

# GOLDEN HARVEST Catalogue

OF  
SEEDS  
PLANTS  
BULBS  
FOR FALL  
PLANTING



## IOWA SEED CO

DES MOINES, IOWA.





# Golden Harvest Catalogue



## To Our Customers :

The success of the seed dealer depends on the success of his customers and in looking over our spring orders it is pleasing to note that they not only averaged larger in size than previous years, but there were also far more of them than ever before, and we therefore most sincerely thank our customers for having given us the most prosperous season that we have ever had. The people have learned to have confidence in our Choice Iowa Seeds and know that they can be depended on. This small catalogue is sent to only a few of our customers whom we believe would be specially interested in it, and we request that you thoroughly examine all parts of this brief list.

There are many things which can be planted to advantage in the fall and everyone who loves flowers should set out at least one bed of Dutch Bulbs for early spring blooming. They prolong the season of garden flowers about two months. They are also the main dependence for winter blooming in the house. Autumn is also a favorable season for making lawns and setting out strawberry plants.

There will be an immense demand for seed wheat this year owing to the fact that our special varieties of winter wheat have yielded so immensely during the past three seasons when compared to the older sorts. The average yield of wheat in this state for the past ten years has been only fourteen bushels per acre, but our improved Turkish Red Winter Wheat produced the wonderful, prodigious crop of **SIXTY BUSHELS PER ACRE** lacking only twelve pounds. Just think of that for a crop; fifty-nine and four-fifths bushels per acre on a carefully measured field.

**START RIGHT** this year by purchasing our best Defiance Turkish Red Seed Wheat and prepare for a big crop in 1903. There will be a great call for it. Order early.

**PERMANENT PASTURES** Fall is undoubtedly THE season for sowing most kinds of grass seeds. Unless the weather is extremely dry they usually do better than when sown in the spring; they have the advantage of several months' growing weather, they come up early and vigorously in the spring and make a full crop the first year. Read our description of the various kinds and especially of our mixtures for permanent pastures and meadows and don't fail to try them this year.

**SUGGESTIONS TO CUSTOMERS** Please order early. We ship all heavy goods by freight by the most direct and cheapest route, unless otherwise instructed. Our prices in this catalogue include cost of bags for shipping in and delivering on cars at Des Moines. Purchaser pays the freight, but as wheat is shipped at fourth class and timothy and clover at third class rates, the cost of transportation is small. Our terms are Cash with order. We refer you by permission to the Valley National Bank of this city, or to any commercial agency as to our responsibility. We do not care to make shipments C. O. D. unless at least one-third of the amount is sent with order as a guarantee of good faith. If you prefer, however, you can have your banker or some responsible merchant there guarantee payment and you can pay on arrival of goods. We prepay postage on plants and bulbs.

**ABOUT WARRANTING.**—We thoroughly test all our seeds and nothing is sent out that we do not believe to be good in every respect. Still, when it is considered how many are the contingencies on which the success of any crop depends, such as sowing too deep or too shallow, too wet or dry soil, unfavorable weather, insects, etc., our customers will readily see that it would be sheer folly for anyone to warrant them to grow and produce a perfect crop, and we want it plainly understood that while we exercise great care to have all seeds pure and reliable, and also true to name, we give no warranty express or implied.

Our experience of over a **QUARTER OF A CENTURY** in the seed business should convince you of our ability to please customers.

**IOWA SEED CO.,** DES MOINES,  
IOWA.

**GERMAN SEED CATALOGUE.**—Published in January, ask for a copy if interested.



## Dwarf Essex Rape

The great summer and autumn crop. Of com-

paratively recent introduction in this country, but has proved to be the **MOST VALUABLE FORAGE PLANT IN EXISTENCE** for many sections of the country. It is easily grown everywhere, can be sown early with a grain crop, but is usually sown in June or July in a field with corn or potatoes for summer or fall pasture. Can be sown as late as September, as it is ready for pasturing in about a month after sowing. It produces a wonderful amount of feed. While it is the ideal food for sheep, still it is of equal value for hogs and cattle, as they are very fond of it, and it is extremely cheap, having yielded twenty tons of fodder per acre. It is well to make several sowings during the season. Can be sown in stubble after oats, wheat, etc., and makes a fine fall pasture. Our seed is the best quality imported direct from Essex, England, and cannot be surpassed. Per pkt. 5c. lb. 30c, 3 lbs. 75c, postpaid. By freight; 5 lbs. 10c. 10 lbs. 80c, 25 lbs. \$1.75, 100 lbs. \$6.50.



# SEED WHEAT.

**T**HERE are thousands of farmers in every county in Iowa and also in the surrounding states who think they cannot grow wheat profitably simply because they have tried some of the old worn out varieties with little success. During the past few years many farmers have proved that there was more

## Money in Growing Wheat

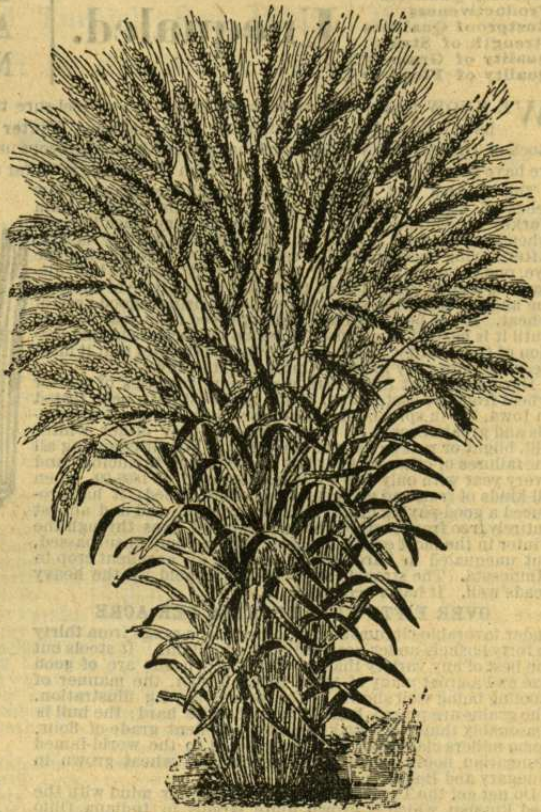
than in any other farm crop, and it all comes from sowing the improved varieties that we are offering. The advantage of growing winter wheat lies in the fact that the ground can be prepared and the seed sown at a time when most of the farmers have time to spare and the crop thereafter takes care of itself until harvest. It is a great advantage to have the crop in so that it will not take time during the busy spring season. Another thing is that our varieties of winter wheat usually far outyield any kind of spring wheat. They mature early and thus escape some disastrous summer storms. They are hard and make a choice quality of flour.

The advantage of using the new and improved varieties cannot be overestimated. Hon. Isaac Morton is authority for the statement that "One quart of a new variety of wheat taken into Preble county, Ohio, had in nine years benefited the farmers of that county more than \$100,000.00 over what they would have had if they had continued raising the old varieties." Just think of the wonderful increase which would add that immense amount to the value of the crop without added expense to the farmers! A few dollars invested in an improved variety of wheat will bring rich returns and may lay the foundation for a gain in your own crop which will amount to thousands of dollars. There are many eastern varieties, however, which in spite of the eloquent descriptions, high testimonials and great records in other localities, prove utter failures here, as our soil and climate are not at all adapted to their culture. On the other hand *any variety which will withstand*

*the severe seasons here will almost without exception prove of superior merit elsewhere.*

**DON'T SOW WHEAT** of the old worn out varieties, which are not as reliable as they used to be. Don't sow wheat that has not been thoroughly re-cleaned. Our electric cleaning machinery cannot be surpassed. Change your seed this year by obtaining your seed wheat from some place away from your own county. Our interests and the farmer's are mutual. We want you to prosper this year, knowing that a pleased customer is our best advertisement. We use great care in growing, selecting, cleaning and testing our seeds so as to have them pure and reliable, still errors will sometimes occur in the best regulated houses, and when it is considered that we have no control over the soil, manner of planting or weather condition we want it understood that we give no warranty expressed or implied. We test our seeds and will send samples on application from prospective purchasers which will show quality of grain and afford an opportunity for you to test its vitality.

**NOW FINALLY** Don't fail to grow wheat this year. Don't fail to sow the Defiance, no matter whether you live in Minnesota or Texas, California or New England. It is strong, vigorous and hardy, adapting itself to almost any soil or climate.



DEFIANCE WINTER WHEAT.

For many years it was thought that winter wheat could not be grown successfully in Central Iowa, as there is comparatively little snow and much of the winter the ground is bare. The temperature frequently falls to 25 to 30 degrees below zero and the frost penetrates to a depth of four or five feet, but with the introduction of the Defiance and the Turkish Red winter wheat a new era has opened for wheat growers here.

**SAMPLE FREE** If you expect to sow wheat this fall ask for a sample of our Defiance, and see for yourself what it looks like. See how hard and flinty the grains are. Cut the kernel across and see how flinty it is, quite different from the ordinary soft starchy wheat, thus showing that it has more gluten or life-giving qualities.

**ONE WORD MORE** Order early, as stock is somewhat limited and there is sure to be a big demand. Order immediately and if you wish we will delay shipping until you have seen sample.

It now looks as though the supply of Defiance would not be equal to the demand, and prices are subject to important market changes. If a large quantity is wanted ask for quotations.



# Defiance Winter Wheat

A GRAND NOVELTY OF 1900.

Hardiness  
Stooling Qualities  
Productiveness  
Rustproof Qualities  
Strength of Straw  
Quality of Grain  
Quality of Flour.

## Unequaled.

The Best in all Respects of  
Any Wheat  
Now Offered for Seed.

WE KNOW that this is considerable to say, but we feel sure that any farmer who tries this grand sort will have it proved to his satisfaction. Our **Defiance Winter Wheat** has been selected from the choicest stock of Turkish Red Wheat, which has yielded immense crops under ordinary conditions. By careful selection we have secured this excellent variety which we believe to be far superior to any other on the market.

The Turkish Red Winter Wheat originated from a few seeds of wheat which were brought to this country from Turkey in a shipment of rye. It appears very much like rye when growing, and is just as hardy as any variety of rye. After having been grown for several years mixed with the rye, one enterprising farmer who thought that he had discovered a good thing, pulled the heads out at time of harvesting and the following year secured a surprisingly good crop of wheat. It has been selected and improved from year to year until it is beyond comparison in value for farmers in this section of the country, and it has established the fact that it most decidedly does pay to grow winter wheat in Iowa.

During the past few years many new varieties of winter wheat from the east, north, south and west have been tested in Iowa, but in spite of eloquent descriptions, high testimonials and great records in other sections, they either winter kill, blight or rust so as to be worthless. Notwithstanding all the failures of other sorts, it has proved to be invincible, and every year with only one exception (season of 1898-99, when all kinds of fruit and even oak trees were killed) it has produced a good paying crop. It is strictly iron-clad and almost entirely free from rust, blight and scab and lives through the winter in the most exposed places. It is not only unsurpassed, but unequalled in hardiness, producing an excellent crop in Minnesota. The straw is stiff enough to hold up the heavy heads well. It has a record of

### OVER FIFTY-FIVE BUSHEL PER ACRE

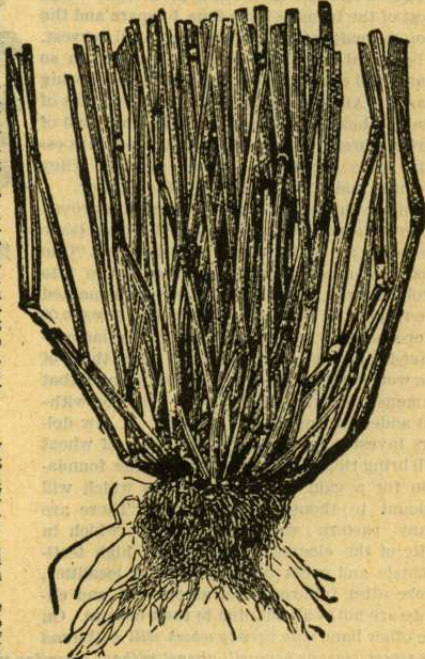
under favorable circumstances; other crops range from thirty to forty bushels under very ordinary conditions. It stools out the best of any variety that we know of; heads are of good size and a great many of them to each root, the manner of stooling being well shown by the accompanying illustration. The grains are plump, handsome and quite hard; the hull is reasonably thin and it makes a most excellent grade of flour. Some millers claim that it is fully equal to the world-famed Hungarian flours made from the choicest wheat grown in Hungary and Bohemia.

Do not get the Turkish Red confused in your mind with the Red Russian, which is grown quite largely in Indiana, Ohio and other parts of the East and is also sold under the name of Harvest King. It is much more tender than the Turkish Red and cannot be depended on to stand our winters in central Iowa, as it is quite apt to rust here. Do not fail to grow the Defiance strain of Turkish Red Wheat which is so far superior to all others.

**PRICE.**—DEFIANCE WINTER WHEAT.—By mail postpaid 25 cts. per lb., 3 lbs. 60 cts. By freight, including bags to ship in (purchaser to pay freight charges) per peck 50 cts., bushel \$1.75. Bag of 2½ bushels \$4.00; 4 bags (10 bushels) \$15.00. If a large quantity is wanted ask for special quotations.

## Read the State Report.

The Iowa State Experiment Station says that the **TURKISH RED WINTER WHEAT** turned out exceptionally well, going through the winter without the slightest injury and yielding **Fifty-five and three-tenths bushels per acre.** The milling quality is of the highest order. It outyielded all the other eighteen varieties of winter wheat tested with it, the average yield of the eight bald varieties in same test being only seventeen and one-third bushels per acre.



GROWN FROM ONE SEED.

August 4.—The Defiance Winter Wheat purchased from you yielded 36 bushels per acre on my place this year.—S. T. Elder, Fremont county, Iowa.

July 30.—The winter wheat purchased from you last fall made a good growth and a heavy yield. I am well pleased with it and think it much better than spring wheat, as it gets ripe before hot weather.—George Quint, Monona county, Iowa.

July 25.—I am pleased with the Defiance Winter Wheat purchased from you last year. It is the best wheat in the neighborhood, and outyields other varieties of wheat about 60 per cent. The spring wheat grown here was so badly injured by chintz bugs this year that it has about all been cut for hay.—Hans Schade, Howard county, Neb.

July 26.—My crop of the Improved (Defiance) Turkish Red Winter Wheat grown from your seed this year was much better than my old stock, producing thicker, taller grain, and yielding 20 per cent more. It is far superior to all other varieties of winter wheat ever grown here on account of its great productiveness, good growth and power to withstand Nebraska's severe weather.—John Bride, Saunders county, Neb.



# READ THE RECORD.

Our Defiance or Improved Turkish Red Winter Wheat is the best yielding sort in the World. Produces

→ 35 to 60 Bushels per Acre. ←

July 17.—Last season I purchased some of your Defiance Winter Wheat, and although the crop was injured by severe rain and windstorm, it yielded about 40 bushels per acre.—Alex McClure, Page County, Iowa.

July 21.—I am much pleased with the Defiance Winter Wheat purchased from you last fall and it is the best wheat that I have ever grown in my thirty years' experience and far better than any other variety grown in this section.—John A. Roberts, Wapello county, Ia.

The ten bushels Improved Turkish Red Winter Wheat purchased from you last fall was sown on 7½ acres of ground, and we have just harvested crop of 40 bushels per acre in spite of the season being somewhat unfavorable. Have already contracted the entire crop to neighbor farmers at \$1.00 per bushel.—C. F. Horton, Plymouth county, Iowa.

July 21.—The Defiance Winter Wheat, purchased from you last fall has proved a grand success, although it was not sown until the middle of October, and was then sown broadcast and disked in so that it barely got a start in the fall. The ground was without snow protection all winter and this proves it to be an extremely hardy variety.—A. J. Bodie, Lincoln County, S. D.

July 27.—I have been growing your Improved Turkish Red Winter Wheat several years and am very much pleased with it. It yielded on my place **45 BUSHELS PER ACRE**, and the crop varies from 31 to 45 bushels for me. In fact, I find that I can grow more wheat by sowing this variety every other year than by sowing spring wheat every year. I seed heavy, 2 bushels per acre, and disk the ground both ways, but do not harrow it.—W. A. Drake, Warren County, Iowa.

In his report of August 1900, Prof. James Atkinson, of Story county Iowa, says that the average crop of Turkish Red Winter Wheat there for seven years was 45 bushels per acre, and on one of his fields this year it **YIELDED 59 4-5 BUSHELS PER ACRE**. In another field the yield was 58 bushels per acre. Just think of that for a crop. What is the use of growing ordinary varieties of wheat of which the average yield in this state is only 14 bushels per acre, when you can just as well grow 45 to 60 bushels per acre at no greater expense?

July 23.—I sowed the two bushels of Defiance Winter Wheat purchased from you, on September 10th on 1½ acres of land which had been in cultivation for 32 years. It stood the severe winter well and I cut the crop on July 1st, threshed it July 12th, and it yielded a little more than 47 bushels per acre. My other winter wheat yielded only 24 bushels per acre. I will sow 20 bushels the coming season and have already sold the balance of my crop to neighbors at \$1.50 per bushel.—J. A. Well, Neosho county, Mo.

August 4.—We sowed your Defiance Turkish Red Winter Wheat on September 18th, one bushel per acre, harvested crop June 26th; threshed August 1st. The average crop was 34 bushels in spite of a hailstorm which hurt the crop several bushels per acre. Have grown wheat here for ten or twelve years. Your wheat did not go to straw as much as my Turkish Red, and was ready for harvest about a week earlier. It was of good quality, and the best yield I have heard of in this section of the country.—S. M. Haynes, Nemaha County, Neb.

July 24.—The Defiance Turkish Red Wheat purchased from you yielded 440 bushels from 14 acres, or an average of 31½ bushels per acre.—Geo. W. Hogle, Linn county, Iowa.

July 24.—I am pleased to say the Defiance Winter Wheat purchased from you last year was a good success, yielding 35 bushels per acre.—L. Eskildsen, Hamilton county, Nebraska.

July 29.—The Defiance Winter Wheat yielded 25 bushels from one bushel sown on less than an acre, and it weighed 60½ pounds per bushel before cleaning.—S. C. Miller, Poweshiek county, Iowa.

July 26.—The Defiance Turkish Wheat was badly hurt by dry weather and Hessian flies, but still it made 28 bushels per acre. I am well satisfied with it.—W. J. Geld, Dickinson county, Kansas.

July 27.—The Defiance Winter Wheat purchased from you last year, yielded 20 per cent better than Turkish Red grown on same soil, and the berry was plumper.—J. F. Olson, Saunders county, Neb.

July 22.—The Defiance Winter Wheat produced 36 bushels per acre on my place this year, which is 16 bushels more than the average in this vicinity. I consider it all right.—T. G. Ashley, Andrew county, Mo.

July 30.—The Defiance Winter Wheat purchased from you last fall yielded a much better crop than other varieties, and I consider it the best to sow in this section of country.—Sanford Johns, Andrew county, Mo.

July 18.—The Winter Wheat received from you has done well, the crop being now estimated at 40 bushels per acre, although it was planted on low ground and badly damaged by storms.—W. E. Potter, Carroll county, Iowa.

July 24.—I am much pleased with the Defiance Winter Wheat purchased from you. It was sown on a north hillside; came through the winter in fine shape, stood well and is free from rust.—Isaac W. Fuller, Lewis county, Missouri.

July 20.—I am very much pleased with the Defiance seed wheat bought of you last year. The 2½ bushels which I sowed made 70 bushels of good heavy wheat. I will sow every bushel of it this year.—John Esam, McPherson county, Kansas.

## IN REGARD TO MONSTER WINTER RYE.

July 18.—The Monster Winter Rye which we purchased from you last fall has proved quite satisfactory.—Wood Bros., Warren county, Iowa.

Aug. 1.—I have grown this season a splendid crop of the Monster Winter Rye from seed purchased from you, and can fully recommend it as being adapted to this section of the state. It produced a better crop than any others grown here.—Fred Bogert, Lee county, Ia.

July 17.—I have just finished harvesting the crop of Monster Winter Rye grown from seed purchased from you and it is the finest I ever saw, and I have raised rye all my life. The heads are very large and heavy and the bundles "weigh like lead" in shocking them. The grain is large and the handsomest ever grown here.—Wm. Hester, Dallas county, Iowa.



# Turkish Red WINTER WHEAT.

The best variety on the market except the Defiance. While we believe that it will pay farmers to secure the best, still this will be found to be superior to most of the seed wheat now on the market and will doubtless please all customers. It is not as highly bred or as closely selected as the Defiance, but price is lower. Remember that this is not a new or untried variety, as it has been grown in Iowa for nearly twenty years and stood a temperature of 80 degrees below zero. It also stood more than 40 degrees below zero in Minnesota. It has never winter-killed except the season of 1898-99, when clover, grass, fruit, and even oak trees winter-killed owing to the dry fall and extreme cold weather without snow. Other years when the Fultz, Mediterranean, Michigan Amber, Harvest King, Poole, Russian Red and other varieties killed out very badly or rusted so as to be worthless, the Turkish Red came through in fine condition and yielded a bountiful crop. It is naturally a big yielder, a sure cropper and there is no danger of its freezing out. It has given such excellent satisfaction in Minnesota that there they have renamed it the "Reliable Minnesota," or "Bearded Fife." Kernels are red, have a thin husk, very hard and rich in gluten. We believe that there is no other variety in existence except the Defiance that will give as good satisfaction in every respect, that will produce as large a crop under ordinary conditions, that will make as much good flour per bushel or weigh as heavy per struck measure as the Turkish Red. It yielded forty-eight bushels in Indiana, and we believe under favorable conditions would do still better in other parts of the east. It is of strong growth with heavy, vigorous roots, stooling out immensely and succeeds well on a great variety of soils.

## READ THIS.

At the Nebraska State Experiment Station in the fall of 1896 they sowed thirty-seven varieties of winter wheat; it all winter-killed except three; in 1898 over 100 varieties and only five survived the winter in good condition. In 1899 they sowed forty-two varieties. In all of these tests the Turkish Red succeeded finely and is given first place on their list. It pays to have the best. Don't risk doubtful sorts.

## NOTICE OUR PRICES.

Per peck.....	\$ .50
Bushel.....	1.40
Bag of 2½ bushels.....	3.15
Four bags (10 bushels).....	11.00
Ten bags (25 bushels).....	25.00

HEAD OF TURKISH RED.

## TESTIMONIALS.

July 28.—I am quite well satisfied with the Turkish Red Wheat. The heads are very well filled and everybody here says it is the best piece of wheat in this locality.—GEO. BARLOW, St. Clair Co., Mo.

July 18.—For more than twenty years I was engaged in growing winter wheat in western Iowa, and have grown Fultz, Michigan Amber, Clawson, Winter Fife, Mediterranean and several other varieties, but discarded them all in favor of the Turkish Red. It has yielded thirty-one and one-fourth bushels per acre on my place and always deported itself well for me.—GEO. W. FRANKLIN, Editor Iowa Homestead.

July 20.—I consider the Turkish Red Winter Wheat

as sure a crop as rye, being VERY hardy, free from disease and in every way satisfactory.—WALTER ROBY, Madison Co., Iowa.

## WHEAT IN MINNESOTA.

THE MINNESOTA STATE EXPERIMENT STATION say in their report that one variety of winter wheat has generally proved hardy in southeastern Minnesota and yielded 50 per cent more than the standard varieties of spring wheat. The variety grown there is the Turkish Red, but it is locally known as the "Reliable Minnesota," or "Bearded Fife." Northern farmers should sow our Defiance Turkish Red Wheat if they want to add 50 per cent. to their crop at a really less expense.



## EARLY MAY WHEAT.

We do not recommend sowing beardless varieties of winter wheat in this section of Iowa as they are rarely as satisfactory, being more tender and not as productive. However, the Early May has done as well, we believe, as any bald wheat ever grown in Iowa, and some seasons has yielded a very large crop in this county and has gone through the winter in excellent condition. It is largely grown in some sections of Missouri and Kansas, and wherever known has become a special favorite. At the Kansas State Experiment Station it yielded **47 Bushels per acre** which is the largest yield of winter wheat there for seventeen years, the average being only about nineteen and one-half bushels per acre. Our southern customers will surely be pleased with it and if you prefer a beardless variety we are sure that you will find none equal to the Early May. Per peck 50c, bushel \$1.50, bag of 2½ bushels \$3.50; 4 bags (10 bushels) \$13.50.

## Winter Turf Oats.

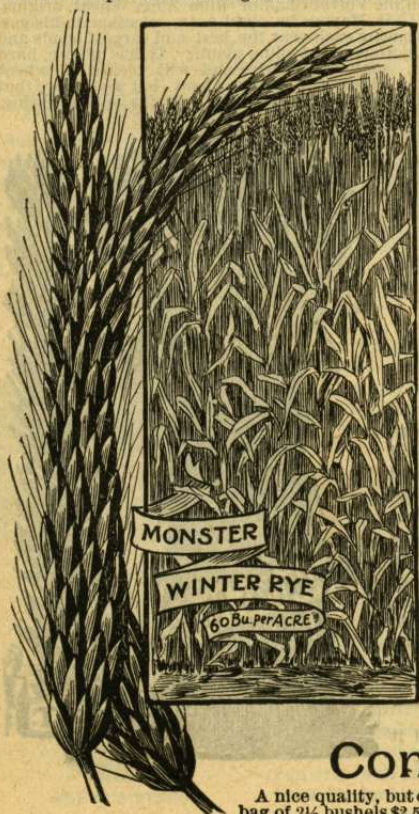
This valuable grain has for several years been growing in favor and use in many parts of the South and has proven valuable, both for the graze and for winter grazing. The oats may be sown any time from August until as late as the ground can be worked. Of course the later sowings are more apt to winter-kill and afford less pasture. They will, however, make a good crop sown as late as October 1st, as well as early in the spring, producing a larger yield in bushels and in weight than spring oats and they are fully as hardy as many varieties of winter wheat, growing in poorer soil and affording much better pasture. The oats produce from 25 to 40 stalks from one grain. Per lb. 25c, 3 lbs. 60c, postpaid. By express or freight, peck 40c, bushel \$1.50, bag of 2½ bushels \$3.25. Ask for price in quantity.

## Monster Winter Rye.

We consider Winter Rye one of the most important of all farm crops. In the first place it is a sure crop—failures being almost unknown. Every farmer should have at least a few

acres of it. It can be sown in the fall when the press of work is not so great. It grows very vigorously and will furnish pasture till late in the fall and also early in the spring before other grasses have begun to make a growth, and for this reason is of great value to dairy farmers. It can then be plowed up and another crop put in or allow it to mature a grain crop also, and some farmers claim that it produces a larger grain crop from its having been pastured if not continued too late in the spring. A good crop of rye can be produced on soil which is too poor for wheat. Owing to its extreme hardness, freedom from blight, mildew, rust and insects, a good paying crop can always be depended on. It is highly valuable for sowing on rough, stony, stumpy or barren land and will make a profitable crop and help reclaim the land. It grows so luxuriantly as to smother all weeds, and therefore is valuable to clear the soil of weedy spots before a cultivated crop is put in. It may be sown very late in the season, even up to winter, but early sowing is preferable. Dairy farmers should appreciate the advantage an early pasture has for their herds in increasing the flow of milk and quality of butter, and sow a few acres this season. Our Monster Winter Rye is of extra quality and we are sure it will please you no matter whether you want it for pasture or a grain crop. Price per peck 50c, bushel \$1.50, bag of 2½ bushels \$3.25, 4 bags (10 bushels) \$11.00. Ask for price in quantity.

EARLY MAY  
WHEAT.



## Common Winter Rye.

A nice quality, but of course not equal to the above. Per peck 40c, bushel \$1.10, bag of 2½ bushels \$3.50, 10 bushels \$9.50.



**SPLITZ, or SPELT.**

A most wonderful new grain which was introduced by us and has proven of great value. For centuries past it has been grown in a limited way in eastern Russia near the Caspian Sea, its value not being known to the civilized world. Nine years ago an emigrant from there brought some to this country and it yielded more than barley or oats. It is of high value for feeding and will make a fair grade of flour somewhat similar to rye. Will grow well and produce immense crops on poor soil, and dry weather appears to have no effect on it. Botanically it is known as *Triticum Spelta*, and is supposed to be the kind of grain grown in Egypt in the time of Moses. It is mentioned several times in the Bible. It has given splendid satisfaction to our customers and every farmer should try it. May be sown either in fall or spring. Per large pkt. 5c, lb. 30c. 3 lbs. 75c, by mail postpaid. By freight pk. 45c, bu. (40 lbs.) \$1.25, 2 bus. or more @ \$1.15, 10 bus. \$10.00.

"I am well pleased with the Spiltz purchased of you and all my neighbors want seed of it."—C. A. Pounder, Peterborough county, Ont.

Emil Shuman, of Sherman county, Neb., says: "I tested your new grain called Spiltz this year, and though we had a very dry summer, it did well. It stood out heavily; each kernel produced 28 to 45 sprouts and every sprout had a nice head averaging three inches in length. The straw was very stiff, and I do not think it will lodge even on rich soil, and is a heavy yielder."

"The Spiltz purchased from you does well in our climate and for poultry food will beat all other grains. I believe it will do well in the south as a winter grain also."—L. L. Weisbrod, Cape Girardeau county, Missouri.

**WILD RICE.**—The only one of our native plants furnishing food for wild fowl, ducks, geese, etc., which has been made an article of commerce. This seed can be sown on the borders of lakes, ponds, and along small streams to great advantage, attracting all of these wild birds from September on. It purifies the water and affords refuge to the small fry from the large fish. It makes a good hay, and all cattle are fond of it. Sow at any time in the fall, in water having a mud bottom. Per pkt. 5c, lb. 30c, 3 lbs. 75c, postpaid. By freight 10 lbs. or more @ 20c, 100 lbs. \$17.00.

**HAYNES' PEDIGREE WHEAT.**—A great improvement on the Velvet Chaff or Blue Stem Wheat, originated by L. H. Haynes by eight years selection in his garden, choosing each year the best and largest heads and most vigorous and stooling plants. It has plump, hard kernels, maturing early, and will please all wheat growers. It is not a winter wheat, but we believe that it will pay you to buy your seed now for spring sowing. Per pk. 60c, bu. \$1.75.



SPILTZ.



SAND VETCH.

**WONDERFUL SAND VETCH.—OR WINTER VETCH.**—A comparatively new forage plant in this country, which has proved of highest value and is highly recommended by the U. S. Agricultural Department. Though it succeeds and produces good crops on poor, sandy soil, it is more vigorous on good land and grows to a height of 4 to 5 feet. It is perfectly hardy throughout the United States, remaining green all winter. It is the earliest crop for cutting, and a full crop can be taken off the land in time for planting spring crops. Every dairyman and stock-breeder in the United States should have a field of it, and if you try it once you will never be a season without it. It is exceedingly nutritious, much more so than Clover, is eaten with relish, and may be fed with safety to all kinds of stock. Also valuable for a hay crop. Sow one-half bushel per acre either in spring or fall. Per pkt. 5c, lb. 30c, 3 lbs. 75c. By freight, peck \$1.75; bushel (60 lbs.) \$6.50.

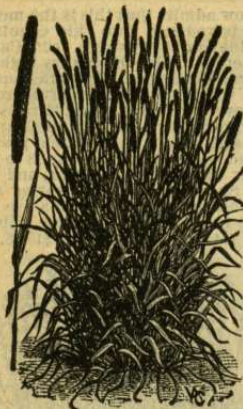
**A GOOD MIXTURE.**

Sow  $\frac{1}{2}$  bushel Sand Vetch and 1 bushel Rye together and it makes one of the best pastures imaginable.





# Grass Seeds.



TIMOTHY.

## Iowa Grown Timothy.

This is the best known and most largely cultivated of any variety of grass. It is the king of grasses for the average farmer, though there are other sorts of superior quality. It is adapted to a wider range of soil than any other grass, although it is considered as best suited to rich, damp, but not wet land. Iowa is the headquarters for timothy, as there is far more seed grown here than in any other state, thousands of carloads being shipped out every year. We are in the center of the state where we can secure our pick of the choicest seed grown. Our best grade of timothy is all new crop, Iowa grown, bright, sound, free from mustiness, thoroughly re-cleaned and practically free from weed seeds. It pays to have the best. Prices are changing almost daily during the shipping season. Please write stating quantity desired and we will quote.

## Meadow Fescue, Or English Blue Grass.

Succeeds well in almost all soils, from high dry land to moist, standing the dry summer excellently. It is valuable as pasture grass, being one of the earliest in the spring and latest in the fall. It is very nutritious and is greedily eaten by all kinds of stock, and proves very fattening. It is hardy, never grows in tufts, and being tender and succulent, makes excellent hay. Is a perennial, two to three feet high, flowering in June and July. Pound 40c, 3 lbs. \$1.00, postpaid. By freight, bu, of 14 lbs. \$2.50, 100 lbs. for \$15.75.



MEADOW FESCUE.

## Sheeps Fescue.

This variety prefers to grow on light, sandy soil and dry uplands or hillsides. It is deep-rooted and is not affected by drouth. Sheep are very fond of it, and it is highly nutritious. Should be included in all mixtures for uplands and dry sandy soils. Hardy perennial. Sow fourteen pounds per acre. Pound 35c, 3 lbs. 90c postpaid. By freight, bu, (14 lbs) \$2.00.



SHEEP'S FESCUE.

## Meadow Foxtail.

A fine grass for permanent pasture, and should be sown in place of timothy in mixtures with clover and other grasses. Of special value for low, wet, ground and has stood well even when overflowed for three weeks. Its growth resembles timothy. Sow fourteen pounds per acre. Per lb 45c, 3 lbs, \$1.25. By freight bushel (14 lbs) \$3.50.

## Kentucky Blue Grass.

Very valuable and exceedingly popular in some sections of the country as a pasture grass. It is productive and unusually early in spring, furnishing delicious food for all kinds of stock. It is not easily affected by frost or drouth, is suited to a great variety of soils, succeeding best on a moist, rich meadow. For permanent pastures it is particularly valuable, being of dwarf growth, therefore not so well suited for meadows. Unexcelled for lawns. Our seed is all new crop, best grade, 'Fancy Cleaned.' Sow 14 lbs per acre for pasture, or 60 to 100 lbs. for lawns. Per lb, 30c. 3 lbs 75c. By freight, bu, (14 lbs.) \$1.75.





**SWEET VERNAL.**—Very valuable on account of its delicious perfume: when included in hay its aroma is imparted to other grasses, enhancing the value of the hay and making it relished by the stock. Per lb. 30c, 3 lbs. 75c; per bushel (14 lbs.) \$2.00.

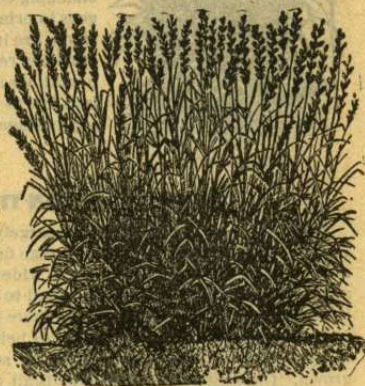


ORCHARD GRASS.

**BROMUS INERMIS.**—Everyone now admits that this is the most valuable new grass which has been introduced into this country during the past twenty-five years, and it has everywhere, from Canada to Texas, given the best of satisfaction. It has been very highly recommended by the U. S. Agricultural Department and grass specialists in all parts of the country. It will produce a wonderful crop of hay on land which is too poor for clover or timothy, and it resists intense cold, and also the most hot, dry weather. Forms a quick and dense sod either on sandy or stiff clay soils, and is a permanent grass which does not kill out with any kind of weather. Grows 18 to 36 inches in height and can be cut two or three times per year, and is equally desirable as a pasture grass. Should be sown in spring or fall using 20 to 25 lbs. per acre if sown alone, or if with Alfalfa use 12 lbs. with 8 lbs. Alfalfa. Price for best grade seed, per lb. 30c, 3 lbs. 75c, postpaid. By freight, per bushel (14 lbs.) \$2.35, 100 lbs. \$15.25.

**PERENNIAL RYE GRASS.**—(Or *English Rye Grass*).—A nutritious permanent grass for meadow and pasture or for mixing with other grasses for lawns. Does well on sloping banks, as its roots are fibrous and mat-like. Is especially adapted for pastures, as it will stand close cropping and is of strong, quick and successive after-growth. Does well on almost any land, but prefers rich or moist soil such as will produce a good corn crop. Sow 20 pounds per acre. Per lb. 20c, 3 lbs. 50c, per bu. (14 lbs.) \$1.00, 100 lbs. \$5.75.

**RED TOP.**—Sown usually in marshy land and sloughs in the west. In the east it is one of their principal sorts, but is



PERENNIAL RYE GRASS.

not so highly valued here. It makes a fine, close turf, and of fair quality when not allowed to go to seed. Solid, or Fancy, clean seed, per lb. 35c, 3 lbs. \$1.00; per bushel (14 lbs.) \$2.15, 100 lbs. \$13.75.

**RED TOP, Prime.**—Not cleaned from chaff. Per bu. 85c; 100 lbs. \$4.25.

**ORCHARD GRASS.**—One of the most valuable of all pasture grasses, coming earlier in spring and remaining later in autumn than any other. It grows about 2½ feet high, producing an immense quantity of leaves. It grows in tufts, and is therefore not adapted for growing alone, but should be sown with red clover, tall meadow oat grass or rye grass. Sow 14 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid, By freight, bushel (14 lbs.) \$1.85; 100 lbs. \$11.50.

**CREeping BENT GRASS.**—Of special value for pasture and low ground. Starts early, deep-rooted and a valued sort for holding sloping ground or terraces together, as its roots form a compact mass. Sow 15 lbs. per acre. Lb. 35c, 3 lbs. \$1.00, bu. (14 lbs.) \$2.75.

**WOOD MEADOW GRASS.**—This grass is invaluable for wood pasture or shaded ground. It is relished by all kinds of stock. Sow 20 lbs. per acre. Lb. 50c, 3 lbs. \$1.25, Per bu. (14 lbs.) \$4.00.

**TALL MEADOW OAT GRASS.**—For either hay or permanent pasture. Does well on any soil, but of special value on clay land. Grows tall and therefore desirable for meadow. Does not winter kill. Seldom sown alone, but should be included in all mixtures. Per lb. 35c, 3 lbs. \$1.00, per bushel (14 lbs.) \$2.50.

**CRESTED DOGSTAIL.**—For permanent pastures on high land and dry hard soil it is invaluable. Makes a close, thick sod and is quite valuable for lawns. Sow 15 lbs. per acre. Lb. 50c, 3 lbs. \$1.25; bu. (14 lbs.) \$5.25.

**HARD FESCUE.**—Grows taller than Sheep's Fescue and is therefore better for meadows; valuable for dry soils; very hardy and early. Per lb. 35c, 3 lbs. 90c; bu. (14 lbs.) \$2.00.

**WATER FESCUE.**—Desirable for wet ground. Per lb. 40c, 3 lbs. \$1.10, bu. (14 lbs.) \$3.50.

July 25.—I sowed the Defiance winter wheat purchased from you in November on my corn ground, and although it was sown so late it came on all right and I threshed a very much heavier crop than the spring wheat yielded. I intend to sow it in September this year so as to give the variety a better trial.—George S. Hopkins, Deadwood, S. D.

Aug. 5.—I am well pleased with the Defiance winter wheat purchased from you. It has yielded double as much as any other variety grown in this locality.—G. W. Gowens, Coleman, Texas.

ASK FOR A COPY  
OF OUR LARGE

SEED CATALOGUE

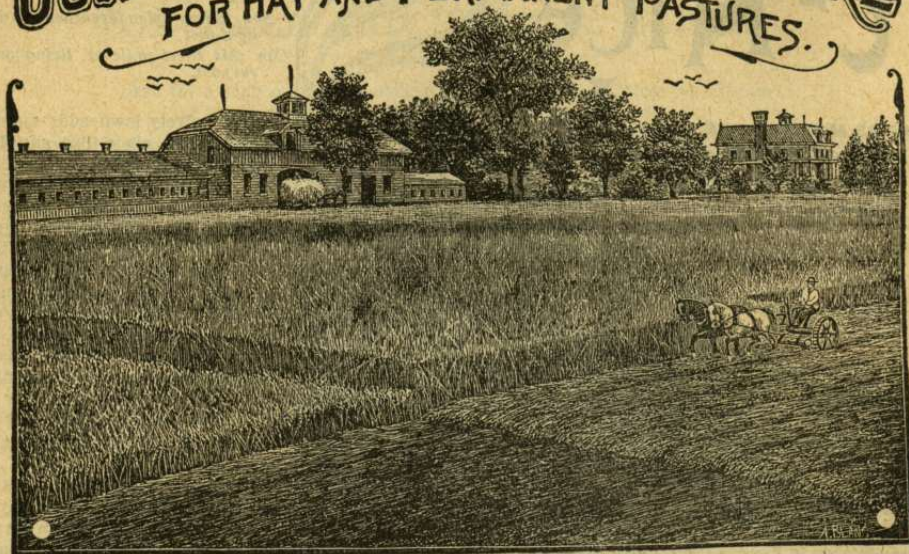
Ready January 1st.

MAILED FREE ON REQUEST.



# OUR SPECIAL GRASS MIXTURE

## FOR HAY AND PERMANENT PASTURES.



**M**OST of our western farmers have not yet learned that a pasture or meadow of mixed grasses is far superior to timothy and clover alone, but such is the case. We have made a study of this subject, and have grass specialists in our employ and can furnish the seed of the best varieties of grasses mixed in proper proportions for any soil or climate. Please read carefully the descriptions of the various kinds of grasses, and don't be content to follow the old way that your father and grandfather did, but adopt new methods, sow improved varieties and double your crop. The fall is nature's time for sowing grass seeds. All farmers know that if season is fairly favorable it pays much better to sow timothy seed in the fall, and the same is true of other grasses. **SOW NOW** and obtain a bountiful hay crop or superior pasture and you will have the use of the pasture several months extra. The winter will improve it and give it stronger roots to stand the dry weather next summer.

### SOW OUR PASTURE MIXTURE FOR BEST RESULTS.

#### Permanent Meadow Mixture.

Will make best quality of hay every year, the mixture containing such grasses as produce a heavy growth and mature together. We send out No. 1 mixture when not otherwise ordered, as it is adapted to medium or average soils. Sow 16 to 22 lbs. per acre.

	20 LBS.	50 LBS.	100 LBS.
No. 1. For medium soils...	\$2.15	\$4.75	\$ 9.25
No. 2. For high, dry land light or gravelly soils.....	2.25	5.00	9.50
No. 3. For high, dry land, heavy or clay soil.....	2.25	5.00	9.50
No. 4. For moist and rich soil, subject to overflow...	2.25	5.00	9.50
No. 5. For top seeding on marshes or swamps; sow 10 lbs. per acre.....	2.35	5.25	10.00

#### Dairy Farmers' Grass Mixture.

Dairy farmers particularly desire to take a crop of hay off the meadow and have the aftergrowth for pasture, and where the natural grasses are carefully selected with this object in view this can be successfully done. This mixture is composed of tall, quick growing grasses for mowing, after which the dwarf growing varieties will cover the ground and furnish good grazing until late in the fall. This mixture consists of the best varieties of clover and grass seeds, as Red Clover, Alsike, Orchard Grass, Rye Grass, Tall Meadow Oat, Meadow Foxtail and others. It is a special mixture which will please everyone. Sow 22 lbs. per acre on ordinary soils. Per lb. 25c, 3 lbs. 65c, postpaid. By freight, 22 lbs. \$2.50. 50 lbs. \$4.75; 100 lbs \$9.25.

#### Permanent Pasture Mixture.

Selected with a view to having a succession of grasses coming on constantly from earliest spring through the summer and fall. It is permanent and keeps improving year after year. Sow 18 to 22 lbs. per acre.

	20 LBS.	50 LBS.	100 LBS.
No. 6. For medium soils...	\$2.15	\$4.75	\$ 9.25
No. 7. For high, dry, gravelly soils.....	2.25	5.00	9.50
No. 8. For high, dry, heavy soils.....	2.25	5.00	9.50
No. 9. For moist and very rich soil.....	2.15	4.75	9.25
No. 10. For wood pastures, orchards, shady places, for top seeding, 10 lbs. per acre	2.30	5.10	9.75
No. 11. For Sheep Pasture Suitable for sandy soils and hillsides. Sow 20 lbs. per acre.....	2.35	5.25	10.00

#### CLOVER SEED.

This is one of our greatest specialties and we handle many thousands of bushels annually. Iowa grown clover is of the highest standard of excellence, and our electric machinery for cleaning has been so perfected that we claim that our grades average better than most other markets. Prices are changing constantly, but when you are ready to purchase be sure to ask for our quotations on

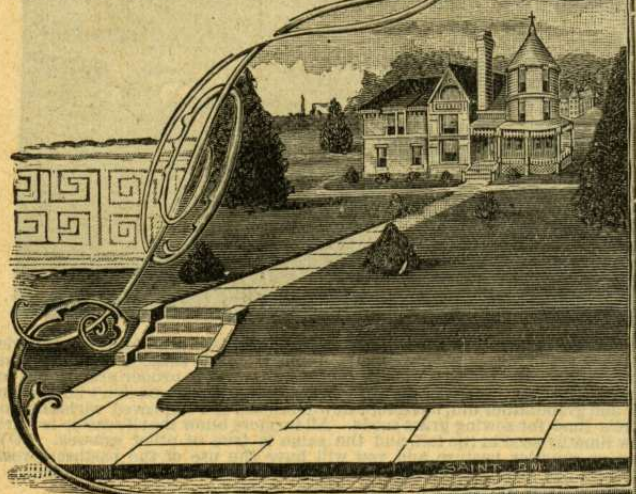
Medium Red,  
Mammoth Red,  
Alsike,  
White Dutch,

Alfalfa,  
Sanfoin,  
Crimson, and  
Sweet Clover.



# A Nice Lawn

ADDS MORE TO THE VALUE  
AND BEAUTY OF A PLACE  
THAN ANY OTHER  
ADORNMENT.



*Thank God for grass! No other glory  
vies  
With the refreshing glory of the grass;  
Not e'en the blue of the o'er-bending  
skies,  
Nor fading splendors when the day-  
light dies.  
Can this sweet smile of living green  
surpass.*

A nice velvety lawn adds more to the beauty of a place than any other adornment, and even the humblest home may be made attractive with such surroundings, 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 and seldom satisfactory. When sod is cut from the roadside or some out-of-the-way pasture it is poor in quality and full of weeds, and when unevenly laid produces a rough surface which disfigures the lawn. It costs much less to sow the seed and the lawn is far better. Considerable time may be saved by making your lawn in the fall, and the ground at this season usually works up loose and mellow, and by sowing the seed in September or October, it will be well established before winter begins and make a beautiful green carpet over your ground very early in spring. Ask for circular "How to Make a Lawn."

**EVERGREEN MIXED LAWN GRASS SEED.**—This is a mixture of the best varieties of grass seed suited for growing together and will make a beautiful, soft, velvety lawn of as handsome green as an emerald, and is formed of grasses which keep green from early spring all through the hot, dry summer weather until late in the fall. It comes up quickly (about two weeks) after seed is sown, and after once up it soon spreads to cover the ground and is ready for lawn mower in six to eight weeks. It roots deeply on any soil and forms a dense, thick turf. This mixture is made by ourselves from new crop, recleaned, pure seeds of the best varieties, well suited for even and permanent growth, as good as money can buy. Price per quart (will sow 300 square feet) 25c, 4 quarts 85c postpaid. By freight, per bushel of 15 lbs., \$2.75; 50 lbs. \$8.00; 100 lbs. (will sow one acre) \$15.00.

**CENTRAL PARK LAWN GRASS SEED.**—Nice for lawns but is of special value for parks and around country homes where it is not convenient to mow the lawns frequently. Sow about 50 lbs. per acre. Per qt. 20c, 4 qts. 75c postpaid. By freight, bushel of 15 lbs. \$2.50; 100 lbs. \$14.00.

**SHADY LAWN MIXTURE.**—Just the thing for sowing under shade trees, as it is a combination of grasses which grow naturally in the woods and are of dwarf evergreen growth. Rake in a little air-slacked lime in such places before sowing the seed as ground is sometimes "sour" in such spots. Per qt. 35c, 3 qts. \$1.00 postpaid. By freight, per bu. (15 lbs.) \$4.00.

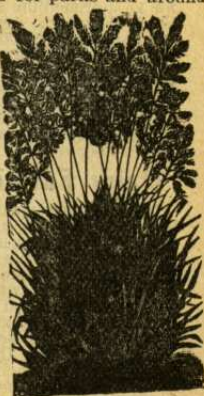
**TERRACE LAWN MIXTURE.**—It is sometimes difficult to get a good sod on sloping ground, terraces, side-hills or embankments. This is a mixture of such grasses as have strong, spreading roots, making a close turf which the heavy rains cannot easily wash out. Per qt. 35c, 3 qts. 90c postpaid. By freight, bu. (15 lbs.) \$3.60.

**KENTUCKY BLUE GRASS.**—Many of our customers prefer a clear blue grass lawn to the mixtures. Our stock of this is the best grade of fancy cleaned, new crop, tested seed. Per lb. 30c, 3 lbs. 75c postpaid. By freight per bu. of 14 lbs. \$1.75.

**WHITE CLOVER.**—Makes a close turf and looks nice mixed with lawn grass. Per lb. 45c, 3 lbs. \$1.20 postpaid.

**PEERLESS LAWN FERTILIZER.**—You cannot expect your lawn to look fresh always when you are cutting a crop of grass from it every week. Lawn grass is a voracious feeder and requires fertilizer. Our Peerless Lawn Fertilizer is of the best quality, dry, finely pulverized and easy to apply. Use 10 lbs. for 1,000 square feet of lawn or 400 lbs. per acre/early in spring. Price per 10 lb. pkg. 60c, 25 lb. pkg. \$1.00; 50 lb. pkg. \$1.85, 100 lbs. \$3.50. If shipped direct from factory 400 lbs. for \$8.50.

**LAWN MOWERS**, and other lawn supplies. Ask for circulars and prices.



KY. BLUE GRASS.



# VEGETABLE SEEDS.

## FOR FALL AND WINTER SOWING.

*Sent by Mail Prepaid.*

Ask for a copy of our last spring's Seed Catalogue giving description of all kinds of Vegetable Seeds with cultural directions.

**ASPARAGUS**—Palmetto. Lb. 60c, oz. 10c, pkt. 5c.

**CABBAGE**—Extra Early Express—Per lb. \$1.75, oz. 15c, pkt. 5c.

Early Jersey Wakefield—Lb. \$2.50 oz. 25c; pkt 5c.  
Henderson's Summer—Lb. \$2.00 oz. 20c. pkt. 5c.

**CUCUMBER**—Astro. For forcing. Pkt, 10c, oz. \$1.00.

**CAULIFLOWER**—Henderson's Early Snowball. Per oz. \$2.50 pkt. 15c.

Early Paris.—Per oz. 50c; pkt 5c.

**LETTUCE**—Grand Rapids Per lb. \$1.20; oz 15c, pkt 5c.

Improved Hanson—Lb. \$1.00; oz. 10; pkt 5c.

Black Seeded Simpson—Per lb. 90c, oz. 10c; pkt 5c.

**PARSLEY**—Per lb. \$1.00 oz. 10c; pkt 5c.

**ONION**—Large Red Wethersfield—Per lb. \$1.00; oz. 10c, pkt 5c,

Yellow Danvers—Per lb. 90c; oz. 10c; pkt 5c.

Extra Early Red—Per lb. \$1.25; oz. 15c; pkt 5c.

Prizetaker—Per lb. \$1.50; oz. 20c; pkt 5c.

**RADISH**—Early Scarlet Globe. Per lb. \$1.00, oz. 10c, pkt 5c.

Rosy Gem—Per lb. 60c; oz. 10c; pkt 5c.

Improved Chartier—Per lb. 60c; oz. 10c; pkt 5c.

Black Spanish—(Winter) Per lb. 75c; oz. 10c; pkt 5c.

China Rose—Per lb. 75c; oz. 10c; pkt 5c.

Mammoth White—Per lb. 85c; oz. 10c; pkt 5c.

**SPINACH**—Prickly Winter. Per lb. 50c; oz. 10c. pkt. 5c.

Long Standing.—Per lb. 35c; oz. 10c; pkt 5c.

## GARDEN PLANTS.

Can be set out in the early fall and will make a better growth than the spring set. Every garden should contain a variety of these and now is the time to order. We send them by mail postpaid at prices named.

Tarragon.  
Spear-mint.  
Peppermint.  
Holt's Mammoth Sage.

Balsam Mint.  
Catnip.  
Artemesia.  
Pennyroyal.

Rosemary.  
Thyme.  
Tansy.  
Bergamont.

*Each of above Plants 10 cents; 3 for 25 cents. Set of 12 for \$1.00.*



CHIVES.

**CHIVES**—Hardy little perennials of the onion tribe. Preferred for soups and omelets. Can be kept growing in pots in the house during winter if desired, but they are hardy outdoors. Roots per bunch 15 cts., 4 for 50c.

**HOP ROOTS**—Each 25cts; 6 for \$1.00.

**RHUBARB ROOTS**—Victoria. Each 15c, 5 for 50c.

**HORSE RADISH SETS**—15c per dozen; 75c per 100.

**ASPARAGUS ROOTS**—35c per dozen; \$1.25 per 100.

**PERENNIAL or WINTER ONION SETS**—Also called Egyptian and Tree Onions. Set about September 1st to 15th. Highly valued by gardeners, as they produce the earliest spring onions and after once set out require no other care, but come up year after year without the slightest winter protection. Per qt. postpaid 30c; by freight pk. 50c, bu. \$1.50.

**MUSHROOMS**—The ease and certainty with which a crop of mushrooms can be grown to perfection in an ordinary house cellar, wood shed or barn, and the astonishing success of so many who have taken up this new industry both for profit and their own use, induces us to call special attention to the subject. They are always in demand on the market at paying prices. Cultural directions sent on request. Lb. 35c prepaid. 5 lbs; not prepaid @ 15c per lb.



PERENNIAL OR WINTER ONION SETS.





## Flower Lovers

who wish to add to their pleasure and beautify their home surroundings should secure a good assortment of the hardy winter and spring flowering bulbs, which are generally known under the name of "Dutch Bulbs." Nothing in the floral world surpasses the bulbous flowering plants in richness or in purity of their flowers, and the colorings range from the most delicate to the gorgeousness of oriental splendor. Among these we find the delightfully fragrant and beautiful Hyacinths, the showy Tulips, the elegant and popular Narcissus, the stately Lilies, the pretty little Crocus, and many other equally handsome kinds. Most of these bulbs are grown in Holland although some are from France, Italy, China, Japan and the Bermu-

das. They usually arrive in this country in September. When potted in the house they come into bloom just at the time when flowers are the most scarce, and consequently the most desirable. There is nothing prettier or more desirable than a window nicely arranged with these; they will attract more attention than anything else with which it could be filled, and a very small assortment will fill the house with fragrance. All are of the easiest culture and no experience whatever is required for their successful management, but they will give better returns for having the culture advised in this book, and no one can fail to have "good luck" whether grown out-doors or in the house. It has been well said that "A Dutch bulb can snap its fingers at the stupidest amateur alike and grow and bloom in spite of him whether the house be light or dark, hot or cold."

One of the greatest charms of a garden lies in its being so planned as to bring a change of something new nearly every day, and a succession of new friends year after year. In the garden no single class of plants afford the pleasure that the hardy, spring-flowering bulbs do, but during the fall, as we see our summer favorites one by one failing and fading away, we are liable to forget that this is the time to plant our bulbs in the garden for early spring blooming, and also to prepare our window gardens in the house for flowers during the winter months. The following list contains an assortment of the best sorts of bulbs for winter blooming in the house or early spring blooming when planted out of doors.

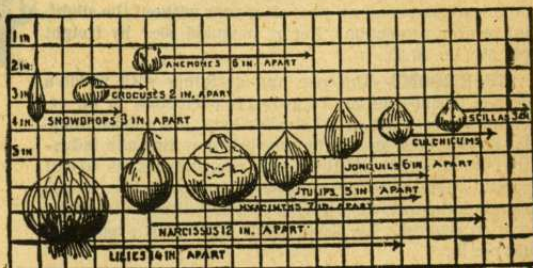
**DIRECTIONS FOR CULTURE.**—Most of the bulbs in this list will bloom well in the house during the winter. Any good garden soil is suitable for them, but they prefer a sandy loam. Do not use manure unless old and well pulverized. Set bulbs just below the surface of soil in pots or boxes at any time from September to December. We prefer October. After watering thoroughly set away in cellar or some other cool, dark place and water from time to time as needed. They should remain in the dark from three weeks to two months before being brought to the light, as it is desirable to have them thoroughly well rooted before the top starts. By bringing out a few pots at different times a succession of bloom can be kept up all winter. When brought from the cellar or store-room, they should be placed in a light, sunny window. See that they are watered frequently and have as much fresh air as possible. Keep them free from dust, and when in bloom they will last much longer if kept in a cool atmosphere than in a hot one.

**TREATMENT AFTER BLOOMING.**—Bulbs cannot be successfully forced in the house two succeeding years. Therefore after blooming most persons throw bulbs away. If you have the room or convenience it is well to let them remain in the pots a few weeks to mature the bulbs. Then dry them out and store in cellar until September when they may be planted outdoors to bloom there the following spring.

**GROWING IN WATER.**—The Hyacinth and Chinese Sacred Lilies will bloom well in water. Use the regular glasses for the Hyacinth which let the base of the bulb only rest in the water. Any kind of flat dish or bowl may be used for the Sacred Lilies with pebbles placed around the bulb to keep it upright in the water. After placing in water put bulbs away in a dark room until plenty of roots have started.

**GARDEN CULTURE.**—Bulbs are of special value for out-door planting as they bloom almost as soon as the snow is off in the spring. They then die down and Geraniums or other bedding plants may be set out without disturbing the bulbs, which are left to ripen in the ground. Any ordinary garden soil will do, but a loose, sandy loam is best. Spade up so that the surface of the beds will be a little higher than the surrounding ground so that the water will not stand on the surface. If soil is poor mix in well rotted manure or rich leaf mould. Plant in October or any time before the ground freezes. The accompanying diagram shows the depth and distance apart to plant the various kinds of bulbs. After a crust is frozen over the ground cover the bed with leaves or other coarse litter, the object being to keep the soil frozen and not subject the bulbs to frequent freezing and thawing. This covering should be removed early in spring as the growth begins as soon as the snow is gone.

**DISCOUNTS.**—Bulbs are all sent post-paid at the prices named, except where noted, and purchasers may select bulbs to the amount of \$1.10 for \$1.00; \$2.30 for \$2.00; \$3.50 for \$3.00; \$6.00 for \$5.00; except that on all collections there will be no discount. Order early.





# HYACINTHS.

The Hyacinth justly deserves the name of "Queen of all Bulbous Flowers" by their sweet perfume, bright and distinct shades of nearly all colors, easy culture either in water or earth, in the window garden, conservatory, greenhouse, or in the open ground. Through centuries of careful cultivation and selection it has been brought to such a state of perfection that it could scarcely be improved and there is no flower among all those which help to make the garden bright, deserving of greater popularity. There are so many thousands of varieties that lists are confusing and we have therefore personally visited the leading growers in Holland where our bulbs are grown and gone over the lists with them so as to select sorts which prove best adapted to general culture. We are sure that all the following will prove highly satisfactory. All these named varieties are specially desirable for growing in glasses or pot culture. The Single Hyacinths are usually handsomer as the spikes are complete, full and round making a fine appearance. The Double Hyacinths have more petals to the flowers but they are set farther apart on the stems thus giving them a somewhat ragged effect. Both are the same price but we recommend the singles.

**GERTRUDE.**—This is the most beautiful of all and is well illustrated by the accompanying cut. It is a single, bright red, with large, superbly shaped truss, compact and attractive in every way. Often has twin spikes. Each 15c; dozen \$1.50.

**GIGANTEA.**—Largest of all with broad spikes of bluish-pink color and very handsome. Single. Each 15c, doz \$1.50.

**CZAR PETER.**—Finest porcelain-blue; large, perfect spike and attractive color. Single. Each 15c; doz. \$1.50.

**BARON VAN TUYLL.**—Single pure white; very large close spike, early and fine for glasses. Each 10c; doz. \$1.10.

**IDA.**—Color a most beautiful golden yellow; large spike; best of all single yellow sorts. Each 25c; doz. \$2.25.

**BOUQUET TENDRE.**—A beautiful, double flower of deep crimson color. Large bulbs, each 12c; dozen \$1.25.

**GOETHE.**—Large, fine truss of handsome double citron yellow. Each 20c; dozen \$2.00.

**BOUQUET ROYAL.**—Fine light pink or blush. Extra large spike and very beautiful double flowers. Each 12c; doz. \$1.25.

**BLOKESBERG.**—Double light blue; large spike. Grand! Each 15c, doz \$1.50.

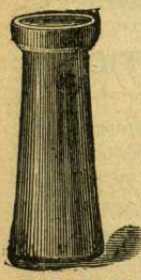
**LA TOUR D'AUVERGNE.**—Very early flowering, and the best of all double whites. Flowerets large and wax-like and spikes of immense size. Very early to bloom and the finest double Hyacinth for pots. Each 12c; doz. \$1.25.

**COLLECTION.**—One bulb each of the above ten choice varieties for only \$1.20. Our selection of six of the above for only 50c postpaid.



GERTRUDE HYACINTH.

## HYACINTH GLASSES.



TALL PLAIN.

Hyacinths grown in glasses of water are charming ornaments for parlor windows, and the ease and success in flowering bulbs in this way add greatly to their popularity. Polyanthus Narcissus, Amaryllis Formosissima and a few other bulbs can be grown in the same manner.



TYE'S PLAIN.

**GRAPE HYACINTH.**—Also called the "Blue Lily of the Valley." About six inches high and very much resembles a bunch of grapes. Planted in groups of a dozen or so the bulbs produce a mass of lovely blue blossoms. Plant spreading in habit and very hardy. For winter blooming in the house they excel. Each 5c, doz. 50c.





RED, WHITE AND BLUE HYACINTHS.  
One of each for 24 cts. postpaid.

## Roman Hyacinths.

Great favorites with all florists, as they are the earliest for forcing, and flowers can be had from them long before Christmas. Each bulb gives from two to seven flower stalks of single flowers of sweet fragrance, and produced in profusion.

**PURE WHITE.**—The most popular of all. Every window should have several pots of these. Exquisite bells, white as the driven snow, and pleasantly fragrant. Never fails to bloom. Each 5c; doz. 50c.

**LIGHT BLUE.**—Sky blue bell. About ten days later than the white, with which it forms a fine contrast. A great bloomer. Each 5c; doz. 50c.

**DELICATE ROSE.**—Beautiful, clear, bright rosy pink color. A charming and delicate tint. Should really be grown by everyone who loves flowers. Each 5c, doz. 50c.

**CANARY YELLOW.**—Beautifully shaped bells in airy, graceful spikes; in color a soft, pleasing canary yellow. Really fine. Each 10c, doz. \$1.10.

**COLLECTION** One bulb each of the four colors of Roman Hyacinths—White, Blue, Rose, and Yellow—for only 18 cents, postpaid. Don't fail to have them.

**TYRIAN PLANT SPRINKLER.**—With it you can, without injuring the plants or soaking the earth quickly sprinkle them. It will render valuable aid in keeping the foliage fresh and healthy and free from insects of all kinds. The bent neck enables you to spray the under side of the leaves which are usually the insect's hiding place. 75c postpaid.



## Hyacinth Mixtures.

We can furnish a nice mixture of Hyacinths in separate colors as follows. These are general used for bedding, but are also nice for pot culture and are cheaper than the named sorts;

	EACH.	PER DOZ.
Single Pure White.....	8	80
Single Rose and Pink.....	8	80
Single Red.....	8	80
Single Light Blue.....	8	80
Single Dark Blue.....	8	80
Single Yellow.....	10	\$1 00
Single all colors mixed.....	7	75
Double Pure White.....	8	80
Double Rose and Pink.....	8	80
Double Red.....	8	80
Double Light Blue.....	8	80
Double Dark Blue.....	8	80
Double Yellow.....	10	1 00
Double all colors mixed.....	7	75

## Eclipse Hyacinth Bed.

This is an unequalled collection of 100 choice Dutch Hyacinths of the best assortment of kinds and colors, will make a large bed 5 or 6 feet in diameter; all nice strong bulbs, for \$4.50 or charges prepaid to any part of the U. S. for only \$5.25.



ROMAN HYACINTHS.

## SURPRISE COLLECTION

### — BULBS —

Most of our bulbs are imported from Europe and Asia, and we order so largely that when the season closes we usually have a surplus of many sorts. To dispose of them we offer this collection which consists of a large number and great variety of bulbs for outdoor or house planting for \$1.00, postpaid, or half size collection for 50c. Will not be shipped until after November 1.





DOUBLE, SINGLE AND PARROT TULIPS.

way. Purchaser pays express charges at the 100 rate; add 35 cts. per 100 if to be sent by mail, we prepay postage at the dozen rate.

## SINGLE VARIETIES.

**CRIMSON KING.**—Showy, having large, bright crimson flowers with yellow base. Each 3c, doz. 25c, 100 for \$1.25.

**COULEUR PONCEAU.**—Rosy crimson, tipped white. Each 3c, doz. 25c, 100 \$1.25.

**DUCHESS OF PARMA.**—Extra large, early, and gloriously colored. Orange-yellow shading to terra cotta, with fiery yellow and brown shadings. Bright and showy. Each 3c, doz. 25c, 100 \$1.25.

**COTTAGE MAID.**—Carmine pink, center of petals feathered white, base yellow. Each 4c, doz. 35c, 100 \$2.00.

**YELLOW PRINCE.**—Bright yellow, large and showy; finest yellow for bedding out. Each 4c, doz. 35c, 100 \$2.00.

**LA REINE.**—White, sometimes tinged with rose. Each 3c, doz. 30c, 100 \$1.50.

**SILVER STANDARD.**—White feathered crimson. Each 4c, doz. 40c, 100 \$2.00.

**GOLDEN STANDARD.**—Bright red with golden stripes, extra fine. Each 6c, doz. 60c, 100 \$3.00.

**DOUBLE EARLY FINE MIXED.**—A nice assortment. Each 3c, doz. 20c, 100 \$1.00, 250 \$2.00.

**DOUBLE EARLY BEST MIXED.**—A mixture of the best varieties which are suitable to grow together. All the above double kinds and many others are included in this mixture. Each 4c, doz. 30c, 100 \$1.50, 250 for \$3.00.

**SINGLE FINE MIXED.**—A good assortment; prove very satisfactory to our trade. Each 3c, doz. 20c, 100 \$1.00, 250 for \$2.00.

**SINGLE BEST MIXED.**—Is made up of a grand assortment of the best varieties. Includes all the above named single varieties and many others. Each 4c, doz. 30c, 100 \$1.50, 250 \$3.00.

**PARROT TULIPS.**—A bed of these when in bloom is a grand sight, paying a hundred fold for all the care bestowed upon them. The flowers are of great size and remarkably showy with their corrugated and toothed petals. The petals are very curiously slashed and the form before the flower opens, resembles a parrot's beak. A fantastic, grotesque appearing flower; yellow, crimson, or white feathered with green, gold and scarlet. Each 3c, doz. 30c, 100 \$1.50.

**BLUE FLAG TULIP.**—Celestial blue, handsome and rare color. Blooms late in the season. Each 5c, doz. 50c, 100 \$2.75.

**LATE TULIPS.**—These tall late flowering Tulips usually commence to bloom early in May and continue until about Decoration Day. They are of large size and brilliant colorings.

**LATE SINGLE MIXED TULIPS.**—Contains a large number of varieties. Each 4c, doz. 40c, 100 \$2.00.

**LATE DOUBLE MIXED TULIPS.**—Very nice to grow with the above. Each 4c, doz. 40c, 100 \$2.00.

## TULIPS.

The most gorgeous and satisfactory of all spring flowers and nothing is more showy on the lawn than a nice bed of Tulips, blooming, as they do, so early in the spring, about as soon as the grass appears. They are unsurpassed in brilliancy of color and in fact the single Tulip has a greater variety of rich, delicate and attractive colors than any other plant that we know of. Their ease of culture, combined with beauty of form and gorgeous coloring, renders them the most popular bulbs for spring blooming, and for winter flowering in the greenhouse and window garden they are incomparable. The Tulip is extremely hardy and of easy culture, blooming as freely and producing as fine flowers in a confined town garden as in a more favored place. Double and Single Tulips, when associated together and planted in front of shrubs, maintain a longer display than if either are separately planted. In gardens where the flower beds are to be kept gay from the earliest day of spring, plant between the lines of Tulips, Scilla Siberica, Snowdrops or Crocus, as these flower first and are through when the Tulips come into bloom.

One hundred Tulips will nicely fill a bed of fair size, and make a gorgeous display, especially when planted regularly with each color in rows or circles, and we list the separate colors so that they may be arranged in that

## DOUBLE VARIETIES.

**LA CANDEUR.**—Pure white. This variety is beautiful when planted among Rex Rubrorum, to form designs etc. Each 3c, doz. 30c, 100 \$1.50.

**REX RUBRORUM.**—Brilliant double scarlet. Large showy, and splendid for bedding. Each 4c, doz. 45c, 100 \$2.25.

**DUKE OF YORK.**—A lovely variety, very double, carmine rose, edged broadly with white, suffused rose, showy and fine. Each 4c, doz. 30c, 100 for \$1.50.

**LA CITADELLE.**—A fine large flower of purplish red, bordered yellow. Each 4c, doz. 35c, 100 \$1.75.

**TOURNESOL.**—Splendid showy Tulip; orange scarlet with broad yellow tips and yellow base. Very large double flower. Each 5c, doz. 50c, 100 \$2.50.

**MURILLO.** (Albino).—Magnificent blush white, shaded rose. Has large flowers, fine for forcing. Each 7c, doz. 70c, 100 \$3.75.



BLUE FLAG TULIP.



## CROCUS.

The lovely little Crocus is one of the first flowers that peep through the snow to give us notice of the approach of spring. They should be planted about the same time as Hyacinths—October or November. Crocuses are easily forced in the house. Plant five or six bulbs in a four inch pot and treat like Hyacinths or Tulips. Very pretty as a border for Tulips or other bulbs.



CROCUS.

	PER DOZ.	PER 100
White .....	15	90
Mixed Shades of Yellow.....	15	90
Mixed Shades of Blue and Purple.....	15	90
Striped and Variegated Mixed.....	15	90
Cloth of Gold.....	15	\$1 00
Mammoth Yellow.....	20	1 50
All colors mixed.....	10	60



SNOWDROP.

**SNOWDROP** The Snowdrop is the sweetest little flower—the harbinger of spring and forerunner of April showers and summer suns. As the bulbs are small about twelve ought to be planted together in each clump, to make them produce a pretty effect when in bloom. SINGLE, 15c per doz. DOUBLE, 25c per doz.

## Bleeding Heart.

(*Dicentra or Dielytra*)—One of the most ornamental of spring-flowering plants, with elegant green foliage and long drooping racemes of pink and white heart-shaped flowers. Each 20c, doz. \$2.00.

## CINNAMON VINE

This very beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon. and is very appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down in autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its very beautiful heart-shaped leaves and clusters of delicate white flowers and a delicious cinnamon odor it is a most desirable climber. We furnish the large tubers, postpaid, for 10c, 3 for 25c, doz. 75c.



LILY OF THE VALLEY.

## LILY OF THE VALLEY.

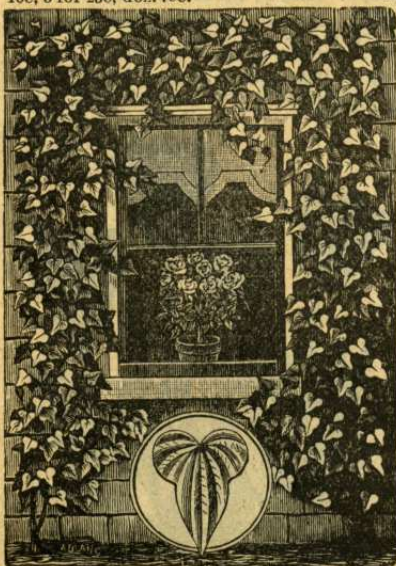
Why not prepare this fall so as to have a beautiful bed of Lily of the Valley next season? Set out the roots any time before ground freezes, selecting a partly shaded, rather moist situation, and they are charming if grown in large patches with their handsome green leaves and lovely sprays of pure white bell shaped fragrant flowers. 4 strong roots for 15c, doz. 40c

## Ornithogalum Arabicum

The Great Flowered or Arabian Star of Bethlehem. A very showy species bearing racemes of white flowers with a sweet odor; grows from one to two feet in height and succeeds either outdoors or in pots. Excellent for forcing and largely used by commercial florists for this purpose. Of easy cultivation. 10c each; 90c per doz.

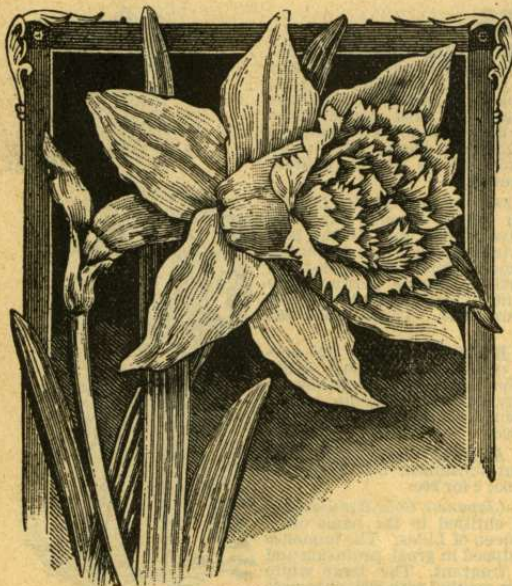


GIANT STAR OF BETHLEHEM.



CINNAMON VINE.





VON SION DOUBLE NARCISSUS.

**NARCISSUS or DAFFODILS.**

A beautiful class of flowers, becoming more popular each season, both for outdoor blooming and for use as cut flowers in the house. Their delicious fragrance, easy culture and thriftiness, even in the smoky atmosphere of a city, entitle them to the greatest popularity.

**VON SION.**—*The True Double Yellow Daffodil.*—Rich golden yellow perianth and trumpet. This is the old favorite so highly prized in old-fashioned gardens. It is as handsome as ever, and deserves to be planted in quantity where it can remain undisturbed for several years; it will then thrive and bloom in increasing profusion every spring. It is also one of the best forcing sorts, immense quantities being grown for this purpose in Europe and America. Each 4c, doz. 35c, 100 for \$2.50, postpaid.

**BULBOCODIUM.**—(*Hoop Petticoat.*) Our illustration well shows this beautiful flower. Plant is dwarf and a very free bloomer, each bulb producing six to twelve large, rich golden yellow, trumpet shaped flowers. Hardy. Each 5c, dozen 50c.

**POETICUS.**—*"The Pheasant's Eye,"* or "Poet's Narcissus." Pure white flowers with orange cup edged with crimson, splendid flower. Hardy and fine for garden planting. Each 3c, dozen 20c.

**INCOMPARABLE DOUBLE.**—(*Butter and Eggs*)—Full double of rich yellow and orange. Very rich colors and a grand variety for growing in the house or outdoors. Each 4c, dozen 40c.

**PAPER WHITE GRANDIFLORA.** Pure snow white flowers in clusters. This variety is perhaps more largely forced for cutting than any other, tons of them being used for the large flower markets of the world. Not hardy unless well protected. Each 4c, dozen 35c.

**CHINESE SACRED LILY.**

This is now the most popular of all bulbs for winter blooming and they are always satisfactory and of the easiest culture. It is a variety of *Polyanthus Narcissus* grown by the Chinese to decorate their sacred temples or Joss House on their New Year's Day, which occurs in February. They produce a profusion of bloom in an incredibly short time, usually not more than four to six weeks from time of planting. The foliage is luxuriant and of a dark green color, surmounted by a wealth of large, satiny white fragrant flowers with golden yellow cup.

**CULTURE.**—Being partly aquatic, this plant must have plenty of water. If grown in soil, make it light and sandy but they are usually grown in vases or dishes of water. Put an inch of gravel in the dish, set the bulbs on this and put gravel around them to keep from falling over; fill dish with water and set in a dark closet for a few days until the roots start freely; then bring to the light and keep in any ordinary living room. A dozen bulbs started in this way at intervals will give a succession of bloom all winter. *The Bulbs offered by us are large, solid, and well matured. They can be relied upon to be the true Chinese, and not the inferior Bermuda grown stock.* Price 15 cents each; \$1.40 per dozen, postpaid; not postpaid, each 10c, dozen \$1.00.

**DOUBLE SACRED LILY.**—Grown as above and produces pure white double flowers with orange center. Fragrant. Each 15c, dozen \$1.50.

**GIANT GOLDEN SACRED LILY.**—The flowers of this beautiful Sacred Lily are almost identical with the Chinese variety except that they are of the most lovely shade of deep golden yellow, making a fine contrast with the white bloom of that noted kind. Its bulbs are not nearly so large, but the trusses of flowers are of good size and very fragrant. Grown like the old variety, 5c each, 50c dozen.



BULBOCODIUM NARCISSUS.



CHINESE SACRED LILY.



## BEAUTIFUL LILIES.

Nothing can surpass the Lilly in beauty, purity, delicacy, and stately, magnificent grandeur. A few clumps planted in some place in your yard where they will not be disturbed from year to year will reward you with abundant flowers. Lilies should always be set out in the fall when possible to do so and they will give much better satisfaction. These varieties are, perhaps, the most popular Lilies grown, being easy of cultivation, and producing large flowers of delicate beauty on strong stems. The *Harrisi* is planted in pots for blooming at Easter. The other varieties are hardy and do well for outdoor planting in the autumn.



**HARRISI.** (*The Bermuda Easter Lily*).—This mammoth white trumpet lily, with flowers four to five inches long, is the best of all lilies for winter forcing and flowering, because its grand trumpet shaped flowers, which give forth a delicate perfume are wonderfully beautiful and expressive. Each 15c. 3 for 40c. doz. \$1.40. Large bulbs 35c each, 3 for \$1.00.

**SPECIOSUM RUBRUM.**—These are perhaps the most popular lilies grown, being easy of cultivation, and produce large flowers of delicate beauty and strong stems; height from two to four feet; blooms in August. Each 15c. 3 for 40c.

**SPECIOSUM ALBUM.**—Has large white flowers of great substance, beautifully recurved. Each 20c; 3 for 50c.

**AURATUM.** (*Japanese Gold Banded Lily*).—This is justly entitled to the name often given it—The Queen of Lilies. The immense flowers are produced in great profusion and are deliciously fragrant. The large white petals are thickly spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. Each 15c. doz. \$1.20. Extra large bulbs each 25c, dozen \$2.50.

**CANDIDUM.**—The old fashioned pure white garden lily. Very hardy. Flowers snow white with very heavy yellow stamens and sweet fragrance. Bears from three to twenty blossoms. This variety must be planted in the early autumn to succeed well, as it makes its leaf growth at once after planting and prepares itself for early blooming. It is beautiful set in clumps of about a dozen, or in rows for a permanent border. Each 12c, dozen \$1.20. Mammoth bulbs each 20c, dozen \$2.00.

**TIGRINUM SPLENDENS.**—An improved Tiger Lily growing sometimes six feet high and producing large pyramids of orange red flowers spotted with black. Each 10c, doz. \$1.00.

**THUNBERGIA ELEGANS.**—A strong grower, dense foliage; three feet high; flowers upright, cup-shape and borne in clusters of 5 to 12. Color a dark orange spotted brown. Perfectly hardy. Each 15c, dozen \$1.50.

**TENUIFOLIUM.**—The lovely Coral Lily of Siberia. The brightest of all lilies, of shining coral red color. Foliage finely cut. This is indeed a little beauty. Each 15c. doz. \$1.25.

**DOUBLE TIGER LILY.**—A double form of the old Tiger Lily; quite popular. Each 15c, dozen \$1.35.

**LEMON LILY.**—Not a true lily as the bulb is of different shape. The flower is about three inches in diameter, clear lemon yellow color; perfectly hardy and very satisfactory. Each 15c, dozen \$1.50.

**ORANGE LILY.**—Similar to the above, but of a dark orange color. Each 15c, doz. \$1.25.

### Reddick Mole Trap.

If your grounds are infested by moles you should purchase one of these traps. It is undoubtedly one of the best traps made and no mole can pass under it and live. We have used this trap on our own place for five years and consider it by far the best pattern on the market. Price only \$1.00.



LEMON LILY.



HARRISI LILY.



LILIUM AURATUM





WHITE CALLA LILY.

## AMARYLLIS.

**FORMOSISSIMA.**—(*Jacobean Lily*.)—A quaintly shaped beautiful flower of a grand dark scarlet; blooms freely; forces well and can be grown in water like the Hyacinth; if the bulbs are kept dry during winter, they can be planted in the open ground in the spring, and will flower during the summer. Not hardy but the rare beauty of the flower well repays the care given. Each 15c, doz. \$1.50.

**JOHNSONI.**—(*Bermuda Spice Lily*.) A very popular variety, wine red, with a white stripe down each petal; an early and abundant bloomer and a specially robust grower. Not hardy. Bulbs, 50c each.

**ATAMASCO.**—Pretty pink and white flowers. Bulbs 5c each; 50c per dozen.



APIOS TUBEROSA.

## APIOS.

**TUBEROSA**—A quick growing vine bearing lovely clusters of rich, deep purple flowers similar to Wistaria. Perfectly hardy. Each 5c, doz. 40c.

## CALLA LILIES.

Beautiful for house blooming, but not hardy for out door planting.

**MAMMOTH WHITE.**—The largest flowering variety and most majestic. It is of perfect form with large tropical appearing leaves of bright green color and yielding throughout the season a profusion of superb white flowers. Monster bulbs, each 35c, 3 for 90c. Medium size, each 15c 3 for 40c. Small size 10c, doz. 90c.

**BLACK CALLA**—*Solomon's Lily*.—This is the wonderful Black Lily of Palestine which was for many years supposed to be a myth, but has recently been found and propagated largely so that it can now be sold at a wonderfully low price. The flowers are large, sometimes a foot long and of rich velvety black, very striking and ornamental in appearance. The bulbs are from near Jerusalem, making each one a souvenir of the Holy Land. The accompanying engraving will give a fair idea of its rare beauty. Each 15c, dozen \$1.50.



BLACK CALLA.

**LITTLE GEM**—All that need be said about this sterling novelty is that it is a perfect miniature Calla growing eight to twelve inches high and producing beautiful snow white blossoms. It begins to bloom when only a few inches high, in a three or four inch pot, and a well established plant in a large pot, blooms summer or winter, and sometimes shows a dozen flowers at once. Growing plants 15c, each, 3 for 40c.

**SPOTTED LEAF**—This is always an ornamental plant, even when not in flower, the dark green leaves being beautifully spotted with white; in other respects the plant is the same as the old favorite white calla, except being of smaller habit. In addition to its usefulness as a pot plant it makes a fine thing for planting in the garden in the summer, being very effective. Each 10c, doz. \$1.10.

## JONQUILS

These belong to the Narcissus family, and are treated in the same manner. They are hardy, but can be forced indoors the same, and should be potted two or three in a 4-inch pot. Sweet Scented, each 5c; doz. 40c.

## BLACKBERRY LILY.

*Pardanthus Sinensis*.—Flowers orange color spotted with brown, about 2 inches in diameter. The blossoms are followed by seed clusters exactly like a blackberry in size, shape and color. Quite interesting, attractive and perfectly hardy. Each 10c. 3 for 25c.

## FREESIA.

**REFRACTA ALBA.**—A charming bulb for the conservatory or window garden: flowers in early winter. Six or eight bulbs should be planted in a 4-inch pot; they force readily, in bloom by Christmas: last two weeks in water after cutting: white with yellow blotched throat; fragrant, not hardy. Choice bulbs each 3c, doz. 20c; mammoth bulbs each 5c, doz. 50c.



FREESIA.







ANEMONES.

## Anemones.

These beautiful spring flowers are equally adapted for garden or pot culture. For garden culture plant the bulbs in any good, rich garden soil, five or six inches apart, in clumps or masses, and before ground freezes cover with leaves or manure for winter protection. For pot culture use a six inch pot which will hold three or four bulbs. Keep moderately cool and give but little water until the plants appear. Single Mixed, 5c each, 50c per doz. Double Mixed 5c ea., 50c per doz.



## Excelsior Pearl Tuberoses.

A greatly improved variety, having short stem, and long spike filled with beautiful, large, perfectly double flowers of most delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and are unsurpassed for buttonhole bouquets. Not hardy, but can be grown in a warm room during the winter, but they are usually started in the spring. Don't fail to order a few. Choice large bulbs, postpaid, each 5c, doz. 35c, smaller bulbs 25c per doz.

EXCELSIOR PEARL TUBEROSE.

IRIS  
KAEMPFERI.

**IRIS JAPANESE.** *Kaempferi*. Marvels of elegance and stateliness. Think of a plant sending up to a height of three feet a dozen flower spikes, each spike bearing two to four blossoms eight or ten inches across, and of the most delicate and beautiful colors, markings, and combinations. Think of a bed of all colors—white, indigo, violet, lavender, mauve, sky-blue, royal purple, bluish, yellow, etc. Your imagination can conceive of nothing grander, and they are even more grand and beautiful than your imagination can portray.

Once they are planted in your gar-

den they are a joy for a lifetime, blooming profusely in June and July. Double and single mixed. Each 15c, doz. \$1.25.

**GERMAN IRIS.**—The true "Fleur-de-Lis," the national flower of France. These are perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water, or if planted in moist situations, or on the banks of ponds, etc. Plants well established produce from 50 to 100 spikes of bloom, deliciously fragrant and fine for cutting. Colors range through yellows, purples, blues, claret reds, white and bronzes of every imaginable shade. Each 10c, doz. 85c.

**OXALIS DOUBLE YELLOW.**—This handsome new variety is well shown in our engraving and makes a most attractive plant for hanging baskets, vases, etc. Several bulbs should be planted together and will then make a grand showing. Not hardy. Each 5c; 50 cents per doz.

**BERMUDA BUTTERCUP.**—For continuous flowering through the winter these oxalis have no equals. As many as fifty flower spikes have been produced by a single well-grown plant and as many as 1,000 flowers in a season. The flowers are of the purest bright yellow. The cultivation is the easiest possible, everyone is sure to succeed with it. Not hardy. Each 5c; doz. 45c.







## PAEONY FESTIVA MAXIMA

# PAEONIES.

Everyone knows the old fashioned red "Piny" of our grandmother's gardens, but the specialists of America, Europe and particularly those of Japan have been at work so that there are now more than one thousand named varieties, many of them of the most curiously beautiful shapes and colors. It is truly a noble flower rivaling the rose in brilliancy of color and perfection of bloom, while greatly surpassing it in size and stately grandeur. One writer has well said that the "Paeony fully equals the rose except in poetry, perfume, thorns, bugs, and disease." They are hardy as an oak requiring no protection even in the severest climate. They are of the easiest culture, most vigorous habit, and free from all disease and insects. The foliage is rich, glossy and ornamental even when plants are not in bloom. Many of the newer varieties are quite fragrant and no other flower is so well adapted for large showy bouquets, the blooms selling readily in Chicago and other large eastern cities for \$10.00 per 100 and the supply does not equal the demand. We have acres of Paeonies including a vast number of sorts. We name a few of the most popular and offer the others in mixture. Plant paeonies this year. plant lots of them in rows, beds, or as specimen plants on the lawn. If you have an extensive lawn a large bed of them will make a grand show surpassing even a bed of Rhododendrons. Plant in September, October or any time before the ground freezes and protect slightly the first winter if planted late. Fall is the best time to set out the roots and they will then begin blooming the next spring and each year become stronger and better. They may be left undisturbed for twenty years or more. In planting set the crowns two inches below the surface. They will do well also in partial shade and can therefore be used to brighten up sombre nooks. We prepay the postage.

**ROSE FRAGRANS**—A very desirable sort with large flowers of rich, dark, rosy pink color and exquisite fragrance. Blooms late in season. Each 25c, doz. \$2.50.

**PINK AND CREAM**—A very pretty variety of good size. The outside petals are light pink while center petals are creamy yellow. Each 25c, doz. \$2.50.

**FESTIVA MAXIMA**—This is by far the finest double white Paeony grown. The flower is of immense size, perfectly globular, the guard petals being large while the inner petals are crimped thus making it appear extremely double. Color is of the purest snow white with sometimes a few slight carmine marks in the center. Usually sells at \$1.00 each but we offer it at only 75c, doz. \$7.50.

**POTTSHI**—Elegant dark crimson. Each 35c, doz. \$3.50.

**DOUBLE WHITE**—Medium size double flowers which appear to be pure white on the bush but when placed beside Festiva Maxima show a creamy tint. It is about as pure white however as any other double white and is a free bloomer. Each 40c, doz. \$4.00.

**PINK MONARCH**—One of the best tall growing sorts. Flower light pink, handsomely variegated with carmine pink. Each 25c, doz. \$2.50.

**MIXED VARIETIES**—This mixture contains many of the choicest American and foreign sorts, but as we have a very large stock we offer them at only 15c each, \$1.50 per doz., \$10.00 per 100, charges prepaid. Why not put in a large bed, or border your drive with them?

**ARSINE MURAT**—A showy osee colored variety with prominent yellow stamens which add to its attractiveness. Each 30c, doz. \$3.00.

**VICTORIA TRICOLOR**—Very large full flower, outer petals pale rose mottled with pink; center yellowish white. Each 25c, doz. \$2.50.

**GOLDEN HARVEST**—This is probably the nearest approach to a yellow Paeony. A very sweet and showy flower which everyone will want. Each 50c, doz. \$5.00.

**LA ESPERANCE**—An exceedingly fine vivid rose colored flower, growing compact and highly perfumed. Early and free flowering. Each 35c, doz. \$3.50.

**ANDRE LAURIES**—A very double flower of deep bright red. Bloom till late in season. Each 25c, doz. \$2.50.

**GRANDIFLORA RUBRA**—Extra large perfect balls of blood red magnificent flowers. Probably the largest red variety in existence often 8 or 9 inches across. Give it rich soil and you will be surprised. Each 35c, doz. \$3.50.

**RUBRA TRIUMPHANS**—An early blooming very sweet scented flower of rich brilliant glowing satiny crimson color. Each 25c, doz. \$2.50.

of the choicest American and foreign sorts, but as we have a very large stock we offer them at only 15c each, \$1.50 per doz., \$10.00 per 100, charges prepaid. Why not put in a large bed, or border your drive with them?



## SEVENTEEN NEW GREENHOUSES

And we now claim to have the largest number of houses devoted to the growing of plants for the mail order trade in the entire west.

# FLOWER PLANTS.

Nothing is more attractive in the winter than a window filled with choice flowering plants. Our stock is very nice this year and prices are so low that a nice assortment can be made up for a comparatively small amount of money. For the past few years we have devoted special attention to the growing of flower plants exclusively for the mail order trade, as for this purpose they require special culture in greenhouses kept at a low temperature so that they will be hardy, healthy and vigorous. Plants grown in the high temperature at which most florists are obliged to keep their houses in order to produce cut flowers, grow so rapidly that they are soft, succulent and not fit for sending through the mail, and are ill prepared to stand shipment or the great change of temperature to ordinary house culture. We are filling orders constantly from every state and also from various parts of Canada, Mexico, etc. Our system of packing is so very complete that plants arrive in almost as perfect condition after traveling hundreds of miles as they were when packed.

**TERMS AND DISCOUNTS.**—At prices named we send the plants postpaid. Orders for plants must amount to at least 25c. We will furnish plants amounting to \$1.20 for \$1.40, \$2.50 for \$2.00, and \$7.00 worth for \$5.00.

**WE GUARANTEE.**—That plants ordered from this list will reach purchasers anywhere in the United States in good order, if sent by mail or express.

**ACHILLEA ALBA.**—A very pretty plant bearing a profusion of pretty white flowers. Each 10c.

**ABUTILON, Souvenir de Bonn.**—A striking decorative foliage plant, with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Amid these leaves the graceful, drooping, orange-colored flowers are produced in great abundance, forming a clear and brilliant contrast. Each 15c.

**SWEET ALYSSUM, White.**—Nice little pure white flowers. Valuable for baskets, vases and borders. Each 10c.

**SWEET ALYSSUM, Variegated.** A charming little novelty, the flower having all the sweet grace and beauty of the common Sweet Alyssum, and has beautifully variegated green and white foliage. Each 10c, doz. 90c.

**AGERATUM, Princess Pauline.**—A most distinct and novel variety of dwarf, compact habit, its peculiarity being that both colors blue and white, are combined in the same flower. Each 10c.

**MUSK PLANT.**—This is the true Musk Plant and has a refreshing, delightful fragrance which becomes quite strong and pervading when the leaves are rubbed. Flowers yellow. Each 10c.

**COCOLOBA.**—A pretty little plant having curious flat jointed stems. Each 10c.

**CYCLAMEN.**—One of the finest plants in cultivation for winter blooming. Great variety of colors. Each 25c.



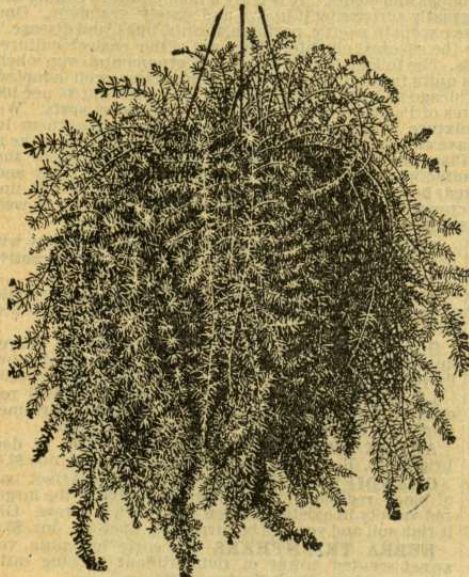
ASPARAGUS PLUMOSUS NANUS.

**ASPARAGUS PLUMOSUS NANUS.**—One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in the entire list. It is easily grown even in a north window. The leaves are a bright green, are gracefully arched and are as finely woven as the finest silk mesh. Price, strong plants, 15c each.

**ASPARAGUS SPRENGERI.**—Also called *Emerald Feather and Abyssinian Parlor Fern*.—One of the handsomest and most valuable plants for house and conservatory culture ever introduced. It is especially desirable for pots, vases, baskets, etc.; covering all with its beautiful sprays of lovely green feathery foliage, which can be cut freely, and are very useful for bouquets and all kinds of floral decoration. It makes a charming decorative plant for the window or conservatory in winter. Each 15c, large size 25c.

**ARAUCARIA EXCELSA.**—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture, and is particularly adapted to table decoration. It is most unique in appearance, the branches being arranged in neat, symmetrical whorls. Can only be sent by express. Each \$1.00, \$2.00 and \$3.00.

**CYCAS REVOLUTA.**—*Sago Palm.* Magnificent plants of noble and majestic habit, and most impressive. They are probably the most valuable decorative plant grown; their heavy, glossy, deep green fronds resist alike the gas, dust and cold. Strong young plants 60c each postpaid. Large specimen plants \$1.00 to \$15.00 each by express at purchaser's expense.



ASPARAGUS SPRENGERI.

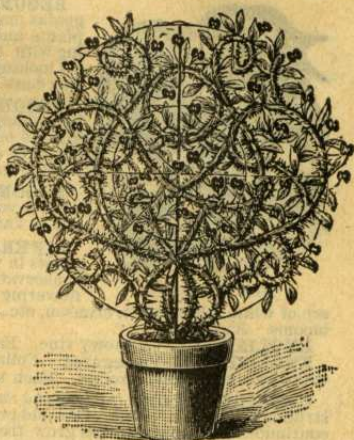


**CROWN OF THORNS.** *Euphorbia*.—Very curious and remarkable window plant; strong-growing creeper or climbing plant that can be trained over any desired form, and when full of its large, bright scarlet flowers, which almost cover the deep, glossy green leaves it is an object of rare and striking beauty. Easily grown. Grows wild in Judea and it is claimed that it was from this plant that the crown of thorns was made which was worn by our Savior. Each 25c.

**CARNATIONS**—Fragrant flowers are always sought after, and the rich, spicy odor of the carnation, combined with its various colors, leaves little to be desired. Easily grown and bloom freely. We have a variety of colors in strong field grown plants. Each 25c.

**CUPHEA TRICOLOR**—Flowers are tubular in shape, about 2 inches long, and combine three distinct colors in each flower, scarlet, white and blue. In bloom continually. 10cts. each.

**CIGAR PLANT**—(*Cuphea*) Narrow tubular scarlet flowers, tipped with purple; always in bloom. 10 cts. each.



CROWN OF THORNS.

## FUCHSIAS.

These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens.

**White Phenomenal**—The grandest double white variety in existence and one which should be in every home. Each 15c.

**Jupiter**—A new giant flowered variety from France. The flowers are of really mammoth size with very large rich violet purple double corolla. Tube and sepals bright crimson. Each 15 cts.

**Phenomenal**—This is usually considered the largest Fuchsia in cultivation, being same size as the Jupiter but of much darker color. The flowers are of enormous size, a single flower measuring three inches across; sepals bright scarlet with rich purple corolla, very double, flaked with red. Each 10c.

**Monarch**—This new Fuchsia is by far the largest of all the single flowering varieties. It is an exceptionally strong grower, bearing immense bloom of a very dark purple. It ranks among the singles the same as the Phenomenal does among the doubles. Each 15c.



FUCHSIA.

**Black Prince**.—Tube and sepals are a bright waxy carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. Easily grown in tree form and we had at one time a plant seven feet high loaded with two thousand flowers at once. Each 10c

**Trailing Queen**—Of a beautiful trailing habit, fine for hanging baskets. Bright rich scarlet and purple flowers. Each 15c.

**Speciosa**.—Sepals bluish, corolla carmine. Best winter bloomer. Each 10c.

**Little Beauty**—A charming variety; begins to bloom when only 2 or 3 inches high, and continues to bloom the year round. Tube and sepals bright red, corolla deep purple. Each 10c.

**MIKADO FERN BALL**—The fine Japanese novelty. This beautiful novelty is an importation from Japan and is certainly the finest addition to the Fernery yet introduced. The ball, 6 to 8 inches in diameter, is composed of the Japanese Island Fern Roots, and Sphagnum Moss, and so constructed as to throw out leaves of beautiful emerald green from every point. They grow rapidly and make a handsome ornament for the home, conservatory or greenhouse. Place the ball in water for 15 minutes and then suspend in any desired position; repeat every two days until growth is started, after which sprinkle occasionally as required. They will arrive from Japan about November 15th. Price in dormant state each 75c, 3 for \$2.00

**LANTANA**—We consider this one of the most satisfactory plants grown. It is the flower for everybody both for outdoor bedding and blooming all winter in the house. Has a flower somewhat resembling the Verbena, borne on a woody, bush shaped plant. The flowers embrace all shades of orange, sulphur, lilac, red, pink, white, etc; changing from one distinct color to another as they increase in age and development. Many varieties. Each 10c.

**PLUMBAGO CAPENSIS**—No plant in our greenhouse has caused more exclamations of delight than these beautiful heavenly blue Plumbagoes. They are most excellent pot plants, flowering freely at all times of the year.



"MIKADO" FERN-BALL—IN LEAF.

**WHITE PARIS DAISY**—A French improvement on the old White Marguerite which has for years been so popular. Is of much larger size and will produce ten times as many flowers. Each 10c.

**RESURRECTION PLANT**.—A curiosity. It looks like a ball of dried moss, but when dropped into a bowl of tepid water, it quickly opens into a beautiful fern-like plant. Each 10c, 3 for 25c.

**RUSSELLIA MULTIFLORA**.—A great improvement on *Russelia Juncea* as it blooms more continuously, being loaded with hundreds of small brilliant scarlet flowers. The flower panicles are extremely long and it makes a very desirable little plant for growing in pots or hanging baskets. Each 10c, 3 for 25c.





REX BEGONIA.

are of white, blue, violet, crimson, etc., covering the plant with a sheet of blooms. Each 25c.

**ENGLISH IVY.**—A showy vine. Each 10c.

**ENGLISH IVY, Variegated.**—Foliage very prettily marked with pure white on a dark green ground. Each 15c.

**CHENILLE PLANT.**—(*Acalypha Sanderii*.)—A very striking ornamental plant. Of rapid growth and blooms continuously. Flower spikes grow from two to three feet in length. They are of bright crimson color, drooping and mixing among the green foliage with charming effect. It will be extensively used as a pot plant. 25c ea.

**THE BABY PRIMROSE.**—It is a wonderfully free-blooming plant. It forms a dense rosette of somewhat fleshy leaves, from which spring the flowering stems, twelve, fifteen and even twenty inches tall, supporting three tiers or whorls of dainty flowers of a delicate rosy-lilac, with eye of pale gold. Present a dense mass of bloom from September until June. As a pot plant it cannot be surpassed. Each 10c.



CAMELIA VINE.

**BEGONIA, Rex.**—The Rex or King Begonias may well be called the king of foliage plants and they make a magnificent showing with their rich lustrous tints and tropical looking leaves. Choicest varieties of the Rex class. Each 20c.

**BEGONIAS, Flowering Varieties.**—We have about 25 of the best varieties of flowering and ornamental foliaged begonias. They are very satisfactory plants for the winter window garden. Price 10c to 40c each.

**BEGONIAS, Tuberous Rooted.**—Giant flowers sometimes 5 or 6 inches in diameter and of various colors. Each 15c.

**CINERARIA.**—Magnificent flowering plants in winter and spring for windows and conservatories. The flowers of this large flowering type measure two inches across.



CINERARIA.

**HELIOTROPE.**—*Snow Wreath.*—Superb large clusters of deliciously fragrant flowers of nearly pure white. Each 15c. *Jersey Beauty.*—Very large trusses of blue flowers. Each 10c. *Mad. Blonay.*—Immense truss of very light colored flowers. Each 10c. *President Garfield.*—The finest dark variety in cultivation. Blooms well. Each 10c.

**GOLDEN STAR OXALIS.**—(*Ortgiesii*.) Is a shrubby plant like a fuchsia, about 12 inches in height, branching freely, loaded at all times with clusters of bright golden star-shaped flowers, which do not close at night like other Oxalis.

**MEXICAN PRIMROSE.**—Is a perpetual bloomer, in flower all times of the year, a good specimen showing always from ten to thirty large, saucer-shaped blossoms two to three inches across, of several beautiful colors. Each 10c.

**MANETTA BICOLOR.**—One of the handsomest little vines in existence. Is easily and quickly grown, blooms continuously, and is well adapted for hanging baskets, pot culture, vases or bedding. Each 10c. Large size 25c.

**FORGET-ME-NOT.**—They are easily grown and will soon bloom freely and will continue to thrive and bloom year after year, being perennial and perfectly hardy, with only a slight covering. Each 10c, doz. 75c.

**LEMON VERBENA.**—A universal favorite, invaluable for its fragrant leaves. Each 10c.

**PHEASANT'S BREAST ALOE.**—An elegant appearing, slow growing plant, highly prized wherever its true value is known. Each 75c, small 25c.

**PRIMULA OBCONICA.**—A lovely perpetual blooming primrose. The flowers are of a delicate rose lilac, shading to white. Each 10c.

**SMILAX.**—Well known handsome climber and the most popular of all vines with the florists. Each 10c.

**LOBELIA.**—Pretty and well-known. Each 10c.

**MAURANDIA.**—Graceful climbers for window or conservatories, or open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely. Each 10c.

**CAMELIA VINE.**—*Calystegia.*—A beautiful hardy vine having camellia shaped flowers nearly three inches in diameter. Very double and of a lovely clear rosy pink color. Can be set out this fall around the porch and will make earliest spring growth. Each 15c, per dozen \$1.50.



**NIGHT BLOOMING JASMINE.**—World-famous, deliciously fragrant flowers about which poets have sung and over which tourists in its native land, (Chili), have gone into ecstasies, and yet how few, comparatively, in our own country have ever seen it. It is a plant of strong, shrubby growth with handsome glossy green foliage and bears an immense number of small star-shaped flowers. One plant on our place this year had at one time fully 3,000 flowers and you can well imagine that it was a grand sight. The delightful fragrance is dispensed only at night and this makes the flowers of great value for ladies' wear. It is specially adapted to house and window culture. Each 25c.

**PONDEROSA LEMON.**—A novelty which has been largely advertised in the east and it is really a desirable pot plant of tropical appearance and bearing profusely, the immense fruit, weighing sometimes three to four pounds each, or about ten times as large as an ordinary lemon. It is a true ever-bearing sort, a good sized plant showing fruit in all stages of development, from the open flower to ripe lemons. Blossoms are waxy white like a tuberose and as fragrant as orange blossoms. Wonderfully attractive. Each 20c.

**OTAHEITE ORANGE.**—The most hardy and desirable for pot culture. It is dwarf of a low, shrubby growth, with beautiful, glossy green leaves and an abundance of large, white, sweet scented blossoms borne almost continually. Fruit is small and bright orange red in color. A great beauty. Each 25c.

**ORNAMENTAL JAPANESE PEPPER.**—In Japan this small brilliant colored variety is highly valued as a pot plant and has attracted much attention in our green-houses. Each 15c.

**FANCY LEAVED CALADIUM.**—One of the most ornamental plants imaginable for window decoration. Their beautifully shaped and glossy foliage is elegantly variegated in the most telling manner. One, perhaps, is regularly dotted with round raised spots of white, another is ribbed and veined with pink or scarlet or yellow while still another is flashed or marbled with white or shaded almost black. In fact, the immense leaves are so marked with delicate and vivid colors, as to make them as showy as great and peculiar flowers. The small early leaves do not always show the fine colors of the matured leaves. Each 15c.

**DOUBLE PETUNIA.**—This is one of the most beautiful plants for winter blooming. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable. We devote special attention to the cultivation of the Double Petunia and spare no pains or expense to obtain the best results, and as a consequence our stock is unsurpassed and includes the best blotched and fringed sorts. Each 10c, dozen \$1.00.

**SHOWER OF GOLD.**—*Genista*.—A most desirable plant which has been given the name "Shower of Gold" or "Fountain of Gold," from its peculiar shape and brilliant color. The drooping branches are covered with delicate sage-green foliage, and every twig is tipped with a long raceme of exquisite pea-shaped blossoms of a pure canary color, almost hiding the foliage. Each 10c.

## PALMS.

The most elegant and highly decorative of all plants and the low prices at which they are now offered place them within the reach of all. The following are the most desirable for house culture.

**LATANIA BORBONICA, Or Fan Palm.**—(See cut). One of the most popular varieties grown, prized especially for its beautiful, large, fan-shaped leaves of deep glossy green. 25c each. Large plants by express \$1.00 to \$10.00 each.

**KENTIA.**—This is considered one of the hardiest and best palms in cultivation. A rapid grower. 35c each. Large plants by express \$1.00 to \$5.00.

**CHAMÆROPS.**—Handsome fan-leaf palm of rapid, easy, culture. Very valuable and useful for outdoors during the summer. 25c each.

**WASHINGTONIA FILIFERA.**—Has elegant dark green fan-shaped leaves, from which hang threadlike filaments. 15c and 25c each.

**ARECA.**—One of the most graceful palms in cultivation. The foliage is bright glossy green, stems a rich golden yellow splashed with brown. Each 40c



NIGHT BLOOMING JASMINE.

**PHRYNIUM VARIEGATUM.**—As satisfactory a foliage plant as we know of. Resembles a canna in habit of growth; leaves of oblong lanceolate form; in color, clear pale green, beautifully variegated with white and pale gold. Markings much varied. It thrives in sun or shade, in pots or open ground. Tuber starts quickly and grows well, and the plants prove to be very ornamental. Each 15c, dozen \$1.25.



LATANIA BORBONICA PALMS.





MERRY CHRISTMAS CHRYSANTHEMUM.

## CHRYSANTHEMUMS.

These are now, and deservedly, the most popular and fashionable of all autumn flowers. They are easily grown and make a grand showing during October and November. We have a great many varieties but mention only a few kinds in this list. At this season of the year they can only be sent by express, purchaser to pay charges. Any variety at 25 cts. to 75 cts. each according to size.

**ILLUMINATION**—Extra fine pure white.

**GOLDEN WEDDING**—Rich golden yellow; flowers of immense size; very double.

**GLORY OF THE PACIFIC**—Early; light pink.

**MARION HENDERSON**—Early; bright yellow.

**CASCO**—Quilled; clear wine color.

**MERRY CHRISTMAS**—The latest of all white chrysanthemums. Flowers of immense size and very desirable both as a pot plant and for cutting as they are good keepers.

**PRES. W. R. SMITH**—Delicate pure pink. Very handsome.

**FISHER'S TORCH**—Bright red changing to rich velvety crimson or flame color.

**DORA**—Light salmon pink.

**OSTRICH PLUME**—We have four colors of these, pink, white, yellow, and bronze.

**NOTICE**—Remember that these chrysanthemums are too large for mailing and can only be sent by express at purchasers' expense. Price 25 to 75 cts. each.

**INDIA RUBBER TREE.**—(*Ficus*).—During the past few years there has sprung up an immense demand for Rubber Plants and they are highly valued everywhere for their tropical appearance. Leaves are large, very

thick and leathery and of a beautiful shining green color. It endures the dry air of living rooms remarkably well. Everybody likes it. They are difficult to propagate and will always remain high in price. Each 60c. Larger size \$1.00 and \$1.50 each.

**SANSEVERIA.**—*Zelantica*.—A singular plant, eminently adapted for decorative purposes in parlors, etc. Dark green beautifully striped crosswise with white and flowers white. Each 15c. Large size 50c.

**WHITE SWAINSONIA.**—A most beautiful new climbing plant. The habit of growth is extremely graceful and the vine presents a lovely sight of light green feathery foliage and a splendid profusion of pure white sprays of flowers resembling sweet peas in form. Easily grown and under favorable conditions is almost a perpetual bloomer. Each 10c.

**PINK SWAINSONIA.**—A beautiful new sort quite similar to above except that flowers are a clear pink color. Each 15c.



SANSEVERIA.



INDIA RUBBER PLANT.



**FERNS.**—We have many choice varieties of these delicate appearing, attractive plants at from 10c to \$1.00 each.

**BOSTON FERN.**—A healthy, rapid growing and graceful house plant. It has been in great demand everywhere. Its long, broad fronds are more graceful than the old Sword Fern and seem to grow faster. Thrives in all rooms, gas or furnace heat do not seem to injure it. It is one of the most beautiful and useful of house plants. It is of easy culture and its sword-like fronds, on large specimens, attain a length of five to six feet, produced in a bewildering mass, arching, curving, and interlacing in every conceivable direction. Each 15c.

**SWORD FERN.**—One of the most popular sorts. Splendid for pots, vases or hanging baskets but especially desirable grown in the wire hanging baskets in which they thrive well and make ornamental plants. Each 15c.

**VINCA MAJOR.**—Beautiful trailing plant. Leaves glossy green broadly margined with creamy white. Flowers a handsome blue. Free bloomers. Each 10c.

**SAXAFRAGA.**—The well-known, much-used old basket plant, with strawberry-like runners. Each 10c.

**FICUS REPENS.**—A pretty dwarf trailer. Each 15c



BOSTON FERN.

## GERANIUMS.

We have tested a multitude of the leading varieties and we have selected only a few which we are sure will please our customers for winter blooming. All single flowering unless otherwise stated.

**CAMILLE BERNARDIN.**—A novelty in Geraniums. Color is very attractive; upper petals are half white, succeeded by pink, lower petals base white followed by soft rosy pink with soft scarlet edge. Each 15c.

**COLUMBIAN.**—Flowers produced in greatest profusion on medium sized trusses; they are brilliant scarlet. Each 10c.

**ELECTRIC.**—Very large flower of most brilliant scarlet color with distinct white eye. A free bloomer. Each 10c.

**RENOMMIE LYONASIE.**—A grand new sort. Center of florets white, surrounded by a rose and broad scarlet border, giving it a very brilliant effect. Each 15c.

**MAD. POIRER.**—Beautiful flowers of rich violet carmine color. Each 10c.

**EMPRESS EUGENE.**—Deep rich pink with base of upper petals white. Each 10c.

**CARMEN SYLVA.**—Grandest single pure white geranium in existence. It is of vigorous healthy growth and blooms profusely. Each 15c.

**S. A. NUTT.**—The best double crimson variety. 10c.

**LA FAVORITE.**—The best double white. Each 10c.

**OLD GLORY.**—A grand double bright pink. Each 10c

**IVY LEAVED GERANIUMS.**—Many fine varieties. Each 10c.

**FANCY LEAVED GERANIUMS.**—Most beautiful foliated sorts. Each 10c.

**SCENTED VARIETIES.**—Twelve varieties. Each 10c



NEW  
GERANIUM

CHAMELEON

**CHAMELEON GERANIUM.**—Is what might be called a "sport" or "freak" of nature, as it is quite erratic in its growth as shown by our illustration. Some flowers are red, some white, some pinkish salmon, and some clearly striped with the three colors. Frequently one plant will have on it flowers of all these colors at the same time. Other plants will bloom for months showing only one of the colors, then suddenly changing to some other hue. Each 25c.

**DOUBLE NEW LIFE.**—A great novelty. Outer petals scarlet, inner petals white. Each 15c.



# ROSES.

We consider these not only the most popular but also the most satisfactory of all flowers, and therefore make roses a leading specialty and are now devoting more space in our greenhouses and more land in our fields to roses than ever before as the trade each year has far exceeded our stock. As we do not grow cut flowers and our rose growing is exclusively for the production of young plants we are enabled to use the best and most healthy wood in our propagations, and not stems that have been exhausted by the production of flowers. These varieties are desirable for house culture.

**KAISERIN AUGUSTA VICTORIA.**—The finest white ever-blooming Hybrid Tea Rose, soft pearly white, lightly tinted with lemon in the center, just enough to relieve the white; remarkably fragrant, a strong, healthy grower, with bold, beautiful foliage. The beautiful and perfectly shaped flowers are borne in profusion on long graceful stems, so that it will be invaluable for cut flowers and it is a continuous bloomer. Each 15c.

**BRIDESMAID.**—An exquisite bright clear pink, a lovely shade; flowers very large and perfectly double. Each 10c.

**PERLE DES JARDINS.**—Fine straw yellow; very large and perfect. Blooms freely. Each 10c.

**HALLOWEEN.**—A beautiful new variety resembling the Meteor in shape, but the flowers are of dark crimson color distinctly striped with pink and pure white. It is a hardy, ever-blooming variety. Each 15c.

**SNOWFLAKE.**—The freest flowering pure white rose that we know of. Unequaled as a pot plant. Each 15c.

**JUBILEE.**—A perfectly hardy and perpetual blooming variety very desirable for pot culture or out door bedding. Flowers of large size and most beautiful dark rich, velvety crimson color. Each 15c. Large dormant plants 30c.

**CLOTHILDE SOUPERT.**—This hybrid polyantha Tea rose has become one of the most popular. Flowers full double, pure white shading to a center of rosy pink. Blooms constantly. Each 10c.

**MOSELLA.**—A choice novelty. Flowers very double, ball-shaped and open like a Camellia flower. The petals are tinted white, on beautiful light yellow ground to the middle of petal. Each 15c.

**BRIDE.**—The buds are very large and of exquisite form and the full flower very double and large. Color a very delicate creamy white. Each 10c.

**METEOR.**—Of large size, very double and perfect in shape both when they are in bud and when fully expanded. The color is rich, velvety crimson, exceedingly bright and attractive. A constant bloomer. Fine for pot culture. Each 10c.



Kaiserin  
Augusta  
Victoria

**LA FRANCE.**—For beauty, profusion of bloom and fragrance La France stands at the head of our hardy Roses. It is of beautiful form, both in bud and full bloom; very large, full and globular; a most constant bloomer, and the sweetest of all Roses. The color is a pink or silvery rose. Each 15c. Large dormant plants 30c.

**RAINBOW.**—An elegant striped Tea rose, strong, healthy, growth and exceedingly free flowering habit. The buds are large on strong stiff stems. Color is a lovely shade of pink, striped and mottled in a most unique manner with intense crimson, and elegantly colored with rich golden amber at center and base of petals. It makes beautiful buds and the flowers are extra large, very sweet and of great depth and substance. A most charming variety. Each 15c.

**CHAMPION OF THE WORLD.**—The champion bloomer. It is claimed that one plant will produce more flowers during the year than ten plants of any Tea Rose. Blossoms are of good shape, and of rich, deep, rosy pink. Each 15c.

**PSYCHE.**—A seedling of the famous Crimson Rambler. Blooms in clusters of from 8 to 25 flowers each, of a delicate rosy pink shade, suffused salmon and yellow at the base. Of vigorous climbing habit. Each 15c.

## EVERGREEN MEMORIAL ROSES.

These hardy and lasting Roses creep over the ground like Ivy. The leaves are glossy dark green. The flowers are borne in clusters profusely during July and August. Used extensively for covering graves, rockwork, embankments, etc.

**Evergreen Gem.**—Flowers are creamy white; perfectly double; each 15c. **South Orange Perfection.**—Soft blush pink; each 16c. **Pink Roamer.**—Single flowers, bright, rich pink; each 10c. **White Memorial.**—Fine single white for cemetery, perfectly hardy; each 16c. **Gardenia.**—Buds bright yellow, open flowers cream color; delightfully fragrant; each 10c.

Set of 5 Evergreen Memorial Roses for only 45 cents.



MOSELLA FAIRY ROSE,



## Beautiful Hardy Roses.

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. Nothing is more beautiful than a nice hedge of these roses. In the newer varieties the season of bloom is extended throughout the summer, although the grandest show of flowers is still made in the spring and autumn. South of Iowa the autumn season, after the first of October, is especially favorable for transplanting the hardy roses. The plants are dormant and by setting in deeply spaded, mellow, rich soil where no water can stand they will start much earlier in spring than plants set out then. Draw the soil up around the plants mound shape and after ground is frozen cover with straw or litter to keep frozen. Remember that we prepay charges on them.

**AMERICAN BEAUTY.**—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large full flowers, makes magnificent buds, very hardy, a constant bloomer. Each 15c. Dormant 30c.

**GENERAL JACQUEMINOT.**—One of the grandest roses in existence. Sure to delight every lover of the beautiful, as nothing can surpass them in beauty. Color a rich, dazzling scarlet, shaded with deep velvety crimson, making a superb glowing color. Flowers large; free bloomer. Each 15c, dormant 30c.

**BARON DE BONSTETTEN.**—*The Black Rose.* Has splendid large flowers, very double and full. The color of this rose is a rich dark red, passing to a deep velvety maroon, nearly black. It is highly scented and very beautiful. Each 15c, dormant 35c.

**MADAME PLANTIER.**—Flowers borne in great profusion, pure white, hardy as an oak, and as certain to grow as grass. Blooms in June. Each 15c, dormant 30c.

**JOHN HOPPER.**—Flowers large, regular and full, brilliant rose, shaded crimson. Each 15c, dormant 30c.

**MRS. JOHN LAING.**—Constant bloomer, most exquisite shade of silvery pink. Each 15c, dormant 30c.

**DUCHESS OF ALBANY.**—Deep pink, very large and full, highly perfumed; of strong healthy growth; blooms abundantly. Each 15c, dormant 30c.

**COQUETTE DES ALPS.**—One of the finest Hybrid Perpetuals; flower large, full, finely formed; pure white, sometimes faintly tinged with pale blush; profuse bloomer. Each 15c, dormant 30c.

**MOSS ROSES.**—Acknowledged queen of all roses; moss-covered stems and buds show off delicate loveliness of blossom to great advantage. Hardy, bloom freely, of easiest culture and succeed on any soil. Can furnish crimson, pink or white in strong dormant plants at 30c. each.



GENERAL JACQUEMINOT ROSE.

**DINSMORE.**—Always in bloom, with large, finely imbricated flowers of a rich bright crimson. Each 15c. Dormant 30c.

**MAGNA CHARTA.**—Dark pink; very pretty. Each 15c. Dormant 30c.

**CRIMSON RAMBLER.**—A most desirable climbing variety. As a pot plant it is unequaled for decorative purposes. It is exceedingly hardy. Flowers are produced in large trusses and of the brightest crimson color. Each 10c. Strong dormant plants 30c.

**YELLOW RAMBLER.**—Like above except that it is golden yellow and is one of the most satisfactory sorts. Each 15c. Dormant 30c.

**WHITE RAMBLER.**—Quite similar to above except that it is pure white. Each 15c. Dormant 30c.

**PINK RAMBLER.**—Of vigorous climbing habit with flowers of shining rose color. Each 15c. Dormant 30c.

### HARDY CLIMBING ROSES.

**MARY WASHINGTON.**—A hardy perpetual blooming climber, producing double snow white blossoms from June until frost. In this lovely rose our first president took special delight, and named it after his mother, Mary Washington. The original bush can yet be seen at Mt. Vernon. Each 15c. Dormant 30c.

**MANDA'S TRIUMPH.**—A beautiful white climbing rose. It is a very rapid, sturdy grower, and bears a profusion of double, pure white, beautifully imbricated flowers; elegant for cemetery. Each 15c. Dormant 30c.

**PINK ROAMER.**—Single, flowers pink with white center. Strong, vigorous grower, quite similar to the White Memorial. Each 10c. Dormant 30c.

**BALTIMORE BELLE.**—Very double blush white, in large clusters, completely enveloping the whole plant with bloom. Each 10c, Dormant 30c.

**PRAIRIE QUEEN.**—An old standard variety, and one that will always be popular. Bright rosy red, large, compact and globular flower. Each 15c, Dormant 30c.

**RUSSELL'S COTTAGE.**—Dark crimson, very double and full; extra strong, rampant grower. Each 15c. Dormant 30c.

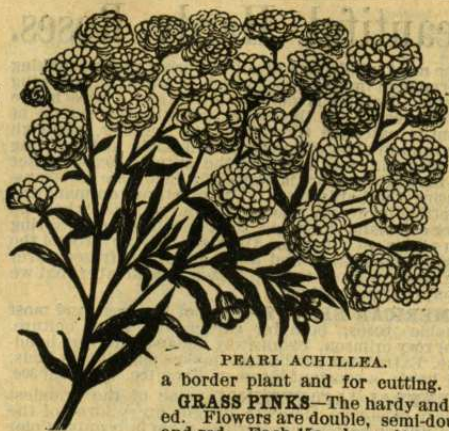
**SEVEN SISTERS.**—Crimson, changing all shades to white blooms in clusters. Each 15c. Dormant 30c.

**ENGLAND'S FAVORITE.**—A grand new copper colored sort. Each 15c. Dormant 40c.



MOSS ROSE.





PEARL ACHILLEA.

a border plant and for cutting.

**GRASS PINKS**—The hardy and pretty clove-scented flowers which our grandmothers loved. Flowers are double, semi-double and single, and range from pure white to dark pink and red. Each 15c. dozen \$1.25.

**CRIMSON EYE HIBISCUS**—A robust grower, with dark red stems and foliage. The flowers are immense in size, often measuring *twenty inches in circumference*. The color is of the purest white, with a large spot of deep velvety crimson in the center of each flower. It will succeed anywhere and is perfectly hardy. Each 15c. dozen \$1.25; extra large 30c. each.

**DICENTRA SPECTABILIS**.—The old Bleeding Heart, the flower of our childhood, which is as lovely to-day as then, though not so common. Bears in early spring long chains of pendulous bloom of exquisite beauty. Each 20 cents.

**DAY LILY**. *White*.—Pure white lily-shaped flowers borne in large clusters. This is sometimes quite scarce but we have a good supply this year. Each 15c. doz. \$1.50

**DAY LILY**. *Blue*. Like above only flowers are of a lovely blue color borne on tall spikes. Each 15c. dozen \$1.25.

**DAY LILY**. *Variegated*.—Charming variety with beautifully mottled dark green and pure white leaves, lilac flowers. Each 20 cents, doz. \$2.00

**LEMON LILY**. *Hemerocallis Flava*.—This handsome flower is not a true lily as the root is of different shape, but flower is very much like *Lilium Speciosum* in form, about 3 inches in diameter. A clear lemon yellow, very bright, pleasing appearance. Each flower stem bearing 7 to 20 flowers; hardy. Each 15c. doz. \$1.50.



SWANLEY WHITE VIOLET.

## HARDY PERENNIAL PLANTS.

It is really wonderful the immense demand which there has been for these, during the past few years our trade in this line multiplying fourfold every year. They 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. These are all hardy; the tops dying down every winter, but coming up again in the spring. It is well to cover with leaves or litter after ground is frozen. We pay the postage on all of these and you may select \$1.25 worth at the single rate for \$1.00

**ACHILLEA**, *The Pearl*.—Beyond question the finest of all plants for cemetery planting. The flowers are of good size forming a beautiful plant eighteen inches high, completely covered with pure white flowers from July till frost. Our cut shows one of the numerous heads of bloom with which the plant is covered. Each 10 cents, dozen 75 cents.

**ACHILLEA MILEFOLIUM ROSEUM**.—Finely cut deep green foliage. Bears a mass of handsome bright pink flowers in heads or umbels. Well worth growing, both as 15 cents each, \$1.50 per dozen.

**ORANGE LILY**. *Hemerocallis Demorteri*.—Similar to Lemon Lily but of a fine orange color. Each 15 cents; dozen \$1.50.

**PARDANTHUS**. (*Blackberry Lily*).—Quite curious and handsome. Flowers orange color and spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters exactly like a blackberry in size, shape and color. Each 10c, 3 for 25c, doz. 85c.

**MONARDIA DIDIMA**. (*Oswego Tea*).—Flowers bright scarlet, produced in spikes. Each 10c, doz. 75c.

**MYRTLE**.—A handsome trailing plant largely used for cemetery planting. Has beautiful, glossy dark green leaves. Flowers heavenly blue. Each 10c, doz. 75c, \$4.00 per 100.

**GLECOMA**. (*Variegated Ground-Ivy*).—The foliage is a bright green, marked with pure white, and has a refreshing fragrance similar to mint. Each 10c.

**SAPONARIA**.—An old fashioned perennial with pink flowers. Often called *Bouncing Betsy*. Each 10c.

**VIOLETS**.—Should be well covered in winter.

**Marie Louise**.—The finest double blue violet grown. Color deep violet blue, very fragrant, continual bloomer. Each 10c, doz. \$1.00.

**California**.—Grand new single variety. A sturdy grower, dense, heavy foliage, free from disease. Flowers fragrant, a clear, unfading violet purple. Flowers large and borne on stems ten to twelve inches long. Hardest of all. Each 10c. doz. \$1.00.

**Swanley White**.—Unquestionably the finest double variety in existence. Of vigorous growth, producing a great many of the pure snowy white double flowers. It has such a delightful odor it has been called the "Queen of Fragrance." Each 10c. doz. \$1.00.

**AQUILEGIA**.—These beautiful flowers, often called Columbinas, are always beautiful and attractive, reminding one of the woods. We have many handsome colors in our mixture. Each 16 cents, doz. \$1.25.

**NEW GOLDEN COREOPSIS**. (*Lanceolata*).—One of the most showy hardy perennials grown and bears throughout the summer. Bright golden yellow flowers; easily grown. Each 15c. dozen \$1.25.

**CRIMSON EYE HIBISCUS**.—This elegant Hibiscus is a robust grower, with dark red stems and foliage. The flowers are immense in size, often measuring 20 in. in circumference. Color pure white, with crimson center; hardy. Each 15c. doz. \$1.25; large 30c. each.

**ORNAMENTAL GRASS**.—The common striped grass—no two leaves alike. Pretty for clumps or borders. Each 10c. doz. 75c.

**GAILARDIA GRANDIFLORA**.—Very showy and effective hardy perennial; begins to flower in June and continues a mass of bloom the entire season. Center of flower is a dark reddish brown, and petals brilliantly marked with various colors. Each 15c. doz. \$1.50.

**HARDY PERENNIAL PHLOXES**.—Hardy herbaceous plants, which should be planted largely, can be used either as single specimens, or as large clumps in the garden or lawn. Each 10c, doz. \$1.00.

**HELIANTHUS MULTIFLORUS PLENUS**.—Flowers are from three to four inches in diameter, as double as any Double Dahlia, and cover the plant from the ground to the top. Color a bright golden yellow. It should have a sunny position. Each 10c, dozen 75c.

**RUDBECKIA GOLDENGLOW**.—Of fine habit, vigorous growth, with early continuous and immense blooming qualities. The stems are long and gracefully poised. Nice for a screen row at back of lawn. Price 10c, doz. \$1.00.



# WIRE PLANT STANDS

We carry a larger stock of these than any firm in the west, and instead of the common iron frames we are now having them manufactured with steel frames, and they are far stronger, handsomer and lighter than any yet offered. Will last twenty years with proper usage, and as they weigh only 15 to 50 pounds each, the freight is trifling.

**NO. 6.**—One of our most popular styles, quite ornamental, and for persons having but few plants, one of the most desirable. A vining plant set at each end of top shelf and trained over the arch adds greatly to its attractive appearance. Height 6 feet; shelves 36 inches long. List price \$5.50; our price only \$4.00.



NO. 10 PLANT STAND

**NO. 7.**—Exactly like No. 6 except that it has no arch or basket. List price \$4.00. Our price \$3.00.

**NO. 8.**—Holds a large number of plants and all get equal light. Size, 42 inches high; 26 inches deep; has three shelves each 36 inches long; will hold about 30 pots. List price \$6.50. Our price only \$4.50.

**NO. 9.**—Same as above with an arch and basket added. List price \$8.00. Our price \$5.50.

**NO. 10.**—A very popular stand well shown by the engraving, except that we usually make them with a gothic arch. Holds 20 to 30 plants. Height 5 feet 10 inches; width 40 inches and 26 inches deep. We sell more of these than any other pattern and are thus enabled to make a specially low price. List price \$7.00. Our price, including arch and hanging basket, only \$4.50.

**NO. 11.**—Same as above, but without arch or hanging basket. List \$6.50. Our price \$3.50.



NO. 6 PLANT STAND.

**NO. 3.**—Similar in style to No. 10, but much larger. Height of stand and arch about 6 feet, width 4 feet, depth 31 inches. Has four legs. List price \$8.00. Our net price only \$5.50. **NO. 4.**—Like above, but without arch or hanging basket. List price \$6.50. Net price \$4.50.



WIRE PLANT SHELF.

## WIRE BRACKET.

This new pattern is a very cheap and handsome bracket made of tinned wire. It is easily put up, adjustable, can be instantly removed, is simple, practical and durable. Price, 4-inch, 10c each, \$1.00 per doz.; 5-inch, 12c each, \$1.25 per dozen; 6-inch, 15c each, \$1.50 per doz.; postage 8 cents each extra.



## WIRE WINDOW SHELF.

These can be fastened to window frames either inside or outside. They are strong and attractive, 36 inches long, 6 or 7 inches wide. The border is not as high as shown in the engraving. Price \$1.00 each.

## CHRISTMAS DECORATIONS.

Why not decorate your house with evergreens this year and have a good old-fashioned Christmas? We have had 25 years' experience handling these goods and we sell carloads of them every year. We know where to obtain the choicest **HOLIDAY DECORATIONS** and they are just like our seeds, "the best quality obtainable." Better order early and we will select stock for you and ship at proper season. Purchaser pays freight or express charges.

**CHRISTMAS TREES.**—Price: 2 to 4 feet high each 25 cts.; 3 to 5 feet 35 cts.; 4 to 6 feet 50 cts.; 5 to 7 feet 65 cts.; 6 to 8 feet 75 cts.; 7 to 9 feet \$1.00. Large church trees at \$1.25, \$1.50, \$2.00, \$3.00, \$4.00 and \$5.00 each.

Bouquet Green, Evergreen Garland or Wreathing, English Holly, Mistletoe, Wreaths, etc. Ask for price in season





## Indiana Broadcast Seed Sower.



Has a solid malleable iron frame but the hopper and most of the machine is of steel. The bag will hold half a bushel. It is equipped with an agitator thus making a practical force feed, and also with a seed gauge for adjusting the quantity of seed sown. A special feature of this machine different from all others is that the crank can be used either on the right or left side. It is therefore the only seeder that we know of that a left handed operator can use with ease. It weighs only 3½ pounds; will sow 50 feet of wheat or rye at a round, 30 to 36 feet of flax, clover, timothy, or millet; light grass seeds 15 to 30 feet. Price only \$1.50.

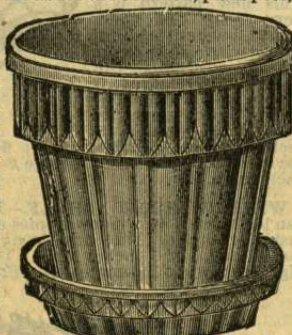
**LITTLE GIANT HANDSEED SOWER**—An excellent fiddle bow sower. Price \$1.50.

**IOWA HAND SEED SOWER**—One of the best makes on the market. Each \$2.00.

**PERPETUATED PALMS**—These plants are made up of the natural palm leaves similar to the *Latania Borbonica*. The leaves are colored a natural green and made up into plants with fibre stems. They look natural and keep nice for many years. Small 5-leaf plants each \$1.25, larger \$2.00, large 7-leaf plants \$3.00 each.

**FLUTED FLOWER POTS**—A handsome new pattern. Price is the same as for the common, plain pots,

so they are sure to be popular. The following prices per dozen are for the pots and saucers: 4 inch 60c, 5-inch 75c, 6-inch \$1.00, 7 inch \$1.50, 8 inch \$2.40, 9 inch \$3.00. We make no charge for packing or delivering at the depot here. Orders for these must amount to at least \$1.00. Many styles of handsome pots, jardinières, hanging baskets, and vases at extremely low prices. A nice plant is deserving of one.

**SULPHO-TOBACCO SOAP**

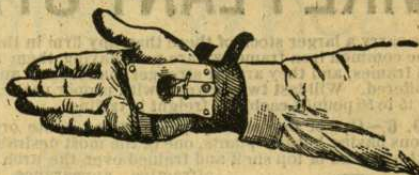
—For a cheap effective, clean and harmless insecticide for Amateur and Professional growers this is unexcelled. Quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. It acts as a valuable fertilizer reviving plant life. For domestic purposes it rids the house of cockroaches, and is a superior wash for dogs and all animals. Prevents poultry lice. You cannot afford to be without this well-known insecticide, if you desire to be successful in plant culture. A trial will give highly gratifying results.

3.oz Cake, sufficient for 1½ gallons prepared solution, 10c mailed postpaid 13c.

8-oz. Cake, sufficient for four gallons prepared solution. 20c; mailed postpaid 28c.



## Ramsey Adjustable Corn Husker.



We wish every corn grower in the United States could see one of these new huskers as we do not believe there is an intelligent farmer in the country who would not adopt it at once and discard all the old style devices. Farmers who have tried it had rather pay \$2.00 for one of these than 10 cents for any other make, as with it they can husk 25 to 50 per cent more corn and do it with less labor. The strain does not come on the fingers and thumb, but is on the strongest part of the hand. The husker is attached with triple straps and three buckles and fits the hand perfectly, leaving the fingers free and making a perfect wrist support. Can be worn over a glove or mitten. It is the most durable husker made, therefore the cheapest. Price 50 cents each postpaid; 6 for \$2.50.

**CLIPPER SEED CLEANER**—This is an up-draft fanning mill and does the best work in cleaning all kinds



of seed and grain, more of these are used by seed dealers than of all other makes combined, and farmers would in many cases save the price of a mill by cleaning and grading up their grain before selling. Price only \$2.00, or if sent direct from the factory in Michigan, only \$19.50.

**FARM FANNING MILL**

—A good straight blast machine. Price \$15.00.

**WALKER'S EXCELSIOR PLANT FOOD**—A soluble food for house plants containing all the elements necessary to nourish and make beautiful both flowers and plants. It makes brighter flowers and prolongs the period of blooming. Large box containing sufficient for 25 plants one year 25c, or postpaid 40c; small pkg. 15c, postpaid 25c.

**JAPANESE PALM FOOD**—A chemically prepared fertilizer that will make healthy plants and beautiful foliage. Odorless, soluble and readily assimilated. Endorsed by all plant lovers who have used it. Excellent for Palms, Ferns, Rubber Plants, etc. Price 25c, postpaid 45c.

**SCOLLAY'S RUBBER SPRINKLERS**—Indispensable for floral work. Excellent for washing the foliage of house plants, and used largely for sprinkling clothes.

Standard size ..... \$1.00  
Same postpaid ..... 1.10  
Small size ..... .60  
Same postpaid ..... .70



**BOWKER'S AMMONIATED FOOD FOR FLOWERS**—A fertilizer made especially for plants grown in the house, garden or conservatory; clean, free from offensive odor and is largely soluble in water, producing healthy plants and early and abundant blossoms, to which it imparts a rich and brilliant color. It starts plants at once into a vigorous and healthy growth and drives the insects and worms from the soil. Large box containing sufficient for 20 plants for one year 25c, or postpaid 40c, Small pkg. 15c, postpaid 25c.





POT GROWN STRAWBERRY.

**ROUGH RIDER**—A grand new variety which has proved to be one of best vigorous growing and productive sorts for setting out. Fruit is somewhat irregular in shape but very large and productive and of excellent quality. Per doz. 50 cts; per 100 \$2.00 Potted plants per doz. 75 cts.

**LOVETT'S EARLY**—A favorite variety in the east and also becoming quite popular in this part of the country. It is early and of excellent quality. Per doz. 50 cts.; per 100 \$1.75. Potted plants per doz. 75 cts.

**PLEASE REMEMBER**—That all of the above plants are grown on our own place. They are strong, healthy stock, and are packed and shipped the same day that they are dug. Our price includes prepayment of postage or express charges. If out of potted plants we will send a larger number of the others.

## Pot Grown Strawberry Plants

This year we are growing a few thousand strawberry plants in pots for the fall trade as they are very much superior to the ordinary ground layers usually sold. All the fibrous roots are saved in this way and by setting out the plants during September they will produce a crop of fruit the next season thus saving a years time. For the home garden set plants in rows two feet apart and about 18 inches apart in the row. Firm plants well in the soil and mulch the bed with straw or leaves after surface has frozen. All the following sorts are perfect flowerling and will therefore produce a full crop when planted alone. We prepay the postage at these prices. Deduct 15 cents per dozen if to be shipped by express at your expense.

**SENATOR DUNLAP**—A most excellent medium sized berry which is hardy and will stand neglect better than any other sort, is a strong grower and very productive. Price per doz. 100 cts; 100 for \$2.00. Potted plants per doz. 75 cts.

**PARKER EARLE**—One of the best varieties for family use as it bears for some time and yields well. Per doz. 50 cts; per 100 \$1.75 Potted plants per doz. 65 cts.

**BISMARCK**—A late variety resembling the Bubach, and while not as large is much better in shape, color and quality. Per doz. 50 cts. per 100 \$1.75. Potted plants per doz. 65 cts.

**BEDERWOOD**—An old standard sort in great favor with large berry growers. Per doz. 40 cts. per 100 \$1.25. Potted plants per doz. 65 cts.

**JESSIE**—A handsome large berry which does especially well on woodland soil. Per doz. 45 cts. per 100 \$1.50. Potted plants per doz. 65 cts.

**BRANDYWINE**—A large, bright colored, firm berry of excellent quality; plant is of remarkably vigorous growth, ripens in mid-season. Per doz. 50 cts; per 100 \$2.00. Potted plants, per doz. 75 cts.



HARTZ MOUNTAIN CANARY.

## CAGE BIRDS AND GOLD FISH.

To occupy the time of our clerks during the dull season in the seed business, we some years ago added a department of birds and gold fish. This trade has now grown until we claim to fill a larger number of mail orders for them than any firm in America. There must be some good reason for this and if you are interested in these subjects we would be glad to send you a copy of our special catalogue of birds and fish. It is free.

**HARTZ MOUNTAIN CANARIES**.—These are a leading specialty with us. They are bred in Germany, high up among the Hartz Mountains, and are famous for their clear, pure, beautiful song, which is a restful melody. Choicest male birds \$3.00 each; second grade birds at \$2.25.

**ST. ANDREASBERG ROLLER CANARIES**.—These trained birds are no doubt the finest songsters in the world. Their tones are sweet, round and full, consisting of delightful bell notes, low water bubble, charming flute notes, long, silvery trills and whistling. Each \$5.00.

**RED BIRD or CARDINAL**.—A handsome bird with bright red plumage. Whistles so nicely that it is sometimes called the Virginia Nightingale. \$2.50 each; females \$2.00.

**MOCKING BIRD**.—The most beautiful songster of all American birds and has wonderful powers of mimicry. It will imitate any sound it hears, whether it be a canary, nightingale, the cry of a katydid, the squeaking of a pump-handle, or the squealing of a pig. Nice healthy young birds \$3.00 each; older birds beginning to sing \$7.50 each.



**PARROTS**.—There seems to be an irresistible fascination in a bird that has the ability to imitate the sounds of the human voice, and where a large variety of birds are shown together there are invariably more persons surrounding the parrot cages than those of any other bird. We furnish young hand raised birds at from \$5.00 up and give a written guarantee that they will learn to talk. Educated parrots from \$15.00 to \$40.00.

**THE AQUARIUM**.—A well regulated aquarium adds an elegance to any place and is one of the most desirable ornaments for the parlor, library, sitting or dining room. It offers a wide opportunity for the study of nature, the motion of animal life eliciting the admiration of all, while affording instructive amusement for the children. The fishes require very little attention and live a great many years. Can be shipped any distance at all seasons of the year. Gold Fish from 10c up. We publish a large catalogue of fancy fish and aquarium supplies; it will be sent on request.



TULIPS

LILY OF THE VALLEY

HYACINTHS

IOWA SEED CO. DES MOINES

*Illustration by F. J. Smith, New York*

ACRES OF PAEONIES

