Pkt., 15c; oz., 50c.

## Preserving Tomatoes

**GOLDEN NUGGET.**—Fruits are beautiful golden yellow, round as a ball and about as large as a hulled black walnut. Flavor exceptionally fine, and a most desirable variety. Pkt., 10c; oz., 50c.

**YELLOW PEAR.**—A favorite withal. Pear-shaped and a deep yellow color. Highly valued for preserving or to make "tomato figs." They are fine pickled. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.00.



MATCHLESS



# TURNIPS

(One ounce will sow 150 feet of drill. Two pounds will sow an acre.)

For early, sow in April in drills half an inch deep and twelve inches apart; thin to six inches apart in the drill. For main crop sow broadcast in July and August, and before a shower.

**EXTRA EARLY PURPLE TOP MILAN.**—One of the earliest sorts in cultivation. Bulb very flat, medium size, quite smooth, with a bright purple top; grows compact with small strap-leaved top. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. \$1.00.

**EARLY SNOWBALL.**—A globe-shaped, white-skinned turnip, very fine grained, firm and of delicate flavor. One of the best keeping of white fleshed sorts, very early and particularly adapted for market use. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**GOLDEN BALL or Orange Jelly.**—A beautiful bright yellow fleshed turnip of medium size and universally sweet and delicious flavor. Is one of the best keepers. Flesh extremely firm and solid. Brings good price on market. If you have never tried yellow turnips plant Golden Ball this year. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**PURPLE TOP STRAP LEAVED.**—The standard for late planting. One of the best sorts on the market, fine grained and of mild flavor. Of good size, flat shape, pure white below with purplish red top. Good cropper, excellent keeper. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c 5 lbs., not prepaid, at 55c per lb.

**PURPLE TOP GLOBE.**—Similar to the Purple Top Strap Leaved except shape. The largest yielder of any turnip on the list and always brings top market price. Produces wonderful crops, as much as 1,000 bushels per acre frequently. A splendid item for winter stock feeding. Usually fed in connection with mixed grain feeds.

Very desirable for table use. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c. 5 lbs., not prepaid, at 60c per pound.

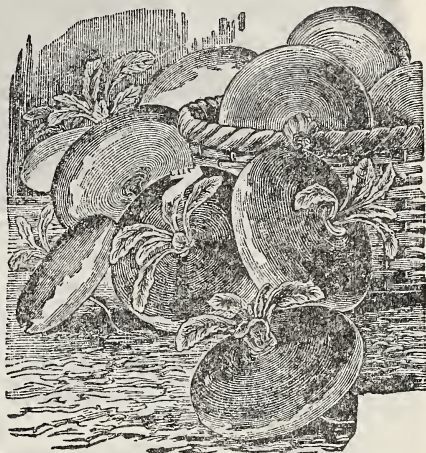
## RUTA BAGA

Also called "Swede" turnips. A splendid table vegetable, also grown for stock feeding. Many people consider them superior to turnips. Sow in June in drills 2 ft. apart, thin out to 8 inches.

**IMPROVED AMERICAN.**—Very solid, fine quality, good shape, smooth skin, small neck, keeps well. A choice strain of very best quality for table use or stock feeding. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.



PURPLE TOP GLOBE



PURPLE TOP STRAP LEAF



## RHUBARB

(One ounce will produce about 100 plants.)

Succeeds best in deep, rich soil. Sow in the spring in drills, cover one inch. Thin to six inches apart; transplant in the fall or spring to permanent beds three feet apart each way.

**IDEAL MAMMOTH.**—Leaves four feet across; stalks three inches in diameter and 3 $\frac{1}{2}$  feet long. Die down in August and start new growth, making fresh stalks for winter canning. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**VICTORIA.**—The standard variety. Preferred by many on account of their piquant and rich flavor. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

### RHUBARB ROOTS

Purchase roots, as you can save one year's time in this way. The roots we offer are large divided plants. Plant spring or fall, setting 3 feet apart.

**IDEAL MAMMOTH.**—The largest variety. Strong roots 20c each, doz. \$2.00, postpaid. By express, not prepaid, per doz. \$1.50.

**VICTORIA.**—Each 25c, 5 for \$1.00, doz. \$2.00, postpaid. By express, not prepaid, per doz. \$1.50.

## TOBACCO

**CONNECTICUT SEED LEAF.**—This is a staple variety in all sections of the country and will grow successfully over a wide range of territory. Used for cigar fillers. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50.

**WHITE BURLEY.**—A mild and sweet tobacco. It is the standard main crop variety in the tobacco sections as it is extra fine for manufacturing in nearly every manner that tobacco is used. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50.



TURNIPS ARE EASILY GROWN AFTER THE EARLY CROPS ARE HARVESTED.



# FLOWER SEEDS

**DIRECTIONS FOR SOWING, ETC.**—The conditions and requirements of the several species as to soil, moisture, heat, etc., should be studied and observed in culture. We give a few general instructions though more complete directions are printed on seed packets. The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make surface smooth and fine as possible; sow seeds in rows, covering each sort of seed in proportion to its size and you should press the soil down firmly over the seeds. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, verbena, daisy, hollyhock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Do not keep too wet; when large enough transplant to boxes or beds.

## ABRONIA

Trailing habit like verbena. Clusters of sweet-scented flowers. Sometimes one plant covers a yard square full of bloom. Rose color. Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., 30c.

## AGERATUM

Perennial Ageratum page 42

**BLUE PERFECTION.**—Improvement over common blue ageratum. Flowers larger and deeper blue. Blooms freely; fine in beds or borders. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

**WHITE PERFECTION.**—An improved white. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

## ALYSSUM

Perennial Alyssum page 40.

**SWEET.**—Has little white flowers useful for small bouquets. Its fragrance, while pronounced, is very delicate. Makes a pretty border. Pkt., 5c;  $\frac{1}{4}$  oz., 10c; oz., 30c.

**LITTLE GEM.**—Very dwarf and remarkably uniform, only 3 or 4 inches high and spreads to 12 inches in diameter. Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

**LILAC QUEEN.**—A new color in Alyssum which will be very attractive and popular with those who desire a delicate blue plant for borders. Pkt., 10c.

## AMARANTHUS

Colors will be more brilliant if in rich soil.

**TRICOLOR.**—Leaves yellow, red and green; well known as "Joseph's Coat." Hardy annual; 2 feet high. Pkt., 5c.

**SALICIFOLIUS.**—Popularly known as "Fountain Plant." Pkt., 10c.

**CAUDATUS.**—(Love Lies Bleeding.)—Produces long, drooping chains of brilliant colored flowers. Pkt., 5c.

**Mixed Varieties.**—Above kinds in mixture. Pkt., 5c;  $\frac{1}{4}$  oz., 10c; oz., 30c.

## ANTIRRHINUM

**GIANT FLOWERED MIXED.**—Most beautiful, having all the finest colors and markings known. Flowers are of immense size and produced in long spikes, 1 to 2 feet high. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**CERBERUS.**—Carmine red. Pkt., 10c.

**DEFIANCE.**—Old gold. Pkt., 10c.

**THE ROSE.**—Bright pink. Pkt., 10c.

**PURPLE KING.**—Purple. Pkt., 10c.

**DIAMOND.**—Scarlet yellow lip, pink throat. Pkt., 10c.

**SNOWFLAKE.**—White. Pkt., 10c.

## ARCTOTIS GRANDIS

Remarkably handsome annual; much-branched bushes about 2 ft. high. Foliage soft and downy, of whitish color; its flowers, borne on long stems, are large and showy; surface embellished with a narrow yellow zone at base; reverse of petals lilac blue; disc is light blue with slightly projecting white stamens. Pkt., 10c.



AGERATUM



ALYSSUM



AMARANTHUS



ABRONIA



ANTIRRHINUM



ARCTOTIS, GRANDIS



# ROYAL ASTERS

Perennial Asters on page 41.

Royal Asters are a wonderful opportunity for aster lovers. We offer five bright colors in the best strain of branching type and in addition the best mixtures of the Crown and Crego types, and the new Astermums so you get a wide range of color and form.

**ROYAL LAVENDER.**—The daintiness of the lavender color delights the eye, while the perfect form and lovely type of the bloom itself makes the Royal Lavender cherished among lovers of asters. Pkt., 10c.

**ROYAL PURPLE.**—Aster producing immense large flowers of royal purple on strong, upright stems. Unexcelled as a show flower. Per pkt., 10c.

**ROYAL WHITE.**—A beautiful and distinct variety and the best white. Of refined and faultless form and very freely produced. Per pkt., 15c.

**ROYAL PINK.**—Beautiful, bright shade of pink. Show best when mingled with darker shades. Blossoms of perfect shape on long stems. Per pkt., 10c.

**ROYAL RED.**—Bright cardinal red flowers of very large size. Compact form with plants of strong, robust growth. Branching type like above. Pkt., 15c.

**ROYAL MIXED.**—Our choicest mixture, made from named varieties. It will introduce the widest ranges of colors and the strongest and most vigorous plants. Mixed in our own house to safeguard its quality. Pkt., 10c; ¼ oz., 60c; oz., \$2.00.

## ROYAL ASTER COLLECTION

One packet each of the five royal varieties and one packet each of Crown and Crego—seven in all—post-paid for only 50 cents.

**BANNER ASTER COLLECTION.**—Inside back cover.



ROYAL ASTERS

## ASTERMUMS

A selection of Comet type, with great, large flowers, curved and reflexed like chrysanthemums. The form of the flower is very striking and attractive.

**WHITE.**—Pkt., 10c; ¼ oz., 75c.

**PINK.**—Pkt., 10c; ¼ oz., 75c;

**RED.**—Pkt., 10c; ¼ oz., 80c.

**LAVENDER.**—Pkt., 10c; ¼ oz., 80c.

**PURPLE.**—Pkt., 10c; ¼ oz., 85c.

**MIXED ASTERMUMS.**—Above and other shades in fine variety. Pkt., 10c; ¼ oz., 60c.

**CROWN.**—Center of each flower white; surrounded by broad margin of color—crimson rose, violet, etc.; flowers are large, freely produced. Beautiful and showy. Mixed colors. Per pkt., 10c.

**CREGO.**—Chrysanthemum flowered asters. Combine splendid coloring and shading with the unique form of quilled varieties. Mixed colors. Pkt., 10c.

**FINE MIXED ASTERS.**—Mixture of varieties and colors from the fields of the growers. Good seed at a low price. Flowers of many forms and sizes, and very desirable. Pkt., 5c; ¼ oz., 30c; oz., \$1.00.



ASTERIUM

## BALSAM

A most beautiful annual. Flowers are most brilliantly colored, very large and double. Packets contain about 50 seeds.

**CAMELIA-FLOWERED MIXED.**—Very double, resembling camelia in form, of unusual size, perfect shape, and contains all the best colors. Pkt., 10c; oz., 65c.

**PEERLESS MIXED.**—A new mixture from best foreign and American strains. Flowers are double and all colors. Popular names, "Touch-Me-Not" and "Lady Slipper." Pkt., 10c; oz., 65c.

## BLUE LACE FLOWER

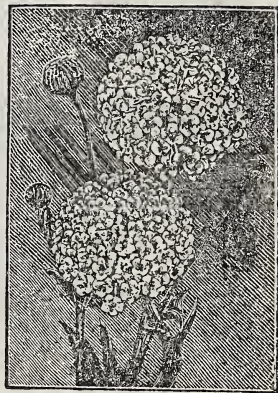
**DIDISCUS COERULEUS.**—Blooms most profusely from July till November. Exquisite pale lavender blossoms, excellent for cutting. Grow about 18 inches high, and have as many as 50 flowers open at one time. Pkt., 10c.

## BROWALLIA

**GRANDIFLORA.**—Most beautiful of all Browallias. Grow only about 1 ft. high; form dense little bushes covered with abundance of delightful extra large sky-blue flowers. Pkt., 10c.



PEERLESS BALSAMS



BLUE LACE FLOWER

A SMALL SUM WILL BUY FLOWER SEEDS TO MAKE A WONDERFUL DISPLAY



**BURNING BUSH**

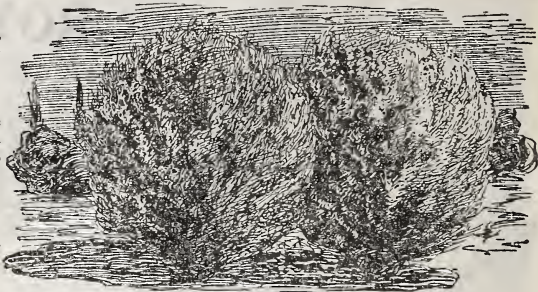
A fine annual border or hedge plant. Grows quickly from seed. Plants are rounded or globe-like form, branch freely. Pkt., 5c; ¼ oz., 20c; oz., 50c.

**BUTTERFLY FLOWER**

(Schizanthus.) Challenges the rare orchids in beauty. Easily grown and makes a bushy plant loaded with rich, varied colored flowers. Pkt., 10c.

**CACALIA**

**COCCINEA.**—A handsome little plant; peculiar form of flower. Is sometimes called Tassel Flower or Flora's Paint Brush. Scarlet bloom, bright and attractive. Pkt., 5c; ¼ oz., 40c.



MEXICAN BURNING BUSH

**CANDYTUFT**

All varieties look best in beds or masses; hardy, easy to cultivate, blooms profusely. Hardy annuals one foot high.

**GIANT EMPRESS.**—Of very branching habit and is covered with pure white flowers. Pkt., 10c.

**BEST MIXED.**—Varieties and colors. Pkt., 5c; ¼ oz., 10c; oz., 30c.

**CRIMSON.**—Companion to Giant Empress, and will be appreciated because of its unusual color. Pkt., 10c.

**CALLIOPSIS**

Perennial Calliopsis page 41.

Showy flowers anywhere without trouble or care.

**SINGLE MIXED.**—Mixture of annual varieties. Many shades of yellow, red, brown. Pkt., 5c; ¼ oz., 10c; oz., 30c.

**CLARKIA**

This has in recent years been greatly improved through selection and hybridization, and from the original rose-colored flowers a number of new and beautiful colors have been evolved. Bloom freely all summer.

**COLORS.**—Pink, salmon, carmine or scarlet. Any color, each per pkt., 10c; ¼ oz., 50c.

**MIXED COLORS.**—Pkt., 5c; ¼ oz., 40c.



BUTTERFLY FLOWER



CALLIOPSIS

**CALENDULA**

Belongs to marigold family. An annual of the easiest culture and quite effective in mass plantings or in beds.

**FINE MIXED.**—Many sorts. Pkt., 5c; ¼ oz., 10c; oz., 25c.

**ORANGE KING.**—Extra large fine blooms of bright orange. Very popular. Pkt., 10c; ¼ oz., 20c; oz., 50c.

**LEMON QUEEN.**—Companion flower to Orange King. Color, light yellow. Pkt., 10c; ¼ oz., 20c; oz., 50c.



ORANGE KING CALENDULA

**CANNA**

One of the best bedding plants. Their handsome leaves with varied and richly colored flowers have an extremely fine effect. Easily raised from seed which should be filed on one side until the white shows before planting.

**FANCY LARGE FLOWERED.**—Very large flowering dwarf varieties 3½ feet high. Pkt., 10c; oz., 40c.

**CARNATION**

Quickest growing dianthus or pink. Very fragrant.

**MARGUERITE.**—Mixed.—In full bloom about four months after sowing; plants succeed in open garden or pots, and are of vigorous, dwarf, erect growth. Colors, markings and shading wonderful. Pkt., 10c.



GIANT EMPRESS CANDYTUFT



MARGUERITE CARNATIONS

**CRIMSON CANDYTUFT MAKES A FINE BORDER FOR BEDS OF COLORED FLOWERS**



## CENTAUREA

Perennial Centaurea page 41.

**CYANUS DOUBLE.**—A most charming form of Cornflower or Ragged Sailor. Flowers very large and globular. Continuous bloomer. Mixed colors. Pkt., 5c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

We also offer colors as follows:

<b>Deep Blue</b>	<b>Purple</b>
<b>Sky Blue</b>	<b>Carmine</b>
<b>Rose Pink</b>	<b>White</b>

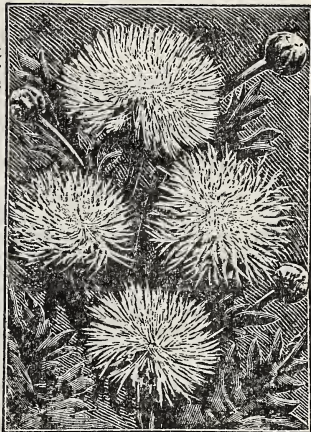
Any separate color each, pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.

**GYMNOCARPA.**—(Dusty Miller.)—The foliage of this variety is finely cut and silvery. Perhaps the best white-leaved plant for bedding. Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.00.

**IMPERIALIS MIXED.**—Improved Sweet Sultan. A wonderfully beautiful flower for bouquets, vases or decorations. White, red, blue, lilac, etc. Pkt., 10c;  $\frac{1}{4}$  oz., 25c; oz., 80c.



DOUBLE CENTAUREA



SWEET SULTAN

## CELOSIA

For summer beds; produces showy, brilliant effects. Useful in winter bouquets, lasting a long time.

**SPICATA.**—A wonderful Celosia. Forms upright, well-branched pyramids, about  $2\frac{1}{2}$  feet in height, producing at the summit of each branch spikes of flowers opening rose pink, changing to silvery white. Pkt., 10c.

**TALL CRIMSON.**—Grows six feet high in good soil. Pkt., 10c;  $\frac{1}{4}$  oz., 50c.



COSMOS

Magnificent plants 4 to 6 feet high, with graceful flowers resembling single dahlias, but better for cutting. Easily grown.

**LADY LENOX.**—Beautiful light pink flowers of extra large size. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

**RED STAR.**—Bright red. A fine color for solid rows or backgrounds. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

**PURPLE LADY.**—Purple color. To help get the widest range in colors. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

**MAMMOTH PERFECTION.**—Seed should be sown early in house. Quite late. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 50c.

**EARLY DAWN MIXED.**—Bloom two months from sowing, until frost. Fine, feathery, green foliage and rose, purple, white and lilac flowers. Mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

## COLEUS

(Foliage Plant.) Easily grown from seed. Frequently produces new, distinct varieties. Packets contain about 150 seeds.

**RAINBOW MIXED.**—Finest sort; pleasing. Pkt., 15c.

## CHINESE WOOLFLOWER

**CELOSIA CHILDSII.**—Odd and showy. Plants grow about 3 feet high, the bloom starting early with a globular central head, while numerous branches are sent out, each bearing a ball of scarlet wool that last until killed by frost. If cut before frost and dried in a dark place retain their color all winter. Pkt., 20c;  $\frac{1}{4}$  oz., \$1.00.

## COCKSCOMB

**GIANT EMPRESS.**—The Empress is the finest and most gorgeous variety; not uncommon for the heads to measure 12 inches in breadth; purple combs, dark bronze foliage. Pkt., 10c.

**GOLDEN GLOW.**—Plants large and produce handsome flowers 5 to 10 in. in diameter, of bright, rich, golden yellow. Contrasts with the crimson of Giant Empress. Per pkt., 10c.

**ALL VARIETIES MIXED.**—Many Celosias and Cockscombs mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 75c.



GIANT EMPRESS COCKSCORNB



PLUMED CELOSIA



CHINESE WOOLFLOWER

THE CELOSIAS ARE FINE FOR DECORATIVE BOUQUETS OR VASES IN THE HOME



## DAHLIA

If the seed is sown early in the spring they will bloom the first year. The best way is to start them in flats or boxes in the house in March and transplant to open ground about the first of May. Many new varieties may be secured from among seedlings. For Dahlia roots see page 51.

**BEST DOUBLE MIXED.**—Our seed is of the finest; saved from large, very double flowers of richest shades. Pkt., 10c;  $\frac{1}{4}$  oz., \$1.00.

## DAISY

For perennial daisies see page 42.

**AFRICAN GOLDEN**—(*Dimorpotheca Aurantiaca*)—This very beautiful, showy annual comes from South Africa. Blossoms 2 to 3 inches in diameter, a peculiarly rich, glossy orange gold color, produced quickly on sturdy plants three feet high. **HYBRIDS MIXED.**—Pkt., 10c.

**SWAN RIVER** — (*Brachycome*) — Very pretty low-growing plants, fine for borders, rustic work or pot culture, covered during summer with a profusion of cineraria-like flowers. Mixed blue and white. Pkt., 10c.



AFRICAN  
GOLDEN  
DAISY



ORIENTAL MIXED DIANTHUS



FOUR O'CLOCK



DOUBLE DAHLIAS

Fertilize your flower beds. Give the plants plenty to eat and they will reward you with a b u n d a n t beauty.

## DIANTHUS

Dianthus, or Chinese Pinks, furnish abundance of gay and pretty flowers until frozen.

**ORIENTAL MIXED.**—Markings and colors are rich and brilliant. Blooms show wonderful variations, striped, blotched and banded. Colors range from white to crimson and maroon. Pkt., 10c;  $\frac{1}{4}$  oz., 35c; oz., \$1.00.

## ESCHSCHOLTZIA

(California Poppy)—Easy to grow, brilliant in color; bloom under any condition.

**CRIMSON.**—Result of nine years' careful selection from a sport in a bed of yellow Eschscholtzia. Bright crimson. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

**GOLDEN WEST.**—A giant flower of rich golden yellow color, some having a dark orange center. Pkt., 10c;  $\frac{1}{4}$  oz., 50c.

**SINGLE MIXED.**—The common California poppy. Fine form, deep golden color. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 40c.

## EUPHORBIA

**VARIEGATED.**—"Snow on the Mountain." Annual suitable for screens. Foliage ornamental, veined and margined white. Pkt., 5c.

**HETEROPHYLLA.**—(Mexican Fireplant or Annual Poinsettia.)—Bush-like with smooth, glossy-green leaves. In midsummer these are beautiful orange-scarlet. Pkt., 10c.

## FOUR O'CLOCK

(*Mirabilis*)—Marvel of Peru, or Four O'Clock. A most brilliant, showy annual. Their rich, glossy leaves and profusion and diversity of bloom are a gorgeous sight.

**MIXED COLORS AND VARIETIES.**—A fine assortment. Pkt., 5c; oz., 20c.



ESCHSCHOLTZIA

EUPHORBIA VARIEGATA

COSMOS FOR BACK ROW AND FOUR O'CLOCK IN FRONT MAKE A BEAUTIFUL SCREEN



**GAILLARDIA**

For perennial Gaillardia see page 42.

**Blanket Flower.** Exceedingly beautiful annuals, very showy plants, 1 to 2 feet high, showing many bright shades of color. Grown in mass are effective.

**AMBLYODON.**—Splendid red shades, two to three feet high. Pkt., 10c; ¼ oz., 40c.

**AURORA BOREALIS.**—A beautiful combination of brown, red and yellow. Pkt., 10c; ¼ oz., 40c.

**SULPHUREA.**—Bright yellow with dark center. One of the most showy. Pkt., 10c; ¼ oz., 50c.

**PERFECTION DOUBLE MIXED.**—A double flower, round as a perfect ball, in most varied and pleasing colors. Pkt., 10c; ¼ oz., 25c; oz., 75c.

**SINGLE MIXED.**—Pkt., 10c; ¼ oz., 25c; oz., 75c.

**DOUBLE AND SINGLE MIXED.**—To afford the widest range in mixture. Pkt., 10c; ¼ oz., 25c; oz., 75c.

**GERANIUM**

**GOOD VENTURE.**—Easily raised from seed, which frequently reward the cultivator with new varieties. Start early in the house; bloom the first summer in the garden. Pkt. (about 40 seeds), 15c.

**GODETIA**

Handsome and showy annual about one foot high, of dwarf, compact growth; bear freely large flowers 3 to 4 inches across, of exquisite colors.

**MIXED VARIETIES.**—All colors. Pkt., 10c.

**GYPSOPHILA**

Perennial Gypsophila, page 42.

Delicately pretty little flowers sometimes called "Baby's Breath" or "Angel's Breath." Graceful and easily grown in open ground.

**ELEGANS.**—Small white flowers. Annual sort. Pkt., 5c.



NEW  
HAMMOTH  
FLOWERING  
HELIOTROPE



ANNUAL GAILLARDIA

**HELIOTROPE**

A great favorite for their beauty and fragrance; are well suited for beds or borders in summer and may be potted for winter blooming.

**MIXED COLORS.**—Pkt., 10c.

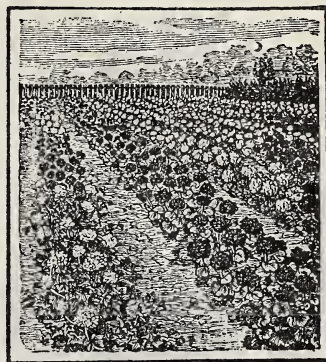
**HOLLYHOCKS**

For Perennial Hollyhock, see page 43.

**EVERBLOOMING.**—A most showy flower. Started in the house in March and set out in May it blooms in July. Sown in the open ground in April it blooms in August. Of vigorous growth, with large flowers. Colors varied. Pkt., 10c; ¼ oz., 35c; oz., \$1.00.



ANNUAL HOLLYHOCKS



GERANIUM

**GILIA**

Free-flowering, hardy annuals, one foot to 18 inches high, with finely cut foliage and clusters of small, delicate flowers, white, blue, lilac, and rose color; suitable for beds, rockwork and edgings. Sow seed in open ground. Mixed. Pkt., 5c; ¼ oz., 25c.

**CAPITATA (Thimble Flower)**—Very graceful, growing about two feet high with fine feathery foliage and bearing freely over a long season globular heads, about one inch across, of rich lavender blue flowers, which last well when cut and retain color when dried. Pkt., 10c; ¼ oz., 35c.



GILIA CAPITATA

**FAVORITE FLORAL COLLECTION**

Twenty-two packets of free blooming annual flowers, easy to grow for \$1.25. See inside back cover.



**HUNNEMANNIA**  
(Giant Yellow Tulip Poppy, or Bush Eschscholtzia)

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. Grows about 2 feet high, are quite bushy, with beautiful feathery glaucous foliage. Pkt., 10c; ¼ oz., 50c.



HUNNEMANNIA

**ICE PLANT**

A handsome and curious plant for hanging baskets, rockwork and vases. The leaves and stems appear as though covered with ice crystals. The whole plant is peculiarly brilliant in sunshine. The flower is white and pink. Pkt., 5c; ¼ oz., 25c.



ICE PLANT

**IMPATIENS**

(Sultan's Balsam)

**HOLSTII HYBRIDS.**— Handsome plants from East Africa, forming bushes 12 to 18 inches high. The flowers, 1¼ to 1½ inches across, are of scarlet, orange-red, pink and white, with a red eye. The plants grow luxuriantly out-of-doors and make unusually showy flower-beds. If grown in pots they are equally effective. Mixed colors. Pkt., 15c.



IMPATIENS SULTAN'S

**LANTANA**

Lantanas are favorites for beds or porch boxes. Flowers resemble verbenas in form and range in colors of pink, lavender yellow and orange.

**BRAZILIAN BEAUTY.**—Specially fine mixture of choicest sorts. Pkt., 10c.



LARKSPUR

**LARKSPUR**

See Delphinium, page 42. The annual Larkspurs have been greatly improved the past few years, and they now equal the Delphiniums in gorgeous grandeur

**HYACINTH FLOWERED.**—Three or four feet high, adapted to borders, beds or among perennials. Mixed colors. Pkt., 5c; ¼ oz., 65c.

**STOCK FLOWERED MIXED.**—A new type of annual Larkspur. Extra large and equal to Delphinium in size and beauty. Colors range from rose to deep blue. Pkt., 10c; ¼ oz., 40c; oz., \$1.

**STOCK FLOWERED TO COLOR.**—White, flesh, rose, carmine, scarlet, sky blue and dark blue. Any color per pkt., 10c; ¼ oz., 50c.



LANTANA

**LINUM**

Perennial Flax on page 43.

**GRANDIFLORUM RUBRUM.**—(Scarlet Flax.)—A showy annual for flower beds and masses; crimson scarlet flowers. Pkt., 5c; ¼ oz., 10c; oz., 30c.

**LOBELIA**

**CRYSTAL PALACE COMPACTA.**—A dwarf variety. Flowers deep, dark blue color and cover plant; fine for carpet bedding or border. Pkt., 10c.

**EMPEROR WILLIAM.**—Dwarf habit and hardy, similar to Crystal Palace. Color is lovely light blue. Pkt., 10c.

**LUPINUS**

See page 43 for Perennia' sorts. **MIXED ANNUAL VARIETIES.**—Strong growing garden annuals, with innumerable spikes of flowers of various colors. Pkt., 10c.



LUPINUS



LOBELIA

LARKSPURS FOR CENTER AND LOBELIA FOR BORDERS MAKE ATTRACTIVE BEDS



**MARIGOLD**

A general favorite for planting in mixed beds and informal gardens, as they produce such great numbers of brilliant colored flowers that are always a bright spot wherever planted.

**TALL AFRICAN.**—This old favorite has been greatly improved in size and doubleness of its flowers. Double mixed. Pkt. 5c; ¼ oz. 15c; oz. 50c.

**PRIDE OF THE GARDEN.**—A wonderful fine strain of Dwarf Marigolds containing a variety of colors. Pkt., 5c; ¼ oz., 15c; oz., 50c.

**LEMON QUEEN.**—A charming new variety producing large bell-shaped flowers of clear lemon or canary yellow color, on long stems. Blooms early and continuously. Pkt., 5c; ¼ oz., 25c; oz., 75c.

**ORANGE KING.**—Companion for the Lemon Queen, of bright orange. Fine, large blooms retain their full beauty for days. Pkt., 5c; ¼ oz., 25c; oz., 75c.

**LEGION OF HONOR.**—Distinctly marked brown and yellow flowers of striking beauty. Pkt., 5c; ¼ oz., 25c.

**ELDORADO MIXED.**—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Three feet high. Pkt., 5c; ¼ oz., 15c; oz., 50c.



ELDORADO MARIGOLD



MACHET MIGNONETTE

**MIGNONETTE**

**SWEET SCENTED.**—The fragrance of the Mignonette makes it indispensable for bouquets and cutting. Sow early. They will bloom first of June. Pkt., 5c; oz., 25c.

**MACHET.**—Makes a pretty and fragrant pot plant. Distinct variety of great merit. Vigorous dwarf growth with very large spikes of deliciously scented red flowers. Pkt. 5c; ¼ oz. 15c; oz. 50c.

**MIMULUS**

**TIGRINUS.**—(Monkey Flower.)—There are a wide range of colors in Mimulus Tigrinus. They are spotted scarlet, crimson and pink on yellow or white grounds and offer striking contrasts that are sure to please. Very showy and free flowering. Mixed sorts. Pkt., 10c.

**MOSCHATUS.**—Well known musk plant; quite pretty, and has a strong musk fragrance. If better known this we are sure would be more grown as the odor is pleasant and it is nice for pot culture. Pkt. 10c.

**MYOSOTIS (Forget-Me-Not)**

The dainty blue Forget-Me-Not is always appreciated.

**PALUSTRIS.**—True Forget-Me-Not. A perennial. Blooms first year from seed. Pretty plants with neat little star-shaped blue flowers. Pkt., 10c.

**VICTORIA.**—Best for pot culture. Dwarf, globular habit; beautiful sky-blue, center double. Per pkt., 10c.

**NICOTIANA**

**SANDERAE HYBRIDS.**—Beautiful rosy carmine color and blooms freely. These new hybrids have also various shades of purple, pink, red, salmon, violet and white. Grows about 2 feet high, branches freely and loaded with flowers open all day. Sow seeds early in the house and transplant in May. Mixed colors. Pkt., 10c.

**NIGELLA**

(Love in the Mist)

**MIXED COLORS.**—Hardy annuals about 1 ft. high; very pretty. Double flowers, blue, white and purple, beautifully veiled with feathery, delicate foliage. Pkt., 5c; ¼ oz., 10c; oz., 25c.

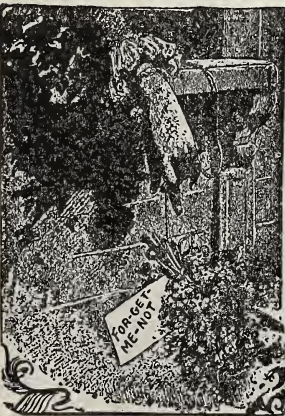
**MISS JEKYLL.**—A large and profusely blooming variety with bright sky-blue flowers and fine fern-like foliage. Taller than most kinds. Pkt., 10c; ¼ oz., 20c; oz., 60c.



MIMULUS TIGRINUS



MISS JEKYLL NIGELLA



**PLANT ORANGE KING, LEMON QUEEN AND ELDORADO MARIGOLDS IN ONE BED**



# NASTURTIUMS

## DWARF VARIETIES

**Aurora.**—Deep chrome yellow, blotched and veined purplish carmine. Pkt., 5c; oz., 20c.

**Beauty.**—Scarlet splashed canary yellow. A fine variety; attractive flower. Pkt., 5c; oz., 20c.

**Chameleon.**—Crimson, gold and bronze, bordered and flamed. Pkt., 5c; oz., 20c.

**Empress of India.**—Dark purplish leaves and brilliant scarlet flowers. Pkt., 5c; oz., 25c.

**General Jacqueminot.**—Named for the rose; flowers bright crimson scarlet. Pkt., 5c; oz., 25c.

**King Theodore.**—The "black" nasturtium, deep velvety crimson. Pkt., 5c; oz. 25c.

**Ruby.**—Bright and brilliant carmine color; profuse bloomer. Pkt., 5c; oz., 25c.

**Vesuvius.**—Bright salmon pink, veined deep orange. Brightest shade in list. Pkt., 5c; oz., 20c.

**Imperial Mixed.**—Mixed by us from best named varieties. Pkt., 5c; oz., 20c; ¼ lb., 70c.

**Dwarf Varieties Mixed.**—A nice mixture of colors; free bloomer. Pkt., 5c; oz., 20c; ¼ lb., 50c.

## CLIMBING VARIETIES

**Firelight.**—Brilliant cardinal red, brightest and most attractive color. Pkt., 5c; oz., 25c.

**Midnight.**—Dark, brownish red; profuse bloomer. Fine in mixed beds. Pkt., 5c; oz., 25c.

**Moonlight.**—Pale straw or lemon yellow, a delicate, soft shade. Pkt., 5c; oz., 25c.

**Sunlight.**—Rich brilliant yellow color; flowers immense size; crinkled. Pkt., 5c; oz., 30c.

**Twilight.**—Lovely delicate flower of salmon rose or pink. Pkt., 5c; oz., 25c.

**Caprice.**—Changing colors, often a dozen different shades on a plant. Pkt., 10c; oz., 35c.

**Madam Gunter's Hybrids.**—Mixture of many colors; best climbing varieties. Pkt., 5c; oz., 20c; ¼ lb., 70c.

**Tall Varieties Mixed.**—A good mixture of climbing sorts. Pkt., 5c; oz., 20c; ¼ lb., 50c.



IMPERIAL MIXED NASTURTIUMS

## OENOTHERA

### (Evening Primrose)

Blossoms fully expand only toward and during evening. Three to four inches across. A hardy annual. Mixed white and yellow. Pkt., 5c.

## GIANT PANSY PLANTS

Grown from our American Giant seed. Wonderful large flowers in many colors. Will bloom quickly when set out in bed. Per doz., 50c. Postpaid Iowa points, 60c.

# PANSIES

Tufted Pansies (Violas) on page 41. Pansies are a specialty with us, and we use the greatest care to secure the best strains. Packets contain 125 to 150 seeds.

**PRETOSO.**—A new strain of the world's best grower. Widest range of colors, most diversified markings, and velvety substance of any mixed pansies now offered. They are great, large, fine blooms, satiny finish, brightest colors which really shine with lustre. Pkt., 10c; ¼ oz., \$1.50; oz., \$5.00.

**AMERICAN GIANT.**—This strain is of strong, robust, luxuriant growth and produces magnificent immense flowers. Comprise practically all shades and markings known. Grown expressly for us by a careful and enthusiastic pansy specialist who grows nothing else. Pkt., 10c; ¼ oz., \$2.00; oz., \$7.00.

**MASTERPIECE.**—Distinct from all others in form of flowers, the border of every petal conspicuously undulated and curled. Flowers are very large. Pkt., 10c; ¼ oz., \$1.50.

**GIANT TRIMARDEAU.**—Flowers of very large size. Each flower marked with three large blotches or spots and stands well above foliage. Choice mixed colors. Mixed in our house to make sure of a range of color in proper proportions. Pkt., 10c; oz., \$4.00.

**SEPARATE COLORS.**—We can furnish Giant Flowered Pansies in following colors:

**Giant White.**—Pkt., 10c; ¼ oz., \$1.50.

**Giant Yellow.**—Pkt., 10c; ¼ oz., \$1.50.

**Giant Red.**—Pkt., 10c; ¼ oz., \$1.60.

**Giant Blue.**—Pkt., 10c; ¼ oz., \$1.40.

**Giant Purple.**—Pkt., 10c; ¼ oz., \$1.50.

**Giant Black.**—Pkt., 10c; ¼ oz., \$1.60.

**FINE MIXED.**—Many good sorts and a variety of color. Pkt., 5c; ¼ oz., 60c; oz., \$2.00.



AMERICAN  
GIANT  
PANSIES

A SMALL SUM FOR ANNUAL FLOWER SEEDS WILL GIVE ABUNDANT RETURNS



# PETUNIAS

No garden is complete without a bed of elegant petunias. They commence flowering early and continue a mass of bloom until killed by frost; easily cultivated.

**LITTLE PET.**—(Howard's Star.)—These small-flowered, petunias are round, bushy little plants about 8 inches high, covered for months with beautiful purple flowers which have a distinct five-pointed star in the center. Pkt., 15c.

**GRANDIFLORA MIXED.**—Large, flowers with beautiful shades of crimson, white, rose, maroon, blotched, striped, veined and fringed. Pkt., of 200 seeds, 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**INIMITABLE.**—Half dwarf, blotched and striped. Many different shades of color. Pkt., 10c.

**ROSY MORN.**—Half dwarf, pink. Pkt., 10c.

**GENERAL DODDS.**—Half dwarf, blood red. Bright and attractive. Pkt., 10c.

**NORMA.**—Half dwarf, blue and white. Pkt. 10c.

## BALCONY PETUNIAS

The newest and most popular type of petunias. They are half dwarf and of modified trailing habit. Fine for porch and window boxes.

**BALCONY MIXED.**—Above and many other shades mixed. Pkt., 15c;  $\frac{1}{4}$  oz., \$3.00.

**BALCONY WHITE.**—Pkt., 15c.

**BALCONY ROSE.**—Pkt. 15c.

**BALCONY BLUE.**—Pkt., 20c.

**BALCONY RED.**  
—Pkt., 15c.



BALCONY PETUNIAS

## PHLOX DRUMMONDI

If we could have but one flower for our garden that one would be the Phlox. A brilliant, almost dazzling show; continual bloom. Perennial Phlox on page 43.

**FIREBALL.**—Brilliant, dazzling scarlet. Growth is dwarf and compact; fine for bed effect. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**SNOWBALL.**—Fit companion for Fireball. Flowers very large, pure white. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**GRANDIFLORA MIXED.**—Large-flowering strain. Colors white to nearly black, including pink, red, violet, crimson, purple, yellow, blue, scarlet and brown. Striped and blended in an indescribable manner. Pkt., 5c;  $\frac{1}{4}$  oz., 40c; oz., \$1.25.

## POPPIES

Perennial Poppies on page 44.

**KING EDWARD.**—Extra tall, extra large scarlet flowers. Wonderfully showy. Grow 3 feet and attract attention. Pkt., 10c;  $\frac{1}{4}$  oz., 40c.

**MEPHISTO.**—Scarlet with black spots. Grows tall and strong and is very showy. Pkt., 10c;  $\frac{1}{4}$  oz., 40c.

**SANTA ROSA MIXED.**—Improved Shirley poppy; unusually large flowers of remarkably clear colors, including new striped salmon and bluish shades. Petals crumpled. Pkt., 5c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

**PAEONY FLOWERED.**—A robust type 2 feet high; very large flowers, round, smooth, double, of exceeding brilliancy. Mixed colors. Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

**CARNATION FLOWERED.**—Beautiful form and colors of the favorite type of old-fashioned double poppies. Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 50c.



SANTA ROSA  
POPPIES

## PORTULACA

**GRANDIFLORA SINGLE MIXED.**—Also called rose moss. Forms a brilliant, striking bed of color, on bright, sunny days, and blooms brightest in mid-day hours. Very dwarf low-growing; forming a mat. Pkt., 5c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

**DOUBLE MIXED.**—These old favorite flowers are double as a rose, brilliant shades of white, yellow, crimson, scarlet, and pink. Pkt., 10c;  $\frac{1}{4}$  oz., 75c.

## RICINUS

Castor oil plant. Stately foliage plants. Very popular for screens, borders or clumps to provide majestic tropical effects. Said to keep out moles. Give good soil and sunny situation.

**CAMBODGIENSIS.**—Has large palm-like leaves of darkest reddish maroon, covered with a bright, bronzy luster. Have large red veins. Seed pods fiery red. Pkt., 10c; oz., 25c.

**SANGUINOS.**—Blood red stalk; very attractive, giving tropical effect in clumps or screens. Pkt., 5c; oz., 15c.

**ZANZIBARENSIS.**—Grows to a height of 12 to 14 feet with leaves 2 to 4 feet across. Pkt., 10c; oz., 25c.



SINGLE PORTULACA

**BALCONY PETUNIAS IN CENTER EDGED WITH PORTULACA MAKES A BRIGHT BED**



## SALPIGLOSSIS

Plants about 18 in. high, bearing through the season large flowers 3 to 4 inches across, of beautiful colors.

## NEW VARIVEINED.

Surface soft and velvety, colors marvelous, ranging from pure white to dark yellow, dark red and purplish black, including blue, velvety plum color, maroon, crimson, brown, gold and yellow, white, dark purple, black and brilliant scarlet, beautifully veined and mottled. Pkt., 10c.

## SALVIA

Perennial Blue Salvia page 45  
**SPLENDENS.**—Free bloomers. Brilliant scarlet. One of the most satisfactory bedding plants. Pkt., 10c; ¼ oz., 75c; oz., \$2.50.

**BONFIRE.**—Dwarf, free blooming sort. Much earlier than Splendens and brighter color. Pkt., 10c; ¼ oz., 90c.



SALPIGLOSSIS



SALVIA

## SCABIOSA

Perennial Scabiosa on page 44.

**LARGE FLOWERED MIXED.**—Handsome border plant, producing double flowers in variety of shades and colors; splendid for bouquets. Pkt., 5c; ¼ oz., 15c; oz., 50c.

## SENSITIVE PLANT

Very pretty and curious plant, its leaves closing when touched. Seeds start slow and it is best to start them in boxes; cover shallow and see they do not dry out; it makes a good house plant for the winter and pleases the children. Pkt., 10c.

## SUNFLOWER

The sunflowers are attractive for screens, borders, clumps and among shrubbery.

**DOUBLE CHRYSANTHEMUM FLOWERED.**—Dwarf, growing 4 to 6 feet; beautiful double flowers. Pkt., 10c.

**GLOBE OF GOLD.**—A new double, about 4 feet high; branching stems; in bloom it seems a mass of yellow. Pkt., 10c; oz., 25c.

**EXCELSIOR BRANCHING.**—Has a single flower about 5 inches across producing a pyramid of bloom. Pkt., 5c.

**RAINBOW SUNFLOWER.**—Grows 5 to 8 feet, branching freely. Colors range in shades of red. Pkt., 10c.

## SWEET WILLIAMS

For Perennial Sweet William see page 45.

**ANNUAL.**—Blooms first year only. Pkt., 10c.

## VERBENA

Deservedly a universal favorite. A constant bloomer and if grown from seed has a sweet fragrance. Splendid for beds of mixed colors.

**MAMMOTH BLUE.**—Beautiful colors, largest flowers and largest truss which often measures 9 inches in circumference, single florets as large as a twenty-five cent piece; very vigorous. Pkt., 10c; ¼ oz., 50c; oz., \$1.75.

**MAMMOTH WHITE.**—Large trusses of pure white flowers. Pkt., 10c; ¼ oz., 40c; oz., \$1.50.

**MAMMOTH RED.**—A true scarlet, large and extra fine. Pkt., 10c; ¼ oz., 45c; oz., \$1.60.

**MAMMOTH PINK.**—Pink shades. Pkt., 10c; ¼ oz., 40c; oz., \$1.50.

**MAMMOTH PURPLE.**—Shades of violet and purple. Pkt., 10c; ¼ oz., 40c; oz., \$1.50.

**MAMMOTH MIXED.**—From the finest foreign collection of mammoth named sort. Pkt., 10c; ¼ oz., 35c; oz., \$1.00.

## BANNER VERBENA COLLECTION

**Red, White and Blue.**—One packet each of our national colors of seed from mammoth types. **Banner Collection**, 25c, postpaid.

## ZINNIA

Strong growing, hardy and elegant plants, colors are bright and varied and range from pure white to purplish crimson. Offered by some as Dahlia flowered Zinnias.

**ROBUSTA GRANDIFLORA.**—Strong growth and large flowers. Grows 3 ft. high and produces flowers 5 in. across. Mixed colors. Pkt., 10c; ¼ oz., 35c; oz., \$1.00.

**Robusta White.**—Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

**Robusta Yellow.**—Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

**Robusta Orange.**—Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

**Robusta Pink.**—Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

**Robusta Red.**—Pkt., 10c; ¼ oz., 60c; oz., \$2.00.

**Robusta Purple.**—Pkt., 10c; ¼ oz., 60c; oz., \$2.00.

**SPLENDOR MIXED.**—This splendid strain of Zinnia is grown by us with special care. The finest colors and blooms and plants. Pkt., 5c; ¼ oz., 35c; oz., \$1.00.

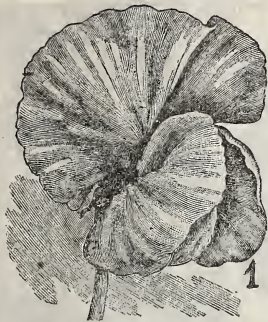
**PIGMY OR LILIPUT.**—Plants are small and of bushy growth, each one bearing scores of beautiful little blossoms. A fine border for Robusta type. Pkt., 10c; ¼ oz., 50c



ZINNIA



# SPENCER SWEET PEAS



The distinguishing characteristics of the type is the wavy, orchid-like appearance of the blossoms. They are strong, robust in growth, with extra large flowers of exquisite, delicious beauty. If you want sweet peas for cut flowers plant the Spencers. We offer only a few of the many varieties in existence, choosing those which have become fixed in form and color and which will reproduce without deviation. We offer you a beautiful display of varied colors.

**AMERICA.**—Ivory white with distinct stripes of bright crimson. Of the best Spencer type with three or four lovely large flowers on each stem. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25.

**BARBARA.**—Salmon color without markings or shading, and makes a remarkably attractive bouquet without any other color. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25.

**ELFRIDA PEARSON (No. 3)**—One of the largest flowers yet introduced. Color is pink, of a most lovely shade, we offer it as the best pink Spencer. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

**FIERY CROSS.**—The most unique color in sweet peas. The standard is bright orange scarlet while the wings are rich orange cherry shade, making a flower of flaming color. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.00.

**FLORENCE MORSE.**—Very delicate rose color, shaded a little darker pink at edges. One of the best; large, open, wavy flowers. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

**KING MANOEL.**—Finest type of Spencer form in size and manner of growth. Stems are long, strong, and carry 3 or 4 blossoms of deep, rich maroon. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.

**KING WHITE SPENCER.**—(No. 1)—One of the finest types of the Spencer class and the best white variety. Flowers deeply waved and curled. Color pure white. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb., \$1.00.

**PRIMROSE SPENCER.**—Undoubtedly the richest coloring and finest quality of primrose shade. Equally as finely waved as the other Spencers and of strong, robust character. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

**MASTERPIECE.**—(No. 4)—Color is soft, pleasing lavender with wings of French gray, making a dainty and lovely blossom. Combines loveliness with strength and vigor. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

**ROYAL PURPLE.**—(No. 2)—Color is so rich that it will astonish with its beauty. Warm rosy purple, younger flowers have a softer tone; flowers immense size. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25.

**SUNPROOF CRIMSON.**—A splendid crimson color and selected as the most vigorous variety of this shade. Will stand summer heat without fading or drooping. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

**WEDGEWOOD BLUE.**—(No. 5)—We give this preference among blue sorts because of its superiority. It is a beautiful lively blue in its entirety. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25.

**YOUTH.**—(No. 6)—A dainty flower of white with bright pink edge. A handful of this makes a bouquet of itself. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25.

**SPENCER MIXED.**—This is a choice mixture of the Spencer types and varieties. Contains many sorts not named in our list. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

## GRANDIFLORA SWEET PEAS

The sweet peas here offered are of the grandiflora class, and are grown for us by the best specialists in America. The stocks from which they are produced are not surpassed by any, and we know from the reported experience of our friends that the results from planting our sweet peas are most satisfactory. We offer what we know to be the cream of the list.

**IMPERIAL MIXED.**—Many of the best sorts carefully selected so as to get the proper proportion of each color in assortment. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**PERENNIAL SWEET PEAS.**—(Lathyrus.)—A very popular perennial variety. Mixed. Pkt. 10c, oz. 60c.

## Diversity Collection

13 Packets—13 Colors  
The most beautiful  
collection of sweet  
peas, \$1.00 Postpaid.

One packet of each  
of the choicest Spencers,  
as named and described  
here.

America

Barbara

Elfrida Pearson

Fiery Cross

Florence Morse

King Manoel

King White

Primrose Spencer

Masterpiece

Royal Purple

Sunproof Crimson

Wedgewood Blue

Youth

One packet of each

\$1.00

One ounce of each

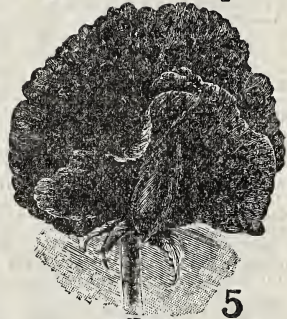
\$3.00.



3



4



5



6

OUR DIVERSITY COLLECTION OF SWEET PEAS WILL GIVE A WONDERFUL DISPLAY.





ADLUMIA



BALSAM APPLE (Momordica)



BALLOON VINE



CANARY BIRD FLOWER

## ORNAMENTAL VINES

Nothing adds more to homelike appearance of a place than the pleasant shade of vines over the porches, and climbers on trellises, trees, fences, and outbuildings.

**ADLUMIA CIRRHOSA.**—Resemble foliage of Maiden Hair Fern. Hardy biennial climber, growing readily from seed; blooms second year; pink and white flowers. Plant in a cool, moist place. Pkt., 10c;  $\frac{1}{4}$  oz., 75c.

**AMPELOPSIS VEITCHII, or Boston Ivy.**—The popular perennial vine used for covering brick and stone walls, to which it clings without support. Permanent and beautiful. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

**ARISTOLOCHIA (Dutchman's Pipe Vine.)**—Vigorous and rapid growing climber used extensively for archways or verandas. Singular brownish colored flowers, resembling in shape a pipe. The leaves are heart-shaped. Hardy perennial. Pkt., 10c;  $\frac{1}{4}$  oz., 50c.

**BALLOON VINE.**—A pretty, rapid growing climber, succeeding best in a warm situation. Flowers white, followed by balloon-like seed pods. Pkt., 5c; oz., 30c.

**BEANS—Scarlet Runner.**—A large bean, brown in color, producing brilliant scarlet flowers in racemes. Beans are edible, like limas. Pkt., 10c.

**BIGNONIA RADICANS.**—(Trumpet Creeper.)—Fine for any spot when showy flowers are desired. It has clusters of large, trumpet-shaped crimson flowers with orange throat. Hardy, perennial. Pkt., 10c.

**BITTER SWEET.**—A hardy native vine much prized for its beautiful orange seed pods for winter decoration in the home. Pkt., 10c,  $\frac{1}{4}$  oz., 50c.

**BRYANOPSIS.**—Yellow flowers, followed by pretty cherry-like green fruits which change to bright scarlet, marbled with white. Pkt., 10c; oz., 40c.

**CARDINAL CLIMBER.**—A hybrid of Cypress Vine and Morning Glory. Grows 15 to 20 feet high, bright cardinal flowers 1 to 1 $\frac{1}{2}$  inches in diameter. Of merit for porch and arbor uses. Pkt., 10c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.



BRYANOPSIS



CARDINAL CLIMBER



COBOEA SCANDENS



GOURDS

WE OFFER A VERY COMPLETE LIST OF VINES. (CONTINUED ON NEXT PAGE)

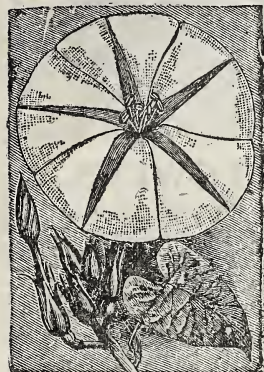


# MORNING GLORIES

**IMPERIAL JAPANESE.**—Remarkable for the large size and exquisite new colors of the flowers with magnificent foliage. Vines grow quickly to a height of 12 to 20 feet. Flowers are of gigantic size, sometimes measuring four or five inches across. Colors, shading and markings really wonders of nature. Pkt., 10c; oz., 25c.

**IMPROVED CLIMBING.**—A great improvement on the old climbing morning glory. Large size; great variety. Pkt., 5c; oz., 20c; ¼ lb., 60c.

**MOONFLOWER.**—White. (Ipomoea grandiflora.)—One of the grandest summer climbers, growing 25 to 40 feet high and covered nightly and dull days with beautiful flowers from 5 to 6 inches diameter. Fragrant. Pkt. of 5 seeds, 10c; oz., 50c. **Pink.**—5 seeds, 10c; oz., 50c. **Blue.**—



MOONFLOWER

In striking contrast to the true White Moonflower. Color exquisite, clear, satiny blue; well defined crimson bars. Pkt., 10c; oz., 50c.

**THUNBERGIA**—(Black Eyed Susan.)—A popular annual climber. Quick growing. Flowers in shades of yellow and white. Pkt. 10c, ¼ oz. 40c.

**WILD CUCUMBER.**—A well-known vine common in many sections, and the quickest climber known. Reaches height of 30 feet in one season. Pkt. 10c, oz. 40c.

**WISTARIA.**—One of the most popular hardy vines, climbing to a height of 50 feet or more. A perennial easily grown from seed. Color lilac blue. Pkt., 10c.



IMPERIAL JAPANESE MORNING GLORIES

# EVERLASTINGS

Very attractive for winter decoration. They are rich, brilliant colors, fine for dried bouquets. Cut when in full bloom, tie in small bunches and hang heads down in a warm, sunny place to dry.

**AMOBIMUM.**—*Alatum Grandiflora.*—A pretty everlasting, double white flower. A lasting flower for winter. Pkt., 5c.

**ACROCLINIUM.**—*Mixed Colors.*—Large, double, very delicate flowers. Colors white, pink and red. One of the best everlastings. Pkt., 5c; oz., 40c.

**GLOBE AMARANTH.**—(Gomphrena.)—*Mixed Colors.*—Popularly known as "Bachelor Buttons." Handsome, globular heads of flowers. Colors purple, white, flesh, orange and striped. Pkt., 5c, ¼ oz., 10c; oz., 30c.

**HELICHRYSUM.**—*Monster Mixed.*—A very pretty and popular hardy annual bearing large double flowers of different colors. Commonly known as "straw flowers." Pkt., 5c; ¼ oz., 20c; oz., 60c.

**JOB'S TEARS.**—An ornamental grass known botanically as *Coix Lachryma*. Produces beautiful seeds about ¼ inch in diameter; used for fancy work. This seed is for planting. Pkt., 5c; oz., 15c.

**PENNISTEUM.**—*Rueppellanum.*—Commonly called Purple Fountain Grass. Popular for borders to beds of cannas and large bedding plants. Pkt., 10c.

**RHODANTHE.**—*Mixed Colors.*—For winter bouquets blossoms should be gathered before fully expanded; if dried, retain brilliancy for years. Pkt., 10c.

**STATICE.**—*Sinuata.*—(Russian Statice). Mixed colors of lavender, rose, yellow and white. Grows tall with long spikes of lovely flowers which may be dried for winter bouquets. Pkt., 10c; ¼ oz., 20c.

**STATICE.**—(Sea Lavender).—See page 45.

**XERANTHEMUM.**—Free flowering and easily grown, making a handsome bed and attractive for winter decoration. All kinds mixed. Pkt., 10c.



ACROCLINIUM, FINEST MIXED



MONSTER HELICHRYSUM



WILD CUCUMBER



GLOBE AMARANTH.





ACHILLEA



ANCHUSA, CAPENSIS



AQUILEGIA

## SEEDS OF HARDY PERENNIAL FLOWERS

### ALYSSUM

**SAXTILE COMPACTUM.**—A fine plant for rockeries or for borders, growing about 12 inches high; bright yellow flowers in masses. Pkt., 10c.

### ARABIS

**ALPINA.**—Among the earliest blooming plants; very useful for rockwork, edgings, carpet bedding, etc. Flower pure white; plant 9 in. high, hardy perennial. Pkt., 10c.

### ANCHUSA

**ITALICA DROPMORE.**—A perennial growing three to five feet high with flowers of rich bright blue, borne abundantly. Pkt., 10c; ¼ oz., 40c.

**CAPENSIS.**—Cape Forget-Me-Not.—Not strictly a perennial but a hardy self-seeding annual. Larger flowers than the common Forget-Me-Not and grow about 18 inches high. Pkt., 10c; ¼ oz., 25c.

### AGATHEA

**BLUE DAISY.**—Also called Blue Marguerite. A perennial, which should have winter protection. Grows about 18 inches high, bearing abun-

dantly, sky blue flowers on stiff stems. Pkt., 10c; ¼ oz., 75c.

### ACONITUM

**(Monkshood.)**—Handsome, bold spikes of hood-shaped flowers, effective in flower borders and shrubberies, are not planted in or near the kitchen garden. Roots are poisonous and might accidentally be used for food. Pkt., 10c.

### ACHILLEA

**THE PEARL.**—Finest of all plants for cemetery planting. The flowers are good sized, forming a beautiful plant 18 inches high, completely covered with pure white flowers from July until frost. Pkt., 10c.

### AQUILEGIA

**(Columbine)**—Deservedly popular, and bloom profusely through spring into early summer. Hardy perennial.

### LONG SPURRED HYBRIDS.

—A much more robust species than the ordinary kinds. Colors show wide variations and beauty. Splendid, showy, lasting flowers. Pkt., 15c.

### AGROSTEMMA

A hardy plant introduced from Russia; pink-like blossoms on long, slender stems. Suitable for border plants; fine for bouquets or cemetery. Mixed colors. Pkt., 5c.

### ANTHEMIS

**HARDY MARGUERITE.**—**(Kelwayii.)** Grows about two feet high, bright yellow flowers of daisy form. Fine for cutting and blooms all summer. Hardy perennial. Pkt., 10c; ¼ oz., \$1.00.

### ARMERIA

**SEA PINK OR THRIFT.**—**(Formosa.)** A fine perennial bearing rosy pink flowers on stems a foot long, which stand up and retain their beauty a long time when cut. Pkt., 10c; ¼ oz., 75c.

### AUBRETIA

**RAINBOW ROCK CRESS.**—A beautiful dwarf rock plant covered with sheets of bright flowers in spring and early summer. Large flowered. Pkt., 10c; ¼ oz., \$1.00.



ANCHUSA, ITALICA DROPMORE



AGATHA BLUE DAISY



ARABIS, ALPINA

YOU CAN PLANT SEEDS OF PERENNIALS ANY TIME DURING THE SUMMER





**BIDENS  
ASTER**

(*Michaelmas Daisy*).—These fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses of brightly colored blossoms up to November. To cut for vases, decoration, etc., they provide an inexhaustible supply. Pkt., 10c.

**BIDENS**

(*Black Dahlia or Cosmos*).—The plants grow 2½ feet high, producing abundance of crimson-maroon colored flowers of velvety texture about 4 inches in diameter. Fine cut flowers. Pkt., 10c.

**BOLTONIA**

**FALSE CHAMOMILE.**—A native hardy perennial growing four to six feet high, bearing massive heads of pink and white flowers. Blooms from July to September. Pkt., 10c; ¼ oz., \$1.50.

**BUDDLEI**

**BUTTERFLY SHRUB.**—Lilac-colored flowers blooming in midsummer, and sometimes called "summer lilac." A very desirable plant for backgrounds. Pkt., 10c; ¼ oz., 75c.

**BOCCONIA**

**PLUME POPPY.**—Grows two to three feet, and is very



**BOCCONIA, CORDATA**



**CALLIOPSIS**

effective singly or in groups. Flowers cream colored on long spikes. Hardy perennial. Pkt., 10c; ¼ oz., 30c.

**CALLIOPSIS**

**LANCEOLATA.**—New Golden Coreopsis.—One of the most showy hardy perennials grown, forming tall plants 2 or 3 feet high, and bearing in great profusion for a long period large flowers of bright golden yellow. Unequaled for cutting. Grows anywhere. Pkt., 10c; ¼ oz., 25c; oz., 75c.

**CANDYTUFT**

(*Iberis Semperflorens*).—A dwarf plant producing clusters of handsome white flowers. One of the finest perennial plants for mass bedding. A mat of bloom in spring. Pkt., 10c; ¼ oz., \$3.00.

**CHINESE LANTERN PLANT**

(*Physalis*).—Very showy, growing about 18 inches high; bears large, red, cherry-like fruits, each enclosed in enormous balloon-like, semitransparent calyx, about 3 inches long, at first green, changing to yellow, then orange, and then crimson. Better on rather poor soil. Pkt., 10c.

**CAMPANULA**

**CARPATICA.**—(*Harebell*).—A beautiful perennial bell-



**CHINESE LANTERN PLANT**



**CANTERBURY BELLS**

flower, rather dwarf, with bright blue flowers. Sow early in light, rich soil for first year blooms. Pkt., 10c; ¼ oz., 50c.

**PERSICIFOLIA.**—(*Peach-bell*).—Grows two to three feet with large blue flowers. One of the best hardy bell-flowers. Pkt., 10c; ¼ oz., \$1.00.

**CYNOGLOSSUM**

**AMABILE.**—(*Chinese Forget-Me-Not*).—A lovely plant 18 to 24 inches high with lovely blue flowers. It is splendid for cut flowers. Pkt., 10c; ¼ oz., 60c.

**CENTAUREA**

**MONTANA.**—(*Perennial Cornflower*).—Hardy perennial variety of Centaurea, growing two feet high, with large violet-blue flowers during summer. Pkt., 10c; ¼ oz., 40c.

**CERASTIUM**

**TOMENTOSUM.**—(*Snow in Summer*).—A low growing perennial with white foliage and small white flowers. For permanent borders or edgings. Pkt., 10c; ¼ oz., \$1.00.

**CANTERBURY BELLS**

These are wonderfully fine perennials, which if well grown will often reach 3 feet in height. Color of flowers blue, rose or white. Double and single mixed colors. Pkt., 10c; ¼ oz., \$1.00.



**BOLTONIA, GLASTIFOLIA**

**PERENNIALS ARE POPULAR AS THEY GIVE MOST BLOOMS FOR THE LEAST CARE**





DELPHINIUM



FOXGLOVE

### FOXGLOVE

A showy perennial now planted extensively for permanent backgrounds, borders and clump effects. Splendid for harmonizing with plantings of shrubs and thrives in any ordinary garden soil.

**NEW SHIRLEY.**—A greatly improved strain growing 4 to 5 feet high, producing long spikes of very large flowers. The newest and best Foxglove. Pkt., 10c;  $\frac{1}{4}$  oz., 75c.

**MIXED COLORS.**—The common sorts in mixture to produce a wide range of colors. Pkt., 5c.

### DELPHINIUM OR HARDY LARKSPUR

Few plants are so handsome in the garden as these perennial Larkspurs. There are many species in cultivation but the most important are the tall hybrids of which we hold a large and up-to-date assortment including the very newest.

**BELLADONNA.**—Light blue. Long spikes, striking in appearance. A general favorite. Pkt., 10c;  $\frac{1}{4}$  oz., \$2.00.

**BELLAMOSUM.**—Dark blue. Use this with Belladonna for contrast. Pkt., 10c;  $\frac{1}{4}$  oz., \$2.00.

**CARDINAL.**—Scarlet. To afford the range of color so desirable in mixed beds or borders. Pkt., 10c;  $\frac{1}{4}$  oz., \$2.00.

**GOLD MEDAL HYBRIDS.**—A splendid strain. Immense spikes with large flowers. Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., \$2.00.

### DAISY

**BEST DOUBLE MIXED.**—Low growing; for massed beds or borders. Known as English Daisies. Perennial. Pkt., 10c.

### EUPATORIUM

**HARDY AGERATUM.**—Thoroughwort.—Grow strong and upright two to three feet. Flowers resemble the annual ageratum, but the plant is a hardy perennial.

**PURPUREA.**—Violet. Pkt., 10c.  
**AGERATOIDES.**—White. Pkt., 10c.

### GAILARDIA

Blanket Flower. Exceedingly beautiful, making very showy plants, 1 to 2 feet high. Grown in mass are especially effective.

**GRANDIFLORA.**—A splendid new perennial variety, with very large flowers, dark crimson centers, marked with rings of many brilliant colors. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

### GEUM

**COCCINEUM PLENUM (Avens).**— $1\frac{1}{2}$  ft.; flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer. Pkt., 10c.

### GRASS PINKS

(*Dianthus Plumaris*).—The hardy and pretty clove-scented flowers so much loved by our grandmothers. Their fragrance quickly noticed in passing yards where grown. Colors range from pure white to dark pink, mostly a clear, delicate pink. A hardy perennial, fine for borders. Mixed. Pkt., 5c;  $\frac{1}{4}$  oz., 20c.

### GYPSOPHILA

**PANICULATA.**—The perennial "Baby's Breath" which bears very small white flowers in clusters on long stems. Very graceful and useful in bouquets as it harmonizes with all the summer flowers. Easily grown from seed and can remain undisturbed for a number of years. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

### HELIANTHUS

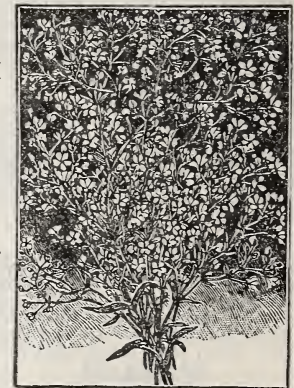
**MULTIFLORUS PLENUS.**—Hardy sunflower. Flowers from 2 to 4 inches in diameter, double as many double dahlia and cover the plant. Color a bright golden yellow. Give it a sunny position and a rich soil. Pkt., 10c;  $\frac{1}{4}$  oz., 50c.

### HIBISCUS

**MARVEL MALLOW.**—Extremely large flowers on shrub-like plants four to six feet. Bright shades of white, yellow, pink and red. A great improvement of the common type of marshmallow. Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 30c.



GRASS PINKS



GYPSOPHILA, PANICULATA



HIBISCUS





HOLLYHOCKS



HELENIUM

**HELENIUM**

**AUTUMNALE.**—(Sneezewort.)—Thrives in any good soil, grows 4 to 5 feet tall, and produces an abundance of bronzy yellow flowers in late summer. Hardy and keeps a long time when cut. Pkt., 10c;  $\frac{1}{4}$  oz., \$1.

**HOLLYHOCKS**

No garden flower is more showy or admired. Start seeds in a box in the house in February or March; about May 1st transfer to a permanent place.

**CHATER'S PRIZE DOUBLE MIXED.**—Magnificent double flowers 3 to 4 inches across, of the brightest colors; flowers quite as beautiful and perfect as those of the camelia, massed completely around spikes. Mixture of all colors and shades. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

We can also supply double hollyhocks in separate colors; white, pink, yellow, scarlet, maroon. Pkt., any color, 10c.

**SINGLE MIXED.**—Preferred by many to double sorts. Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 30c.

**HESPERIS**

**MATRONALIS** — (Sweet Rocket).—One of the sweetest scented flowers. Grow 2 to 3 feet, bearing purple flowers from June to August. Plant in April to bloom first season. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

**HONESTY**

(*Lunaria Biennies.*)—Hardy biennial, thriving almost anywhere; especially useful in shady, damp places; the flowers of purple, crimson or white are followed by silvery transparent seed pods; prized for winter bouquets; height 2 feet. Mixed colors. Pkt., 10c.

**LILIUM REGALE**

**REGAL LILY.**—The new hardy lily from China, which is perfectly hardy, and can be established as a part of the permanent garden. Large blossoms of white, with shades of pink and yellow. Very lovely. Pkt. 25 seeds, 10c; 100, 25c.

**LINUM**

**PERENNE.**—A variety of perennial flax with graceful foliage and bearing flowers of light blue. Very attractive. Pkt., 10c;  $\frac{1}{4}$  oz., 30c.

**LUPINUS**

Extremely decorative in the garden and valuable for cutting. Some are tall while others are dwarf; attractive.

**PERENNIAL MIXED.**—Free flowering, succeeding in any good garden soil and blooming in May and June; 3 feet high. Mixed, a great variety of colors. Pkt., 10c; oz., 30c.

**LYCHNIS**

**CHALCEDONICA.**—(Firefly.)—An old favorite, bearing large heads of bright scarlet flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 50c.

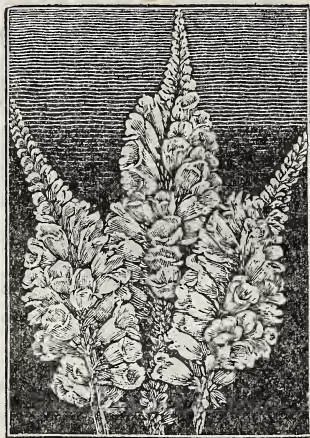
**HAAGEANA.**—(Maltese Cross.)—More dwarf than above, but produce fine orange scarlet flowers. Pkt., 10c;  $\frac{1}{4}$  oz., \$1.50.

**PHYSOSTEGIA**

**VIRGINIA ALBA.**—(False Dragon head.)—Pure white; very fine, forming dense bushes 3 to 4 feet high, bearing spikes of delicate tubular flowers not unlike a gigantic heather. Pkt., 10c;  $\frac{1}{4}$  oz., \$1.50.

**PLATYCODON (Wahlenbergia)**

A bushy, herbaceous plant 2 to 3 feet, with handsome, deep green foliage. It blooms very profusely and continuously all summer if flowers are removed as soon as they begin to fade. Flowers are of large size, being  $2\frac{1}{2}$  to 3 inches in diameter, and the various shades of blue, lavender and white. The plants increase in size from year to year. Pkt., 10c.



PHYSOSTEGIA



LUPINUS



PLATYCODON, MARIESI



**PERENNIAL POPPIES**

**ORIENTAL HYBRIDS.**—For brilliancy of color nothing to equal these Oriental Poppies. The flowers are of enormous size, often measuring over 6 inches in diameter, colors range from soft flesh and rose to the most brilliant dazzling scarlet and richest maroon purple. Perfect hardy perennials, which need but little protection, increasing in size and beauty every year. Pkt., 10c.

**BRILLIANT.**—Bright scarlet color, extremely showy. Pkt., 10c.

**PRINCESS LOUISE.**—Salmon or orange. A lighter shade to contrast with the darker sorts. Pkt., 10c.

**ICELAND.**—Flowers the first year from seed. Colors from purest white to deepest orange scarlet; very fragrant. Pkt., 10c.

**SUNBEAM HYBRIDS.**—A new and improved strain surpassing the older type of Iceland poppies in size and beauty. Pkt., 10c.



PYRETHRUM

**PYRETHRUM**

**ROSEUM HYBRIDUM.**—(Painted Daisies.) The new creations in these show a wide range of beauty in colors. Large, daisy-formed flowers on strong stems, excellent for cutting. Shades of yellow, pink and red petals with yellow center. Pkt., 10c; ¼ oz., \$1.00.

**ATROSANGUINEUM.**—A mixture of red shades only but the range is from bright pink to deep blood red. Splendid for cut flowers, lasting a long time. Pkt., 10c.

**GOLDEN FEATHER.**—Grown in ribbon beds and borders for its beautiful golden yellow foliage which contrasts so brightly with the green of other plants. Pkt., 10c; ¼ oz., 35c.

**SCABIOSA**

**CAUCASICA.**—(Blue Bonnet.) A very fine perennial variety of scabiosa growing 2 to 3 feet with lavender flowers which are splendid in bouquets as they last a long while after cutting. Pkt., 10c.

**SIDALCEA**

**ROSE QUEEN.**—Erect branching habit, producing bright pink flowers in June and July. Grow two to three feet and are very lovely. Pkt., 10c.



POPPY, ORIENTAL PERENNIAL HYBRIDS.

**PERENNIAL PHLOX**

**DECUSSATA.**—Seeds of many varieties and colors of the perennial phlox in mixture. Bloom the second year from seed and you can secure a wide range of color by sowing seed. Sow in good soil and you can transplant them as desired. Pkt., 10c; ¼ oz., \$1.00.

**PENTSTEMON**

**FINEST MIXED.**—Hardy perennial; sown early they will bloom first year. Of graceful growth with many spikes of Gloxinia-like flowers 2 inches across; of crimson, white, rose, purple, etc., beautifully edged and marked; blooms June to October. Give rich soil and good culture. Pkt., 10c.

**RUBBECKIA**

**PURPUREA.**—(Giant Purple Coneflower.) A fine perennial 2 to 3 feet high, with reddish purple flowers in shape like a single sunflower. Pkt., 10c; ¼ oz., \$1.00.

**NEWMANIL.**—Center cone is dark brown, petals orange yellow shading to brown at the cone. A very bright flower produced on stalks 2 to 3 feet tall. Pkt., 10c; ¼ oz., \$1.00.



PERENNIAL PHLOX

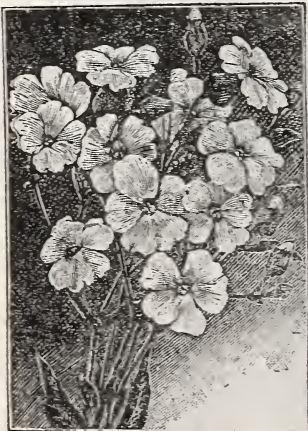
**SAPONARIA**

**OCYMOIDES.**—Dwarf growing perennial variety used for rockeries and edgings. Nine to 10 inches high. In bloom from June to August with bright red, showy flowers in profusion. Pkt., 10c; ¼ oz., 35c.

**SHASTA DAISY**

**ALASKA.**—A perennial, blooming better and more abundant each season. Flowers about 4 inches in diameter, with three or more rows of white petals on single stiff wiry stems nearly 2 feet long. Pkt., 10c; ¼ oz., 60c.

**KING EDWARD VII.**—A variety of the hardy chrysanthemum, also known as "Shasta Daisies" and "Moonpenny Daisies." The flowers are pure white, as large as the Alaska Shasta and are born in profusion. Pkt., 10c; ¼ oz., 40c.



SAPONARIA



THE SHASTA DAISY





STATICE  
SALVIA

**AZUREA GRANDIFLORA.**—A perennial Salvia growing two and a half feet tall, with flowers of bright blue. Its stately habit makes it a fine show late in the fall. Pkt., 10c; ¼ oz., \$1.50.

**SWEET WILLIAM**

Well known, free blooming, hardy perennial plants which produce masses of lovely, brilliant, sweet-scented flowers through a long period, making a splendid effect in beds. One foot high. Flowers borne on heads or umbels with individual flowers nearly an inch across. Colors white, pink, crimson, purple, etc., with rich markings. Pkt., 10c; ¼ oz., 40c.

**WALLFLOWER**

Greatly prized for their exquisite fragrance. Grow in long, brilliant colored spikes of flowers. Plants removed to pots in autumn will produce abundance of delightfully fragrant flowers of many colors.

**DOUBLE VARIETIES MIXED.**—Pkt., 10c; ¼ oz., 30c.



**STATICE**

**LATIFOLIA.**—(Sea Lavender)—Much used in dried state for winter bouquet work. Grows readily from seed. Illustration shows form as used for bouquets and decoration. Listed also among everlasting. Pkt., 10c; ¼ oz., 50c.

**STOCKS**

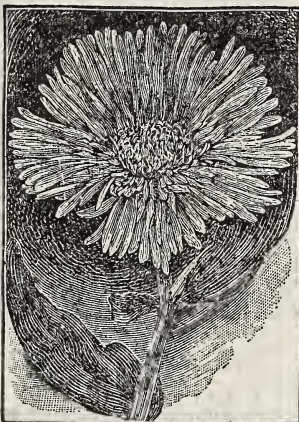
**DOUBLE MIXED.**—This is the cut-and-come-again type, growing 2 feet tall, in a wide range of color. Blooms in long spikes, ten to twelve weeks after sowing. Pkt., 10c; ¼ oz., 75c.

**SPERGULA**

**PILIFERA.**—A low growing evergreen plant for rockeries. Grown as a carpet covering of green. Pkt., 25c.

**STOKESIA**

Beautiful plant known as Cornflower Aster; blooms from July to October; blossoms look like Centaurea; beautiful blue lavender color. Splendid for bouquets, lasting a long time. Pkt., 10c.



STOKESIA, CYANEA MIXED

**TRITOMA**

Also called Red Hot Poker, Flame Flower and Torch Lily. We offer seed of a new strain of perpetual flowering hybrids which are perennials easily raised from seed, and some of which will bloom the first year. Produce brilliant scarlet heads of bloom on long stalks, 3 feet tall. Pkt., 10c; ¼ oz., \$1.00.

**ROCKERY PLANTS**

There are a number of plants suitable for rockery work in our perennial list and we call attention to them here so you will not overlook them. You will find description and prices where listed.

- Alyssum ..... Page 40
- Arabis ..... Page 40
- Aubretia ..... Page 40
- Campanula ..... Page 41
- Cerastium ..... Page 41
- Saponaria ..... Page 44
- Sidelcea ..... Page 44
- Spergula ..... Page 45



PERPETUAL WHITE STOCKS

**VERONICA**

**(Speedwell.)**—A hardy border plant about 18 to 20 inches high, with long spikes of bright blue flowers in June and July. Pkt., 10c; ¼ oz., \$1.00.

**VIOLA CORNUTA**

**(TUFTED PANSIES)**

Very lovely flowers formed like common pansies but not so large. Give partial shade and protection from summer heat and they will continue in bloom until frost.

**ADMIRATION.**—Deep dark blue. Pkt., 10c; ¼ oz., \$1.25.

**BLACK PRINCE.**—Velvety black. Pkt., 10c; ¼ oz., \$1.25.

**LUTEA SPLENDENS.**—Bright yellow. Pkt., 10c; ¼ oz., \$1.00.

**MAUVE QUEEN.**—Mauve or lavender. Pkt. 10c, ¼ oz. \$1.25.

**PERFECTION BLUE.**—Sky blue. Pkt., 10c; ¼ oz., \$1.25.

**ROSEA.**—New bright pink. Pkt., 10c; ¼ oz., \$1.50.

**THURINGIA.**—Dark blue with white eye. Pkt., 10c; ¼ oz., \$1.50.

**MIXED VARIETIES.**—The above and other sorts in mixture. We think it the best mixture offered. Pkt., 10c; ¼ oz., \$1.25.



VIOLA CORNUTA



# HARDY PERENNIAL PLANTS

Customers are learning that these require less care and are more satisfactory with ordinary culture than most other classes of plants. When once set out they bloom year after year, the flowers really becoming better as the plants grow older. These are all hardy, the tops dying down every winter, but coming up again in the spring. We prepay the postage.

For descriptions see our seed catalogue. Pages 40 to 45.

**ACHILLEA**—The Pearl.—Each, 25c; 3 for 60c.  
**ACONITUM**—The Monkshood.—Each, 30c; 3 for 75c.  
**ALYSSUM**—Saxifile Compactum.—Each, 25c; 3 for 60c.  
**ANCHUSA**—Italica Dropmore.—Each, 25c; 3 for 60c.  
**ANTHEMIS**—Hardy Marguerite.—Each, 25c; 3 for 60c.  
**AQUILEGIA**—Columbine.—Each, 20c; 3 for 50c.  
**ARABIS ALPINA**—Rockwort.—Each, 25c; 3 for 60c.  
**ARMERIA**—Sea Pink or Thrift.—Each, 25c; 3 for 60c.  
**ASTER**—Michaelmas Daisy.—Each, 25c; 3 for 60c.  
**BLEEDING HEART**—Dieetra.—Each, \$1.00; 3 for \$2.50.  
**BOCCONIA**—Plume Poppy.—Each, 25c; 3 for 60c.  
**BOLTONIA**—False Chamomile.—Each, 20c; 3 for 50c.



BLEEDING HEART



GAILLARDIA GRANDIFLORA



HOLLYHOCKS

**CAMPANULA** — Carpatia.—25c; 3 for 60c.  
**CAMPANULA** — Persicifolia.—30c; 3 for 75c.  
**CANTERBURY BELLS**.—Each, 25c; 3 for 60c.  
**CENTAUREA** — Montana.—20c; 3 for 50c.  
**CERASTIUM**—Snow in Summer.—25c; 3 for 60c.  
**CHRYSANTHEMUM**.—Any color. 25c; 3 for 60c.  
**CHINESE LANTERN PLANT**.—20c; 3 for 50c.  
**COREOPSIS**—Lanceolata.—20c; 3 for 50c.  
**DAISY** — Shasta. — Each, 20c; 3 for 50c.  
**DAISY**—English Double.—20c; 3 for 50c.  
**DAY LILY**—Funkia.—Each, 30c; 3 for 75c.  
**DELPHINIUM**—Hybrids.—20c; 3 for 50c.  
**DELPHINIUM**—Belladonna.—25c; 3 for 60c.  
**DELPHINIUM**—Bellamosum.—25c; 3 for 60c.  
**DIGITALIS**—Foxglove.—Each, 30c; 3 for 75c.  
**EUPATORIUM**—Ageratum.—30c; 3 for 75c.  
**GAILLARDIA**—Grandiflora.—Each, 20c; 3 for 50c.

**GEUM** — Atrosanguineum.—40c; 3 for \$1.  
**GOLDEN GLOW**—Rudbeckia Laciniata.—Illustrated on page 48. Each, 20c; 3 for 50c.

**GRASS PINKS** — Plumaris.—20c; 3 for 50c.  
**GRASS PINKS** — Alwoodii.—25c; 3 for 60c.  
**GYSOPHILA**—Baby's Breath.—20c; 3 for 50c.  
**HELENIUM** — Sneezewort.—20c; 3 for 50c.  
**HELIANTHUS**—Hardy Sunflower.—Each, 25c; 3 for 60c.

**HESPERIS** — Sweet Rocket.—20c; 3 for 50c.

**HEMEROCALIS** — Orange Lily.—Each, 25c; 3 for 60c.

**HIBISCUS**—Rose Mallow.—20c; 3 for 50c.

**HOLLYHOCK** — Your choice of color.—Each, 20c; 3 for 50c.

**IBERIS**—Perennial Candytuft.—Each, 25c; 3 for 60c.



CANTERBURY BELLS



CEREOPSIS LANCEOLATA



HYBRID DELPHINUMS

PERENNIALS ARE A SOURCE OF MUCH PLEASURE WITHOUT GREAT EXPENSE



# PEONIES

## WHITE PEONIES



**FESTIVA MAXIMA.**—By far the finest double white peony grown. The flower is of immense size, perfectly globular. Appears extremely double. Color purest snow white with carmine marks in center. Each, 50c; doz., \$5.00.

**COURONNE D'OR.**—Peculiar in form, as the blooms are rather flat, but in the center is a touch of white, with a few crimson splashes like Festiva Maxima. Medium height, rather later than other white sorts. Vigorous. Each, 60c.

**MADAME CROUSSE.**—Very double and compact; color flesh white, white center, petals lightly spotted with red. A half dozen make a magnificent bed. Each, 50c; doz., \$5.00.

**CLARA BARTON.**—Lovely pure white flowers. Early bloomer. Prolific, bearing flowers in clusters. Each, 50c; doz., \$5.00.

**GRANDIFLORA NIVEA PLENA.**—A rare and magnificent variety; flowers are enormous, opening a light blush pink, changing to white. Very early bloomer. Scarce. Each, 75c; doz., \$7.50.

## PINK AND ROSE PEONIES

**EDLIS SUPERBA.**—This is a very large, full flower of light pink. Popular because of its strong growth. Each, 50c; doz., \$5.00.

**FLORAL TREASURE.**—Is a very large, full flower; clear even pink with center bright rose. A most striking variety with abundance of extra large flowers. Each, 50c; doz., \$5.00.

**DUCHESS D'ORLEANS.**—Medium large compact flower. Guards are deep pink, center shaded salmon, with silvery reflex. Fragrant. Extra strong. Each, 60c; doz., \$6.00.

**JEANNE D'ARC.**—One of the finest in the entire list. Flowers extra large and very double; exceedingly prolific; color soft, delicate blush pink. Each, 60c; doz., \$6.00.

**MEISSONIER.**—Color of the American Beauty Rose. An especially choice sort. Foliage rich, glossy green. Flower is of large size, perfectly double. Each, 50c.

## BRIGHT AND DARK RED PEONIES

**RUBRA SUPERBA.**—Has extra large balls of blood red, magnificent flowers. Probably the largest red variety in existence. Give it rich soil. Each, 75c; doz., \$7.50.

**EDWARD ANDRE.**—Deep purplish crimson, shining and satiny. Flower semidouble, rich and striking; early. Splendid sort for contrast. Each, 60c; doz., \$6.00.

**MARSHALL VALIANT.**—Double flower of bright red, differing from most in having practically no division of outer petals and center. Late flowering. Each, 75c; doz., \$7.00.

**AUGUST VILLAUME.**—Enormous round blooms with extra large petals. Rich violet rose color. Very fragrant. Late. Each, 50c; doz., \$5.00.

## FRENCH IRIS

The true "Fleur-de-Lis," the national flower of France. Perfectly hardy, thrive anywhere, grow and bloom luxuriantly. We price them at 15 cents each or \$1.50 per dozen, except as noted.

**CANDLABRA.**—Standards silvery mauve. Falls rich royal purple. A combination that is unexcelled. New and fine. Each, 25c; doz., \$2.50.

**CHERION.**—Standards smoky lavender. Falls violet, with a smoky tinge and veined white. Medium tall and unique in color.

**CRIMSON KING.**—Standards and falls a rich claret purple. A large flower with a strong stem.

**DR. BERNICE.**—Standards cloudy lavender. Falls fine velvety maroon. One of the best.

**ELDORADO.**—Standards light lavender. Falls dark purple, lined with bright golden yellow.

**GAGUS.**—Standards bright golden yellow. Falls chestnut brown reticulated white. Early.

**GERTRUDE.**—Standards and falls of a rare and beautiful violet blue. A large flower.

**HARLEQUIN.**—Standards white, flecked and splashed with light violet. Falls rich violet reticulate with white.

**LUTE.**—Standards light blue. Falls dark purple, both being large and round. The earliest one to bloom we have in this class of Iris.

**MADAM CHEREAU.**—Standards and falls pure white, with a border laced and frilled light blue.

**PERFECTION.**—Standards blue. Falls dark velvety purple with a black reflex. A remarkable Iris. Each, 25c; doz., \$2.50.

**PRINCESS VICTORIA LOUISE.**—Standards pure sulphur yellow. Falls deep rich plum, bordered with a cream colored margin.

## SUCCESSION IRIS BED

One plant each of 12 named sorts of French Iris, giving a contrast of color, postpaid for \$1.50.



FRENCH IRIS

GIVE YOUR ORDERS EARLY. GET THE STOCK PLANTED IN APRIL IF POSSIBLE



**LILY OF THE VALLEY.**—Well known, quite popular. Grows anywhere. Blooms early in spring. Doz., 50c.

**LINUM—Perennial Flax.**—Desirable for border or rockery. Large blue flowers in July. Each 20c; 3 for 50c.

**LUPINUS (Lupine).**—Tall growing, effective plants with long spikes of flowers. Illustrated on page 43. Thrive in partial shade and good soil. Each, 25c; 3 for 60c.

**LYCHNIS (Campion).**—Easily grown, brilliant orange flowers, growing two to three feet high. Popular with all lovers of hardy plants. Each, 25c; 3 for 60c.

**ORIENTAL POPPY.**—Wonderful, large, brilliant red flowers, on tall stems three feet high. Bloom in June and July and are striking in their beauty. Each, 30c; 3 for 75c.

**PENTSTEMON (Beard Tongue).**—In bloom all summer. A useful and showy flower. Further description on page 44. Each, 25c; 3 for 60c.

**PHYSOSTEGIA (False Dragon Head).**—Tall growing, dense bushes, four feet high. Illustrated on page 45. Bloom in midsummer. Each, 25c; 3 for 60c.

**PLATYCODON (Wahlenbergia).**—Also known as Japanese Bell Flower. Grows in bush form two feet high, with large blue and white flowers throughout the late summer and fall. Each, 25c; 3 for 60c.

**PYRETHRUM (Painted Daisy).**—A general favorite. Lovely shades of color on long stems, with fine attractive foliage. Retain their beauty a long time as cut flowers. Each, 25c; 3 for 60c.

### HARDY PHLOX

Each, 25c; Dozen, \$2.50.

**ALBION.**—White with red eye. **F. A. BUCHNER.**—Large pure white. **CHAMPS ELYSEE.**—Rosy magenta. **ECLAIREUR.**—Bright rich carmine. **LORD RALEIGH.**—Purple. **MICHAEL BUCHNER.**—Pale lavender. **PANTHEON.**—Clear deep pink. **SIEBOLD.**—Orange scarlet, red eye. **R. P. STRUTHERS.**—Cherry, purple eye. **RHINELANDER.**—Salmon, purple eye. **TERRA NEUVA.**—Lavender, light eye. **THOR.**—Deep salmon pink.



ORIENTAL POPPY



GOLDEN GLOW (RUBBECKIA)



YUCCA FILAMENTOSA.

## HARDY PHLOX OFFER

One each of the twelve varieties listed above postpaid for only \$2.50.



HARDY PHLOX

**RUBBECKIA—Cone Flower.**—Yellow petals with brown center. Bloom in August. Each 20c; 3 for 50c.

**RUBBECKIA (Golden Glow).**—One of the most popular perennials. Bright yellow, dahlia-like flowers on tall stems. Grow four to six feet and are fine for screens, borders or clump effects. Good soil and a little cultivation produce wonderful plants. Each 25c; 3 for 60c.

**SALVIA (Meadow Sage).**—The blue flowered perennial Salvia, growing two to three feet high and in bloom from July to frost. Each 30c; 3 for 75c.

**SCABIOSA (Blue Bonnet).**—A most desirable perennial. The flowers of soft lavender color are in bloom all summer and are much prized for cut flowers. Each 30c; 3 for 75c.

**SPIREA (Anthony Waterer).**—Grows in shrub form, bearing spikes of bright crimson flowers. Each, 50c.

**SPIREA (Billardi).**—Similar to above variety, with pink flower spikes in plume formation. Each, 50c.

**SPIREA (Thunbergia).**—Grows compact with fine foliage and bears small white flowers in May. Each, 50c.

**SEDUM—Dwarf Stone Crop.**—Popular perennial. Blooms in July. Fine for rockeries. Each, 20c; 3 for 50c.

**STATICE—Latifolia.**—(Thrift.) Ready in August. Illustrated on page 45. Each 30c; 3 for 75c.

**STOKESIA—Cornflower Aster.**—Illustrated on page 45. Lovely large flowers in July. Each 25c; 3 for 60c.

**SWEET WILLIAM.**—Popular favorite, in variety. Bloom May and June. Each 20c; 3 for 50c.

**TRITOMA (Red Hot Poker Plant).**—Produce heads of bloom six to ten inches long on spikes three feet high. Blooms are orange scarlet at base, shading to light orange at top. Very striking and beautiful. Each, 30c; 3 for 75c.

**VERONICA—Speedwell.**—30c; 3 for 75c.

**VIOLA—Tufted Pansy.**—Each 40c; 3 for \$1.00.

**YUCCA—Adams Needle.**—Tall spikes, in June. Flowers white, large size, striking appearance. Each 20c; 3 for 50c.

ALL HOME GROUNDS SHOULD HAVE A FEW CLUMPS OF PHLOX AND GOLDEN GLOW



# HARDY SHRUBS

## ALTHEA (Rose of Sharon)

**DOUBLE WHITE.**—Beautiful shrubs, large double white flowers during fall. Each 50c.

**DOUBLE RED.**—Flowers bright red color. Each, 50c.

**DOUBLE PURPLE.**—Color is beautiful purple. Each, 50c.

**DOUBLE BICOLOR.**—White, blotched pink. Each, 50c.

## BARBERRY

**THUNBERGII.**—Pretty variety from Japan; graceful habit; foliage is small, changing to beautiful bright red in fall. Large plants, 60c.

## CORNUS

**SIBERICA.**—(White Flowering Dogwood.)—Large white flowers in spring; crimson foliage in autumn. Each, 50c.

**STOLONIFERA.**—(Red Twigg'd Dogwood)—Branches turn blood-red in winter. 50c.

## CALYCANTHUS

Generally known as "Sweet Shrub." Flowers are purplish brown, quite double, exquisitely fragrant. Each, 50c.

## DEUTZIA

**PRIDE OF ROCHESTER.**—Shrub of strong, hardy growth, luxuriant foliage and bearing an abundance of beautiful double white flowers. Each 50c.

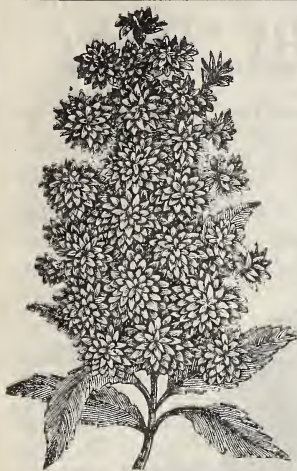
## FLOWERING ALMOND

**DOUBLE PINK.**—One of the earliest and finest of shrubs. Loaded with double pink flowers. Large size, 60c.

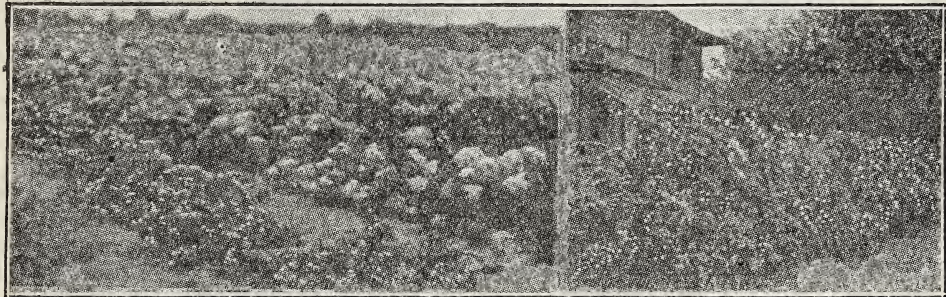
**DOUBLE WHITE.**—Like above, with snowy white flowers. Large size, 60c.

## FORSYTHIA

**SUSPENSIVA.**—(Golden Bell.)—Weeping of pendulous habit; deep green leaves, bright yellow flowers. 50c.



PRIDE OF ROCHESTER DEUTZIA.



## HYDRANGEA

**NEW SNOWBALL.**—(Arborescens Grandiflora Alba)—Flowers much more profuse than Paniculata; blooms are pure white and like the snowball. Blooms in July and August. Each, 60c.

**PANICULATA GRANDIFLORA HYDRANGEA.**—The most popular shrub for lawn, hedge, or cemetery planting. Flowers are massive, cone shaped, changing from white to pink, finally to a rich, coppery red. Each, 50c.

## LILAC

**PERSIAN.**—Strong grower, bearing large, fragrant clusters of purple flowers in spring. Each, 75c.

**COMMON.**—Bluish purple flowers. Each, 60c.

**SINGLE WHITE.**—Has white flowers. Each, 60c.

## PRIVET

**CALIFORNIA.**—For hedges plant one foot apart. Strong plants, per dozen, \$1.50; 100 for \$10.00.

**ARMURENSE.**—Makes a splendid formal hedge. The plant has glossy leaves and almost an evergreen. Stands the severest winters. Hardest of all privets. Dozen, \$2.00; 100 for \$15.00.

## SPIREA

**VAN HOUTTEI.**—(Bridal Wreath.)—Fine compact clumps with pure white flowers borne in masses drooping gracefully. Large, each 50c; dozen, \$5.00.

## SYRINGA

**GRANDIFLORA.**—(Mock Orange.)—Strongest growing variety, lovely, large, fragrant flowers. Each, 50c.

**LE MOINEI.**—A charmingly fragrant variety. Flowers are yellowish white. Each, 40c.

## TAMARIX

**(SMOKE TREE).**—Foliage is light, feathery and graceful, sage blue in color and very striking. Pink blooms throughout the entire summer. Each, 50c.

## WEIGELIA

**EVA RATHKA.**—Splendid new variety. Large purplish red flowers with rich, creamy white markings. Ea., 60c.

**ROSEA.**—Of robust, graceful growth, 5 to 6 feet high; produces immense quantities of superb trumpet-shaped flowers in June and July, also some in fall. Each, 50c.

## SNOWBALL

**COMMON.**—Well known and popular shrub covered with dense white flowers which give it its name. Each, 50c.

**JAPAN.**—Valuable improvement on the common Snowball; flowers are smaller and more numerous; often as many as twenty on a stem 18 inches high. Each 75c.

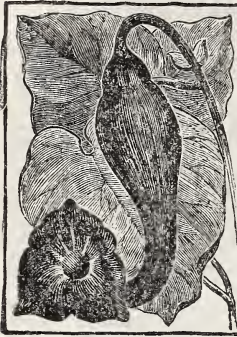


JAPAN SNOWBALL

A FEW BLOOMING SHRUBS ADD GREATLY TO THE ADORNMENT OF THE HOME



## HARDY VINES



ARISTOLOCHIA, SIPHO



BIGNONIA



BITTER SWEET



WISTARIA

In making a home, plan for future beauty, comfort and happiness by planting a variety of hardy clematis, ornamental vines, shrubs and roses which will constantly grow in beauty and size.

**AMPELOPSIS—Englemanni.**—Green leaves, turning crimson in autumn. Clings tightly. Each 50c; dozen, \$5.00.

**AMPELOPSIS—Veitchii.**—Boston Ivy. Clings to brick or stone walls. Each 50c; dozen, \$5.00.

**ARISTOLOCHIA—Dutchman's Pipe Vine.**—Large overlapping leaves. Odd shaped brown flowers. Each, 60c.

**BIGNONIA—Trumpet Creeper.**—Trumpet shaped scarlet flowers, dark green leaves. Each, 50c.

**BITTER SWEET—Celastrus.**—Flowers yellow, orange fruits. Prized for winter decoration. Each, 50c.

**CLEMATIS—Jackmani.**—Purple. Each, \$1.00.

**CLEMATIS—Mad. Edw. Andre.**—Red. Each, \$1.00.

**CLEMATIS—Henryii.**—White. Each, \$1.00.

**CLEMATIS—Paniculata.**—Small, white, fragrant flowers in autumn. Each, 50c.

**HONEYSUCKLE—Japonica Aurea.**—Flowers yellow, dark foliage. Each, 50c.

**HONEYSUCKLE—Scarlet Trumpet.**—Bright showy scarlet flowers. Each, 50c.

**KUDZU VINE.**—Purple flowers, dark foliage. Quick, strong growers. Each, 35c.

**VIRGINIA CREEPER—Clematis Quisquefolia.**—Also called American Ivy. Each, 40c.

**WISTARIA—American Purple.**—The popular variety. Each., 50c.

**CRIMSON RAMBLER.**—Deep crimson. No. 1, each, 50c.

**DR. VAN FLEET.**—A rich shade of shell pink. Each, 75c.

**EXCELSA.**—(Red Dorothy Perkins.) No. 1, each, 50c.

**FLOWER OF FAIRFIELD.**—Everblooming crimson rambler. 60c.

**PRAIRIE QUEEN.**—Pink. No. 1, each, 50c.

**PAUL'S SCARLET CLIMBER.**—Vivid scarlet. No. 1, each, 75c.

**SEVEN SISTERS.**—Rosy red. Popular old variety. No. 1, each, 50c.

**TAUSENDSCHON.**—("Thousand Beauties".) Changeable as it matures, blush to pink. No. 1, each, 50c.

**VEILCHENBLAU.**—Blue rambler, gets darker as flowers age. 75c.

## HARDY ROSES

### HYBRID PERPETUAL ROSES

Bloom once a year in June.

**AMERICAN BEAUTY.**—Rich deep crimson red. No. 1, each, 75c.

**ALFRED COLOMB.**—Bright red. A beautiful color. No. 1, each, 75c.

**J. B. CLARKE.**—Brilliant, shining scarlet. Very showy. No. 1, each, 75c.

**FRAU KARL DRUSHKL.**—Fine large white blooms of perfect form. No. 1, ea., 75c.

**GEN. JACQUEMINOT.**—Bright deep crimson. No. 1, each, 75c.

**MAGNA CHARTA.**—Bright rose pink. No. 1, each, 75c.

**MARSHALL P. WILDER.**—Bright light crimson. No. 1, ea., 75c.

**PAUL NEYRON.**—Brilliant shining pink. No. 1, ea. 75c.

**ULRICH BRUNNER.**—Cherry red. No. 1, each, 75c.

Any of the above in No. 2 size, 50c.

Any of the above in No. 2 size, 50c.

### HYBRID TEA ROSES

Half hardy, perpetual blooming type. Should have winter protection and good care.

**BRITISH QUEEN.**—White. No. 1, each, 75c.

**CLOTHILDE SOUPERT.**—Small flowers of light pink. No. 1, each, 75c.

**ETOILE DE FRANCE.**—Crimson. No. 1, each, 75c.

**GRUS AN TEPLITZ.**—Scarlet. No. 1 ea. 75c.

**HERMOSA.**—Bright pink. No. 1, each, 75c.

**KILLARNEY PINK.**—Shining pink ea. 75c.

**LA FRANCE.**—Old time favorite pink. Each, 75c.

**LADY HILLINGTON.**—Apricot. No. 1, 75c.

**LOS ANGELES.**—Pink and gold. No. 1, 75c.

**MADAM BUTTERFLY.**—Apricot yellow. Fine. Each, 75c.

**OPHELIA.**—Golden yellow. A lovely rose. Each, 75c.

**PREMIER.**—Deep rosy red. No. 1, each 75c.

**RADIANCE.**—Carmine pink, very bright. Each, 75c.

**RED RADIANCE.**—Crimson red. No. 1, each, 75c.

**SOUV. CLAUDIUS PERNET.**—Yellow. No. 1, 75c.

Any of the above in size No. 2, 60c.

### HARDY CLIMBING ROSES

**AMERICAN PILLAR.**—Cherry red with white eye. No. 1, 60c.

**AMERICAN BEAUTY.**—Climbing. Brilliant carmine. No. 1, 75c.

**BALTIMORE BELLE.**—White. An old favorite. No. 1, each, 60c.

**CRIMSON RAMBLER.**—Deep crimson. No. 1, each, 50c.

**DR. VAN FLEET.**—A rich shade of shell pink. Each, 75c.

**EXCELSA.**—(Red Dorothy Perkins.) No. 1, each, 50c.

**FLOWER OF FAIRFIELD.**—Everblooming crimson rambler. 60c.

**PRAIRIE QUEEN.**—Pink. No. 1, each, 50c.

**PAUL'S SCARLET CLIMBER.**—Vivid scarlet. No. 1, each, 75c.

**SEVEN SISTERS.**—Rosy red. Popular old variety. No. 1, each, 50c.

**TAUSENDSCHON.**—("Thousand Beauties".) Changeable as it matures, blush to pink. No. 1, each, 50c.

**VEILCHENBLAU.**—Blue rambler, gets darker as flowers age. 75c.



BALTIMORE BELLE



## SUMMER FLOWERING BULBS

Many of the most showy, attractive, inexpensive and easiest grown flowers are contained in this important class. Few flowers can compare with the brilliant spikes of the gladiolus, the grace and elegance of the lily, the purity and sweetness of the tuberose, and the majestic foliage of the canna. Bulbs require but little care and quickly make a gorgeous display, while the bulbs can be kept over winter and year after year will return a hundred fold the original cost. Postpaid on receipt of price, except where noted.

### CALADIUM

**ESCULENTUM.**—(Elephant's Ear).—A splendid tropical plant, growing 4 to 5 feet, with immense leaves. Very showy leaves, often growing three feet long. Of easy culture. Large bulbs, 40c; 3 for \$1.00.

### CALLA LILIES

**MAMMOTH WHITE.**—Largest flowering variety and most majestic. It is of perfect flowering form with large tropical appearing leaves of bright green color and blooming throughout the season. Large size, each, 30c; 3 for 75c.

**ELLIOTTIANA.**—This yellow calla is of marvelous beauty. The flowers are very large and of the brightest golden yellow. Leaves beautifully spotted with white. Each, 35c; 3 for 90c.



CALADIUM ESCULENTUM.

## CANNAS

### DWARF SORTS (Under 4 Feet)

**CRIMSON BEDDER.**—Large crimson flower, green foliage. Each, 15c; doz., \$1.50.

**DAVID HARUM.**—Flowers scarlet, dotted yellow, bronze foliage. Each, 15c; doz., \$1.50.

**MAD CROZY.**—Scarlet flowers, broad yellow edge, green foliage. Each, 15c; doz., \$1.50.

**GOLDEN GATE.**—Bright yellow, slightly splashed red, green foliage. Each, 15c; doz., \$1.50.

**PORTLAND.**—Large pink flowers, green foliage. The best dwarf pink. Each, 20c; doz., \$2.00.

### MEDIUM SORTS (Four to Five Feet)

**CHAS. HENDERSON.**—Rich crimson flowers, green foliage. Popular, free blooming, strong grower. Each, 15c; doz., \$1.50.

**PRESIDENT.**—Extra large bright red flowers, green foliage. One of the best new sorts. Each, 20c; doz., \$2.00.

**KING HUMBERT.**—Orange scarlet, striped crimson, most popular bronze foliage sort. Each, 15c; doz., \$1.50.

**YELLOW HUMBERT.**—Bright yellow, dotted red, green foliage; splendid. Also called "Queen Helene." Each, 20c; doz., \$2.00.

**BRIGHTNESS.**—Very large, bright pink blossoms, green foliage. Each, 20c; doz., \$2.00.

### TALL SORTS (Five Feet and Up)

**STATUE OF LIBERTY.**—Large, attractive orange scarlet flowers, orange foliage. Each, 15c; doz., \$1.50.

**ALLEMANIA.**—Bright scarlet, edged yellow, green foliage. Makes a fine, majestic appearance. Each, 15c; doz., \$1.50.

**FLORENCE VAUGHAN.**—Yellow, spotted crimson, green foliage. Each, 15c; doz., \$1.50.

**WINTZER'S COLOSSAL.**—Bright red. Green foliage. Choice variety. Each, 20c; doz., \$2.00.

**WYOMING.**—Orange flowers, bronze foliage. Strong grower. Each, 20c; doz., \$2.00.

## DAHLIAS

**CLIFFORD W. BRUTON.**—Decorative type. Color golden yellow. Large, perfect flower. An old favorite variety. Each, 25c; 3 for 65c.

**JACK ROSE.**—Decorative type. Color deep crimson. Large, perfect flower. Each, 25c; 3 for 65c.

**SYLVIA.**—Decorative type. Mauve pink shading to white in center. Each, 25c; 3 for 65c.

**LYNDHURST.**—Decorative type. Extra large; bright glowing red. Each, 25c; 3 for 65c.

**A. D. LIVONI.**—Show type. Delicate shell pink; fine large flower. Each, 25c; 3 for 65c.

**STORM KING.**—Show type. Extra large white flowers, tinged pink center. Each, 25c; 3 for 65c.

**RED HUSSAR.**—Show type, brilliant cardinal red; large flower. Each, 25c; 3 for 65c.

**GENESTA.**—Cactus type. Rich, orange bronze color. Beautiful. Each, 30c; 3 for 75c.

**RED CACTUS.**—Cactus type, bright red, large flower. Bright and attractive. Each, 25c; 3 for 65c.

**FLORADORA.**—Deep blood red, rich and velvety appearance. Each, 30c; 3 for 75c.



CACTUS DAHLIAS





## GLADIOLUS

These are a specialty with us. Is the most desirable of all bulbs and it is claimed by many who are well acquainted with their beauty, to be the flower of flowers.

### NAMED VARIETIES

**AGNES WHITING.**—A very fine bright yellow. A new variety of great value. Each, 10c; doz., \$1.00.

**ALICE TIPLADY.**—A new color—orange saffron. Beautiful and a good flower. Each, 10c; doz., \$1.00.

**AMERICA.**—A splendid new variety of beautiful soft pink shade. It will delight you. Each, 6c; doz., 60c.

**ANNA EBERIUS.**—Beautiful shade of light purplish crimson. A favorite with everyone. Each, 12c; doz., \$1.20.

**BARON HULOT.**—Dark, velvety purple. It is the best blue-flowered gladiolus. Each, 12c; doz., \$1.20.

**BLACK HAWK.**—Grand, large flowers of vivid scarlet with garnet throat blotch on lower petals. Splendid tall, straight, well-filled spike. Each, 12c; doz., \$1.20.

**CRIMSON GLOW.**—A wonderful fine red, large open flowers, long spike. Each, 10c; doz., \$1.00.

**E. J. SHALER.**—A deep rose pink, a lovely, ruffled flower. Bright enough to go with reds. Each, 10c; doz., \$1.00.

**ELORA.**—A very fine white, with touch of color in throat. Each, 10c; doz., \$1.00.

**EVELYN KIRTLAND.**—Rosy pink, darker at the edges, fading to shell pink at the center, with brilliant scarlet blotches on lower petals. Fine large tall spike. Each, 10c; doz., \$1.00.

**GIANT NYMPH.**—An extra large flower of deep solid pink. One of the best. Each, 12c; doz., \$1.20.

**GLENDALE.**—A bright violet or purple color. Somewhat lighter than Anna Eberius, but equally beautiful. Each, 10c; doz., \$1.00.

**LE MARECHAL FOCH.**—Enormous flowers of beautiful delicate pink; finest of its color. A very popular variety. Each, 8c; doz., 80c.

**MRS. FRANCIS KING.**—Great beauty. Color pleasing light scarlet. Spike is strong, flowers large. Each, 6c; doz., 60c.

**MRS. FRANK PENDLETON.**—Flowers large pink, with brilliant carmine blotches on lower petals. Each, 6c; doz., 60c.

**NIAGARA.**—Cream yellow, slashed crimson. Each, 6c; doz., 60c.

**WHITE CITY.**—The newest and best white. Each 10c, doz. \$1.

## LILIES

Nothing can surpass the lily in beauty, purity, delicacy and stately, magnificent grandeur. Need not be disturbed from year to year. Bloom better the second year and thereafter.

**AURATUM.**—(Japanese Gold-Banded Lily.)—"The Queen of Lilies." Large white petals thickly spotted with crimson, and a bright golden yellow band through the center of each. Ea., 50c.

**SPECIOSUM RUBRUM.**—Height from 2 to 4 feet. Blooms in August. Flowers are white, a crimson band on each petal, with deeper colored spots between. Each, 50c.

**REGAL LILY.**—A new lily from China. Perfectly hardy, blooms in July. Extra large white flowers, tinged pink, with yellow throat. Each, 50c.

**TIGRINUM SPLENDENS.**—An improved Tiger Lily growing sometimes 6 feet high, red flowers spotted with black. Each, 35c.

**DOUBLE TIGER LILY.**—A double form of the old Tiger Lily. Color orange red, spotted with black. Each, 35c.

### TUBEROSE

**NEW EXCELSIOR PEARL.**—Very easily grown. Has short, robust stem and long spikes of large flowers, which are perfectly double. They are always wax like, pure white and unsurpassed for buttonhole bouquets. First size bulbs, each, 6c; doz., 60c.

### Special Mixture

Our bargain offer to close out surplus varieties. Doz., 25c; 100 for \$1.50, postpaid.







YELLOW TRANSPARENT APPLE.

**Carefully Packed and Sure to Please**  
Fifty or more of any sort sold at the hundred rate; purchaser to pay transportation charges by express or freight on all nursery stock unless otherwise quoted. Orders must amount to at least one dollar. These are shipped direct from the nursery and cannot be sent with other goods. Ask for special prices on large orders.

**APPLES**

Price 75c each, \$3.00 per dozen.

**Summer Varieties**

**ASTRACHAN.**—Medium size, bright red; striped yellow; good quality; very productive.

**DUCHESS.**—Yellow, striped red; medium to large; extremely hardy and productive.

**EARLY HARVEST.**—Large, golden yellow; splendid quality. Very popular in Iowa.

**RED JUNE.**—Choice quality, very early, bright dark red, small to medium size.

**YELLOW TRANSPARENT.**—Very early, light yellow, medium size; juicy sub-acid.

**Autumn Varieties**

**MAIDEN'S BLUSH.**—Yellow with beautiful bluish cheek. Good quality. Medium large.

**RAMBO.**—Small to medium, striped yellow and red. Quality extra choice.

**RAMSDELL SWEET.**—Large. Rather oblong shape. Dark red. Best fall sweet apple.

**FAMEUSE.**—(Snow Apple.)—Deep dark red, flesh very white, juicy and rich.

**AUTUMN STRAWBERRY.**—Striped yellow and red, medium size, fine quality.

**Winter Varieties**

**BALDWIN.**—Famous eastern market apple. Large, bright red, crisp, juicy and rich.

**BANANA.**—Large, golden yellow, bluish cheek. Fine quality. Popular in the west.

**BEN DAVIS.**—Large, red, striped yellow, good quality, good keeper. Profitable sort.

**DELICIOUS.**—Large, brilliant red, shading to a golden yellow. Extra quality.

**GRIMES GOLDEN.**—Large, golden yellow. Favorite because of extra choice quality.

**JONATHAN.**—Most popular of all. Large, deep red. Rich flavor, juicy and sweet.

**McINTOSH.**—Large, bright red, fine form, splendid quality.

**NORTHWESTERN GREENING.**—Large, light green. The fruit has kept for a year.

**TALMAN'S SWEET.**—Medium size. Pale yellow. Good quality. Standard sweet apple.

**WEALTHY.**—Large, red, showy, sub-acid and productive. Most popular of all.

**WINESAP.**—Medium. Deep red. Quality very fine. Rich, crisp flesh, sub-acid flavor.

**WOLF RIVER.**—Largest of all; grow to weigh 4 lbs. Quality fair. Yellow, striped light red. Productive.

**CRAB APPLES**

Price 75c each, \$3.00 per dozen.

**HYSLOP.**—Small, dark red, very fine.

**TRANSCENDENT.**—Small, yellow, fine.

**WHITNEY.**—Large, bright red, vigorous and productive. A very popular variety.

**NURSERY STOCK**

Our fruit trees are first grade, two to three years old, five feet up, and the best size for transplanting.

**CHERRIES**

Price \$1.00 each; dozen, \$10.00.

**EARLY RICHMOND.**—Medium size, dark red, juicy, acid flavor. Unsurpassed for cooking. Standard early variety in Middle West.

**MONTMORENCY.**—Large red acid cherry; is larger than Early Richmond and about ten days later. A superior sort for home use.

**WRAGG.**—Large, late acid variety, dark purple; very productive.

**ENGLISH MORELLO.**—Deep, dark red. Very acid, but fine for pies. Late.

**PEARS**

Price, \$1.00 each; dozen, \$10.00.

**CLAPP'S FAVORITE.**—Very large, yellow and dull red with russet specks. Rich and melting. Ripens in August.

**KIEFFER.**—Large, rich colored and good quality. Excellent for canning; will keep until winter. Hardy. Ripens in October.

**BARTLETT.**—Large size, excellent quality. A leading variety. Ripens in August.

**SECKEL.**—Small but of excellent quality; very hardy. Ripens in September.

**PEACHES**

Each, 75c; dozen, \$8.00.

**CROSBY.**—Medium size, bright orange yellow, streaked carmine. One of the best standard sorts and claimed to be the hardest of all. Ripens in September.

**CHAMPION.**—Fruit large, beautiful in appearance, excellent flavor, skin creamy white with red cheeks, extremely hardy with free stones. Ripens in late August.

**ELBERTA.**—The most popular early market sort. Large, bright lemon yellow, with bluish cheeks. Ripens in August.

**BOKHARA.**—Originally from Russia. Grown successfully in Iowa. Freestones, medium size, yellow bluish cheek; flesh white, juicy, fine flavored. Medium early.

**PLUMS**

By express, each, 80c; dozen, \$8.00.

**DESOTO.**—Bright red. Very prolific, of good quality. A standard native variety.

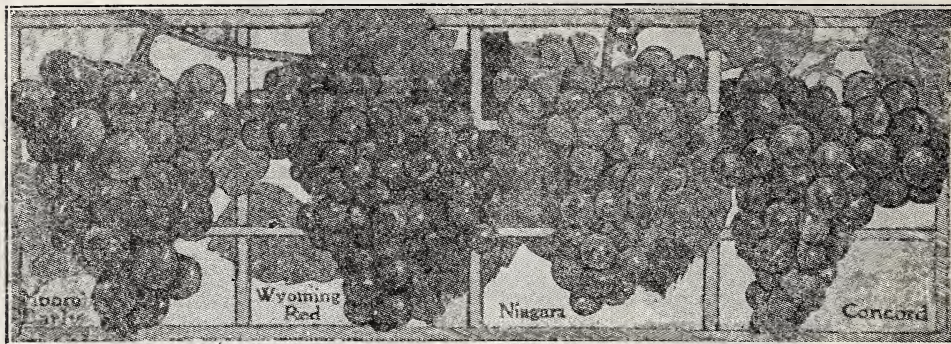
**FOREST GARDEN.**—Large, mottled red and yellow, very, very sweet and rich.

**WEAVER.**—Flesh firm, red, juicy, with flavor resembling apricot; freestone, early bearer and very productive, hardy and said to be curculio proof.

**WILD GOOSE.**—Large, rich and melting; delicious. Strong grower and prolific.

MONTMORENCY  
CHERRY





## BLACKBERRIES

**SNYDER.**—Standard sort. No other so prolific or so desirable for shipping. Dozen, 75c; 100 for \$6.00.

**ANCIENT BRITON.**—Regarded as one of the hardest and is especially adapted to Iowa, Wisconsin and Minnesota. Dozen, 75c; 100 for \$6.00.

**BLOWERS.**—A sturdy grower and quite hardy. The fruits are large, melting and of splendid quality. Dozen, 75c; 100 for \$6.00.

## CURRENTS

Cannot ship west of Missouri River.

**RED CHERRY.**—Most productive. Ripen early but remain on the bush longer than others; fine quality. Each, 15c; doz., \$1.50.

**FAY'S PROLIFIC.**—One of the most prolific; excellent quality. Each, 15c; doz., \$1.50.

**WHITE GRAPE.**—Standard variety. Fruits are light colored, mild and fine flavor. Each, 15c; dozen, \$1.50.

## RASPBERRIES

Our varieties are all tip grown plants. We do not sell sucker plants.

**COLUMBIAN.**—Leading purple red variety. Fruit rich and sprightly in flavor, superior for canning, jam or preserving. Grows strong and vigorous. Dozen, \$1.00; 100 for \$8.00.

**ST. REGIS.**—Everbearing red variety. Spring set plants bear the first year, continuing to fruit until late in fall, late crop coming on the tips of new canes. Hardy and the best everbearing red raspberry. Dozen, \$1.00; 100 for \$7.00.

**CUTHBERT.**—Surprises all by its growth, hardness, productiveness and unusual richness of flavor. Dozen, 75c; 100 for \$6.00.

**KANSAS.**—Ripens about one week earlier than Gregg. Fruit large and firm. Valuable for home or market. Dozen, 75c; 100 for \$6.00.

**GREGG.**—Hardy, excellent. Leading black-cap sort for many years. Doz., 75c, 100, \$6.00.

**CUMBERLAND.**—One of the best of black-cap variety. Very large size, good quality, firm and handsome and an excellent shipper. Plants vigorous and hardy, productive and free from disease. Dozen, 75c; 100 for \$6.00.

## STRAWBERRIES

Strawberries will be packed and shipped alone. They require extra care in packing to reach the purchaser in good condition, and for this reason are not packed with other goods or nursery stock.

**SENATOR DUNLAP.**—This is the acknowledged best variety for home garden or amateur, as it is self pollinating and prolific. Fruits are of good shape, well flavored and do not have hard cores. Price \$1.00 per 100, postpaid; \$6.00 per 1,000, not prepaid.

**EVERBEARING PROGRESSIVE.**—The one everbearing variety that has proven of value. Price, \$2.00 per 100, postpaid.

Will quote any particular varieties of strawberry on request.

## GRAPES

Our grape vines are No. 1 one-year vines which experience has shown to be the best size for transplanting. The most robust vines are marketed by nurserymen generally at one year old; the culls grown another season and sold as two-year-olds. Write for prices in large lots.

**AGAWAM.**—Berries are very large and bright red, with thick skin; very vigorous grower. The fruit is of good quality with peculiar flavor. Each, 15c; dozen, \$1.50.

**CAMPBELL'S EARLY.**—Ripens with Moore's Early. Bunch and berry large, glossy black with blue bloom. Sweet and juicy. Each, 25c; dozen, \$2.50.

**CONCORD.**—Well known standard black. Succeeds everywhere. Each, 15c; doz., \$1.50.

**MOORE'S EARLY.**—Bunch large, berry very large and round, vines are exceedingly hardy. Desirable early market black variety; popular. Each, 20c; dozen, \$2.00.

**NIAGARA.**—A leading white sort; very productive and hardy. Bunch is white, changing to pale yellow when fully ripe; skin is thin and tough. Quality extra fine. Each, 20c; dozen, \$2.00.

**WORDEN.**—A large grape of the Concord type, much earlier, larger and of better quality; hardy and more productive. Each, 15c; dozen, \$1.50.

## GOOSEBERRIES

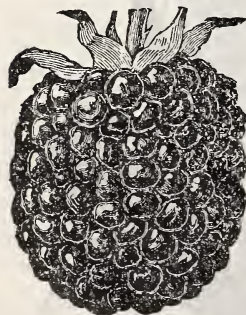
Cannot ship west of Missouri River.

**CHAMPION.**—A new variety from Minnesota. Hardy, free from mildew, very productive, large size and recommended as the best. Each, 25c; dozen, \$2.50.

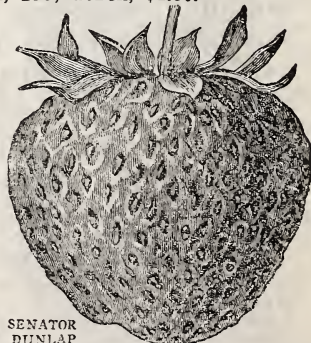
**JOSELYN.**—Of superior merit. Is very large, hardy, productive and free from mildew. Each, 30c; dozen, \$3.00.

**PEARL.**—Most prolific; hardy, entirely free from mildew. Superior size and yield. Each, 20c; dozen, \$2.00.

**HOUGHTON.**—Pale red, good quality, productive. Each, 15c; dozen, \$1.50.



SNYDER BLACKBERRY



SENATOR DUNLAP



# SPRAYERS

Each year proves the importance of spraying in order to destroy the insects and secure a good crop. The most successful fruit growers are the most enthusiastic on spraying. It will pay you to invest in spraying apparatus for use in the vegetable and flower garden, and for the poultry yards and houses. If spray pumps are to be sent prepaid, add postage.

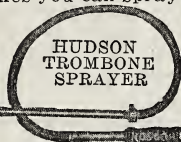
**HUDSON PERFECTION COMPRESSED AIR SPRAYER.**—Pattern shown by illustration. It is 20 inches high and 7 1/4 inches in diameter. Capacity is four gallons but works better if not more than 3 1/2 gallons is placed in it. There is no leather or wood in the pump valve to expand and contract. It is made of extra heavy metal. Has three-piece nozzle for fine or coarse spraying and 2-foot extension rod. Shipping weight, 10 lbs. Price, galvanized, \$6.00; brass, \$9.00. Iowa postage, 17c.

**HUDSON JUNIOR SPRAYER.**—Made same style and same material as the Hudson Perfection but is smaller. Holds 2 1/2 gallons and is large enough for home garden uses. A fine individual sprayer. Galvanized tank, each, \$5.00; brass tank, each, \$7.50.

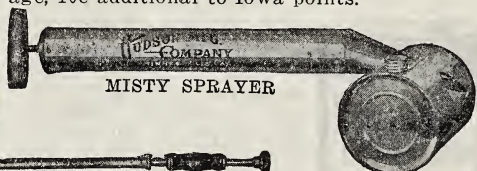
**HUDSON TROMBONE SPRAYER.**—A handy form of bucket pump consisting of brass pump which operates with syringe stroke. It is attached to rubber hose, which has a brass strainer attached to the bucket end. You simply drop the end of the hose in bucket and with a few strokes you can spray a tree or any other article. Useful in washing automobiles, windows or porches. Price, \$5.00. Iowa postage, 20 cents.



**IMPROVED "MISTY" SPRAYER.**—Shaped like the old Faultless, but the spray nozzle protrudes through the tank, making it stronger. Mailing weight, 2 lbs. By express, galvanized iron, 75c; tin, 50c; brass, \$1.00. Postage, 10c additional to Iowa points.



HUDSON TROMBONE SPRAYER



MISTY SPRAYER

**CONTINUOUS MISTY SPRAYER.**—Is made like the standard Misty Sprayer, which is the most popular of this type. Made in such a way that the action of the plunger forces a continuous fine mist spray and drawing back plunger does not stop flow as in old-style sprayer. Add postage, mailing weight 2 lbs. By express, galvanized iron, \$1.25; tin, 75c; brass, \$1.50. Postage, 15c each to Iowa points.

**HUDSON LACQUER SPRAYER.**—A small hand sprayer for applying whitewash, liquid paints and heavy liquids. A very useful article for poultrymen. Tin each, 75c. Postage 15c to Iowa points.

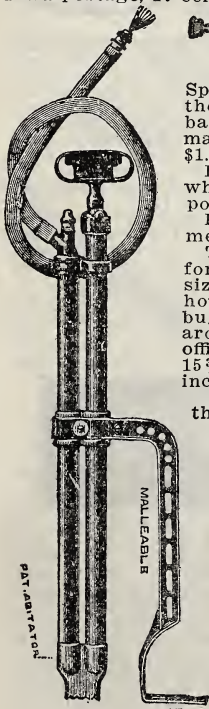
**EXTRA CANS.**—To use with Lacquer Sprayer. Detachable cans with metal cap. Have an extra can for each article you use to spray. Each 25c.

**THE HUDSON CADET DUSTER** is adapted for use with all insect powders. Because of its size and efficiency it is a favorite with the housewife in applying roach, ant, and various bug powders. It is frequently used around restaurants, soda fountains, offices, stores, etc. Length over all 15 1/4 inches. Diameter of barrel 1 1/4 inches. Each, 50c. Postage, 10c.

**THE HUDSON MAJOR DUSTER** is designed for the home gardener, the small truck farmer or fruit grower, for use in and around the home, dairy, etc. It will handle all dry powdered insecticides very satisfactorily. Length over all 28 inches. Extension 12 inches. Stroke of pump 8 inches. Length of powder receptacle 5 inches. Diameter of barrel 2 1/4 inches. Fitted with powder strainer and nozzle. Each, \$1.00. Postage, 15c to Iowa points.

**THE HUDSON MOHAWK SPRAY PUMP** is very popular for use with whitewash, cold water paints, insecticides, disinfectants, stock dips, etc. Its high pressure and uniform discharge adapt it for orchard or garden use, washing automobiles, wagons and windows. All working parts are brass. Valves are bronze balls which will not rust or corrode. Handle and foot rest are malleable and unbreakable. Furnished with 3 feet of 3/8-in. 5-ply special spray hose, a 12-inch iron extension rod and regular Fog Nozzle adjustable for various sprays from the finest mist to a solid stream. Price by express, \$4. Postage, 15 cents.

**HUDSON BARREL SPRAY PUMP.**—A heavy brass cylinder barrel pump for use in orchards and vineyards. It clamps onto the barrel so that it is rigid. The barrel can be set in a wagon or on a drag. It is equipped with 6 ft. of hose, 4-ft. extension rod, a graduated nozzle for either coarse or fine spray. Practically unbreakable. Each, \$14.00.



MOHAWK PUMP

**NO HOUSEHOLD SHOULD BE WITHOUT A SPRAY TO DESTROY INSECTS AND VERMIN**

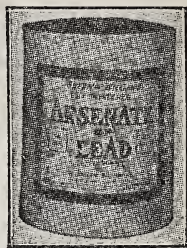


# Spray Materials

## Sherwin-Williams Insecticides

Poisons are not mailable. All items on this page go at customer's expense unless quoted postpaid.

It is vitally important to conserve and protect fruit and vegetables from insect pests. Spraying is the best method to combat the insects and diseases and present methods of manufacture have given us insecticides in most condensed form, and in formulas ready for instant use for any purpose.



The Sherwin-Williams Co. has developed a form, thus being convenient to handle and freezing or loss through leakage, and cost of transportation is reduced to the lowest.

**PARIS GREEN.**—Sherwin-Williams Paris Green has by years of use proven its quality. It is one of the safest and most effective Paris Greens. Price: ¼ lb., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 80c.

**FUNGI-BORDO.**—Dry powdered Fungi-Bordo is a true Bordeaux mixture in dry powdered form, requiring only to be mixed with cold water to make a standard Bordeaux. Directions on package. Price: 1 lb., 45c; 4 lbs., \$1.25.

**PESTROY.**—Pestroy is a combination Bordeaux mixture and arsenate of lead to save the time and trouble of making up and combining Bordeaux solution and the arsenate of lead mixture. Price: ½ lb., 25c; 1 lb., 50c; 4 lbs., \$1.50.



**DRY LIME-SULFUR.**—The use and success of Lime-Sulfur solution is known to practically every fruit grower in the country. Sherwin-Williams Dry Lime-Sulfur is true lime-sulfur solution in dry powder form—the first and only one of its kind on the market. It has all the advantages of the liquid material, but eliminates the disadvantage. Protected by patent. Price: 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.00.

**HAMMOND'S SLUG SHOT.**—A combination of potent insecticides and soluble plant food. It destroys all insects injurious to shrubs, trees and plants. Poisonous to insects, but not to foliage. 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.40; 100 lbs., \$13.00.

**BLACK LEAF 40.**—This is about 40 per cent Nicotine. Very powerful and one gallon will make from eight hundred to one thousand gallons of spray. For outdoor uses and house plants indoors. Price: 1 oz. can, 35c; ½ lb., \$1.35.

### By Express Only; Cannot Be Mailed

Dr. Hess Dip	2 qt.	\$1.00
Humane Dip	4 qt.	1.75
Conkey's Noxicide	1 pint	.80
Conkey's Noxicide	1 qt.	.80
Conkey's Noxicide	2 qts.	1.30
Conkey's Nox (soap)	3 oz.	.30
Conkey's Nox (soap)	8 oz.	.60
Carbola (whitewash)	5 lbs.	.75
Carbola	10 lbs.	1.25



a large line of insecticides in dry powdered form to keep until used. There is no danger of

**DRY POWDERED ARSENATE OF LEAD.**—Because of its unusual lightness, stays thoroughly in suspension, giving the spray uniform strength. It contains from 30 to 33 per cent arsenic oxide. It clings to the foliage for the longest possible time, which means effective control of insects. Price: 1 lb., 45c; 4 lbs., \$1.25; 20 lbs., \$6.00.

**EVERGREEN.**—A non-poisonous insecticide specially recommended to destroy cutworms, melon beetles, cabbage worms, plant lice and garden insects generally. Harmless to animals and birds. 1½ oz. bottle (makes 9 gallons spray), 35c; 6 oz. bottle, \$1.00; 16 oz. bottle, \$2.00.



**NIAGARA ALL-IN-ONE DUST.**—Contains arsenic to kill chewing insects, nicotine to kill sucking insects and Bordeaux to destroy scale or fungus growth. A complete all-purpose dust spray. Per lb., 65c; 5 lbs., \$2.25.

### FUMIGATING AND DUSTING POWDER.

—Formerly sold under the name of Tobacco Dust. A valuable item for flower growers and for truck growers. Destroys melon and cucumber bugs. By express, 1 lb., 15c; 5 lbs., 25c; 100 lbs., \$4.00; 500 lbs., \$17.50.

**CROW BRAND INSECT POWDER.**—Best grade. Fresh and nice. It does not pay to use cheap, ordinary grades. Splendid for home use to kill cockroaches, ants and flies. By express, ¼ lb., 35c; 1 lb., \$1.00

**HELLEBORE.**—A well-known powder which is perhaps the best for use on currants and gooseberries to prevent the ravages of worms without danger of poisoning the fruits. Per ½ lb., 40c, postpaid.

**FISH OIL SOAP.**—A soap formerly sold as Whale Oil Soap, which is used as a part of a spray emulsion, and is applied on trunks and limbs of trees to destroy borers and bark lice. Per lb., 40c; postage in Iowa 8c extra.



**FEENEY DUSTERS.**—A dust blow sprayer most useful in applying all powdered insecticides. Strong and well made. A Feeney Duster with a few pounds of insecticides will insure you protection against insect ravages among flowers and gardens. Each, \$1.25. Postage, 15c to Iowa points.

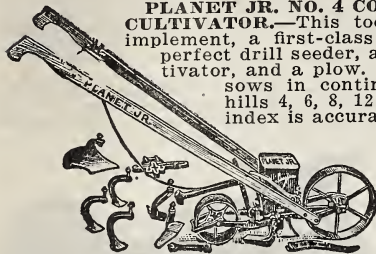
**SLUG SHOT DUSTERS.**—Buckets with perforated bottom used to apply powder insecticides. Very convenient and quick, as it only needs a shake to protect a plant. Every grower of potatoes, cucumbers, melons or garden vegetables will find it a time-saver. Each, 50c, postpaid.



# TOOLS and IMPLEMENTS

Send for Planet Jr. complete catalogue; mailed free.

**PLANET JR. NO. 4 COMBINED SEEDER AND CULTIVATOR.**—This tool combines in a single implement, a first-class hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and sows in continuous rows, or drops in hills 4, 6, 8, 12 or 24 inches apart. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. Price, \$18.00.



PLANET JR. NO. 4 SEEDER AND CULTIVATOR No. 4-D (As a Seeder only), \$14.25.

**NO. 25 COMBINED SEEDER, DOUBLE AND SINGLE WHEEL HOE.**—As a seeder this tool is the same as No. 4 described above, but when used as a cultivator it can be set up either as a double or single wheel hoe.

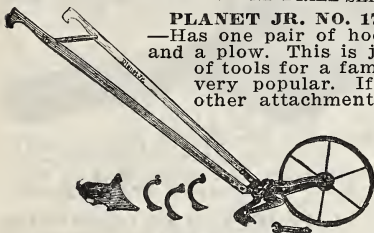
Has steel frames and straddles crops until 20 inches high. Two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. The most complete of the interchangeable tools. Price, \$21.50.



PLANET JR. NO. 25 HILL AND DRILL SEEDER

**PLANET JR. NO. 17 SINGLE WHEEL HOE.**

—Has one pair of hoes, three cultivator teeth and a plow. This is just the right assortment of tools for a family garden and should be very popular. If desired, the rakes and other attachments can be added later to make a complete tool. Price, \$7.75.



PLANET JR. NO. 17 SINGLE WHEEL HOE

**PLANET JR. NO. 12 DOUBLE WHEEL HOE.**—A double and single wheel hoe in one. Has steel frames, 14-inch steel wheel with heavy spokes and straddles crops until 20 inches high. Then can be worked between rows with one or two wheels. Does the work of six men with ordinary hand hoes. The attachments will all be found useful from the beginning to the end of the season. Price, \$10.75.

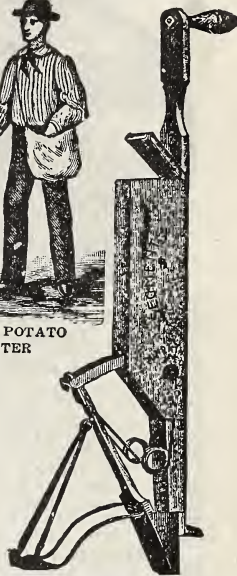


**PLANET JR. NO. 12 DOUBLE-WHEEL HOE** hand levers while in motion. Cultivates deep without throwing earth upon plants, and its smooth, round-throated teeth turn strawberry runners without injuring them. We guarantee it to prevent clogging, and teeth are quickly reversed by changing a single bolt in each. Is provided with a pulverizer which leaves ground in fine condition. Price \$12.50; or, without pulverizer, \$10.00.

**PLANET JR. NO. 8 HORSE HOE.**—Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator. In use all over the civilized world and so well built as to stand incredible strain, yet light and easy to handle. The depth is under perfect control by a new lever wheel, making exact work, steadying machine and relieving operator. The reversible side hoes act as plows or hillers; works shallow and close, without injury to roots, and saves much hand labor. Price, \$17.50.



EUREKA POTATO PLANTER



SEGMENT CORN PLANTER

**SEGMENT HAND CORN PLANTER.**—Operated with one hand. Immense amount of ground can be planted in one day. Drops as fast as you walk, and you make it drop where you want. Open drop by bending planter forward, thus pressing spring which controls hopper opening. You can also plant from your pocket soy beans and pumpkin seeds with corn through an opening in the side. Price, each, by express, \$2.25. Mailing weight, 4 lbs.

**EUREKA POTATO PLANTER.**—The best hand potato planter that we know of as it does the work perfectly. Also plants beans and corn equal to any corn planter. Price, \$2.00.

**THE CYCLONE SEED SOWER.**—Farmers should have a small hand seed sower for emergency use. This is an improved style, strong, well made, durable, very easy to understand and easy to operate. Directions with each machine. By express, \$2.25. Mailing weight, 4 lbs.



**CYCLONE SEED SOWER.**—Farmers should have a small hand seed sower for emergency use. This is an improved style, strong, well made, durable, very easy to understand and easy to operate. Directions with each machine. By express, \$2.25. Mailing weight, 4 lbs.





**CEL-O-GLASS.**

Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square

yard \$1.65; in 10-yard lots at \$1.60 yard.

**GLASS CLOTH.**—Heavy canvas cloth, treated to admit the violet rays of the sun. Used for covering hotbeds, cold frames in place of glass, windows in poultry houses. Makes a good winter storm covering over windows and screen doors. We offer the genuine glass cloth. Sold in strips three feet wide, cut to any length desired. Price per yard length 50c; 15 yards for \$3.25.

**LITTLE GIANT MOLE TRAP.**—Not so large as the Reddick, but principle is similar. Strong, durable and will do the work. Easily set. Has a strong spring with great force. Each, \$1.50, postpaid in Iowa.

**DANDELION WEEDER.**—Made of one piece hard, stiff steel. Blade is 8 inches long, with ground notched point, which cut the dandelion root and holds the plant in the notch. Works much faster than common knife. Each 30 cents, postpaid in Iowa.

**GARDEN WEEDER.**—All steel, one piece. Has fine steel fingers with ground and polished points. Durable and useful among small plants or flower beds. Each 25c. Postage in Iowa, 7 cents.

**GARDEN TROWEL.**—An all steel, one-piece garden trowel, strong and heavy. Finished with baked enamel blade 6 inches long. Each, 25c. Postage, 7 cents in Iowa.

**TRANSPLANTING TROWEL.**—All steel, one piece, blade six inches long, but narrower than the common type. Finished with baked enamel.

A splendid trowel. Each, 25c. Postage 7 cents in Iowa.

**THREE-PIECE GARDEN SET.**—Consists of one each of the above tools. One trowel, one transplanting trowel and one weeder. An assortment which will be found very useful for any gardener. Price, 75 cents, postpaid to Iowa points.

**HUDSON GARDEN PLOW NO. 240.**—A fine tool for the town gardener, who has only a small plot. Illustration shows the attachments, a cultivating rake, a plow, and a hoe, all made of best steel. You can do all your work but sowing the seed with this tool. The wheel is 1 1/4-inch tire and 24 inches in diameter, which makes it easy to run. We have chosen this as the best among a number of styles of high-wheel garden plows at a low price. Each, \$4.50.



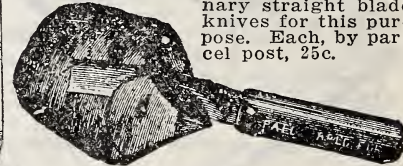
**CAPITAL BALL BEARING LAWN MOWERS.**—Blades are crucible cast steel hardened and tempered in oil. Twin edge cutting knife is automatically sharpened and adjusted. Ball bearings have self-adjusting springs which take up all wear. Price, 16-inch, \$14.00; 18-inch, \$16.00.

**GRASS CATCHERS.**—Most successful device for the purpose. Attached to handle only. Does not interfere with action of mower. No. 1 for 12 to 16-inch ordinary mowers, each, \$1.25. No. 20 for large mowers, size 16 to 20-inch, each, \$1.50. Postage 10c to points in Iowa.



**EXCELSIOR WEEDING HOOK.**—Can be used to great advantage among small and tender plants. Price, by parcel post, each, 25c; dozen, \$2.50; by express, each, 20c; dozen, \$2.00.

**CONCAVED AND CURVED SEED POTATO KNIFE.**—Thin and right shape to cut one, two or three eye pieces fast and not crack tuber nor injure germ. Far superior to the ordinary straight blade knives for this purpose. Each, by parcel post, 25c.



**CONCAVED AND CURVED POTATO KNIFE BLUE GRASS STRIPPERS.**—For gathering blue grass seed by hand. Each, by express, \$2.50. Mailing weight, 4 lbs.

**IMPROVED HAND PRUNING SHEARS.**—The best hand shears on the market. Made specially for pruning berry or rose bushes, grape vines, etc. Made of best steel, 8 inches long, straight spring (can't lose out). Price \$1.75. Mailing weight 1 lb. each.

**CONNECTICUT PRUNING SHEARS.**—A good tool for most work. Steel blades, spring and malleable handles. Price \$1.00. Mailing weight 1 lb.

**LANG'S HAND WEEDER**  
HANDIEST TOOL ON EARTH.

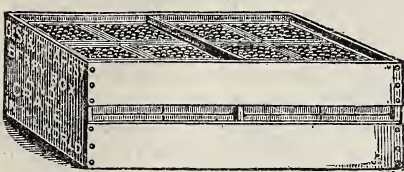


**LANG'S HAND WEEDER.**—Is in our opinion the best; its special feature, a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying it down. Price, 30c postpaid.



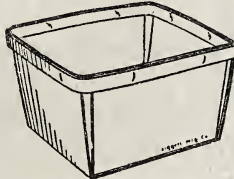
# FRUIT PACKAGES

We are prepared to furnish you the best stock made, at low prices. It pays to have bright stock which will make the fruit look nicer and sell better. Prices named here are subject to change during season. All goods in this department go by freight or express at customer's expense for carriage. If wanted by mail Iowa customers will add 5c per lb. from weights given for each item and send postage necessary.



**BERRY BOXES.**—Shipped flat. Made of the best white wood (spruce), heart stock, cut smoothly, and perfect shape, size 4 3/4 x 4 3/4 x 3 3/4, to hold a dry measure quart. The bottom is set up for ventilation. Price per 100 75c, 1,000 \$7.00. Write for price in quantity. Weight, 15 lbs. per 100.

**A M E R I C A N QUARTS.**—Made up small square baskets holding one dry quart. Sold in made up crates containing 24 boxes. Price for one crate and 24 boxes 60c. Boxes alone, 500 for \$5.00. Crates each 30 cents.



**CRATES.**—Ventilated at sides and bottom, with a tight cover to protect from dust. We ship in the flat or "knock down." They make a neat, strong package holding 24 quart boxes. Price: 24-qt. crates, per 10, \$3.00; per 100, \$27.50. Weight, each 5 lbs.

**CRATE NAILS.**—Far superior to common nails, as they hold much better. Ten pounds (makes 100 crates) \$1.00.

**ANNEALED TACKS.**—Made of the very best Swedes iron and of proper length so that they go through either two or three thicknesses of the material and clinch to hold securely. A lb. will make 1,000 boxes. Lb., 45c; 3 lbs., \$1.35.

**STAPLING WIRE.**—To use with a stapling machine for making boxes. Per coil of 12 lbs., \$2.00; 5 coils, \$8.75.

**MAGNETIC TACK HAMMER.**—Picks up the tacks and saves much of the labor in making up berry boxes. Each, 25c. Mailing weight, 1 lb.

## NURSERYMEN'S SUPPLIES

(For Hand Pruning Shears see page 58.)

**GRAFTING WAX.**—A special preparation for application where trees have been pruned; for preventing the loss of sap from wounds made in bark or from broken limbs and to hold grafts together. Price, 1/2 lb. pkg., 25c, postpaid.

**PRUNING COMPOUND.**—Thoroughly protects the wounds made in pruning, preventing the entrance of moisture, and due to its antiseptic qualities, it prevents the development of fungus diseases. Price, per qt., 75c; gal., \$2.50.

**TREE PRUNER.**—Strong wooden handles 24 inches long; 1 3/4 inch cut; powerful and effective. The best pruner where branches are within reach. Each, \$2.25. Mailing weight 4 lbs.

**WATER'S TREE PRUNER.**—The standard make; with 6 ft. pole, \$2.00; 8-ft. pole, \$2.35; 10-ft. pole, \$2.75. Can't mail.

**TREE LABELS.**—3 1/2 inch, plain, copper wire. Per 100, 45c; per 1,000, \$3.75. Not wired, per 100, 30c; per 1,000, \$2.40. Mailing weight, 4 lbs. per 1,000.

**POT LABELS.**—Smooth wood labels, 4-in. per 100, 30c; per 1,000, \$2.40; 6-in. per 100, 45c; 1,000, \$3.75; 10-in. per 100, \$1.00; per 1,000, \$9.00. Mailing weight, 4-in., 4 lbs.; 6-in., 6 lbs.; 10-in., 10 lbs., per 1,000.

# WINDOW GARDEN SUPPLIES



## FLOWER POTS.

—The following prices per dozen are for pots and saucers: 4-in., 75c; 5-in., \$1.50; 6-in., \$2.10; 7-in., \$3.00; 8-in., \$5.00; 9-in., \$6.50. We make no charge for packing and delivering at depot here. Orders for these must amount to at least \$1.00.

## PAPER FLOWER POTS.

—Made of heavy, strong, waterproof paper. Fine for growing vegetable plants, pansies, asters, etc. You need not disturb roots of plants when setting in the open. 2 1/2-in., by express, doz., 10c; 100 for 65c; 1,000 for \$5.00; 3-in., doz., 15c; 100 for \$1.00; 1,000 for \$8.00; 4-in., doz. 25c; 100 for \$1.50; 1,000 for \$11.00. Postage 10c per 100.

## WIRE HANGING BASKETS.

—Are made of wire; lined with moss and filled with dirt they are very attractive. Light, strong and durable, and have chain attached. By express, 8-in., with enough moss to line it, each 40c, 10-in., each 50c; 12-in., each 60c. If to go by mail add postage for 2 lbs.

## WIRE POT BRACKET.

—An attractive pattern as shown, made of tinned wire. Easily put up and swings right and left. Accommodates pots up to 5-inch diameter. Each, 25c; doz., \$2.50; postpaid.



## SULPHO-TOBACCO SOAP.

—For a cheap, effective, clean and harmless insecticide. Quickly exterminates all insect life on plants and flowers. Unsurpassed for rose bushes. It rids the house of cockroaches. Prevents poultry lice. Three-ounce cake for 1 1/2 gals. solution, postpaid, 15c; 8-oz. cake, for 4 gals., postpaid, 30c. Six 8-oz. cakes, postpaid, \$1.50.

## STIM-U-PLANT

Concentrated food for plants in small tablets to be used as needed. No. 1 pkg. (10 tablets), each 20c; No. 2 pkg. (30 tablets) each 35c; No. 3 pkg. (100 tablets) each 75c. Postpaid at prices named.

## THRIFTY PLANT BARGAIN

**WIRE HANGING BASKET**—One package Stim-u-plant (No. 2 size) and one 8-oz Cake Sulpho-Tobacco Soap, both items mailed postpaid anywhere for only 50c.

ALL WHO KEEP HOUSE PLANTS SHOULD BUY OUR THRIFTY PLANT BARGAIN



# Poultry Supplies



**PLYMOUTH ROCK HEN FOOD.**—This is a scratch food for poultry, which can be fed to all fowls over one month old. It is made from clean, sound grain and contains cracked corn, buckwheat, barley, wheat, sunflower, kaffir corn and milo maize in proper proportions for a complete ration. It does not contain grit of any kind. We have special machinery for preparing this hen food. The cracked corn is screened to take out the meal, and the ingredients are thoroughly mixed. It does not carry any trash, dirt or filler, and fowls will eat every grain. Analysis shows:  $9\frac{1}{2}\%$  protein,  $3\frac{3}{4}\%$  fat,  $2\frac{1}{2}\%$  fibre. Absolutely the best food we can make. Price, not prepaid, 7 lbs. 25c, 15 lbs. 50c. See Farm Seed List for quantity price.

**PLYMOUTH ROCK EGG MASH.**—Prepared after a formula by the Ames Agricultural college as a special mash feed for laying hens. Especially desirable for winter feeding, since it contains meat scraps and alfalfa meal. In addition to meat scraps and alfalfa, it contains wheat bran and middlings, ground oats, kaffir meal and corn meal, with a dash of salt. A complete ration. Analysis of Plymouth Rock Egg Mash shows 15% protein, 8% fibre and 6% fat, a wonderful food value considering its cost. It is to feed dry in hoppers or boxes. Price, not prepaid, 7 lbs. 25c, 14 lbs. 50c. See Farm Seed List for quantity price.

**PLYMOUTH ROCK CHICK FOOD.**—The Plymouth Rock Chick Food is a granulated grain feed for very small chicks, and is used from the time the chicks are hatched until they are large enough to feed Plymouth Rock Hen Food. All the grains used are cracked fine and well screened to remove all the meal, and only the granulated particles are used. The same ingredients are used as are used in the Plymouth Rock Hen Food, except that the buckwheat, barley and sunflower are omitted, while millet is added. Feed with Plymouth Rock Buttermilk Food. Price, not prepaid, 6 lbs. 25c, 13 lbs. 50c. See Farm Seed List.

**PLYMOUTH ROCK BUTTERMILK FOOD.**—A wonderful food for young chicks and growing fowls. Our own formula containing oat flour, brown shorts, linseed meal and dried buttermilk. It is to be fed in dry hoppers or boxes, and in connection with our Plymouth Rock Chick Food you will be astonished at the thrift and growth of chicks so fed. Cracked corn and Plymouth Rock Buttermilk Food is a splendid ration for finishing poultry for market. Analysis shows 15% protein, 4% fat and 7% fibre, a low cost food at the price, measured by results. Price, not prepaid, 4 lbs. 25c, 10 lbs. 50c. See Farm Seed List.

A good laying hen consumes about 100 pounds of feed per year. Suggested daily ration for laying hens as follows: 2 oz. P. R. Hen Food, 2 oz. P. R. Egg Mash, 2 oz. Sprouted Oats or other green feed. Oyster shell, grit and charcoal with fresh water at all times.

**ALFALFA CLOVER MEAL.**—An excellent preparation of alfalfa containing a large amount of digestible protein, especially adapted to be fed with a mash food. Valuable as a winter food. Price, 10 lbs. 50c, 25 lbs. \$1.00. See Farm Seed List for quantity price.

**GROUND MEAT SCRAPS.**—Fresh beef thoroughly cooked and dried; excellent food for young chicks or laying hens. 15 lbs. \$1.00, 30 lbs. \$2.00. See Farm Seed List for quantity price.

**CRUSHED RAW BONE.**—Really better than clam shell, but will pay to use both. Best quality, made from fresh bones. 10 lbs. 75c, 25 lbs. \$1.75. See Farm Seed List for quantity price.

**RAW BONE MEAL.**—Ground fine for feeding small chickens; also used as a lawn fertilizer. Price, 10 lbs. 75c, 25 lbs. \$1.50. See Farm Seed List for quantity price.

**CRUSHED CLAM SHELL.**—Harder than oyster shell, and not dissolving so readily, will serve as grit; contains a large amount of available lime necessary in egg production. Price, 25 lbs. 50c. See Farm Seed List for quantity price.

**CRUSHED OYSTER SHELL.**—A most important article for the poultry yard and should be supplied liberally. Superior quality. Hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. 10 lbs. 30c, 25 lbs. 50c. See Farm Seed List for quantity price.

**CRISCO POULTRY GRIT.**—Well known grit from the South. Harder, sharper and superior in every way to ordinary kinds. It goes further. Both fine and coarse sizes for fowls and chicks. Per 100 lbs. \$1.75. See Farm Seed List for quantity price.

**CHARCOAL.**—Granulated to just the right sizes for either poultry or chicks. The larger size is suitable for feeding hogs. Two sizes, 4 lbs. 25c, 10 lbs. 65c, 25 lbs. \$1.50, 50 lb. bag, \$2.50.



**CALF MEAL.**—Takes the place of milk as a feed for young calves. One pound makes a gallon of feed. Price, 25-lb. bag, \$1.75; 100-lb. bag, \$6.00.

**PIG MEAL AND LAMB FOOD.**—For little pigs or lambs at same quantity prices as Calf Meal.

**EGG MASH.**—A feeding mash for laying hens. 25-lb. bag, \$1.30, 100 lbs., \$5.00.

**BUTTERMILK CHICK MASH.**—For growing chicks and finishing fowls for market. Produces a wonderful growth in young chicks. Price, 4-lb. carton 40c, 25-lb. bag \$1.75, 100 lbs., \$6.00.

**OUR PLYMOUTH ROCK POULTRY FOODS ARE FROM CLEAN, SOUND GRAINS ONLY.**



**REMEDIES—SPECIALTIES**

To care for the various needs of the poultry raiser, and to offer a wide choice, we carry a very complete line of these goods from the best known manufacturers. We have the most complete stock in the West and you can find your favorite item for any need in this list. Prices quoted are not prepaid, except as noted.

In sending postage for items which you want to come by parcel post be sure to add 1 lb. to stated weight of package goods. Postage rate to Iowa points is 7 cents for first pound and 1 cent for each additional pound.

**REMEDIES FOR DISEASE**

	Price	Post-paid
Wolf's Germite, liquid....	\$.50	\$.55
Wolf's Germite, tablets...	.50	.55
Lee's Germazone, liquid...	.75	.85
Lee's Germazone, liquid....	1.50	1.75
Lee's Germazone, tablets...	.65	.75
Conkey's Roup Tablets....	.25	.30
Conkey's Roup Tablets....	.50	.60
Conkey's Roup Powder....	.25	.30
Conkey's Roup Powder....	.50	.60
Conkey's Roup Powder....	1.00	1.10
Pratt's Roup Tablets....	.25	.30
Pratt's Roup Powder....	.25	.30
Dr. Hess Roup Powder....	.25	.30
Dr. Hess Roup Powder....	.50	.60
Conkey's Cholera Powder...	.50	.60
Conkey's White Diarrhea...	.50	.60
Conkey's White Diarrhea...	.25	.30
Head Lice Ointment.....	.25	.30
Conkey's Scaly Leg Remedy	.25	.30
Limber Neck Remedy....	.50	.55
Conkey's Poultry Laxative	.25	.30
Conkey's Worm Remedy...	.25	.30
Barnes' Worm Emulsion...	.60	.70
Barnes' Worm Emulsion...	1.00	1.25
Lee's Pty. Wormer (12 oz.)	1.00	1.10
Lee's Pty. Wormer (32 oz.)	2.00	2.10

**PREPARED FOODS.**

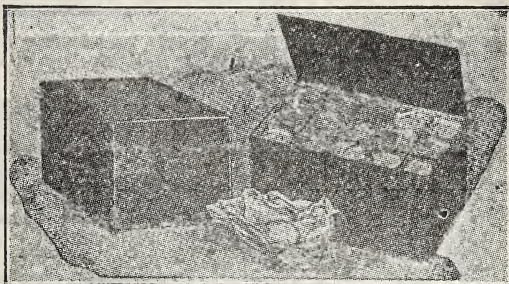
If by mail add postage.	Weight	Price
Wolf's Egg Maker.....	1 lb.	\$.25
Wolf's Egg Maker.....	3 lbs.	.50
Dr. Hess Panacea.....	1 lbs.	.25
Dr. Hess Panacea.....	5 lbs.	.75
Dr. Hess Panacea.....	12 lbs.	1.50
Dr. Hess Panacea.....	25 lbs.	3.00
Pratt's Poultry Regulator	1 lb.	.25
Pratt's Poultry Regulator	4 lbs.	.50
Pratt's Poultry Regulator	9 lbs.	1.10
Pratt's Poultry Regulator	12 lbs.	1.40
Pratt's Poultry Regulator	25 lbs.	3.00
Lee's Egg Maker.....	2 lbs.	.40
Lee's Egg Maker.....	5 lbs.	.90
Conkey's Poultry Tonic...	1 1/2 lbs.	.25
Conkey's Poultry Tonic...	3 1/4 lbs.	.50
Conkey's Y. O.....	1 lb.	.55
Conkey's Y. O.....	2 lbs.	1.00
Dr. Hess Stock Tonic...	2 lbs.	.25
Dr. Hess Stock Tonic...	4 1/2 lbs.	.50
Wolf Sure Egg.....	1 lb.	.50

**LOUSE POWDERS.**

Add postage if wanted by mail.	Weight	Price
Wolf's Vermite.....	1 lb.	\$.25
Wolf's Vermite.....	2 1/2 lbs.	.50
Lee's Louse Powder....	1 lb.	.25
Lee's Louse Powder....	2 1/2 lbs.	.50
Conkey's Lice Powder...	1 1/4 lbs.	.35
Conkey's Lice Powder...	3 lbs.	.75
Sodium Flouride.....	1/2 lb.	.25
Sodium Flouride.....	1 lb.	.50

**LIQUID LICE KILLER.**

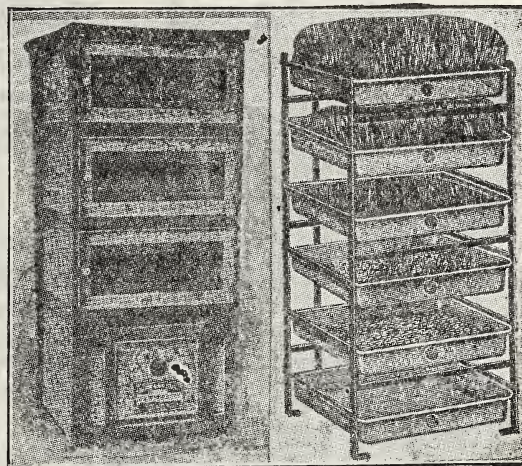
By Express Only; Cannot Be Mailed.	Weight	Price
Conkey's Lice Liquid....	1 qt.	\$.60
Conkey's Lice Liquid....	2 qts.	.90
Conkey's Lice Liquid....	4 qts.	1.50
Lee's Lice Killer.....	1 qt.	.60
Lee's Lice Killer.....	2 qts.	.90
Lee's Lice Killer.....	4 qts.	1.50
Humane Lice Killer.....	1 qt.	.60
Humane Lice Killer.....	2 qts.	.90
Humane Lice Killer.....	4 qts.	1.50
Humane Fly Spray.....	1 qt.	.60
Humane Fly Spray.....	2 qts.	.90
Humane Fly Spray.....	4 qts.	1.50



**CORRUGATED EGG CASE.**—Like picture but shipped in flat, saving freight or express charges. We recommend them for shipping eggs for hatching as they carry safely. Price, 15-egg size \$2.10 per doz.; 30-egg \$3.00 per doz.; 50-egg \$4.00 per doz.; 100-egg \$6.00 per doz. Mailing weight, 15-egg size, 1 lb.; 30-egg size, 2 lbs.; 50-egg, 3 lbs. each.

**LIVE CHICK BOX.**—Made from corrugated paper with ventilating holes in top and sides; for shipping small, live chicks. 25-chick size, \$1.65 per doz.; 50-chick size, \$2.25 per doz.; 100-chick size, \$3.50 per doz. Mailing weight, 25 size, 2 lbs.; 50 size, 4 lbs.; 100 size, 6 lbs.

**MOE'S OAT SPROUTER.**—Made entirely of metal. Sprouter has six heavy galvanized iron pans. Five of the pans have perforated bottoms for drainage, and bottom pan is solid to hold drippings. Pans are interchangeable. Can be taken apart and stored in a small space. Total height of frame 3 ft. Size of pans 16 in. by 18 in. Packed knocked down 1 in a crate. Shipping weight 30 lbs. Price, each, \$6.

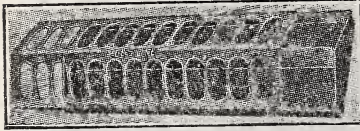


SUCCESSFUL GRAIN SPROUTER MOE'S OAT SPROUTER

**SUCCESSFUL GRAIN SPROUTER**

For sprouting oats or other grain for poultry. Made entirely of galvanized steel in sections as shown in illustration. Each section holds two trays for grain. Sections interchangeable and sprouter may be enlarged by additional sections. Five sizes. No. 1.—Base and 1 Section, wt. 50 lbs.—2 trays, holds 8-10 qts. dry grain (30 to 60 hens)...\$12.00  
 No. 2.—Base and 2 Sections, wt. 70 lbs. 4 trays, holds 16-20 qts. dry grain (75 to 100 hens) 15.00  
 No. 3.—Base and 3 Sections, wt. 85 lbs. 6 trays, holds 24-30 qts. dry grain (130 to 200 hens) 18.00  
 No. 4.—Base and 4 Sections, wt. 100 lbs. 8 trays, holds 32-40 qts. dry grain (250 to 300 hens) 21.00  
 No. 5.—Base and 5 Sections, wt. 115 lbs. 10 trays, holds 40-50 qts. grain (400-600 hens) 24.00  
 Each additional Section and 2 galvanized all-steel trays, wt. 20 lbs. .... 4.50





**MOE'S DOUBLE FEED TROUGH.**—Holds mash on one side, feed or water on the other. Sliding top makes it easy to fill or clean. See cut. 12-in., each 35c; 18-in., each 50c; 24-in., each 60c. Mailing weights, 12-in. 1 lb.; 18-in., 2 lbs.; 24-in., 4 lbs.

**MOE'S CAPACITY FEEDER.**—No. 140.—Capacity 10 quarts, length 21 inches, width 8½ inches, height 7 inches, weight 4 lbs. Price, \$1.30 or \$1.40 postpaid to Iowa points.

**EXTRA HOPPER.**—Fits on top of No. 140 feeder and adds 5 quarts capacity. Price 60 cents or 70 cents, postpaid to Iowa points.

**MOE'S CAPACITY FEEDER.**—No. 141.—Capacity 17 quarts, length 35 inches, width 8½ inches, height 7 inches, weight 8 lbs. Price \$1.90 or \$2.00 postpaid to Iowa points.

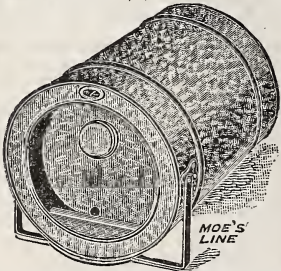
**EXTRA HOPPER.**—Fits on top of capacity feeder and gives room for 9 quarts additional feed. Price each 85c or 90c postpaid to Iowa points.

**MOE'S TOP FILL FOUNTAIN.**—Won't slop over. Dead air space keeps water cool in summer, warm in winter. Simple in construction. Remove cover and fill from top. Water ceases to flow when cover is removed. By exp. 1-gal., \$1.60; 2-gal., \$2.30; 4-gal., \$2.85. Mailing weights: 1-gal. 3 lbs.; 2-gal. 5 lbs.; 4-gal. 10 lbs.

**MOE'S GRIT AND SHELL BOX.**—Has three compartments for grit, shell and charcoal; galvanized iron. Can be used as feed hopper for small chicks; ½ pk., by express 85c. Weight 4 lbs.

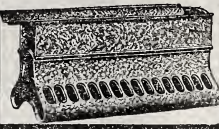
**MOE'S DRY MASH HOPPER.**—As shown by illustration, this hopper is devised to permit fowls access to the feed without scattering or wasting. Three sizes—No. 35, 10 qts., each \$1.60. No. 36, 14 qts., each \$1.90. No. 37, 32 qts., each \$2.75. Postage 10 cents additional to Iowa points.

**MOE'S INSULATED DOUBLE WALL FOUNTAIN.**—Heavy galvanized iron, double walls packed with an efficient insulating material. Large filler opening so is easily kept clean and sanitary. Keeps water warm in winter, cool in summer. Easy to fill and clean and feeds automatically. Capacity 3 gallons. Price, \$3.60.

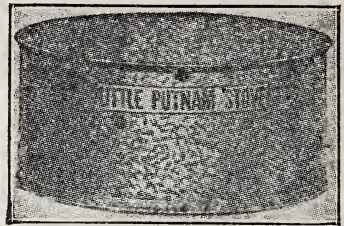


MOE'S INSULATED FOUNTAIN

**REMOVE SLIDING TOP TO FILL**



140 FEEDER AND HOPPER



**LITTLE PUTNAM STOVE.**—The combustion is complete and perfect, doubling the heat value of the oil. The oil tank holds three pints and burns three to four weeks without refilling or any other attention. The wick never needs trimming, is 8 inches in diameter, 4 inches high, made of galvanized iron and brass. With any kind of fair usage it will last for many years. Price, \$2 each, postpaid in Iowa.

**PUTNAM BROODER HEATER.**—For use in homemade brooders. Burns ten days without attention. Fireproof, burns but little oil. Price, \$4.75, postpaid in Iowa.

**WIRE HEN'S NEST.**—Strongly made of heavy wire; will last a lifetime. No room for lice to find a lodging place; easily kept clean. Each 25c, doz. \$2.80, not prepaid. Weight, 1 lb. each.

**MOE'S TRAP NEST FRONTS.**—Made of galvanized iron, size 11x12 inches, size of opening 8x9 inches. Can be easily fitted to wood box or coop. Automatic and door is hinged, making it easy to remove the hen or clean the nest. Weight each, 1 lb. Price, 50c.

**STAR FOUNTAIN.**—Made for Mason jar (see illustration below) but is star-shaped. Not so much water exposed, and fowls cannot pollute it while drinking. Each 15c, postpaid. By exp., doz., \$1.20.

**IOWA SHIPPING COOPS.**—All wood. Sides and end pieces nailed together with cleats so that coops are readily made in using form. As shown by cut coops are ventilated front and back and top is covered with slats, giving thorough ventilation. Cleats around upper and lower end make it easy to handle.

No. 1—18x12x20 in., 6 lbs., ¼ doz., \$2.00; 1 doz., \$7.20.  
No. 3—20x18x20 in., 10 lbs., ¼ doz., \$2.75; 1 doz., \$10.50.  
No. 5—30x20x20 in., 14 lbs., ¼ doz., \$3.25; 1 doz., \$12.00.



TOP FILL FOUNTAIN



GRIT AND SHELL BOX



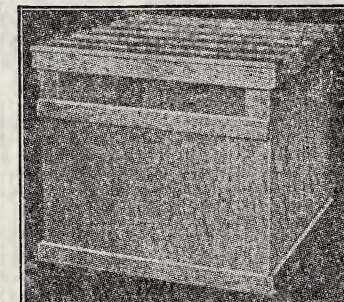
DRY FEED HOPPER



TRAP NESTS

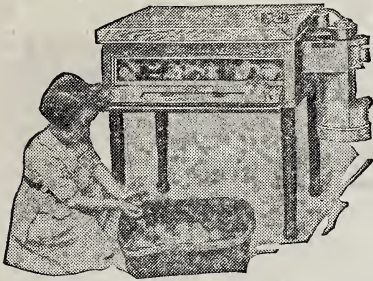


STAR FOUNTAIN



IOWA SHIPPING COOP





**BUCKEYE INCUBATORS**

Ask for free Buckeye Catalogue.

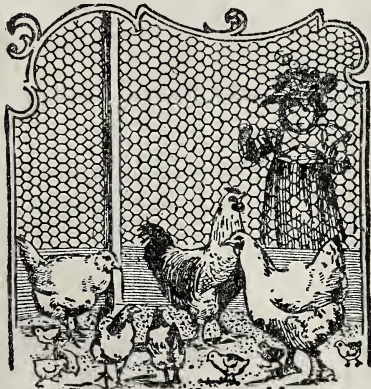
No. 1 Standard,	110-egg, double wall	\$ 30.00
No. 2 Standard,	175-egg, double wall	35.00
No. 3 Standard,	250-egg, double wall	46.50
No. 4 Standard,	350-egg, double wall	55.00
No. 5 Standard,	600-egg double wall	87.50
No. 40 Standard,	1144-egg, double wall	250.00
No. 14E Special,	65-egg, single wall	16.50
No. 16E Special,	110-egg, single wall	22.50
No. 17E Special,	210-egg, single wall	30.00

**BUCKEYE BROODERS**

No. 27A Blue Flame,	200 chicks	\$16.75
No. 80 Blue Flame,	350 chicks	17.50
No. 81 Blue Flame,	500 chicks	18.50
No. 117 Colony (coal)	350 chicks	14.75
No. 118 Colony (coal)	500 chicks	18.50
No. 119 Colony (coal)	1000 chicks	22.50
No. 28A Giant Flame,	350 chicks	19.50
No. 29A Giant Flame,	500 chicks	21.00

**BUCKEYE ELECTRIC HOVER**

No. 90 Capacity 50 chicks	\$14.50
No. 91 Capacity 100 chicks	19.75
No. 92 Capacity 200 chicks	24.75



**POULTRY NETTING**

We can supply both the hexagon mesh and also the square mesh at same price.

The best make; thoroughly galvanized before weaving, to prevent rusting, and properly twisted. Prices are subject to important market changes.

Made of No. 19 wire and 2-inch mesh; put up in rolls 150 feet in length.

Width		Width	
Inches	Per Roll	Inches	Per Roll
12	\$ 2.00	36	\$ 5.00
18	3.00	48	7.00
24	3.80	60	8.50
30	4.50	72	10.00
One-inch mesh, No. 20 wire, for young chicks and Belgian hares.			
12	\$ 4.00	30	\$ 9.00
18	6.00	36	10.00
24	7.50	48	13.25

5 per cent discount on 5 rolls or more. Cut rolls, any width, 2-inch mesh, 2c per sq. ft.; 1-inch mesh, 4c per sq. ft.

**GALVANIZED STAPLES.**—For fastening wire poultry netting, 15c per lb.



**LEADER LEG BAND—No. 2**  
—An adjustable band which can be used for any sized fowl from a bantam to a turkey. Made of aluminum, light and smooth. Dozen 15c, 100 75c. postpaid. 500 not prepaid, \$3.50.

**LEADER LEG BAND—No. 1**—For bantams and small breeds. Doz. 20c, 100 75c, postpaid.

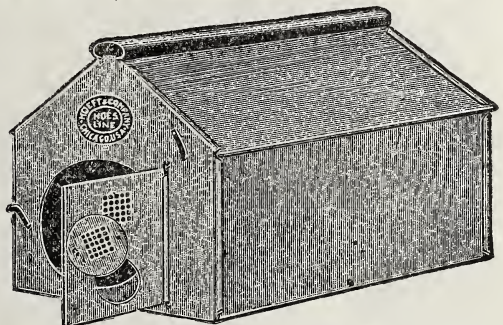
**SPIRALET LEG BANDS.**—Made of celluloid in six sizes and ten colors. Spread easily to put on leg of fowl. Have no sharp edges and are easy on the fowl's legs. Sizes: Asiatic, American, Mediterranean, Bantam, Pigeon and Baby Chick. Specify number of each color wanted. Prices, 3 largest sizes, per doz. 15c, 100 75c, 1,000 for \$6.50, postpaid; 3 small sizes, dozen 15c, 100 65c, 1,000 for \$5.50, postpaid.

**BUCKEYE RITEHEAT OIL COMBUSTION BROODER.**—No wicks, no chimneys, no gas. Oil feeds automatically from tank outside the chick compartment. Safe and economical.

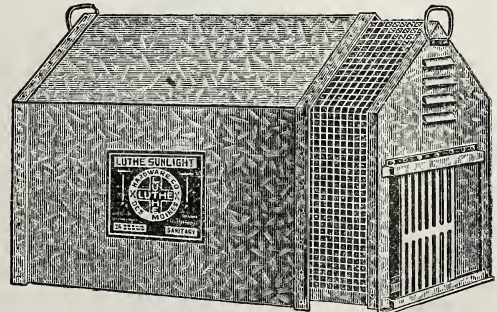
No. 101—Capacity 500. Price.....\$26.50  
No. 102—Capacity 1000. Price.....31.50

**CROWN BONE CUTTERS.—No. 1**—Weights 50 lbs.; is to be bolted to bench or table. Each, \$12.

**No. 2.**—Same as above, but has a tripod metal stand upon which cutter is fastened. Weight 80 lbs. Each \$15.00.



**MOE'S BROOD COOP.**—Made of heavy galvanized iron of best quality. Bottom is removable for cleaning. Adjustable door. Shipped knocked down. Easily set up. Size 16-in. wide, 16 in high, 23 in. long, weight 12 lbs. A good coop at a low price. Price each, \$2.00; doz., \$22.00.



**SUNLIGHT BROOD COOP.**—An all metal coop as shown in illustration. Size of coop 18 in. wide, 24 in. long, 19 1/2 in. high, while the wire park is practically the same size. The pen telescopes into the coop portion if desired and has handles by which it is moved. Each \$4.00, six for \$22.00.



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The Royal Asters of the most popular form. The collection consists of one packet each of ROYAL RED, ROYAL WHITE and ROYAL BLUE, postpaid for only 30 cents.

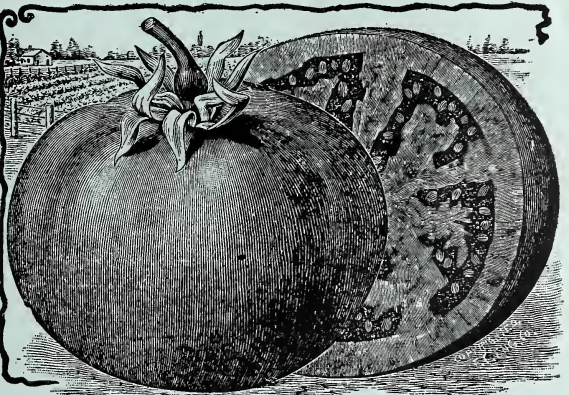
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A Complete Garden at a Cost of Only \$1.25

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  - 1 pkt. Salsify, Sandwich Island ..... .05
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  - 1 pkt. Tomato, Bonny Best ... .. .10
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- 1 pkt. Escholtzia, Golden West ..... .10
- 1 pkt. Four O'Clock, Mixed Colors ..... .05
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- 1 pkt. Pansy, Giant Trimardeau ..... .10
- 1 pkt. Petunia, Grandiflora, Mixed ..... .10
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- 1 pkt. Salvia, Splendens ..... .10
- 1 oz. Sweet Peas, Spencer Mixed ..... .25
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- 1 pkt. Zinnia, Robusta Mixed ..... .10
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PRICE - \$1.25  
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DES MOINES SEED CO.

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