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**GALLOWAY'S**

**PURE SEED BOOK**

FOR  
1914

**OUR SPECIALTIES**  
ALFALFA-CLOVER-COWPEAS-SOY  
BEANS-VETCH-CANADIAN SEED OATS  
" NITRAGIN "

**GALLOWAY BROS.-BOWMAN COMPANY**  
*PURE SEED SPECIALISTS*  
— WATERLOO, IOWA, U.S.A. —

## Partial view of our propogating hot house in Waterloo



Partial view of our seed testing farm near Waterloo. There is no seed offered in this catalog that has not been tried and tested by us. It pays to get tested seeds.



Corner of our herbaceous border showing hardy phlox and Iris Germanica. Read what we say on another page about hardy perennials.



Another view of drive in our famous trial grounds on our trial farm near Waterloo. This is the kind of a test all our seeds get. They must pass muster. When you stop to consider that the least expense you have in connection with a garden or crop is the seed, why take chances by buying untested and unreliable seed?







**READ THIS TWICE**



**WILLIAM GALLOWAY, Pres.**  
Also Pres., the William Galloway Co.,  
Waterloo, Iowa

**J. W. GALLOWAY, Vice-Pres.**  
and Farm Supt.  
La Jord, Sask., Canada

**PROF. M. L. BOWMAN,**  
Former Prof. Farm Crops, Iowa  
Agricultural College

# A Fighting Campaign for Pure Seeds AND Legume Crops

*To the Tillers of the Soil—The Farmers—The Truck-Gardeners—The Small Gardeners—  
The Housewives—The Boys and Girls—To Everybody Who Buys Seeds:*

## GREETINGS!

Dear friends:

Good Morning!

Here it is—**Our 1914 Pure Seed Book!**

Read it over from cover to cover.

It's New, Different and Original.

It's chuck full of tremendous values in the seed line—of Galloway Hi-Quality at **Right Prices.**

This small space will not permit me to tell you everything I would like to about the tremendous value of the right kind of seeds on every farm.

If only **Pure Seed**—no second or third grades—were put in on every farm it would add untold millions of wealth to this country.

Now right at the start of this seed book I will tell you briefly a little history of how we got into the seed business and why we are doing seed business differently from anybody else today by offering one **Quality**—Absolutely and positively the best.

I was raised on a farm and have farmed all my life. It was always my business when I was a boy at home on the farm to run the garden. I sent away for every seed catalog that I could get hold of, studied them over and tried all kinds of seeds, and while it is true that I have gotten into the manufacturing business in a large way and do a business that runs up into the millions through the William Galloway Company of Waterloo, Iowa, yet the seed business was my first business, because I always had to buy the seeds at home on the farm.

The first money I ever earned in my life on the farm near Berlin, Iowa, was buying watermelon seed and growing and selling watermelons for ten cents a piece, and I found how hard it was to get good seeds, **Pure Seeds**, and seed that were **True to Name.**

I also learned that other people had the same difficulty and I determined to some day get into the **Pure Seed** business and supply nothing but **Pure Seeds.**

I remember well my brother J. W. and I used to send away for a special brand of watermelon seed, and how somebody one night raided the patch, and for a week afterwards we sat up all night in the corn field with a shotgun loaded with wheat to guard the crop.

Later on my brother went to Canada and started a large farm where he made a specialty of raising oats. I later became interested with him, and one day I ran across a special brand of new and improved English oats at the Iowa State Fair, which looked to me to be the most wonderful oats I had ever seen.

I immediately bought 250 bushels for which I paid \$500 cash, and shipped them to Canada, believing that oats grown in Canada where they had to resist all kinds of cold weather, frost, etc., would be a great thing for this country as they would be **Hardy, and Full of Life** which would enable the farmers of this country to put them in early and they would have the vitality to stand frost—early frosts like they have to in Canada.

My belief was right.

The result is we have made the name of Galloway Bros. famous as oats growers throughout the entire United States and Canada and I believe we produce a **quality** of oats on our farm the like of which has never been produced in this country.

At first some people thought it would not do to sell these seed oats in the United States, but we found they were the very thing for this country and today have hundreds and hundreds of customers who have written us every year telling us of the success they had with our **Fresh, Hardy, Imported Canadian Seed Oats**, making yields on their farms of two, three and in many cases four times as much as ordinary oats.

So great was the demand for this seed and so great were the results obtained that it attracted attention from everywhere, especially Professor M. L. Bowman, former Professor of Farm Crops, Iowa Agricultural College, the man who inaugurated the Seed Oats Special Train that went all over Iowa.

One day I met Professor Bowman.

He said, "Galloway, you are doing a wonderful thing for the farmers of this country" and further said he often had in mind some time starting a **Pure Seed** business selling not only the very purest of small **Grains, Corn, Alfalfa, Clover**, and all the **Grasses**, but the very best **Vegetable and Flower Seeds** as well. He said, "Galloway, the man who will start in and make up his mind to sell only **Pure and Unadulterated Seeds** can do a tremendous business in this country."



# READ THIS TWICE



"He will not only do a great deal of Good, but he will get the support of tens of thousands of farmers who will be willing to cooperate with him in every way possible, and it will also add millions of dollars to the wealth of this nation."

The result was we organized the Galloway Bros.-Bowman (seed) Company.

We can truthfully say from our past experience that the entire country has welcomed the **Pure Seed** movement and responded in a way that is almost unbelievable.

Last year our trade was nothing short of phenomenal. The quality of seed we sent to our old customers and the results they obtained has not only held our old customers but brought us thousands of new ones.

So heavy was our business last year that we were compelled to employ as high as two hundred people to fill the orders, and from present indications this year's business will far surpass it.

But we are prepared for the rush.

We are now thoroughly organized in our new seed house, are located with two railroads right at our doors, and every modern facility known to the business at hand to enable us to carefully and efficiently fill your orders with promptness and dispatch.

## Now Listen! Did You Ever Stop to Think That

—No matter how valuable your land—

—No matter how much you weed, dig, hoe or cultivate—

—No matter how deep you plow, how well you make the seed bed, how much you disc or harrow—

—No matter how much the sun shines—

—No matter how much it rains, or how much you irrigate or water—

—No matter how ideal the weather conditions, how much you fertilize or manure—and every one of these things represent real money—**\$ Cold Cash \$**—it is all lost—all wasted—all the effort is for nothing—**if in the first place you don't have the right kind of seed, and good seed after all is said and done costs the least and is the smallest investment you put into any field, crop, or garden.**

Good seed is the smallest initial expense and yet counts for the most.

Good seed is exactly the same as good live stock—**Like begets like.**

You cannot get good crops from poor, inferior, low germinating, weak seeds, half hulls, any more than you can get good live stock from poor, inferior, ill-shaped, crooked backed, low grade, stunted live stock parents.

When you want to head any of your herds you always pick out the best.

It's the same way with seeds.

You can ill afford to take a chance by buying the cheap kind.

## Pure Seed Best Weed Killer

Did you ever figure out that in many cases, especially in the line of small grains, clover, alfalfa and grasses, that plump fresh seed throws up hardy, robust and vigorous stalks, which go farther to kill the weeds than anything else, because if the seed does not throw up a plant and there is a vacant place the weeds will always take possession?—And this is exactly what you get when you buy seed that is part filler and every grain is not plump and hardy.

I know from my own experience on the farm myself.

That's why I want you to try some of our seed that is **pure, genuine (true to name), and unadulterated.**

We believe the average farmer, grower and gardener appreciates the opportunity to get pure seed, because pure seed is just the same as pure food, pure milk, pure drugs or anything else—always the best and the cheapest.

We believe the seed we offer you here in this catalog is cheap when compared with poor seed if you got the poor seed for nothing and was paid cash for buying it besides, when you stop to consider the Net Results at harvest time.

Our **Pure Seed** is sold at right prices.

When we started in on other small grains in addition to oats, legumes, vegetable, flower seeds, etc., we made up our mind we positively would never start until we had the right line up. We spent considerable time in our search for the right men to assist us in these lines. We wanted men who were conscientious, and men who knew the business, and we have associated with us two of the best seed men in the entire country—men who know the business from A to Z, and have devoted their entire lives to this work—Mr. E. S. Gunn, formerly of Lincoln, Nebraska, and Mr. George Hall from England.

Mr. Gunn is a recognized seed authority and is known throughout the corn belt. He is a man with a conscience who would not knowingly have a dissatisfied customer, nor would he put out one pound of seed without positively knowing that it passed the germination test, was true to name and everything the customer could expect.

Mr. George Hall, formerly of England, has spent his entire life studying the seed business. He knows every grower; he knows the good ones, he knows the bad ones; he knows all about the seed "trade tricks" and secrets, which we do not hesitate to state here as we want you to know the truth, which we can back up with absolute proof.

Here is one of the trade secrets.

Some concerns offer many different kinds of seeds which come out of the same bin.

Some concerns put in what is called "filler," which is practically dead seed, and mix it with live seed, and while the larger per cent of it may germinate and grow, yet a certain per cent of it is dead and will not grow, and in the long run you have paid a higher price for it than you would have paid for good seed in the first place, and in this way you put some seed in the ground that will not come up, which simply means that weeds will take their place.

We will not adulterate our seed, and while it is impossible in some cases to have 100% perfect seed, where every single seed will grow, yet it is possible to get it very near this 100% perfect mark, and this is the kind of seed we religiously try to send out.

Mr. Hall tests every kind of seed for germination and it must pass a certain per cent of perfection before it is allowed to be sent out by us.

We also want to tell you the truth about growing seed which is a surprise to many.

It is this:

Some concerns make great claims about growing their own seed, leading the public to believe that they grow almost every kind of seed they offer.

Now this is an absolute impossibility.

There is no concern in the United States selling seeds today that grows all their own seed, because no one climate will produce all kinds of seed to their highest perfection. For example: the choicest beets, mangels, parsnips and other roots are grown in Great Britain and France. Our seeds in this line are imported from the best growers in these countries. Our Cauliflower, Kohl Robi and Cabbage are imported from the best growers in Holland and Denmark and many of our Flower seeds come direct from Germany.

We would not be giving you a **square deal** if we would tell you we grew these things, because they cannot all be grown successfully by any one concern.

We do, however, grow our Seed Oats and Seed Wheat on our big Canadian farm because these grains do reach their highest state of perfection and yield in this climate. These grains are grown under the personal supervision of J. W. Galloway. We have our own test grounds here at Waterloo and absolutely know the quality and merit of every class of seed we offer before we put it in our catalog.

Our experience has taught us that a pleased customer is always the best advertisement, and we wish right here to thank our old customers for their most generous and responsive trade.

It is simply something wonderful—the demand for the right kind of seeds. It's a demonstration that good seed that can be absolutely banked on is scarce and hard to get.

## Read Our Vow

When we associated ourselves together as a seed company, what was foremost in our minds was **Pure Seed**. We made up our minds we would not organize a company at all and go into the seed business unless we handled only strictly the best.

We also decided we would not offer cheap stuff at all, that we would rather let the other fellow sell the cheap seed (such as \$5 to \$7 clover and alfalfa seed that is being offered by many and who say right in their offering that it is ungraded, uncleaned and untested) because we know that this seed is the most expensive to any buyer in the long run and a dangerous thing to deal with.

Therefore in order to show our friends and customers our sincerity along this line we went before a notary public and made a vow and signed the vow before the notary public that under no circumstances would we fill any order for seed unless we could give our customer absolutely the best, regardless of what it cost us—that there would be no second or third grade qualities of seed offered in our **Pure Seed Book**.

You can depend on this. The inspection of this seed is under the direct supervision of J. W. Galloway, Mr. E. S. Gunn and Mr. George Hall. No seed is put into any packet or shipped out until it is first tested for germination and must show a high per cent or we will simply discard it.

If you are looking for cheap, low priced seeds, don't expect to get them from us, although we claim and positively believe that our seed at the prices quoted in the catalog, which are





# READ THIS TWICE



very reasonable, are much cheaper than low grade seeds if you got them for nothing and was paid cash besides, because after all is said and done it is net results at harvest time that count.

Take for example: one bushel of our Genuine Regenerated Swedish Selected Seed Oats, with every seed fresh, hardy and sprouting. This one bushel will go farther and make a more vigorous growth for you than three or four bushels of some other kind that is much cheaper, half of which may not germinate at all.

It is exactly the same way with our alfalfa, clover and grasses. We do not put in a certain per cent of dead seed in order to absorb a certain amount of low grade seed. We won't do it.

That's why we have made this vow.

It's the same way with our vegetable seed. We don't offer, for example, six or eight kinds of one variety of bean, beet, pea, carrot or turnip, and give them to you all out of one bin. We offer you only one grade of its kind and that is strictly and only the best.

Remember it is just as easy to put in and harvest a big crop as a poor one and a lot more satisfactory, and the seed is the lowest initial cost.

Now I just wish to briefly call your attention to a few of the things on which we specialize in this book.

It is well worth your time to look them over.

## First — Oats

It is hardly necessary for me to tell you again of how our Imported Regenerated Swedish Select Oats have made many a farmer see daylight ahead in oats raising.

All you have to do is simply turn over to page 5 and read a few of the hundreds of letters we have received from satisfied growers.

They tell the whole story.

Turn over to page 8 and ask yourself this question:

What kind of oats am I going to put in myself for 1914?

## Second — Marquis Wheat

On our Canadian farm last year we raised about 10,000 bushels of this wonderful wheat. Our seed came from the Genuine Sanders strain and went on our farm in Canada over 45 bushels to the acre. This wheat is two weeks earlier than any other wheat we ever put in. It is a tremendous yielder, and produced No. 1 hard on our farm.

The Iowa Millers' Club shipped 5,000 bushels of Canadian grown Marquis Wheat to Iowa for distribution throughout the mills and elevators.

The Club made an investigation and found that Marquis Wheat excels all other varieties of spring wheat in every way and especially in the following points:

1st. It ripens ten days to two weeks earlier, which gets it out of the way before the extreme hot weather.

2d. The straw is short and strong, making it less likely to lodge.

3d. Yield exceedingly heavy, running as high as 50 bu. per acre, seldom under 30.

4th. Wheat tests from 60 to 65 lbs. and has been known to test 70 to the measured bushel.

Marquis Wheat took the \$1,000 prize offered for the best wheat in America by Sir Thomas Shaughnessy, and also the \$3,000 prize at Lethbridge, Canada, in a contest open to the world. It has been tried in Iowa for two consecutive years with marked success, yielding 30 bu. to the acre. It is rapidly displacing other varieties in Canada, the Dakotas and Minnesota.

One Minneapolis miller purchased 50,000 bushels for distribution through their county elevators.

Good any place in the wheat belt.

## Third—Legume Crops (Alfalfa, Clover, etc.) and "Nitragin," the Famous Inoculator for All Legume Seeds

Space will not permit me to say here what I would like to about the tremendous importance of properly inoculated legume crops on your farm, such as alfalfa, clover, cowpeas, soy beans, vetch, etc.

In Iowa alone there are 35,000,000 acres of land. If 3,500,000 acres or one-tenth of this acreage was put into alfalfa it would, at a conservative estimate of \$40 to the acre, over any other crop, add \$140,000,000 in cash wealth to the state of Iowa.

—And what is true of Iowa is true of almost any other state in the corn belt.

Alfalfa positively can be grown.

Everybody told me I could not grow it. They laughed at me, because so-and-so had tried it and failed, but I used "Nitragin" and had success that you can see with your own eyes right here near Waterloo.

Last year from 20 acres of Alfalfa, from which I cut daily, I fed 100 head of pure bred cattle in the month of August when every other pasture was dried up and the owners were feeding hay to keep the cattle alive.

How did I do it?

Simply by inoculating with "Nitragin."

Read what we say about alfalfa, clover, and the other legumes and "Nitragin."

If you don't do anything else for a whole week but study what we have said on this subject, and then act, you will make money on your farm.

We are putting on a Five Million Acre Alfalfa Campaign this year and we want you to join us.

Resolve now to put in 15 to 30 acres of alfalfa on your farm.

On a trip I took from Waterloo to Des Moines over one route and back from Des Moines to Waterloo over another route, I did not see one field of alfalfa, but saw the same old story repeated—corn, small grain, pasture and hay and cattle almost starving to death because they did not get enough to eat.

It's the lack of foresight.

It's surprising that our good wide-awake farmers of the corn belt don't get wise to the true situation, and resolve to put in 15 to 30 acres of alfalfa this year.

Alfalfa can be grown anywhere if the right methods are pursued, but don't forget that you can't make good bread without yeast, neither can you grow good alfalfa without proper inoculation. It is just as necessary.

What is true of alfalfa is true of clover, cowpeas, soy beans, and vetch. It will pay you to inoculate. It is not an expense, but a money-maker.

For two years in succession I could not get a "catch" of clover on my farm between Waterloo and Cedar Falls until I used "Nitragin" and I can show you right today the finest "catch" of clover you ever saw, because "Nitragin" inoculation was used.

We sell the "Nitragin" and we sell the alfalfa, clover, vetch and other legume seeds. We only offer you one quality,—absolutely and positively the best.

## Fourth—Vegetable and Flower Seeds

Look over our line of vegetable and flower seeds. We only offer one grade—absolutely the first and best—no second and third grades.

## Fifth — Fruit Trees, Plants and Shrubs

We offer you in this line fruit trees at less money than the average agent can buy them—fruit trees that must pass the horticultural test.

Notice our landscaping department. It will pay you to landscape your grounds. I made \$200 an acre on one farm by laying it out in drives, and walks, and properly landscaping it. It simply transformed its appearance and made it from a run down dismal looking place to the most beautiful show place in the country.

Now I would like to tell you a lot more in this personal appeal to you about our fight for pure seeds, plants and shrubs, which means better agriculture and better conditions, but space will not permit it.

All I wish to say in closing is simply this:

I would like to have you send us your order this spring. Remember we sell direct only. This catalog is our only salesman. You can't get Galloway Hi-Quality from any dealer.

I want you to personally join our Fighting Campaign for Pure Seed and Legume Crops.

NOTICE—If you should receive a duplicate of this catalog please hand it to one of your neighbors, as we often send out extras.

Yours for better seeds,

*Wm Galloway* President

GALLOWAY BROS., BOWMAN CO.



Galloway Bros.-Bowman Co. Waterloo, Iowa, U.S.A.



# Which Way Are You Going to Buy Your Seed?



No. 1 Here they are—the whole family—ordering Galloway Bros.-Bowman Co. seeds—picking out their entire supply of Farm, Field, Garden and Flower seeds, knowing that the seeds they get are Pure, Genuine and Unadulterated—fresh seeds that grow.



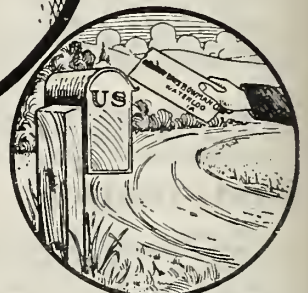
No. 5. You take chances when you buy at the retail store, as many of them carry a stale stock from year to year. See what the government says about packet store seeds, and the difference in germination between the retail store seed and seed direct from the mail order house.



No. 6. How could this man expect a good stand from seed of low germination—a large per cent of which are absolutely dead? Our seeds are all tested, are pure, genuine and unadulterated. Dead, low germination seeds are dear at any price.



No. 7. Disappointed; discouraged; disgusted. How could it be otherwise? Packet seed got out of a store or from a cheap, unreliable seed house that didn't grow like he expected. No matter how much work and labor he put in, which is money, no matter how expensive his land is, which is money, no matter how much sunshine or rain, which is money, he lost a big per cent of his crop, because his seed was cheap and poor, and yet the buying of seed was the smallest expense he had in connection with the whole crop.



No. 2. They made out the entire order and simply placed it in Uncle Sam's mail box, which safely and quickly delivers it to Waterloo where it is filled with pure, genuine and unadulterated seeds—the kind that always pay.



No. 3. This is the way our seed grows and germinates. It is tested before sent out. No matter how expensive your land, how well it is worked, how much sunshine and rain, without high germinating seeds you are the loser financially. Cheap, stale, low germination seed is very expensive if you get it for nothing.



No. 4. No wonder he is pleased. He bought pure seed from Galloway Bros. Bowman Co. that was vigorous, hardy and full of life. He has an abundant crop. He started it right with the right kind of seed. Read our vow on page 3.

You can't afford to take a chance by buying poor, cheap seed which is the most important thing in putting in and harvesting a crop.

## United States Department of Agriculture Sounds Warning

Who do you buy your seeds from?  
Listen please!  
Have you gotten into the easy habit of just walking down to the store where they keep the "seeds in boxes" to make a selection of what you will be wanting for spring planting?  
Maybe you have thought that that was a real good way to get your seed—maybe you have thought that that was the most convenient way—maybe you have given the matter so little attention that you have not thought very much about it only you just got your seed and that was all.  
Listen again please!!  
You want the very best seed don't you?  
You want seeds of the very highest germination quality don't you?  
You want seed that you are confident will grow—fresh seeds true to the variety and the very best that can be had?  
Well now listen some more!!!

Would you like to know what the very highest authority we have here in United States has to say with regard to purchasing of seeds out of these boxes or sending away and getting them from the mail order house itself—read this and mind you this is just exactly what United States Department of Agriculture says about it: "The Germination of mail order seeds tested by the Department of Agriculture in the last five years has been 77.5% and the germination of the box seeds has been 60.5%. The seeds purchased from different mail order houses were more nearly uniform in quality than the box seeds. The average germination of box seeds put up by one firm for four years was less than one-half that of those put up by another firm."

Doesn't that kind of make you sit up and think a little?  
Is the best any too good for you?  
If not, why don't you get it then?  
Why don't you send to the Galloway Bros.-Bowman Co., and get the kind and quality that you are entitled to for your money?  
Listen once more again!  
Let us give you some more of what Uncle Sam says about buying seeds in packets or getting them directly from the mail order house—this is what he says:

"There is doubtless an economic reason for the higher average quality of the seeds sold by the mail order houses as compared with the seeds sent out by many of the houses selling box seeds.—Mail Order Houses are dependent for their trade on proportionately few new customers each year, their business being made largely on the satisfactory quality of their seeds which purchasers have used in the previous years."

Read that over again please!!  
Now, then when you just stop to think it over it certainly is just the easiest kind of a matter to look over the Galloway Bros.-Bowman catalog and select out the seeds that you are needing—you ought to do that anyhow wherever you bought your seeds—you must make a selection of what you want and here in our full and complete catalog you can find them all—a complete list assuring you the very highest quality at the most reasonable figure that you could afford to buy at because we sell nothing but the best.

After you have your order made out it certainly is but a small matter for you to pin your check to it, put it in an envelope, stamp the envelope and turn over to Uncle Sam who will carry it to Waterloo where the order will be filled the day that it arrives and then you can assure yourself that you are getting absolutely pure, genuine, unadulterated seeds—fresh seeds that grow.

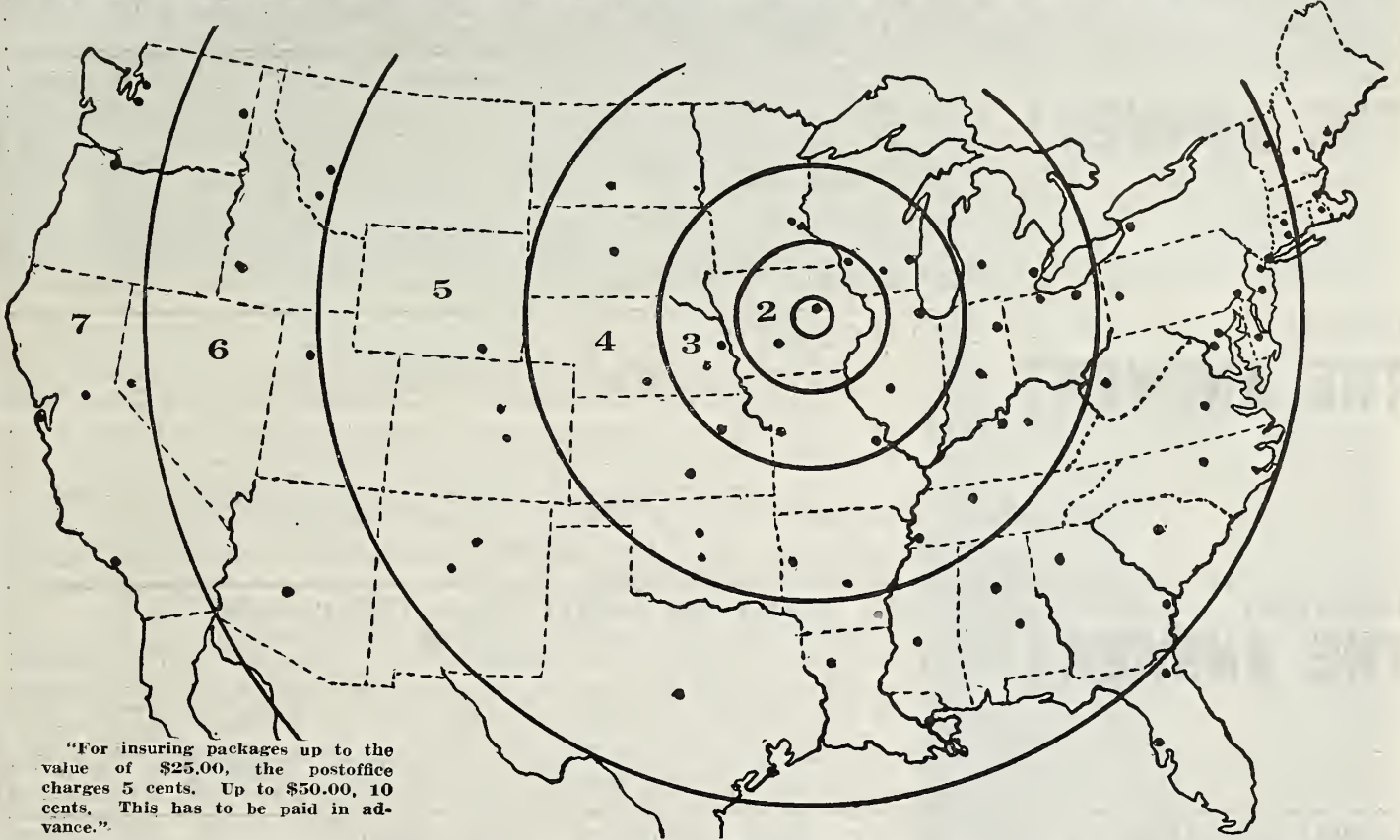
"Think of it, United States Department of Agriculture found 17% difference in the quality of the germination of seeds secured from mail order seed houses and those secured from the box seeds and don't forget that the mail order seeds were the best.

Do you want the best?  
Of course you do.  
Make yourself sure.  
Send at once to the Galloway Bros.-Bowman Co., of Waterloo, Iowa—we have but one kind, one quality, one grade—the best.

# EASY TO GET SEED BY MAIL

Now-a-days with the rural free mail delivery calling practically every day at your place, the Parcel Post and the fast mail trains regularly leaving Waterloo, brings our great stock of pure, genuine and un-

adulterated seeds practically at your door. It is only a matter of a short time from the day you fill in the order until you receive a parcel of our unexcelled Field, Farm Garden or Flower Seeds.



"For insuring packages up to the value of \$25.00, the postoffice charges 5 cents. Up to \$50.00, 10 cents. This has to be paid in advance."

**HOW TO ORDER.** The best time to order is just as soon as you get our catalog. We can always give early orders more of our personal attention. Use our order sheet. (Ask for more when you are out.) It will help us if you list your order in the same rotations as listed in our catalog. We acknowledge all orders soon as received and fill same day if possible.

**OUR TERMS** are cash with order. No C. O. D. shipments. It costs you extra that way. Send money by Money Order, Draft, Personal Check or Cash if registered. If silver is sent sew it in cloth or pasteboard. Do not put money loose in an envelope, it is not safe.

**NO PARCEL POST RATES ON SEED.** Seed or Nursery stock do not take parcel post rates, but go at 1c for each 2 ounces, equals 8c per lb.

**HOW WE SHIP.** If catalog reads "Postpaid," we will usually send that seed by mail. Heavy seed will be sent by freight or express at your expense. We will immediately mail you duplicate bill of lading showing date, number of bags sent and route. All plants and perishable goods are sent by express at your expense unless marked "Prepaid."

**SAFE ARRIVAL.** We guarantee all goods to arrive safely. We will refund for any loss providing you have agent make notation of such loss on expense bill and return it to us.

**ERRORS.** We are very careful in filling orders, yet in the press of business errors sometimes occur. In this case notify us at once and we will make it satisfactory. Keep a copy of your order.

**OUR GUARANTEE.** We guarantee all seed sent at catalog prices to be carefully selected and tested. We are always pleased to make good any mistakes, but all complaints must be made within 15 days from receipt of goods.

On account of weather, soil and other conditions we cannot guarantee a crop. Have the experiment station test any of our seed within 15 days and if not satisfactory we will take them back at once, paying freight both ways.

However, while we exercise the greatest care to have all our seeds and nursery stock pure and reliable, we do not give any warranty expressed or implied as to quality or productiveness of same. Goods not received under these conditions must be returned at once.

GALLOWAY BROTHERS-BOWMAN COMPANY.

Parcel Post rate on Merchandise and "NITRAGIN" also shows weight of various numbers of acre cans of "NITRAGIN." Seeds do not take Parcel Post rates but 1c for each 2 oz. After March 1st Books will take Parcel Post rates.

## ZONE

"NITRAGIN"	Mdse.	1 & 2	3	4	5	6	7	8
1 acre	1 lb.	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	\$0.11	\$0.12
2 acre	2 lbs.	.06	.08	.11	.14	.17	.21	.24
3 acre	3 lbs.	.07	.10	.15	.20	.25	.31	.36
4 acre	4 lbs.	.08	.12	.19	.26	.33	.41	.48
5 and 6 acre	5 lbs.	.09	.14	.23	.32	.41	.51	.60
6 acre	6 lbs.	.10	.16	.27	.38	.49	.61	.72
7 acre	7 lbs.	.11	.18	.31	.44	.57	.71	.84
8 and 10 acre	8 lbs.	.12	.20	.35	.50	.65	.81	.96
11 acre	9 lbs.	.13	.22	.39	.56	.73	.91	1.08
12 acre	10 lbs.	.14	.24	.43	.62	.81	1.01	1.20
13 acre	11 lbs.	.15	.26	.47	.68	.89	1.11	1.32
14 acre	12 lbs.	.16	.28	.51	.74	.97	1.21	1.44
15 and 16 acre	13 lbs.	.17	.30	.55	.80	1.05	1.31	1.56
17 acre	14 lbs.	.18	.32	.59	.86	1.13	1.41	1.68
18 and 19 acre	15 lbs.	.19	.34	.63	.92	1.21	1.51	1.80
20 acre	16 lbs.	.20	.36	.67	.98	1.29	1.61	1.92
21 and 22 acre	17 lbs.	.21	.38	.71	1.04	1.37	1.71	2.04
23 acre	18 lbs.	.22	.40	.75	1.10	1.45	1.81	2.16
24 acre	19 lbs.	.23	.42	.79	1.16	1.53	1.91	2.28
25 and 26 acre	20 lbs.	.24	.44	.83	1.22	1.61	2.01	2.40

# STOP! LOOK! READ!

Here Are the Questions You Want Answered About Calloway Bros. Bowman- Co's. Famous Genuine Regenerated Swedish Select Oats--Read what other people have done under conditions similar to yours. That's the answer. It always pays to put in good seed no matter what it costs if you can get more real money back in the way of increased yield than you otherwise could get without that particular kind of seed. Try 10 or 20 bushels of these famous seed oats. It pays.

**Question?** Will it pay me on my farm to put in some of this famous seed?

## THE ANSWER!

Monticello, Mo., 9-9-1912. I got 76 bu. to the acre, sowed the 15 bu. on 7 acres. Showed a peck at the Shelbuara Fair and won the Blue against 7 other counties. Mine were just from the machine while theirs were double cleaned and clipped. They were the sensation of the whole show. Will send a peck to the Missouri State Fair at Sedalia that has been cleaned. Respectfully, J. H. HANLY, Stockton, Iowa, 8-21-1912. I think your oats I got of you last spring were fine and turned out fine. It turned out about 80 bu. per acre and is very heavy. Am well satisfied, WM. BRODUS, R. No. 1.  
Roanoke, Illinois, Nov. 1, 1912. The regenerated Swedish select oats, I got from you last Spring, was good. I got 95 bushels from the acre. I am well pleased with it. MR. HARM HEINRICH, R. No. 3.  
Oakes, No. Dak., 9-2-1912. My Swedish select oats went 85 bu. at machine measure; weight, 48 lbs. to the bu. measure making a total of 125 bu. per acre at 32 lbs. to bu. This is the greatest yield that North Dakota ever has known. Yours very truly, H. CHRISTOFFERSON, R. No. 2.  
Birmingham, Iowa, 9-13-1912. 10 bu. sown on 2 1/2 acres. Yield, 154 bu. Neighbors laughed at first but not now since threshing. Mighty well pleased. Season was too dry or would have yielded more. JOHN JOHNSON.  
Dassel, Minn., Oct. 11, 1912. I will now take the opportunity and let you know the yield I got from the seed oats secured from you. They yielded 105 bushel to the acre. Am highly pleased. Very truly yours, J. E. ANDERS, R. No. 5.

**Question?** Does it increase the yield?

## THE ANSWER!

East St. Johnsbury, Vt., Aug. 27, 1912. I am much pleased with the seed oats that I bought last spring. They came up quicker than the other oats, grew rapidly, stood up well and ripened a week or ten days earlier than the common oats which were sowed at the same time. Am sure that they will yield better than any oats I have raised before. I can recommend your oats to anyone. Yours respectfully, E. H. CHASE.  
Mt. Morris, Pa., No date. The oats we got from you were just fine. They took first prize at the Mt. Morris Fair last year and they were very fine this year. G. T. HERRINGTON, R. No. 2.  
Russellville, Ind., 9-2-1912. They are the best oats that were ever grown in this country, yield 84 bushels to the acre. Yours truly, MANFORD CARRINGTON, R. No. 2.  
Minot, N. Dak., 8-26-1912. The oats made nice growth and stands about 4 1/2 feet high with plump kernels and I guess I will have good sale for it soon as I get it threshed. I took one bundle of it to the city and the farmers were surprised about its length and plumpness. I guess it will yield about 20 bu. to the acre more than other oats sown around here, so I think it was a good investment. Yours truly, VAC BARTA, R. No. 1.  
Battle Lake, Minn., June 1, 1911. The oats are certainly fine. Have sown them right beside the best native oat I could find here and they are three inches taller right now and were sown on the same day. They beat anything I have seen in the county. Crops here are all looking fine and prospects are good for a good crop. M. O. WEBBER, Lake View Farm.

**Question?** Does it grow and stand up better than other oats?

## THE ANSWER!

Gladwin, Mich., Aug. 23, 1912. The seed oats received. Were the best I ever sowed in my twenty years of farming. The straw stood the hail surprisingly in comparison with my other fields of oats. As to germination, do not think there was a seed missed. Yours respectively, DAVID H. CHESSER, R. No. 3.  
East Holden, Maine, 8-24-1912. I have only the greatest praise to give for your seed. I planted acres and they stood shoulder high and are headed out very well in spite of the cold, wet spring. Water stood on the field in places a day or two at a time. I have had estimates ranging from 50 to 70 bu. to the acre. There are no other such oats in this community. My experience with your seed has caused quite a deal of interest. Yours truly, G. T. HOLBROOK.  
Chippewa Lake, Mich., 8-24-1912. I just finished cutting the oats. They are the best piece of oats in this part of Mecosta County. They were sown along the road and every one that saw them remarked that they were the best they had seen. They all stood up fine. Most of the oats through this part of the county were down bad. Am well pleased with the result. Yours very truly, C. S. COOKINGHAM.  
Ellisville, Ill., 8-30-1912. They produced strong plants which grew from four to five feet high with a stiff straw which I think will be good for rich land. I received a yield of 75 bushels per acre from same. Yours truly, WILBUR DICKSON.

**Question?** Does it pay better than ordinary cheap seed?

## THE ANSWER!

Fairfield, Iowa, 8-22-1912. The oat crop, we received the seed oats in that extremely wet weather on the 1st of May. We got them sowed on May 4, in the mud and then it turned off dry which hurt them badly, but after the rains came they came out and I was much surprised at the outcome. We will get almost a hundred bushel. Respectfully, H. S. BROWN, R. No. 2.  
McDonald, Kans., R. No. 2, May 15, 1912. I have received the oats all right. Now, gentlemen. I have handed oats since 8 years of age, am now 63 and I must say that they are the heaviest oats I ever handled. W. M. SHAVER.  
Clinton, N. Y., Aug. 19, 1912. Galloway, you are right! Last spring I bought some seed oats of you. Have just threshed them and have a yield of about 80 bu. per acre, while other oats in this section range from 5 to 30 bushels.  
There was only two very light showers from May 30 to July 15, the driest growing season we have had in years.  
The man that threshed them said, "They are the best I ever saw. I want 10 bu. for seed." I want to thank you for your advice and if I had bought 40 bu. I would have had three times as much grain as I now have. A. J. BASHER.  
Newburg, Iowa, 8-16-1912. I have just finished threshing 14 acres of your Swedish Regenerated Oats, which made 85 1/2 bushels to the acre, wagon box measure. As the berries are fine and heavy I feel sure it would weigh out a great deal more than this. Last year I purchased enough of your seed for a 4-acre seed patch and I am amply repaid for the investment. Yours very truly, A. K. MURPHY.  
Get your order in early. We ran out of this famous seed oats again last spring.



Here's a picture of a pioneer farmer in Wisconsin, Mr. H. G. Matthews of Brandon. He raised 92 bushels of our Regenerated Swedish Select Oats per acre on his farm.



Sept. 1st, 1911.

**JOHN HENDERSON, Cokato, Minn.**—I am sending you by today's mail, a photograph of my oat field at harvest time. This field was seeded with your Regenerated Swedish Select Oats. These oats stand from four to four and one-half feet high in spite of the dry season and scorching heat, I threshed a small sample for our State Fair, and they tested 40 pounds to the bushel just as they came from the machine.

**ILLINOIS.**

Willehelm Knauer, Mt. Carroll, Ill. Well pleased with oats we got from you. Received 87 bu. to acre, weighed 42 lbs. to bu. It pays to buy good seed oats at \$2.00 a bu.

J. L. Slick, Lanark, Ill., 1911. 15 acres averaged 80 bu. to acre of nice, healthy, plump oats, weighed 35 lbs. to bu. some of my near neighbors sowed inferior seed and reaped 15 to 18 bu. per acre.

Willard Pigg, Woodstock, Ill. Made around 70 bu. per acre, 40 lbs. to bu. Will never regret \$2.00 a bushel paid for seed.

**NEW MEXICO.**

J. B. Vogeding, French, New Mexico. They are very good oats. Yielded more than any variety in this vicinity.

**NEW YORK.**

J. B. Pipe, Plattsburgh, New York. Oats did splendid. Went 80 bu. to acre. Went twice what my Twentieth Century oats did side by side with exactly the same chance. I think they are the best I have found.

Dewith Traver, Spencer, New York. Bought ten bushels of your Regenerated Swedish Select oats, sowed them on 1 1/4 acres. Harvested 215 bu. Sorry I did not get more. Cheap at twice the price I paid—\$2.00 bu.

**COLORADO.**

J. T. Selby, Rifle, Colo. Threshed over 102 bu. per acre, machine measure, weighed 40 lbs. to bu.

Oscar Cling, Alamosa, Colo. Sowed 2.8 acres, threshed 397 1/2 bu. or 141 1/2 bu. per acre. Land measured by neighbors. Can furnish affidavit from these parties upon request.

**INDIANA.**

J. O. Kunkle, Poneta, Ind. They stood up well and made 70 bu. to acre, while the rest of the oats went 30 to 35 bu.

**OHIO.**

C. J. Oyster, Alliance, Ohio. Had 82 bu. to acre. Would have gone 100 had not hail thrashed it out.

A. E. Boughton, Everitt, Ohio. Yielded 70 1/4 bu. per acre. Stood up better than other kind sown next to them.

**PENNSYLVANIA.**

John H. Soxman, New Bethlehem, Penna. Sowed 10 bushels on 2 1/2 acres and got 178 bu.; an average of 71 bu. per acre. Common oats yielded 40. Ripened sooner than common oats. By far the best crop I ever raised. Glad I purchased these oats from you, as it gives me new ideas of oats growing.

D. W. Proctor, Union City, Penna. Oats yielded 68 bu. per acre, threshers measure, or 89 per acre by weight.

**WASHINGTON.**

J. E. Nymeyer, Oak Harbor, Wash. Yielded 95 bu. to acre; very nice; kernels large.

**VERMONT.**

R. A. Whittier, Hancock, Vermont. I think they are the best oats in the state. Am keeping them for seed. Have most of them sold at \$1.50 a bushel.

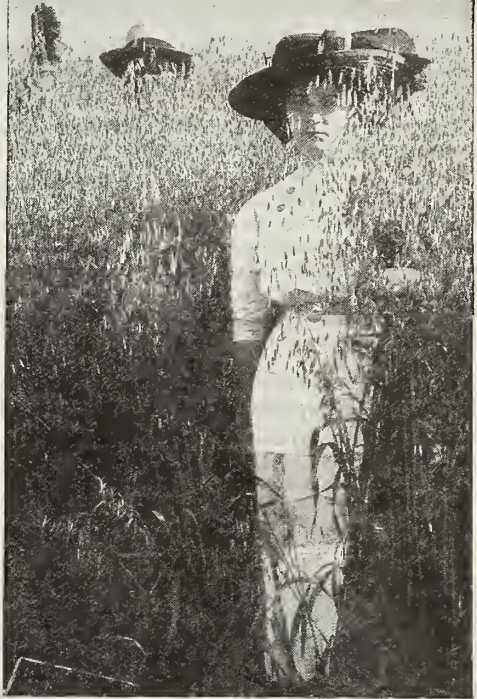
Fred E. Raine, Vergennes, Vermont. 50 bu. per acre; common run of seed 30 bu. to acre.

**OREGON.**

A. L. Fugit, North Powder, Oregon. Oats grew 4 1/2 ft. tall; made 100 bu. per acre.

**MONTANA.**

A. M. Austin, Columbia Falls, Mont. They threshed out by weight 12,080 pounds, 107 5/7 bu. per acre.

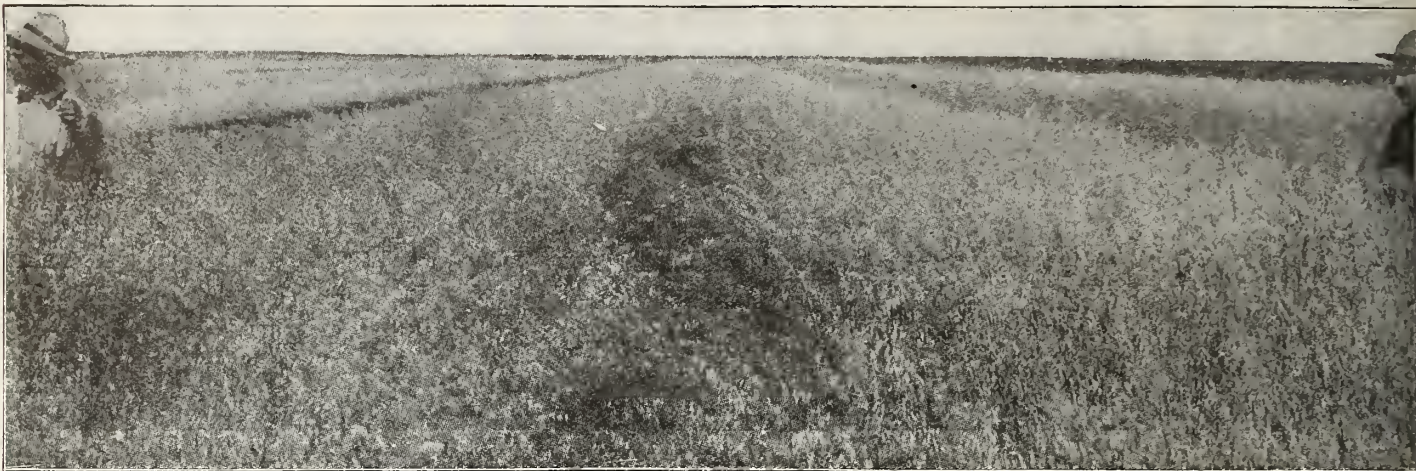


**OSCAR CLING, Alamosa, Colo.,** threshed 141 1/2 bu. per acre. We can furnish affidavit from him if desired.



**LISTEN**

After all is said and done what you want to know is, Do they pay? How do they yield in this country? It's easy to make claims on paper, but photographs and extracts from actual letters tell the truth. Nobody can get away from positive facts.



## The Pure Quill

This is a scene from our large 1920 acre oats farm in Canada, where we make a specialty of breeding and growing pure seed oats, and we only offer the very best known varieties that have been tested and tried.

We offer you no fads or experiments.

Just take a look at this picture and notice how pure the oats are. They are grown on new clean land, free from weeds. Oats are just like anything else. Like produces like. You can't any more expect to get a good crop from poor, inferior seed than you can expect to get good corn from nubbins, get good calves from an inferior bull, or good pigs from an inferior boar. Breeding is what counts.

These seed plots are under the personal supervision of J. W. Galloway and Prof. M. L. Bowman. They watch them during the entire growing season. On our farm we have from 50 to 60 different plots, where we get an opportunity to find out just what the oats will do and which kind is the best.

### Galloway Bros. Pure, Genuine, Canadian Grown Imported Regenerated Swedish Select—the greatest oats on earth for all around purposes.

Get the only genuine from the largest seed oats farm in the Dominion of Canada, where we make a specialty of pure seed oats.

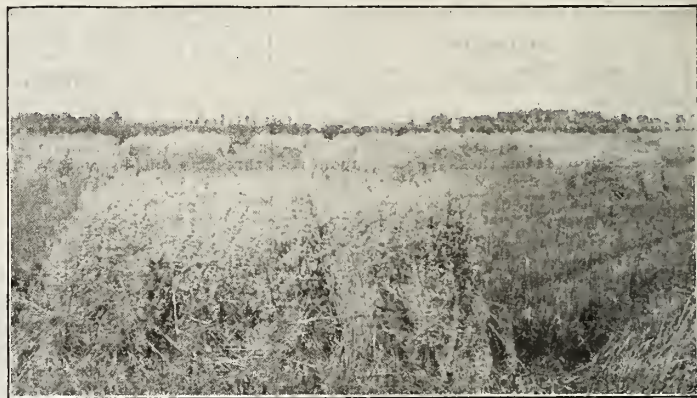
Space will not begin to permit us to tell you what we would like to tell you about this wonderful Regenerated Swedish Select oats. Don't confuse our Genuine Regenerated Swedish Select oats with ordinary

Swedish Select oats, Wisconsin No. 4, American grown Swedish Select and many others that have sprung up here and there on account of the tremendous demand we have created for the real article.

The Regenerated Swedish Select oats have been made what they are by very careful breeding, then give them a chance to develop to their highest point of development on carefully prepared seed beds in the most natural and ideal oats climate in the world.

#### JUST READ THIS LETTER FROM MR. MCKELVIE, OF NEBRASKA.

It tells the tale, and the difference between our seed and other seed. Figure it out for yourself whether it paid Mr. O. McKelvie or not. Here is a small picture of his field that he raised in 1910, and below is what he says:



**Look Here!** Three kernels in a pod from an actual photograph. This photograph shows just how these regenerated Swedish select oats develop on our Canadian farm. Many farmers have gotten these same wonderful results in the States. Some in Iowa, but of course you should bear in mind that if you should strike unfavorable climatic conditions, we cannot guarantee three kernels in a pod. In some cases where weather conditions were not exactly right in our experience, by carefully examining the grain, in some cases we noticed that the three kernels were formed but only two of them reached the full development. One of these cases was in Colorado in a season when it was very dry. These oats originally are bred to produce three kernels in a pod and will do it when conditions are right in every way, but we do not guarantee it, neither can any other body guarantee it in unfavorable conditions. However, these are the oats to start your seed patch with. This we know from experience. They came from Canada, the natural home of oat and from where they reach their highest point of development. Start your seed patch with this oat. We also know from experience of where these gave from 50 to 100 per cent better yield than the average run-out inferior oats.

"For some years past we have not been satisfied with our oats, so last spring we made an effort to secure some better seed. We sent to Galloway Bros. and got samples and prices of their Swedish Regenerated. We secured 46 bu. This seed cost us \$2.00 a bu. We thought the price a little high, but hoped for a good return. The 45 bu. of seed returned 1,202 bu. of high grade oats from 12 acres, one two-acre piece making 106 bu. to the acre.

We have decided it a splendid investment. These oats never received any more attention than our other oats. We found many peculiarities about these oats that are very much in their favor. First, you can sow early as they will stand much colder weather than other varieties, the straw is not only a stiff straw but is a straw that carries a great deal of foliage, making a splendid feed. If these oats continue to make good and show a yield of from 50 to 75 bu. we will raise them in preference to any other we have tried, which has been about six different varieties. Wish we had as good a seed oats booster as yourself in our state, and we would increase the yield 50%.

O. McKelvie, Fairfield, Nebr."

# Wonderful is the Word True Pictures Speak Louder Than Words



We picture here from an actual photograph the field of J. W. Beckman, Cokato, Minn. This picture tells the true story about what our seeds oats have done for our customers all over the country. We can show you hundreds of pictures just as good as this if space would permit.

Mr. Beckman said that they had great success with the Regenerated Swedish Select oats and that it was a dry season. He said, "It pays to raise pure seed grain and corn as well as live stock."

He is right.  
There is everything in good seed.

Our pure imported seed oats at the price we ask are cheaper than ordinary oats that are half hulls and have weaklings, if you got them for nothing at all, and was paid \$1.00 or \$2.00 a bushel in cash besides, when you come to figure net results at harvest time, and that's the only thing that counts.

These are facts.  
What difference does it make to you if the seed does cost a little more if at threshing time you get two or three times as much as your old run out seed would bring?  
That's why we ask you this question:

## What Kind of Oats are You Going to Put In for 1914?

Are you going to take the chance of getting a poor crop by putting in inferior seed or, are you going to try ten or twenty bushels of our Canadian Regenerated Swedish Select oats that are fresh, hardy, and full of life—oats that come from the natural home of the oats and have reached their highest point of development—the only logical oats to start a seed patch with—the same as these other people used—the proof of which you can see with your own eyes in these pictures?

Please remember that our illustrations are not faked pen drawings, but from actual photographs, and that we do not make any exaggerations whatever.

These extracts from letters are the truth and as we received them from our customers.

Just look over these pictures again and stop and figure out that it cost this man no more to run a seeder over the ground, then later on go over it with the binder, than to have gone through these same operations, put in inferior seed and reaped an inferior crop.

You take a far bigger chance to put in poor seed, get nothing for your hard work, interest on the investment, labor, etc., than you do to buy good seed, even at a good seed price.

Many seed men offer American Grown Regenerated Swed-

ish Select oats and at a lower price, owing to the fact that we have created a big demand in the United States for this seed, but we believe our oats are the cheapest, when you consider the net results at the threshing machine, and after all is said and done that's all you care about.

The question with you is after you have gone all through the motions at the end of the year, which has brought the biggest net returns?

**WE ARE PUTTING UP A FIGHTING CAMPAIGN FOR MORE AND BETTER OATS.**

Why not join us?

Why not resolve to start a seed patch this year on your farm. What we mean by this is simply put in ten or twenty bushels in a field for the exclusive purpose of raising seed for the following year and continue each year with the same operation. If you do this you will be surprised at the results and the increased crop.

Look at the price of oats.

Year in and year out oats if you raise the right kind is the most profitable crop on the farm, because they are easy to grow and generally sure. It is easy to raise from 60 to 100 bu. of oats in many localities where they thought they could not raise oats at all.

## Here Are a Few Things to Think About

Which is the cheapest,—oats that cost from 40 to 90 cents per bushel, that germinate 50%, 60% or even 80%, one-half or one-third of which is hulls and chaff, OR seed that germinates nearly 100% at \$2.00 a bushel, every kernel doing business, making a stand, shading the ground with good stiff straw, and leaves that kill the weeds and at harvest time yields you a big crop?

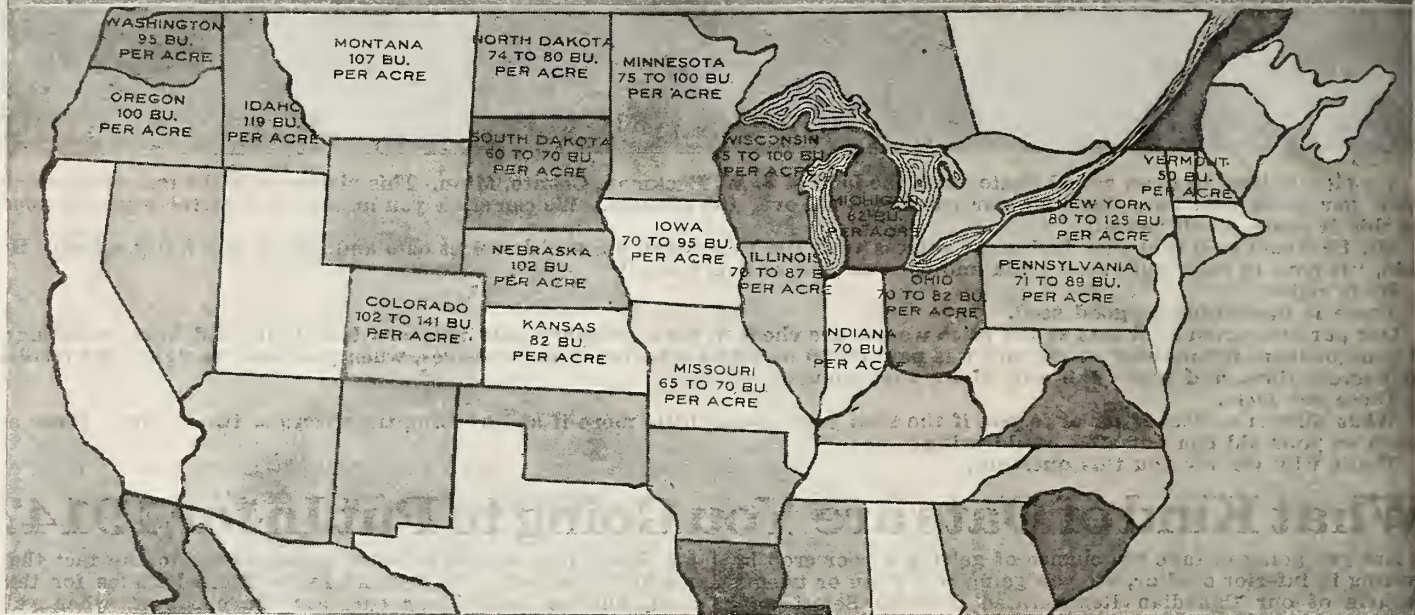
Farmers declare under oath that oats from our seed compared with other seed in the same field, show a marked

difference. There must be a reason. There is.

Your oats are run out.

Why not just try ten or twenty bushels of our seed this year, and put them in according to Prof. Bowman's directions in our oats booklet, which goes out with every order? Farmers write us who bought last year that they now thank us for urging them to buy. We don't want to unduly urge you but these are facts. Just judge for yourself.

# Pure Seed Oats - Our Great Specialty



## This Picture Tells The Story About Galloway Bros.' Oats

Read every one of the letters on this and the following page. They tell of the wonderful results obtained in the different states where Galloway Bros.' seed oats have been used. Here is positive proof that it pays to buy our seed oats—It means big extra profits for you every time. The above picture is from actual photo of harvest time in one of our big Canadian Fields.

### IOWA.

J. W. Hill, Pres. Des Moines Nursery Co., Des Moines, Iowa. Regenerated Swedish Select oats purchased from you were sown on our nursery grounds, we harvested a little over 80 bu. per acre. Said to be the best oats by far in this section of the country and so pronounced by threshers and others who examined them.

C. E. Gardner, Osage, Iowa. Galloway Regenerated Swedish oats went 70 to 95 bu. per acre, on 40 acre tract. Adjoining fields planted with common seed produced 20 to 35 per acre. We think the price reasonable and our investment very satisfactory indeed.

John F. Otto, Dows, Iowa. Stood up fine, turned out 90 bushels to acre, weighed 41 lbs. to measured bushel.

Arthur Reimer, Danbury, Iowa. Yielded about 70 bu. per acre, weighed 42 lbs. to bu. Stood up well, about 5 ft. high. Nicest oats I ever saw.

### NEBRASKA.

O. McKelvie, Fairfield, Nebr. 45 bu. of seed returned 1,202 bu. from 12 acres, one two-acre piece making 102 bu. to acre.

R. E. Leech, Beaver City, Nebr. It was real late when I got the oats. Made 70 bu. to acre. I think they are all right for this country.

### MINNESOTA.

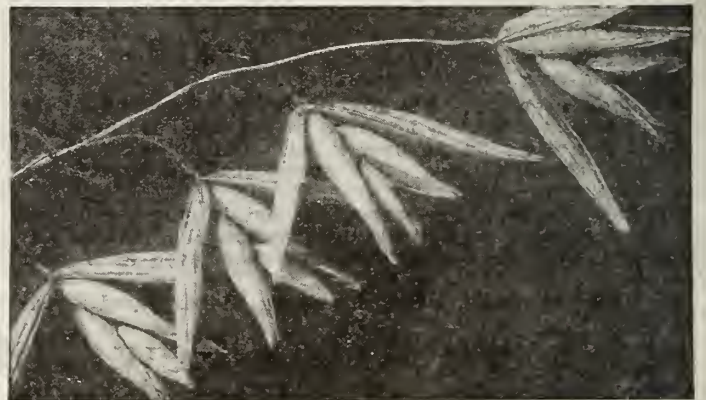
Guy Marsden, Truman, Minn. Oats went 80 bu. per acre. They are much better quality than old seed. Could sell all for seed if I wished.

A. T. Chilstron, Litchfield, Minn. Oats turned out good according to conditions. A couple of weeks before harvest we got a storm. Anyway they ran about 100 bu. to the acre. Threshers said they were the finest oats they had seen.

H. P. Rund, Bronson, Minn. The oats were dandy. Yield was 95 1/2 bu. to acre, of 40 lbs. Other oats of common variety go 40 bu. See the difference.

### KANSAS.

W. E. Geren, Bancroft, Kansas. I bought 10 bu. of your Swedish Select oats and it made 82 bu. to acre.



**Look Here!** Three kernels in a pod from an actual photograph. This photograph shows just how these regenerated Swedish select oats develop on our Canadian farm. Many farmers have gotten these same wonderful results in the States. Some in Iowa, but of course you should bear in mind that if you should strike unfavorable climatic conditions, we cannot guarantee three kernels in a pod. However, these are the oats to start your seed patch with. This we know from experience. They came from Canada, the natural home of oat and from where they reach their highest point of development. Start your seed patch with this oat. We also know from experience of where these gave from 50 to 100 per cent better yield than the average run-out inferior oats.



**THE OAT THAT  
OUTYIELDS  
ALL  
OTHERS**

# OATS

**OUR CANADIAN  
GROWN  
REGENERATED  
SWEDISH SELECT**



Look at these. See the three kernels to the pod. Big, plump oats; heavy like wheat. Stiff straw, large white berry, thin husk, enormous yielders.



The above is a true picture from a photograph of one of Galloway Bros. big Canadian fields (J. W. Galloway and his little boy on this side). You can't see the buggy, nor even the wheels. Note how straight they stand up (the result of oats bred with a stiff straw).

## Our Famous Pure Genuine Canadian Grown Regenerated Swedish Select

The greatest all around, all purpose and most vigorous oats ever produced. By all means try 10 to 20 bushels and start a seed patch this year. Truly the greatest on earth.

**GET THE GENUINE** from the largest seed oats farm in the entire Dominion of Canada, where we make a specialty of pure seed oats. We know what we are giving you and when you buy from us you know what you are getting. These oats are grown under our own personal supervision.

Don't buy American grown Swedish Select if you want the best results. Why not get the benefits of all the big yields yourself? Seed oats should be changed in this country at least every three or four years. What's the use of buying American grown after some other fellow has got all the benefits of the big yield?

We can sell you American grown just as cheap as anybody if you want that. Some seed men say to buy American grown because it is acclimated. There is nothing to this. Experience has shown—the experience of our customers and ourselves—that the fresher you can get the seed from Canada the bigger the yield, and it will pay for the extra price.

Space will not begin to permit us to tell you here what we would like to tell you about this wonderful Regenerated Swedish Select oats, and what it has done for hundreds of customers in almost every state in the Union, many of whom thought they could not raise good oats at all because their ground was too rich, etc. You can raise good oats if you put them in right with the right kind of seed, and year in and year out, there is no crop that is more sure or a bigger payer.

Follow the directions by Prof. M. L. Bowman, in our booklet, which we will send out with every order, that tells you how to increase the quality and quantity of the oats crop, and try ten or twenty bushels of this seed, and with normal climatic conditions you can increase your oats crop.

**CAUTION**—Don't confuse our genuine Regenerated Swedish Select oats with ordinary Swedish Select, American grown Swedish Select, Wisconsin No. 4, and many others that have sprung up here and there on account of the tremendous demand we have created for the real article. Some seed men offer oats that in name sounds like ours, which they buy here and there, wherever they can, and they, themselves, never even see the ground on which the seed is raised, and have to take the word of the men who ship it as to the genuineness and purity.

Can you afford to take a chance of this kind on seed any more than you can take a chance on the genuineness of the pedigree of a boar or bull on which you are not just sure?

**DESCRIPTION**—Our Genuine Regenerated Swedish Select oats is a heavy yielder, very early, heavy stiff straw, broad leaves, heavy grower, large white berry, thin husk—many stalks on our farm yielded as high as 200 kernels to the stalk. It is a tremendous yielder—always tops the market. On account of its stiff straw it does not easily lodge but stands up better than other oats—a decided advantage, especially in the Corn Belt where the land is rich.

Our advice to every farmer is to try ten or twenty bushels or even more of this seed. Many farmers who bought this seed claim if they had put their entire fields in with this seed at our price they would have been money ahead when you figure the net results at threshing time, and this is the only thing that counts. Imported Stock.

## Prices

Cat. No. 108-B— 2 Bushel, 32 lbs. to bushel, per bu.. \$1.95
Cat. No. 107-B— 6 Bushel, 32 lbs. to bushel, per bu.. 1.85
Cat. No. 106-B—10 Bushel, 32 lbs. to bushel, per bu.. 1.80
Cat. No. 105-B—20 Bushel (or more) 32 lbs. to bu... 1.65

Just try 10 or 20 bushels of this Famous Pure Bred Imported Seed Oats. They pay others and will pay you. The duty is slightly reduced; you get the benefit.

# WHEAT

## NEW MARQUIS

**Extra Early    Extra Heavy Yielder    Extra Hard    (Grown on Our Canadian Farms)**

We are pleased to be able to offer to our farmer friends an exceptionally fine grade of this great spring wheat. The stock we offer was grown on our own farm, at Lajord, Saskatchewan, Canada, and produced for us 47 bushels per acre. The grain we are offering has been specially graded for seed on our own up-to-date machinery. It is exceptionally uniform hard and plump and we feel every confidence in predicting that our customers will be quite as successful with this grain as we were on our Canadian farm.

As every farmer knows the Canadians are cranks on wheat, and when we say that they swear by the Marquis as the best ever, it should be a sufficient recommendation to American wheat growers to induce them to try a few acres at least.

Don't delay your order too long as our stock is limited and we shall only be able to fill orders so long as our present stock lasts.

So much has been said and written in favor of this grand wheat, that we do not think it is necessary for us to say much more here, except to draw a customer's attention to one or two advantages the Marquis has, over other kinds of spring wheat.

It is absolutely the earliest and hardest wheat grown and is ten to fifteen days earlier than Red Fife. It grades No. 1 hard for milling purposes and considerably outyields Red Fife. The heads are heavier and the stalks are shorter, making it less liable to lodge. The grain is plump and fleshy and has a deeper color than Red Fife.

At the price we are offering this great wheat, we should experience no difficulty in disposing of the few thousand bushels we have to offer. Don't disappoint yourself; get your order in early for a few bushels.

Price per bu. (60 lbs.), \$2.25; 10 bu. lots, \$2.15 per bu.; 20 bu. lots, \$2.00 per bu. Bags free.

### Genuine Saskatchewan Canadian Imported Red Fife Spring Wheat

(Galloway Bros. Imported Special Select)

If you would like to get some of the pure quill Saskatchewan RED FIFE spring wheat, here is your chance. We import this direct from Canada. This is the wheat that has made Saskatchewan famous as a wheat country yielding from 30 to 60 bushels per acre, and has produced in the United States all the way from 30 to 50 bushels per acre.

We can offer you only a limited amount of this wheat this year, but we advise every wheat grower who gets this catalog to try at least a few bushels. Get enough for a seed patch so you will have a good start for the following year. Owing to the freight and duty this wheat naturally comes higher in price than United States grown wheat, but we believe it is well worth the money when you consider that you are getting the very hardest and choicest of all Canadian wheats.

Description: Heavy yielder, big, plump, hard berries, long bearded head and very stiff straw, high germination.

#### PRICES

Cat No. 113B—½ bushel, 30 lbs. .... \$1.00  
 Cat. No. 114B—1 bushel, 60 lbs. .... 1.75  
 10-bushel lots ..... 1.50

### Minnesota No. 169 Blue Stem Wheat

Another variety also originated at the Experiment Station. It is a progeny of Haynes' Blue Stem. All extensive growers of Spring Wheat are well acquainted with this exceptional yielding variety which is so rapidly gaining favor because of its heavy producing properties. The milling test is of the very highest. We have secured some of the choicest stocks of this wheat for our customers. Remember it is bound to be of good quality because we handle nothing that is in any way inferior.

Cat. No. 115B—Price per bushel (60 lbs.) \$1.50  
 10 bushels and over, per bushel ..... 1.40

### Winter Wheat (Turkey Red) (The Best Winter Wheat)

If you are interested in winter wheat for next fall sowing, drop us a line and we will be pleased to make you a special quotation at that time. We handle a very superior grade of this grain and our customers have always been well pleased with their crops. Our next fall's supply will be grown from pedigree seed by a wheat grower of the highest repute and our customers can rely upon getting grain true to name, even and of good color. Ask for prices in July.



### Barley

#### Pedigreed Manshury An Abundant Yielder

The demand for our Manshury barley was so great last year that we experienced difficulty in filling our orders. This year, however, we have anticipated a still greater demand and have stocked up accordingly.

We say without the slightest hesitation that we hold a stock of this fine barley which cannot be excelled. The kernels are plump, hard and a nice bright color and of strong germinating vitality. Just the kind of grain to produce bumper crops.

It is without doubt the best barley, either for feeding or malting. It is early and very vigorous in growth. The straw is strong and stiff. Seldom does a field of this grain lodge. The heads are long and well filled. If you are looking for a really good barley to replace some old run-out variety, we would strongly urge upon you to try a few bushels of our Manshury. We know you will be delighted with the crop.

The grain we offer produced fifty-four bushels to the acre of good plump, hard, clean grain.

Cat. No. 118B—Price per bu. (48 lbs.), \$1.60;  
 10 bu. lots, \$1.50 per bu.

#### Oderbrucker Or Wisconsin No. 55

This is another heavy yielding barley of the Manshury type, much in demand, because of its superiority over other varieties for malting.

In the great brewing State of Wisconsin it is grown almost exclusively. It is claimed that it will produce from five to ten more bushels of grain per acre than Manshury.

Oderbrucker is a stiff strawed, heavy yielding, six rowed bearded variety. It is about the same in time of maturity as Manshury. Its general appearance and manner of growth also being the same in stiffness of straw and rust resistance. It is far superior in protein contents making it specially suitable for feeding. This is an important consideration with farmers and stockmen who are appreciating more and more the value of barley as a feed for all kinds of stock, horses and cattle.

We hold an exceptionally fine stock of this barley, which we can offer at the special low price mentioned, so long as our present stock lasts. Our stock, however, is limited and we would advise our customers to get their orders in early and so avoid disappointment.

Cat. No. 117B—Price per bu. (48 lbs.), \$1.60; 10 bu. lots, \$1.50 per bu.



Pure Genuine and Unadulterated Seeds that Grow



# The GRASSES



Bromus Inermus

## Bromus Inermus

(Awnless Brome Grass)

The great drought resisting perennial grass, will grow anywhere

Yields abundant crops of hay and affords early pasturage. It is a very prolific grower and is especially desirable for permanent pasture and hay ground. Its drought and frost resisting qualities are quite remarkable. It starts early in the Spring and affords an abundance of nutritious feed much earlier than the ordinary native prairie grass. It is considered about equally nutritious with timothy. It will grow under conditions that are very dry and will stand to a remarkable extent, being covered with water in the early Spring.

The Spring is one of the best times for sowing, however, it can be sown at most any time of the year. A nurse crop can be used, but if so it should be used sparingly.

Brome grass is inclined to start slowly so that the farmer should not be too hasty in concluding that he has failed to get a stand.

This grass has many desirable qualities.

Cat. No. 135B—Price, 1 lb., 35c (Postpaid); by Freight, 10 lbs., \$2.00; 1 bu., \$2.55.

## Meadow Fescue or English Blue Grass

Especially suited for permanent pasture and is also fine for hay. Grows two to three feet high, but not in tufts like Orchard Grass. The hay is very nutritious and cattle thrive on it whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. As a fertilizer it has valuable properties. It will stand freezing very effectually and its use is becoming more widespread each year. About 24 lbs. of seed are sown to the acre.

Cat. No. 135C—Price, per lb., 35c (Postpaid); by Freight or Express, 10 lbs., \$1.75; 1 bu., \$2.30.

## Red Top Grass (Solid Seed)

GALLOWAY-BOWMAN'S FANCY RE-CLEANED (14 LBS. TO BU.)

We stock only one grade of Red Top, positively the highest. We do not stock the unhulled or chaff grade which is always so unsatisfactory. Our high grade seed will produce a dense growth of velvety turf. Very valuable as a permanent pasture grass. It withstands the cold of the Northern States and can be depended upon to flourish almost anywhere. Specially suitable for growing on damp lands. Only ten pounds needed to sow an acre.

Cat. No. 129B—1 lb., 50c (Postpaid); 10 lb., \$3.75; 1 bu., \$4.85.

## Timothy

GALLOWAY-BOWMAN'S PURE TESTED TIMOTHY

Timothy is too well known to require any elaborate description, only let us remind you that there are very many inferior dirty grades of this very useful grass on the market, some of which if sown would soon destroy your land, for it would speedily become a weed patch.

We offer only the purest seed procurable and of the highest standard of growth. Our stock is limited and we strongly urge upon our customers to let us know their requirements as early as possible.

Cat. No. 130B—1 lb., 20c (Postpaid); by Freight, 10 lbs., 90c; 1 bu., \$3.50.

## Kentucky Blue Grass

GALLOWAY-BOWMAN'S SELECTED

Our stock of Kentucky Blue Grass is unequalled for purity and productiveness. Its germinating power is the highest possible and it is absolutely free from all obnoxious weeds. Kentucky Blue Grass should not be covered. It germinates much better if merely rolled after sowing. Sow about 3 bushels to the acre.

Cat. No. 131B—1 lb., 30c (Postpaid); by Freight, 10 lbs., \$1.75; 1 bu., \$2.25.

## Orchard Grass

GALLOWAY-BOWMAN'S SURE-CROP ORCHARD GRASS

This is a very early grass and particularly adapted to shady places. It is a valuable grass for both pasture and hay land because of its most favorable growing qualities. Generally more than one crop can be obtained for hay purposes in a single season, after which there is a heavy growth of after-math which gives an abundance of rich pasture until late in the Fall. It grows in tufts; stands drought well and is very hardy. This grass is used to a very large extent for groves and orchards and all shady places. This is a grass that has not been fully appreciated, but is rapidly gaining the recognition that it deserves. Sow 22 lbs. to the acre when alone, or proportionately with other grasses.

Cat. No. 132B—1 lb., 35c (Postpaid); by Freight, 10 lbs., \$2.00; 1 bu., \$2.65.

## Rye Grass

ENGLISH OR PERENNIAL RYE GRASS (GALLOWAY-BOWMAN'S SELECTED)

This is the regular perennial variety which so many people really want when they order rye grass, but not knowing the difference, order the Italian Rye Grass instead. We are handling but one variety—the kind that most everybody wants. You will make no mistake by ordering from us if you want the real Perennial Rye Grass, which is so valuable as a pasture grass, producing as it does an abundance of foliage which will remain bright and green throughout the season. The hay is much relished by all kinds of stock. This is the real Perennial Rye Grass which is such a favorite (when the right one is secured) for lawn purposes, furnishing a green lawn which continues to come on until finally the blue grass takes possession.

Cat. No. 128B—1 lb., 25c (Postpaid); 10 lbs., 90c; 1 bu., \$1.80.



Red Top

All Prices quoted on this page are subject to change



Galloway Bros.-Bowman Co. Waterloo, Iowa, U.S.A.



# I Will Pay <sup>As</sup> High As \$5 Each for Photos <sup>Of Gardens and Field Plantings</sup>

grown from "Galloway Hi-Quality" seeds, plants, shrubs and trees. There are thousands of splendid gardens grown every year from "Galloway Hi-Quality" garden seeds. Thousands of fine fields of grain, hundreds of young orchards, and thousands of homes are beautified and made profitable with our seeds, plants, shrubs and trees.

I want as many good photographs as I can get of plantings of all kinds made from "Galloway Hi-Quality" seed and will buy all that are suitable for reproduction. I can afford to pay \$5 for a really fine one, so let's see what you have. Get some one to make a good clear picture of your garden, field, orchard or home grounds if they are planted with our flowers, trees and shrubs or seeds. Send it in and I will either promptly pay what it is worth, or return same if it cannot be used. No matter what it is that you have bought of us, get it photographed. An extra fine tree, shrub, bed of flowers or vegetables, or field of grain—we can use and will pay liberally for good pictures. **DON'T FORGET, PLEASE. SEND IN THE PICTURES.** Any time after garden is started and pictures taken.

WM. GALLOWAY.

## YOU SURELY WANT ONE OF Galloway's \$ Cash Money \$ Crop Books

Every Book A Mine of Big-Crop, Soil-Improvement Information Boiled Down, Meaty, Positively Practical Farming Facts

**HOW TO GROW**

# ALFALFA

**The Wonder Crop**

How to Get a Sure "Catch"  
How to Select the Field  
How to Prepare the Ground  
How to Inoculate Alfalfa  
How to Seed Alfalfa  
How to Protect Growing Crops  
How to Cut and Cure the Hay  
ALL THIS AND MORE

**ALFALFA**—"How to Grow Alfalfa the Wonder Crop" Now 10c

This book shows some astounding facts and figures regarding Alfalfa—it tells how it can be grown on practically every farm in the United States—it treats briefly and concisely of drainage—Testing soil for acidity—Liming—Preparation of the seed bed—Time of seeding—Amount of seed to sow—Method of seeding—Use as cover crops—How to inoculate—Care of growing crops—Harvesting Alfalfa for seed—Things to do and things not to do—How to avoid Alfalfa failures. 66 pages.

**CLOVERS**—"Clover The Great \$ Cash Money \$ Crop" Now 10c

Sixteen varieties are treated fully—Kind of soil required for clover—Treatment of growing crops—Harvesting for hay—Care of hay—Rotation—Bloat—Clover troubles and how to avoid them—Value of inoculation—Preventing loss from (1) Heat and drought, (2) Winter killing, (3) Ground-heaving—"Clover sickness"—The book is fully illustrated and contains facts and figures galore—Many valuable suggestions for every practical farmer. 100 pages.

**SOY BEANS and COWPEAS**—"The Twin Soil-Makers" Now 10c

The rapid spread of these excellent forage crops—Compared as to merits—As cover crops—As green manure crops—For the silo—As soil enrichers—In rotation—Wide adaptability—As to soil and climate—As crops grown in mixtures—Farmers East, West, North or South will be glad to learn more about these crops. 68 pages.

**CORN**—"How to Get 100 Bushels of Corn from An Acre" Now 10c

No empty corn crib for the farmer who follows the hints this book gives—Some brand new ideas in growing this king of money crops—How to build up poor soils so they will produce bumper crops—Pointers from the standpoint of scientific facts as well as the actual experience of practical growers—Feeding the soil with organic matter—Inoculated legumes for green manuring corn land—No theories, just good, cold facts presented in simple understandable form, so that every up-to-date farmer can and will make practical use of what he reads. 52 pages.

**VETCH**—"The King of Soil Builders" Now 10c

This book fully describes the merits of this crop new to America—As a soil improver and cover crop—On corn lands—On potato land—On tobacco fields—In orchards—Its feeding value—Inoculated and uninoculated Vetch—Building up run out soils and reclaiming new barren sandy soils—Seeding—Harvesting—Vetch as a nitrogen-gathering crop—Grown with the grains. 84 pages.

**PEAS and BEANS**—"Two \$ Cash Money \$ Crops" Now 10c

Where peas can be grown with profit—Soils—How and when to plant—Value as feed for stock—Harvesting the crop—Enemies and How to Fight Them—A sure market—Varieties—Uses on the farm—Inoculation of peas and beans and their value as soil builders. 68 pages.

**POTATOES**—"How to Grow More and Better Potatoes" Now 10c

Profits made in potato growing—Methods of planting and preparing soil that will bring increased yields—Green manures for potato land—Figures showing increase due to green manure system. 52 pages.

**ORCHARDS**—"Cover and Shade Crops for Orchards" Now 10c

Methods of managing soils to insure the future of orchards—Soil mulch system—Continuous clean culture system—Cover crop system—Prevention of soil washing—Benefits of green manures—Increasing humus in soils—Improving soil in texture, drainage, ventilation, water holding capacity—Use of commercial fertilizers—Kinds of cover crops to use—Orchards of Eastern and Northern states—Orchards of Southern and Western states. 52 pages.

### Invest In These Books and Double Your Grops

I Have Cut the Regular Prices to 10 cents for the First Thousand—Order Early

# PURE BRED POULTRY

Nothing will pay a higher return on the investment than a few dollars put into good pure bred fowls. On the pure bred stock and dairy farm that I developed near Waterloo, poultry was one of the greatest profit payers. When I sold the William Galloway Farm to Eli Messer Farms Company, this firm took over all the fine pure bred fowls I had been years in bringing to a high state of perfection.

The Single Comb White Leghorns bred by the Messer Farms Co., are fully up to the standard and the breeding yards of these wonderful layers which they have had selected by an expert poultry judge for the egg trade this year are a high scoring lot bred from winners at Minneapolis, St. Paul, Chicago and St. Louis poultry shows.

The Rhode Island Reds, Barred Plymouth Rocks, Buff Orpingtons, and other breeds from which they will sell eggs for hatching during the spring of 1914 are all high class birds and eggs can be had from them at about a third or half what specialty breeders would charge. Mr. Messer will treat you right. His eggs go out packed so they can safely be shipped any distance by express. If you want



S. C. Rhode Island Reds



S. C. White Leghorns

either stock or eggs, tell Mr. Messer your wants and he will be glad to write you. WM. GALLOWAY.

#### PRICE OF FGGS FOR HATCHING.

Settings are 15 eggs. Unsatisfactory hatches replaced at half price. Send orders early if you want eggs shipped at any particular time.

From our best S. C. White Leghorn yards, per 15.....	\$2.50
From best utility matings, per 100.....	7.00
Rose Comb Brown Leghorns (special mating).....	2.50
Single Comb Brown Leghorns.....	2.50
Utility matings of either Brown Leghorns, per 100.....	7.00

From special yards of S. C. Rhode Island Reds.....	2.50
From special yards of Rose Comb R. I. Reds.....	2.50
From special yards of Barred Plymouth Rocks.....	2.00
From special yards of White Plymouth Rocks.....	2.50
From special yards of Buff Orpingtons.....	2.50
From special yards of White Wyandottes.....	2.50
Male birds of any of the above varieties from \$5.00 to.....	2.50
Female birds of any of the above varieties from \$5.00 to.....	2.50

Send all orders and letters to Eli Messer Farms Co., R. R. No. 9, Waterloo, Iowa.



Pure Genuine and Unadulterated Seeds that Grow



The Improved German Soil Inoculator, Nobbe-Hiltner Process

# NITRAGIN

TRADE MARK REG'D. DEC. 6, 1898. NO. 32,212

Restores and Maintains Soil Fertility

## WHAT IS "NITRAGIN?"

"Nitragin" is simply bacteria or germs packed in a suitable food to keep them alive until they reach the farmer's soil. Breeding fine strains of bacteria is like breeding fine cattle or hogs and shipping them to market, only the bacteria or germs are so small that there are about 50,000 of them to the inch.

The bacteria live in the roots of legumes or (Pod Bearing) crops, such as alfalfa, clover, peas, beans, vetch, lupins, etc.

"Nitragin" germs through legumes take nitrogen from the air and turn it into plant food, making the plants healthier, hardier, deeper rooted, quicker of growth and give them greater food value by adding protein to the plants.

These bacteria therefore build up worn out land and maintain soil fertility.

## HOW TO USE IT

Simply moisten your seeds with the "Nitragin." Thousands of the bacteria cling to each seed. The seeds are spread out to dry and when dry enough to handle are planted in the usual manner, the bacteria going into the soil with the seeds. The method is simple and cheap—the logical, common-sense way to inoculate legumes.

This "Nitragin" way is endorsed, recommended and encouraged everywhere by the highest authorities.

"Nitragin" meets the great agricultural need of the hour—greater soil fertility.

### READ WM. GALLOWAY'S PERSONAL EXPERIENCE WITH NITRAGIN



Two seasons ago I engaged a dairyman for my farm near Waterloo, Iowa. This man came from a dairy farm near Milwaukee, Wis. I had tried hard to raise alfalfa on my farm. When I told the new dairyman about my experiences and that I wanted to try again for alfalfa he asked me why I didn't inoculate my seed with "Nitragin," which was made in Milwaukee. He told me that a former employer of his, Dr. G. A. Kleihsch, had tried for three years to get a stand of alfalfa, but had always failed until he inoculated his alfalfa seeds with "Nitragin." The "Nitragin" bacteria proved to be the one thing needed and success came immediately.

At once I started an investigation. I found that "Nitragin" had been in successful use for sixteen years in Europe and nearly four years in America; that the principle of artificial inoculation was endorsed, recommended and encouraged by the highest agricultural authorities, including the United States and German Governments, Experiment Stations, Soil Experts and the Editors of the leading farm papers everywhere. I also found that thousands of farmers had used "Nitragin" successfully and I read a great many letters from them thoroughly endorsing it.

When I ordered and used "Nitragin" for my alfalfa seed, I got quick results and this tract of very poor land brings me in \$60.00 per acre. I expect to follow with corn, as the alfalfa will restore this tract to its old-time fertility. I shall start clover next year and will inoculate the seed with "Nitragin." In fact, "Nitragin"-inoculated Legumes are going to increase the producing and the real estate values of my farm.

Having fully satisfied myself of the great merits of "Nitragin" as the key to successful farming, and knowing that farmers everywhere would be glad to take advantage of it if they knew about it, negotiations were opened with the German-American "Nitragin" Company, of Milwaukee, Wis., for the exclusive sale and distribution of their products throughout the United States and Canada. As a result we closed such a contract and last season we sold many thousands of acres of "Nitragin" and the results have proved eminently satisfactory. Our customers have written us saying what splendid results they have had through the use of "Nitragin." Read the testimonials on this and following pages and be assured that what "Nitragin" has done for others it will do for you.



*Wm. Galloway*

## BE PROSPEROUS

Grow Alfalfa  
You can do it with

## NITRAGIN

If you knew in advance—before you planted your Alfalfa—that if you did not inoculate your Alfalfa seed just before planting it might fail entirely, or grow up spindling and short like the plant at the right in the picture—and that if you did inoculate, with "Nitragin" bacteria, your Alfalfa plants would grow up tall, thrifty, dark-green and rich in protein, like the plant at the left in the picture—would you neglect the use of "Nitragin?" Of course not, you'd use "Nitragin."

See what Dr. Lipman says in the quotation on page 102, from Bulletin No. 226, of the New Jersey Experiment Station. He says, "Alfalfa yield increase due to 'Nitragin' was 500 per cent." Could any stronger evidence be had of the value to any farmer of "Nitragin?" Think about this a minute—then send us your order.

### Get This Book How To Grow Alfalfa

Send us 10 cents for postage and handling. There is not a \$1.00 book on the market that equals it in practical information on the subject of growing this valuable crop.

It tells you how to properly inoculate, and is of interest to every farmer no matter whether he is trying to grow Alfalfa, no matter whether he thinks Alfalfa cannot be grown, or no matter whether he is growing Alfalfa today with apparent success.



ALFALFA  
Seeds  
Inoculated  
with  
"NITRAGIN"

Not  
Inoculated

### ANOTHER SUCCESS

Previous to last season I had been unable to "catch" alfalfa on my land. However, I noticed your advertisement of "NITRAGIN" and resolved to make one last strenuous effort to grow that most valuable of all crops for dairy farmers. July 21 we sowed a piece of land with about 27 pounds of alfalfa seed to the acre—the seed having been carefully inoculated with your "NITRAGIN." Then I patiently awaited the result and tried to "look pleasant" while all my neighbors "knocked." It wasn't many days, however, before these same prophets were sitting on my fence (so to speak) and gazing in wonder at a sight they had rarely seen before, viz.: a perfect "catch" of alfalfa. Should it come out well in the spring I shall add another piece to it and you may rest assured there will be a number of converts to the efficacy of "NITRAGIN" in this locality.

Very truly yours,  
Wampsville, Madison County, N. Y. R. A. McCONNELL.

### SUCCESS AFTER 13 YEARS

Enclosed find order for five acres alfalfa "NITRAGIN." That which I inoculated last year is now the best piece I ever saw. I lived in California nine years and I think I am competent to judge. Think it will cut two tons per acre the first cutting.

I have been experimenting with alfalfa for 13 years in Ohio and with little success until now.

Yours truly, W. STEER.

### REASON

#### THIS OUT FOR YOURSELF

"Nitragin" will insure you a stand of alfalfa. By inoculating your seed, you will avoid disappointment, also expense of lost time, seeds, labor and land. Furthermore, it will insure a heavier crop and will also result in your alfalfa bringing more nitrogen out of the free air into the soil.

#### YOU CANNOT AFFORD

To sow this or any other leguminous crop without inoculating with "Nitragin," because the cost of \$2.00 per acre will pay for itself over and over again.

#### BE ALIVE

To the modern farming ideas, which have proven themselves practical, and send us your order for "Nitragin."

#### PRICE

"Nitragin" per acre, postpaid, \$2.10; by Express, 1 acre, \$2.00; 10 acre can lots, \$1.95; 20 acre can lots, \$1.90; 40 acre can lots, \$1.85; 50 acre can lots, \$1.80. See Parcel Post Rates, page 5.

### NITRAGIN BROUGHT SUCCESS AFTER 12 FAILURES

I sowed ten acres of alfalfa the first of August and got the best stand that I ever got and I have been sowing for twelve years. I used two five-acre cans of your "NITRAGIN" and about five tons of raw limestone to the acre. I am going to sow about 25 acres next year and will treat it the same way, as I think it is useless to sow without the "NITRAGIN" and raw limestone. Heretofore I only got about one-third of a stand.

Yours very truly,  
T. B. RIPPY.

Lawrenceburg, Ky., Dec. 13, 1912.



Alfalfa

## PRICES

### Dry Land Alfalfa, 99½% Pure (Northern Grown) (Not Irrigated)

The best for all lands. The demand for this hardy Northern grown seed is very great and we would advise our customers to get their orders in early and save disappointment.

Cat. No. 125B—Price, 1 lb., 35c (Postpaid). Freight or Express, 1 lb., 35c; 10 lbs., \$1.95; 1 bu., \$9.15; 5 bu., \$8.90.

### Grimm Quality Alfalfa (Northern Grown)

We have a limited stock of this extra hardy alfalfa. It is especially suitable for cold situations; it will survive the coldest winters.

Cat. No. 126B—Price, 1 lb., 40c (Postpaid). Freight or Express, 1 lb., 30c; 10 lbs., \$2.50; 1 bu., \$12.50; 5 bu., \$12.25.

### Tuskestan Alfalfa

Many Experimental Stations are recommending this hardy Alfalfa as very valuable in dry, cold climates. It is not irrigated.

Cat. No. 127B—Price, 35c lb. (Postpaid). Freight or Express, 1 lb., 25c; 10 lbs., \$1.95; 1 bu., \$9.40; 5 bu., \$9.15.

ALL PRICES SUBJECT TO CHANGE

# ALFALFA

## THE WONDER CROP

The deepest rooting, soiling and hay plant grown. Grow alfalfa and cut your feed bill in half.

### LISTEN—

Just one word.

Alfalfa is another of our great specialties.

There is perhaps no seed offered the farmer of the United States today upon which hinges so much importance as alfalfa, clover, timothy and the grasses. Upon this seed depends largely his prosperity.

We are putting up a fighting campaign for pure alfalfa, clover and grass seed.

The average seed man offers three varieties. When he buys the seed from the growers he buys three varieties.

We only offer you one variety, and only buy one variety, and while there may be customers of ours who will go through this catalog looking for a second and third grade clover, etc., we are sorry to advise that they will find none, but we don't believe if they knew the true facts they would be disappointed, because every time you pay a third grade price for alfalfa, clover or grass seed you pay a larger price than if you bought the very best in the first place.

This is an absolute fact, because it will take much less seed of the better grade, and you don't take the chance of polluting your farm with noxious weeds.

Don't forget this.

We also want to caution you against paying the high prices for clover seed from some concerns who are not responsible, and who are liable to claim the seed is high grade and will make you pay the high grade price when the seed is second or third grade in quality.

### Get Our Samples Which We Will Send You Free

or order a large packet of any of this alfalfa, clover, grass or timothy seed, which only costs ten cents, and make your own comparison.

If you do not have a magnifying glass of your own, you can get one in the average small town, from the druggist or physician.

Our advice to you is not to take any chances on this alfalfa, clover or timothy seed question.

### The U. S. Dept. of Agriculture Says:

"In addition to the hay crop, alfalfa at two years adds \$100.00 to the value of every acre on which it grows. There is no state in the Union in which alfalfa cannot be successfully grown. Its long, branching roots penetrate far down, push and crowd the earth this way and that, and thus constitute a gigantic subsoiler. These become an immense magazine of fertility. As soon as cut, they begin to decay and liberate the vast reservoir of fertilizing matter below the plow, to be drawn upon by other crops for years to come."

Alfalfa is such a profitable crop that it behooves all farmers to take the utmost pains to secure a crop; so profitable indeed is this crop that no time or money is wasted in raising it. Try Galloway-Bowman's Re-selected strain and make good. We handle only one stock of Alfalfa, THE BEST. Sow 15 to 20 lbs. to the acre. Put in at least an acre of alfalfa, then you will want more. It will pay you big.

### Always Buy Reliable Seed

This year has been a great one for bumper crops. The only people complaining are those who bought cheap seeds that won't grow well under the most favorable conditions. It always pays to start right by getting Pure, Genuine, and Unadulterated Seeds. The seeds that always grow.



Alfalfa for Hogs is as good as Corn and Always Healthy



Pure Genuine and Unadulterated Seeds that Grow



# LOOK AT THIS Here's a Picture of My 20 Acre Field of Alfalfa

To the right is Mr. H. G. McMillan, proprietor and editor of Farmer and Breeder, and also the famous Percheron horse magnate of Rock Rapids, Iowa. He is also growing alfalfa on his Iowa land with remarkable success. To the left of me is Mr. A. E. Haswell, manager of the William Galloway Company's Canadian house.

Of All the Great Soil Builders, Alfalfa is the Greatest of them All

Notice the depth of this alfalfa. Why not resolve to try five or ten acres on your farm next year? Alfalfa can be grown successfully in any climate, even in Canada, with nitragin inoculation. Get our book of instructions or read pages 101 to 104 which tells you how to succeed in any climate and how to inoculate your seed.

Just as sure as the sun rises and sets, just so sure is alfalfa rapidly becoming recognized as a great American legume that is surely gaining entrance into all portions of the great corn belt.

## Knee Deep in Alfalfa

Just stop and think for a minute—the leaves of alfalfa hay are equal pound to pound in feeding value to that of bran.

Who said they could not grow alfalfa in Iowa? This is just before the third cutting. Look at the depth of it. Two feet of the finest, greenest feed a cow ever ate.

Stop and consider the fact that four to five tons of alfalfa hay to the acre is a most conservative estimate, just an average yield.

Let me tell you something. I traded for this farm a few years ago. There couldn't have been a worse run-down farm in Black Hawk County. The first thing I did was to get busy and put a small portion of it into alfalfa. This picture is the result, and the land you see in the picture above right today according to the present market price of alfalfa is bringing me in \$90 an acre net.

Just stop and ask yourself what you have to pay for bran and then just recall the fact that four to five tons and sometimes six or seven tons of alfalfa hay are produced on a single acre right here in the corn belt and feed which, by the way, compares favorably with bran.

You can do the same. Get our alfalfa book which we will be glad to furnish you free, telling you how to put in alfalfa.

Three cuttings of hay per season is only an average yield and, mind you, the digestible protein in alfalfa hay is about 50 per cent more than in clover hay.

It don't make any difference where you live—no matter what latitude—with the right kind of seed and the right kind of inoculation you can grow alfalfa. We grow it even on our big farm in Canada, which is 1,000 miles north of here.

Alfalfa has come to stay—it is so profitable a crop that it must command the attention of every corn belt farmer—it is being successfully grown right now; it is not an experiment any more; it is a positive fact and every farmer should try a patch of it and the sooner the better.

Why not turn some of your land into \$90 an acre annual money producing crop? This is conservative. Remember our alfalfa seed is Pure, Genuine and Unadulterated. We don't sell any second grades.

With every order for alfalfa we give you free a little booklet with full information and complete instructions for putting in alfalfa—follow these instructions and get proper results.

## LOOK! Use Nitragin



## LOOK! Use Nitragin

**Alfalfa**  
The alfalfa seed inoculated with "NITRAGIN" was sowed on July 17th and was up on the 20th and made a good steady growth. It was about two feet high when freezing weather came on and was in bloom. I did not cut it this year. I can sow another piece next season and we will want more "NITRAGIN" when we get ready to sow it.  
Yours very truly,  
G. E. HOMER.  
Warren, Pa., Dec. 20, 1912.

**Alfalfa**  
The alfalfa "NITRAGIN" which I got from you last winter I used on my farm near Winnipeg. The ground that I used it on is well inoculated with the bacteria for alfalfa, as the roots are covered with nodules, which shows that it was just what it needed, and the alfalfa looks fine and is doing nicely; what I sowed without the "NITRAGIN" did not grow but very little and finally died out entirely.  
Yours truly,  
I. SHOUDY,  
302 Trust Bldg.  
Rockford, Ill., Oct. 28, 1912.

Knee Deep in Alfalfa Inoculated with "Nitragin"



# What "Nitragin" Does for Other Great Crops

**Oats** "I have planted oats on the field where I had the inoculated cow peas. So did the critical planter. The critical planter used commercial fertilizers, stating that he could not make a crop without them. I did not. He made no crop at all and plowed his oats under. Mine are at least one foot high, and they are the very best in this county. I am very much pleased with the great benefit I got from using your "NITRAGIN" on my peas; they were much better than the untreated peas, and now my oats are excellent.

Yours truly,  
A. E. CORY."

Keller, Ga.

## "Nitragin" Improved Oat Crop

"We have great success in planting oats on land where we had cowpeas sown inoculated with your "NITRAGIN." The land as you know is the poorest imaginable, high, dry and sandy on which we never could grow anything; but to make a trial we sowed oats and it was a revelation and a surprise to see the result. Without exaggeration, it was the finest crop of oats in Chatham county, notwithstanding we had the driest season we possibly could have.

"Now we sowed the same place again with inoculated cowpeas last summer, and sowed oats again, also a piece of land adjoining which we had in cultivation for several years which is lower and more moist than the tract mentioned first.

"It is just as if you stretch a line. You can see the difference between the growth of the young oats on the inoculated land and that not inoculated.

"If you ever come out our way you can see it with your own eyes, and I know it will do you good to see the result from such a small outlay.

Yours truly,  
"A. E. OELCHIG & SONS."

Savannah, Ga., Jan. 4, 1912.

## Cotton

### Can You Doubt "Nitragin"?

"Thinking you would like to know the results of the "NITRAGIN" on my crop, I will write and try to give you my opinion of it. As you know, I bought enough to inoculate cowpeas for two acres last year. I did not expect to see much effect on this year's cotton, but must say that I am surprised at the difference in the cotton where the peas were inoculated and where they were not. You can tell to the row where the "NITRAGIN" was used. The cotton after the "NITRAGIN" looks like it had nitrate of soda on it, and where it was not used it doesn't look so well. I am satisfied that the "NITRAGIN" will make 10 per cent more cotton than where it was not used. Now understand, I did not use according to directions, but inoculated enough peas to sow one acre broadcast and planted at least five acres, and now anyone can find the place where it was not used. I am satisfied that if I had used the "NITRAGIN" on all the peas I planted this year the land would be worth at least \$100 more for the next crop than it will be, so I will be sure to inoculate with "NITRAGIN" all peas I plant hereafter.

Yours truly,  
"WAYNE PARRISIL"

Brooklet, Ga., July 18, 1911.

Norfolk, Neb., Dec. 14, 1913.  
D. H. Greenleaf,  
210 So. 41st. St., Omaha, Neb.

Dear Sir: Received your "Nitragin" for Red Clover, Alfalfa and Soy Beans and after using same I found that it is just the thing a man needs for these plants to start on.

The bacteria in this product of yours is just the thing that I have been looking for for a long time; my soil was first class, good shape, had plenty of manure and after my brother-in-law, the chief chemist for the American Beet Sugar Co., at Rocky Ford, Colo., made analysis of the soil he told me all I needed was "BACTERIA" and I was glad to get your product for that reason, and I believe your "Nitragin" is one of the things every farmer ought to have.

Yours truly,  
Dr. C. J. Verges.

**Rotate with "Nitragin" Inoculated Legumes the Soil Builders**



Above is a stand of oats cut from a field in which oats were used as a nurse crop for "Nitragin" inoculated clover. Those oats held in the grower's hand were grown on the same kind of soil as the others but without a nurse crop in them. Is this not proof positive that "Nitragin" inoculated clover as well as other legumes feed the soil with free nitrogen from the air and that it is available for the crops sown on it?

## Orchards

As I have pointed out to you before on my page devoted to the wonderful vetch plant, orchards must be fed with nitrogen the same as plants. Trees live on plant food just the same as field or truck crops. The best way to get a big lot of plant food into the soil of your orchard is to sow "NITRAGIN" inoculated cover crops and then either turn the cover crops under with the plow or pasture them with animals that will not injure the trees. "NITRAGIN" inoculated legume cover crops will renovate your orchard's soil and furnish the trees the kind of plant food they need to produce the big dollar making crops.

## Tobacco

Every tobacco grower knows the need of giving his land a rest or renewing its plant food. Tobacco is hard on the soil. Acres and acres in the heaviest tobacco growing sections have been standing idle for years because of the fact they cannot grow tobacco crops that will pay for the tilling of the land and the time and money it takes to seed it. "NITRAGIN" inoculated legume crops can be sown on these wornout or depleted tobacco lands and big crops of feed for live stock can be had. In the course of a few years these lands will come back to a state of fertility and physical condition so they can again be cropped with tobacco. Worthless or unprofitable lands are transformed into paying properties if "NITRAGIN" is used as the key to the situation.

## Corn

Hairy vetch, crimson clover, soy beans and cowpeas, the legumes especially recommended, are annuals and very valuable as "inter-crops." It is strongly urged that all corn growers put in some "NITRAGIN" treated legume this year at the last cultivation of corn if they wish to boost their corn yield with practically no extra cost. Sweet clover, though a biennial, is recommended because of its exceptional ability to cope with the most adverse conditions of soil and weather.

The writer confidently predicts that in five years it will be a settled, universal custom for the farmers of this country to sow "NITRAGIN" inoculated legumes as "inter-crops" at the last cultivation of corn and when they do the average yield of corn in this country will sail upwards and a great wave of prosperity will sweep the land. 100 bushels of corn to the acre will not then be the exception but the rule.

The writer also predicts that you will want to make a closer and more intimate acquaintance with this wonder worker "NITRAGIN" which is the key that unlocks the door to greater soil fertility.

Every legume whether planted alone or along with corn or some other crop will be benefited by "NITRAGIN."

Don't neglect INOCULATION with "NITRAGIN."

Start in at once to build up your soil.

Don't be "peenny wise" and leave out inoculation. It's the most important step of all.

To fail to use "NITRAGIN" means to fail to get large supplies of organic matter to turn under. It also means to fail to give back to your soil the chief building material, NITROGEN, which your corn crops have been starving for.

Get on the "NITRAGIN" prosperity train this year.

Grow "NITRAGIN"-treated legumes this year so that next year you can show your neighbors how to reap golden \$ Cash Money \$ profits.

If you miss the "NITRAGIN" train this year it means two more years of losing corn crops.

For the sake of your bank account don't miss the train this year!

### PRICE

Per acre can, \$2.10 postpaid. By Express, per acre can, \$2.00; 10 acre can lots, \$1.95; 20 acre can lots, \$1.90; 40 acre can lots, \$1.85. 50 acre can lots, \$1.80. See Parcel Post Rates, page 5.

Dec. 30, 1913.

Gentlemen: Please send me seed catalog of the current year. I shall need both "Nitragin" and seeds. I wish if you have any literature regarding peas, corn and beans, you would let me have them. Our soil is in splendid shape and "Nitragin" helped to make it so.

The old timers had to allow that "Nitragin" gave me a better crop of soy beans, than if I had not inoculated. All crops to date have been turned in, but I want to try and harvest a good paying crop this year.

Yours truly,  
Mrs. C. O. Wright,  
155 W. 117th St., New York City.

**Build Up Your Soil with "Nitragin" Inoculated Vetch Seed**



Cowpeas between corn, sowed after the last corn plowing or cultivating, will make a great deal of pasture and give a fine lot of grain food for sheep or pigs or calves or cows after the corn is cut or husked out. Do not plant them without inoculating the seed with Cowpea "NITRAGIN," on account of the great soil building they will do for you. Take care of the fertility of the soil and the soil will take care of you by giving you bounteous crops.



# CLOVER



The above is a picture of William Galloway's famous herd of Prize Winning Ayrshire cattle. There is nothing pays on a farm like pure bred cattle and pure bred clover. They not only are money makers for the farmer, but they both enrich the soil.

Remember we only sell one grade—positively and absolutely the best—no seconds or thirds. This is one rule we established when we started this seed business and we intend rigidly to stand by it. We have proved that it pays.

When seeding down a piece of ground you can't take any chances by putting in poor, inferior seed that is mixed with weeds and dirt.

When ordering Clover Seed don't forget the advantages to

be derived by inoculating your seed with nitrogen. Pure Clover Seed inoculated with Nitrogen has never been known to fail. The two combined mean certain success. If it is difficult for a farmer to get a catch of clover it is because nine times out of ten the needed germs are missing in his soil. Nitrogen overcomes this obstacle at once; it gives him millions of the right kind of germs and his soil becomes thoroughly inoculated at once.

## MEDIUM RED Bowman's Extra Special Selected

Clover is the great soil strengthening crop. It adds fertility to poor soil, making possible a large crop of corn and other grains that draw so hard upon the soil. The best clover seed is none too good. You cannot afford to use anything but the best. You will note that we mention just one general clover seed—Medium Red—the best the farmer can buy—the one great clover that does so much in the maintaining of our soil fertility. Remember, clover does not exhaust the soil, but it enriches it. You can't always take something from the soil and give nothing back and expect to keep the soil in good physical condition, rich and productive. Clover not only gives you an abundant hay crop, but stores away in the roots large quantities of nitrogen which when the roots are plowed up readily becomes available for the following crops; for example, in the case of corn adding a substantial increase in the yield per acre, it pays always to buy the best grade of clover seed which can be obtained. Inferior clover seed is cheap at any price. You cannot buy poor, inferior clover seed of us—we would not sow it ourselves nor think of offering it to our customers.

We hold the finest crop of Medium Red clover in the United States; absolutely pure and of the highest germinating power. Our stock is limited and in order to avoid disappointment we would advise our customers to place their order early. Sow eight to ten pounds per acre. Free sample for comparison, or large packet, 10c.

Cat. No. 128B—1 lb., 45c (postpaid); by freight or express, 10 lbs., \$2.25; bushel, \$12.00; 100 lbs., \$20.00.

All above prices subject to change; ask for firm prices when ready to buy.

## SWEET CLOVER OR BOKHARA

A variety of Clover that resembles Alfalfa, both as to appearance and habit of growth when young. It grows much larger than Alfalfa—often 4 to 6 feet high. It makes a very vigorous growth and is much used to plow under as a green manure. Is valuable in the bringing up of old waste and worn-out soils, and thrives well even on extremely poor soil. If plowed under it adds humus and nitrogen to the soil, or if simply left to grow up and drop back for a few years the decaying stalks and roots will do wonders for the land. Its greatest value other than a fertilizer is in preparing the soil for Alfalfa as the bacteria of Sweet Clover is the same as that of Alfalfa. Sweet Clover will thrive on all classes of soil and will inoculate land otherwise too poor to establish Alfalfa. It is also largely used for bee pasture, its small white flowers yielding much honey. Sow from April 1st to Sept. 15th, with or without nurse crops, at the rate of 15 to 25 lbs. per acre.

Cat. No. 129B—1 lb., 45c (postpaid); 10 lbs., \$3.50 by express or freight; bushel (60 lbs.), \$18.50; 100 lbs., \$30.00.

All above prices subject to change. Ask for firm prices when ready to buy.

## CAHOON SEEDER

A Real Seed Saver and Most Accurate and Durable Broad Cast Sower Made

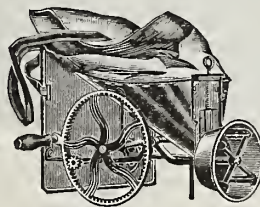
For sowing grass, clover, alfalfa, grain, etc., this fine machine has no equal. Made of steel, iron and brass, and with ordinary care will last a lifetime. Will sow evenly 5 to 6 acres an hour. It will scatter the following distances: Wheat, barley or rye, 25 feet; alfalfa, clover and timothy, 18 to 20 feet. The machine holds about 22 quarts of seed and is easy to carry. Weight of machine, 7 1/2 lbs. packed.

It is the only machine which scatters all the seed in front of—not against the operator.

Full directions in four languages.  
Price, each, \$2.98, by express. See Parcel Post Rate, Page 5.



Medium Red Clover—Prof. M. L. Bowman's  
Extra Special Selected





Galloway Bros. Bowman Co. Waterloo, Iowa, U.S.A.

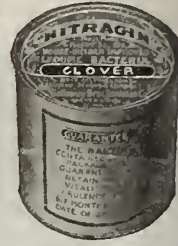


# "NITRAGIN"

## CLOVER

THOUSANDS OF FARMERS HAVE MADE MONEY WITH CLOVER.  
THOUSANDS OF FARMERS HAVE FAILED TO GET A CATCH

**BE ONE** of the thousands of farmers that have made more money and did not fail to get a catch because of "NITRAGIN"



**YOU** KNOW as well as I that clover has entered into the prosperity of thousands upon thousands of crop rotation schemes upon as many farms. But you also know that thousands and thousands of times it has failed to make good catches because the soil "was not right."

You know how many times right in your own locality, perhaps, that clover seed has been sown and wasted on valuable ground! Just think of the dollars that have been wasted, worse than thrown away, in this good seed!

Why? Because the "soil was not right."

What makes right soil?

"Right" soil for clover seed should have millions upon millions of the little germs that fasten upon the roots of the sprouting clover seed. Throw clover seed upon soil that has these little bacteria in proper numbers and it grows like a rank weed.

If you have planted clover seed you have often noticed how it will catch thicker in some spots than others, how in some places it will grow fast and luxurious, haven't you?

"NITRAGIN" makes the catch sure and certain. It puts the little friendly germs on the seed where they multiply after entering the ground and when the seed sprouts they fasten to the roots and make the clover field yield wonderful crops and store plant food in the soil to supply the grain or other crops that follow.

The reason that clover is said to be easy on the soil is because what few little bunches of germs it gathers without "NITRAGIN" give the land a better supply of plant food for successive crops. The reason

that a stand of "NITRAGIN" treated clover grows so fast and puts so much more plant food into the soil than uninoculated stands, is because the friendly little germs are introduced into the soil on the seed and multiply by the billions. These are lacking on soils where clover will not catch or where it catches and does not stand evenly.

Many people get a wrong impression about their clover failure. They think because they don't get a catch it is owing to climatic conditions—too wet, too dry, or perhaps poor seed—when as a matter of fact none of these things is the reason at all. It is simply because their soil lacks the inoculation which clover "NITRAGIN" supplies; consequently, thousands upon thousands of dollars' worth of seed is lost annually in the United States, for this reason, when as a matter of fact it is not climatic conditions so much as lack of knowledge along this line.

The average clover crop, even where you have no trouble getting a stand, can be increased about half, if the seed is inoculated with Clover "NITRAGIN." Suppose you are getting one and a half tons of clover per acre. It takes pretty good clover to run as good as this. Per ton it is worth about \$15. The same year and under the same conditions a crop of "NITRAGIN" inoculated clover would run from two to three tons.

An increase in your clover hay crop of from \$10 to \$15 per acre is worth looking into, isn't it?

Isn't "NITRAGIN" worth a trial if it will do this for you?

Price, all "NITRAGIN," \$2.10 per acre can, postpaid.

By freight or express—\$2.00 per acre can; 10 acre can lots, \$1.95; 20 acre can lots, \$1.90; 40 acre can lots, \$1.85; 50 acre can lots, \$1.80.

Parcel Post Rates Page 5

### This Picture Tells The Story

This picture was made from a photograph sent from the Ontario (Canada) Experiment Farms. It shows Red Clover—the seeds of the cluster on the left were inoculated with "Nitragin." That on the right was not inoculated. Study this picture a little and see if you can ever afford to sow clover again without inoculating the seed with "Nitragin."

### Be Alive

To what you need and what will make you money. "Nitragin" clover will do all that is claimed for it and more, and we will be glad to send you a list of names of people who have written us their satisfaction through the use of this new modern tested farming necessity "NITRAGIN."



**CLOVER**  
Seeds Inoculated with "NITRAGIN"      Not Inoculated

### Positive Testimony

(Read It)

We inoculated red clover with "NITRAGIN" and planted same along with oats, about May 15, 1912. We never have had such clover. I honestly believe that "NITRAGIN" is the cheapest and best thing on the market.

We have not threshed yet, but I believe our oats are the best we ever raised, and it is due a great deal I believe to the surplus of nitrogen added by the "NITRAGIN" bacteria. We shall continue to use it for clover.

(Later.)  
Since cutting the oats the clover has grown so fast that we have been obliged to pasture 22 head of Holsteins on the 16 acres in the afternoon to keep it from getting too large to go into the winter. It grows as fast as they can eat it. I call that remarkable for new seeding.

A. W. MUNSSELL,  
care Flint & Kent,  
Attica, N. Y.



If this heavy, fine-stemmed, rank growing red clover field does not make you want a field of clover that will put fertility into your soil and make a hay crop that will tickle the cows' udders, what would? Think of what a corn crop that land will produce after a couple of years in "NITRAGIN" inoculated red clover! Think of the heavy piece of wheat or oats or barley that could be grown on it! And when it comes right down to the facts of the matter, can you afford to get along without it right on your own farm? Haven't been able to grow it? That's because you have not used clover "NITRAGIN," the seed inoculator. Order it now and inoculate your seed before planting—there's a big, pleasant surprise waiting for you.



Pure Genuine and Unadulterated Seeds that Grow



## Crimson or Scarlet Clover

Valuable as a pasture, green forage and hay crop, and for quickly restoring fertility to worn out soils, it is invaluable.

This annual clover is without doubt the best of the whole clover family for thin poor soils, it thrives and produces an abundant crop under such conditions, whereas medium red, mammoth and alsike would fall completely. As a green manuring crop it is without an equal.

Plowing under a good crop of Crimson Clover is equal to twenty tons of stable manure per acre and even if the crop be pastured the benefits to be derived from the wonderful nitrogenous root growth, will many times over repay the cost of seeding and labor.

Crimson Clover adapts itself best to the soil and climatic conditions of such states as Delaware, New Jersey, Maryland, Virginia and Tennessee. Although in New York, Pennsylvania, Ohio and Michigan, many farmers have raised fine crops of Crimson Clover.

Sow at the rate of fifteen pounds of seed per acre, either broadcast or in drills, cover lightly with a harrow. Inoculate Crimson Clover with "Nitragin" before sowing, and insure a good catch.

Price, per lb., 25c (postpaid). By freight, 1 lb. 15c; ¼ bu., \$1.75; 1 bu. (60 lbs.), \$6.50. Subject to change.

## Alsike or Swedish Clover

Bowman's Extra Special Selected

This is one of the hardest varieties known. It is perennial and does not winter kill. It will do better on moist land than any other variety of clover and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Medium Red Clover and with Timothy, and the quality of hay thus produced is excellent. It is finer and more leafy than Medium Red Clover, although it does not grow so high. It is very fine for honey bees and cattle prefer it to other clovers. Free sample for comparison or large packet, 10c.

Cat. No. 130B—1 lb., 45c (postpaid). By freight, 10 lbs., \$2.75; 1 bu., \$15.65; 100 lbs., \$26.00.

## Mammoth Red Clover

This is also called Sapling or Pea Vine Clover. It greatly resembles the Medium Red, but grows coarser and more vigorous. It is the best clover for pasturage, as it will produce an enormous yield and is of the highest feeding quality, but not as desirable for hay. Specially desirable for hog pasture. You can enrich your soil more cheaply by sowing Mammoth Clover and plowing it under than in any other way.

Cat. No. 131B—1 lb., 45c (postpaid). By freight, 10 lbs. for \$2.40; bu., \$12.35; 100 lbs., \$20.50.



## "Clover" the Great Soil Builder

You must grow clover—you can't afford to do without it.—It enriches your land.—It feeds the soil nitrogen.—Legumes are absolutely necessary in the rotation of crops in order to maintain the fertility of the soil.—Pure Seed is all essential. Send your order to us and get the best "NITRAGIN" INOCULATION NECESSARY FOR A SURE CATCH, HEAVY CROP AND MOST FERTILITY.

## Serradella

The Great European Legume Plant

Although not well known by the farmers of the U. S. A., Serradella is very popular with the farmers of Germany and many other parts of Europe. Over there it is known as "The Wonder Crop," the "Clover of the Sand."

When it has been properly handled here as in Europe, it has proved to be a remarkable crop and could without doubt be successfully grown in America. It is worthy of the attention of our American farmers, because of its great feeding and fertilizing value.

As a feed for cattle, it has one very important advantage over clover, inasmuch as it does not bloat cattle, as clover is inclined to do, it is specially good for milk cows. It can be grown on the same soil a number of years in succession.

As an upbuilder of worn out soils Serradella has few equals. It may take the place of stable manure inasmuch as it is a fertilizer. It has been proven that crops grown on soil fertilized by Serradella are not only equal to those grown on land fertilized by stable manure, but greatly exceed them.

Serradella is an annual and may be sown with oats, wheat, rye or other grains as a nurse crop, and after the grain is harvested, the Serradella makes a rapid and luxuriant growth, enabling the farmer to plow it under for a green manure the same fall, thus the soil is supplied with plenty of humus, all the nitrogen required, as well as all the phosphoric acid and potash contained in the Serradella itself.

It must be distinctly understood, however, that in order to obtain the best results from a crop of Serradella, the seed should be inoculated with Serradella "Nitragin" before sowing. (Sow 15 lbs. per acre.)

Price, per lb., 30c; 3 lbs., 80c (postpaid). By freight, 10 lbs., \$1.50; 45 lbs. (1 bu.), \$5.25.

## Kaffir Corn

A remarkable forage plant that is now being grown in all sections, producing two to four heads per stalk, stands drought well and produces two crops of fodder in a season; good for cattle, dry or green; relished by all kinds of stock. The seed crop is very heavy, about 60 bushels to an acre. Average height on good land is about 4 to 5 feet. The stalks are very strong, seldom ever blow down, are brittle and juicy; do not harden like some other varieties of sorghum. It can be depended upon to produce a crop under almost any conditions of climate.

For grain sow in rows 3 feet apart, about 10 pounds of seed to the acre. For fodder sow 75 to 100 pounds of seed, either broadcast or in drills.

Cat. No. 146B—1 lb., 20c (postpaid). By freight, 10 lbs., 50c; 50 lbs., \$2.10; 100 lbs., \$4.10.

## Sunflower

GALLOWAY-BOWMAN'S MAMMOTH RUSSIAN—A great favorite for both the poultry raiser and the hog raiser. It is hardly necessary to call the attention of the poultryman to the egg-producing properties of sunflower seed. It contains a large percentage of protein, very fattening, and a very heavy yielder. The plants will range from 6 to 10 feet high heads large and well filled. You will find it relished very much by the hogs and poultry.

Cat. No. 148B—Price, 1 lb., 25c (postpaid). By freight, 10 lbs., \$1.00; 25 lbs., \$2.25.

All Prices on This Page Subject to Change



Galloway Bros. Bowman Co. Waterloo, Iowa, U.S.A.

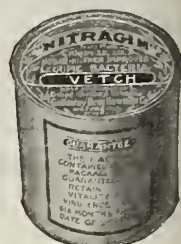


# BRING BACK THAT WORN OUT FIELD WITH

**"NITRAGIN"  
INOCULATED**

# VETCH

**THE KING OF SOIL BUILDERS**



**N**OW HERE is where I am going to tell you something about making real money. It will suit the man with a piece of sandy land, the owner of any kind of soil, in fact, who wants to get it into shape to produce a great big crop.

I am going to tell you about the same kind of a plant that recovered a positively worn-out farm and made it yield a hundred measured bushels of corn to the acre.

Vetch is the thing. And for positively dead soils it is the king of all legumes. There is no land so poor that vetch will not grow on it if Vetch "NITRAGIN" is used to inoculate the seed. The other day a man called my attention to the fact that hundreds and thousands of sandy Michigan farms along the

lake shore region where his summer home was located, were becoming fertile through reclaiming by this wonderful plant.

This land was seeded to vetch rather roughly and allowed to reseed itself, and as the years go by the rotting annual growth of the vines drops and forms humus that betters the soil, making it blacker and richer and succeeding years' growth becomes ranker and ranker.

Vetch is a very rank grower and makes excellent pasture, stock leaving other forage and going into it whenever they find it. But where you are building up sandy, worn-out lands it should not be pastured too closely so that it cannot reseed itself every fall. In five years inocu-

lated vetch will transform \$5 land into soil that will grow crops equal to \$50 land. Is "NITRAGIN" worth using?

Inoculate your vetch seed with "NITRAGIN" and it will transform the nitrogen of the air into plant food and store it in the soil. "NITRAGIN" inoculated vetch seed will make far more growth, often doubling what it would do without inoculation, and it would be a very conservative statement to say that inoculation will give a fifty per cent increase in the growth.

Get your poor pasture or field down into "NITRAGIN" inoculated vetch and see it come back to a state of high fertility.

## LET ME ASK YOU A QUESTION

Have you been watching the westward march of the fertilizer line? It is coming westward every year, just a little further.

Sow inoculated vetch between the corn rows at the last plowing of the corn and you can put humus and plant food into the soil without losing the use of the land for a single crop. Inoculated vetch sown in this way will put plant food into the land, furnish a fine pasture right through the fall and will be the first pasturage when spring opens up.

And when plowed under, will give you a green manure crop that will discount anything you ever heard of or used, in actual dollars and cents returns.

If you want to get on the vetch prosperity wagon and ride in a spring seat, take Galloway's advice and use "NITRAGIN" inoculated seed.

There's dollars in worn soil. Let "NITRAGIN" inoculated seed get them out for you.



It is just this sort of dollar making vetch vine that you can have on your sandy or worn out soil if you inoculate with "NITRAGIN," the seed inoculator. "NITRAGIN" will help you get poor land into the right shape to produce heavy crops of corn, small grain and fruits and while doing it return big gains in mutton, horse flesh, veal and milk. Don't these products mean DOLLARS out of worthless land?

## READ THE UNBIASED TESTIMONY OF "NITRAGIN" USERS

### Delaware Agricultural Experiment Station

"Replying to your letter of recent date in regard to our success with your cultures for treating certain leguminous plants will say that as far as we have tried them, the cultures are successful. The serradella was not sown until August as we find, for most legumes, that fall seeding is much better. The soy bean and vetch were well supplied with nodules and I feel sure that the inoculating material is satisfactory.

Yours very truly,

A. E. GRANTHAM,

Agronomist.

Delaware College, Newark, Del., Nov. 26."

### PRICES

**VETCH "NITRAGIN"**—Per acre, \$2.10, postpaid. By Express, acre, \$2.00; 10 acre lots, \$1.95; 20 acre lots, \$1.90; 40 acre lots, \$1.85; 50 acre lots, \$1.80.

**VETCH SEED**—1 lb., 25c, postpaid. By freight, 10 lbs. for \$1.40; 1 bu. (60 lbs.), \$6.60; 100 lbs., \$10.50.

I used "NITRAGIN" on alfalfa sown August 1st. Got a fine stand with lots of nodules on the roots. My Canada peas treated with "NITRAGIN" did well with a number of nodules on the roots. The winter vetch were loaded with nodules on the roots where treated, while the test patch not treated had none. In short I think "NITRAGIN" a success.

Wishing you the compliments of the season, I am,

Yours very truly,

J. V. McCULLEY.

Rayland, O., R. F. D., Dec. 31.



Pure Genuine and Unadulterated Seeds that Grow



# True Imported Dwarf Essex Rape

Imported by Us Direct from Essex, England

## Have You Ever Tried It?

If you have, then it is not necessary for us to impress upon your mind the splendid return that can be had with such little outlay of expense—just like finding money.

If you have never tried Rape, then we certainly must take this opportunity to call to your attention what you have been missing.

Rape is especially relished by hogs and sheep, and when you stop to think about it the entire returns can just be considered that much actual profit because the outlay of expense is practically nothing.

Take, for example, the putting of Rape along with the oats. It is certainly a splendid way to get an abundance of feed for practically nothing because it really costs you nothing when you come to think about it.

There are two ways of putting Rape in with the oats—first, if you are putting the oats on a piece of high land, then it will be all right to put 5 to 6 pounds of Rape seed to the acre at the same time you put in your oats. They can be sown just at the same time if the field is well drained as above referred to. You will be surprised when it comes time to cut the oats to find that the Rape seed had hardly made much of a start yet and they interfered not at all with the binding of the grain. But in a week or ten days' time after the oats are in the shock then you will be delighted to find your field a mass of green feed that will just simply be "apple pie for the sheep and hogs."

Now, then, the other way for putting the Rape seed in along with the oats is as follows—especially if the land is inclined to be low and particularly rich it will be best for you to sow oats without the Rape



Just What You Need for Your Sheep and Hogs a Real Flesh Builder

**CULTURE.** Sow in drills one and one-half feet apart, three to five pounds of seed being sufficient for one acre. Rape can also be sown broadcast at the rate of five or six pounds of seed per acre. In the southern states the best time for sowing is September or October. Rape thrives best in cool weather. In the northern states it can be sown from April to October.

### CAUTION

When buying rape seed be sure to insist upon getting the Genuine Imported English Rape Seed, other varieties are mere weeds in comparison. When buying rape seed from us you know you are getting the genuine seed, we import it direct ourselves.

seed and in about a week or ten days afterwards and put on the Rape. Sow broadcast or it could be drilled—either way will get results. The reason for sowing Rape late is that in case your ground is especially rich or inclined to be a little damp, it might be possible that the Rape seed would make a greater growth than would be desirable so that you might cut some of the Rape plants at the time you were cutting the oats; while by waiting you will find that there will be no difficulty at all from this source and you certainly will have to be delighted with the abundance of very excellent feed that is so greatly relished by your stock and which, by the way, you will see here has cost you practically nothing. Give your hogs a treat, put down an acre or two of this flesh making feed. You really cannot afford to be without it.

**Prices:** Catalogue No. 147 B. 1 lb. 30c; 3 lb. 60c; (postpaid) By freight 10 lbs. \$1.25; 25 lbs. \$2.25; 50 lbs. \$4.10; 100 lbs. \$8.00; Price subject to change.

## Sand Winter or Hairy Vetch

The Greatest of All Soil Builders, Inoculate with Nitragin

Sow Winter Vetch and get your worn out farm back to productiveness.

Next to alfalfa, no plant has been so much before the farmers of the United States as the Sand or Hairy Vetch,

### PURE SEED

Every Agricultural College from the Atlantic to the Pacific has been boosting this valuable legume plant as the best soil restorer ever introduced to this country. The demand for pure seed has been enormous. Farmers, however, should exercise great care when placing their orders for this seed, as there is quite a lot of Vetch on the market that is not the Winter or Hairy type, and is quite useless for the purpose for which the true kind is used.

The substitutes being mere weeds in comparison with the true type and dear at any price. We guarantee our stock and when farmers order from us, they can depend upon getting what they order, or return it and get their money.

### IMPROVES POOR SOIL

The Vetch is a very fine plant for improving poor, sandy or gravelly soils and increasing their productiveness. A very valuable forage plant and is rapidly becoming more popular each year, as the farmers of this country are learning more of its great value. It is very hardy, is valuable as a winter cover crop to prevent leaching, and for forage and fertilizing purposes. It is a biennial, but resows itself and will come up year after year on the same ground.

### GOOD ON POOR SOIL

It succeeds well on nearly all soils and thrives surprisingly on poor, light land, and will endure extremes of drought, heat and cold. It improves the soil, being a great nitrogen gatherer. The roots bear innumerable nodules of nitrogen-gathering bacteria. These take the

nitrogen from the air and restore it to the soil, where it is so much needed. It belongs to the pea family, but the vines are much longer and the foliage is more abundant. It may be sown either in the spring or fall with about half a bushel of rye or oats for support. It grows rapidly and is particularly valuable in sections where clover does not thrive. In the North it remains green all winter under the snow and it is invaluable for early pasturing or soiling.

### A VALUABLE FERTILIZER

The Department of Agriculture estimates the value of this Vetch unplowed under equal to commercial fertilizer at the rate of from \$16 to \$40 an acre. When sown in August or September it covers the ground before frost and prevents leaching of the soil during the winter and spring. When sown in April or May it can be cut in July, the second growth affording excellent pasture during the summer.

### HEAVY YIELDER

The yield of green fodder is from twelve to twenty tons an acre. This may seem to be an exaggerated statement, but when the amazing stooling propensities of this plant are taken into consideration the yield is readily accounted for. As many as twenty long vines spring from each root. When raised for hay it should be left standing until some seeds have become well formed. We specially urge farmers of the Northwest to try Sand or Winter Vetch.

Not only does it produce an enormous amount of very valuable feed, but it at the same time restores to the soil a great amount of fertility, which is so much needed. It will not disappoint. Plant at least an acre this season. 1 to 1 1/2 bushels of seed required to the acre.

We sell only Genuine Imported German Grown Seed, guaranteed to us to be 90% or better pure and 90% germination.

**Prices:** Catalogue No. 136 B. 1 lb. 25c; (postpaid) By freight 10 lbs. for \$1.20; 1 bu. (60 lbs.) \$6.60; 100 lbs. \$10.50. Price subject to change.

All Prices on this Page Subject to Change, Ask for Firm Price When Ready to Buy



## WAIST DEEP

In "NITRAGIN" inoculated Soy Beans, the great soil builder. Don't fail to sow Soy Beans with your corn for ensilage.



Every little bunch on the roots of this inoculated plant is a grain of plant food gold. The following crop will turn it into \$-Cash-\$

## COW PEAS

(WHIPPORWILL)

A brown speckled medium sized pea. A very prolific seed yielder, matures about ten days later than the New Era. Whippoorwills are generally used for planting broadcast. For hay, sow 1 1/2 to 2 bushels to the acre broadcast in rows about one-half to three-fourths of a bushel.

When planted in corn about one bushel to the acre if broadcast, if drilled in beside corn rows, about one-half bushel will be sufficient.

Price, 1 lb., 20c (postpaid). By freight, 1 pk., \$1.00; 1/2 bu., \$1.90; 1 bu., \$3.50. Subject to change.

## SOY BEANS

ESPECIALLY VALUABLE FOR ENSILAGE

In consequence of their exceptionally high feeding value, both as hay or grain, the Soy Bean is rapidly coming to the front. The demand last season being quite treble that of any previous year.

Farmers all over the States are now beginning to appreciate their value as soil builders and many thousands of bushels are being sown in the southern part of the States for the purpose of reclaiming old worn out farm lands.

The soy bean is worthy of a place on every farm, either as a grain crop, fodder crop to feed green, or for the silo.

Eminent Agriculturists are strongly urging farmers everywhere to sow Soy Beans and corn together for silage. They claim that this combination makes a wonderful feed for dairy stock.

Western farmers are taking it up everywhere, in fact this new idea there will be a tremendous rush for hundreds of acres grown this coming

seems to be spreading like wildfire and it seems as though this kind of seed during the coming season. There will be hundreds of acres grown this coming year, to one that was grown last.

We cannot too strongly urge upon all farmers requiring silage, to sow down a few acres of Soy Beans and corn. Inoculate your beans with "Nitragin" before sowing and insure a bumper crop of delicious rich silage for your stock. Two parts corn and one part Soy Beans furnish a wholesome, economical and completely balanced feed for milch cows.

Soy Beans planted in rows 2 1/2 feet apart, 6 to 8 plants to the foot of row, requires 4 pecks of beans per acre. Planted this way they will yield from 16 to 20 tons per acre of rich flesh making fodder. A successful way to grow Soy Beans is to sow them with corn when required for silage. Plant two rows of corn and one row of beans. About two pecks of Soy Beans will be sufficient for an acre, when sown this way.

Price, lb., 20c (postpaid); by freight, lb., 10c; per pk., \$1.25; 1/2 bu., \$2.00; 1 bu. (60 lbs.), \$3.65.

## SPELTZ OR EMMER

Speltz have come very rapidly to the front during the past few years, owing to their extreme usefulness and heavy productiveness. It has the reputation of thriving under almost any soil, condition or location. They do well on poor soil; they resist drought; endure a fair degree of frost; are not easily damaged by rains; is rust-proof, yields heavier than either wheat, oats or barley. The straw can be used for fattening stock.

We strongly urge those who have not previously given Speltz a trial to do so this season; it is one of the best paying crops.

Professor Shephard, of the South Dakota Experiment Station, states:

"It is readily eaten by all kinds of stock and has shown itself to be especially adapted when fed to milch cows. It is better to mix it, however, with bran and shorts, as it is a pretty heavy feed when fed alone. As a swine feed, we think very well of it, indeed, especially for brood sows.

"Horses do well on it, but I do not think it is equal to oats in that case. Its most striking value is found in the fact of its drought-resistant qualities."

The United States Department of Agriculture has issued a bulletin on Speltz, commending it highly, and the introductory paragraph of that bulletin states:

"The extremely variable conditions in some of our western states have made it desirable to give particular attention to crops resistant, especially to cold and drought. Among such crops Emmer holds high rank and should become one of the prominent crops for stock feeding. Sow two bushel to an acre in drills."

Cat. No. 138B—lb., 20c (postpaid); by freight, lb., 10c; per bu., (40 lb.), \$1.25; 5 bu. for \$5.50. Ask for special price on larger quantities.

## COW PEAS

The Cow Pea is one of the most useful annual forage crops. In the first place it grows in hot weather when it is desirable to have the ground covered. Its long tap root penetrates the sub-soil, loosening it and making it more porous; the absorption of the free nitrogen makes it of great service; it provides splendid forage; it may be used as a cover crop; the roots and stubble are left as additions to the soil, always causing considerable improvement. It has strong roots and heavy foliage possessing great fertilizing powers. It draws its nourishment very heavily from the air, and returns it in a rich measure to the soil, thereby enriching it to a degree that is remarkable. If not desired as a fertilizer it makes a fine fodder for cattle. The Cow Pea ranks very high as a soil enricher, gathering immense quantities of nitrogen from the atmosphere. The ripe peas contain no less than 15 1/2 per cent of digestible protein. The vines, properly cured, are a most valuable fodder for cattle and sheep, being richer in protein and fat than the best clover hay. If desired, the pods may be harvested for the grain and the vines plowed under to fertilize the soil. The seed or grain is ground and used for feed, the leaves and stalks also make good fodder fed green. Poor sandy soil may be greatly improved by plowing under a crop of cow peas and thus made into a fertile loam. If wanted to plow under as a fertilizer, sow with a drill, in drills a foot apart. If grown for seed, plant 3 1/2 feet apart and 1 foot in the row, and cultivate thoroughly, using 25 pounds of seed per acre.

For hay, sow 1 1/2 to 2 bushels to the acre broadcast in rows about one-half to three-fourths of a bushel.

When planted in corn about one bushel to the acre if broadcast, if drilled in beside corn rows, about one-half bushel will be sufficient.

## NEW ERA

There are quite a large number of Cow Peas offered by seed houses, but there is not a more reliable variety anywhere than the New Era. It is much more productive than any of the old class and is especially suited to the Northwestern States owing to its hardiness. In the Cow Pea we have a fertilizer and a food at the same time.

Cat. No. 137B—1 lb., 20c (postpaid); by freight, 1 pk., \$1.00; 1/2 bu., \$1.90; 1 bu. (60 lbs.), \$3.50. Price subject to change.

These prices may advance before season closes, order now



Pure Genuine and Unadulterated Seeds that Grow



# Prosperity Through Nitragin Inoculated Soy Beans and Cow Peas

**COWPEAS** are wonderful soil builders. To produce heavily for big crops of hay and grains which may be turned into fattening foods for all kinds of stock, the seed should be inoculated with Cowpea or Soy Bean "NITRAGIN." Cowpeas mixed with corn make much greater gains when fed to hogs than corn alone. They are also soil enrichers when properly grown. It takes about four and a half pounds of cowpeas to make a pound of pork. They make excellent cover crops for orchards and can be harvested right on the ground by the hogs if desired.

Every time a crop of cowpeas is sown and harvested this way, you are putting a crop of nitrogen in the soil, getting a crop of fattening feed

for sheep, cattle or hogs, distributing manure over the land and getting a crop of beef, pork, mutton ready to go over the scales. With such profits as these before you from "NITRAGIN" inoculated cowpeas, is it not good business sense to invest in "NITRAGIN" to inoculate the seed, to put into the soil the greatest amounts of plant food for the succeeding crops, the heaviest yield of peas for stock food? There is no crop that means more money for the farmer or land owner than the crop of plant food he stores in his soil every year. It is a deposit in the Bank of Fertility and he can draw checks on it whenever he sees fit to check out from the store of plant food he has laid away.

### WHAT "NITRAGIN" WILL DO

Generally speaking, it will do mankind more real lasting good than any product on the world's market. This fact has been already demonstrated by progressive American farm owners numbering thousands, and every day hundreds are being added to the list.

Specifically, "NITRAGIN" Germs take nitrogen from the air and make it into food for plants. Stated in these few simple words, "NITRAGIN" does not mean much to the average man, and yet no other product in the world can possibly bestow such vital far-reaching benefits on the farmer, and there is nothing in the science of Agriculture that means more to mankind.



## "Nitragin" Will Make Every Farmer Money DON'T OVER LOOK IT, "GET NEXT"

**READ THIS**  
200% Heavier Through Nitragin Inoculation  
Cowpeas

At the request of your Mr. Davis, I am writing to tell you the success I have this season with the "NITRAGIN" I used to inoculate my cowpeas. On May 15th I seeded to cowpeas, planting some in a fair clay soil which had been limed and manured, sowing 100 lbs. of seed to the acre.

The cowpeas inoculated with "NITRAGIN" are much ranker and sturdier in growth and have a richer, darker green color than the uninoculated and the cowpea itself is much larger. Upon digging up several plants, with a spade, I found that upon the roots of the inoculated plants there were nodule formations in great abundance; whereas on the roots of the untreated plants there were few nodules, if any.

I estimate that the yield of my inoculated cowpeas to be at least 200 per cent greater than that of the uninoculated. The "NITRAGIN" treated and untreated peas were sown at the same time on soil prepared under similar conditions. That you may note the remarkable contrast between the treated and untreated peas, I am sending you a few plants each of the respective crops. I called in several of the neighbors and surrounding farmers to see the great contrast in color and growth and all were greatly surprised to see the difference and stated that they were going to try "NITRAGIN."

Spray, N. C.



**THE BRAINY FARMER**  
**Look!** He Plows Under a Heavy Crop of Nitragin Inoculated Cow Peas and Adds Value to His Soil in the way of \$ cash money \$ fertility.

D. M. WALKER.

**HERE'S ANOTHER**  
Canada Peas and Soy Beans  
Mr. D. MacLachlan,  
721 University Bldg.,  
Syracuse, N. Y.

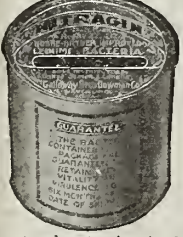
Dear Sir:  
Answering your inquiry about soy beans, I have grown soy beans in my silage corn for a number of years. At first they did not grow very well, but I kept at it, and in the course of five or six years I got the soil inoculated so that I got a fair crop.

Last year I used "NITRAGIN" to inoculate soy beans and planted (on ground where soy beans had never been grown) with my corn, same time corn was planted, and I got right off the best growth of soy beans I ever saw. It was simply fine. You may send me "NITRAGIN" for soy beans to plant with thirty acres of corn this year on my Manlius farm, also "NITRAGIN" for ten acres Canada peas to sow with oats. I am sure that "NITRAGIN" is the greatest help to farmers of any discovery in agriculture in many years. Soy beans in corn makes the best silage I know anything about.

Refer anybody to me you like. I can tell you some interesting things about sunflower in silage. Mr. Emms of Cornell, saw my crop of silage last year and wrote about it in the Ohio Farmer.

Yours truly,  
J. E. JONES.

Sunflower Farms at Dewitt, N. Y.  
Drug Store Cor. Park and Pond Sts.,  
Syracuse, N. Y., Feb. 20, 1913.  
This Letter Forwarded to Galloway Brothers-Bowman Co. by  
Mr. MacLachlan.



## Soy Beans The Great Ensilage Plant



No field crop has come to the front so rapidly as the Soy Bean. It has proved its worth wherever grown; as a soil builder it has few equals; for growing with corn for ensilage it is an excellent plant. Sow between the corn rows after the last cultivation. They are planted and harvested practically the same as Cow Peas. A favorite way to plant them is in rows about 2 1/2 to 3 feet apart, thick in the rows. They grow erect and often reach a height of 3 to 5 feet and the yield of seed is enormous. As much as five tons of dry hay has been cut per acre and as much as 50 bushels of seed harvested per acre. "Nitragin" inoculated with Soy Beans are great soil builders, and we recommend that the stalks be cut about six inches from the ground and the stubble turned under. They gather nitrogen from the air, same as clover, the roots being covered with tubercles.

It is claimed that the grain is the richest known vegetable substance

and that when ground and fed to cattle, gives a milk richer than cotton seed or any other meal. For ensilage it forms a complete balanced feed ration. Don't plant Soy Beans without inoculating with "Nitragin," you can't afford it.

### Twelve Reasons Why You Should Use "Nitragin." READ THEM

1. "NITRAGIN" cuts down the farmer's fertilizer bills; for it enables him to produce his own nitrogen.
2. It increases the value of his land.
3. It increases the yield of his crops.
4. It causes his crops to ripen earlier.
5. It gives his crops a greater food value.
6. It encourages legume crops to grow in new localities.
7. It makes legumes more profitable for green-manuring.
8. It makes legumes more profitable in crop rotation:
  - (a) It increases the value of the succeeding crop.
  - (b) It increases the value of other crops in the rotation.

9. It increases the quantity of humus.
10. It improves the quality of humus.
11. It makes possible full crops from poor, sandy soil.
12. It does away with time, labor, cost and danger of inoculating a new field with weed-ridden earth taken from another field. (Soil-Transfer.)

Price, Cow Pea or Soy Bean Nitragin, \$2.10 per acre, postpaid. By Express, 1 acre, \$2.00; 10 acre lots, \$1.95; 20 acre lots, \$1.90; 40 acre lots, \$1.85; 50 acre lots, \$1.80.

**PRICES: SEED**  
Soy Beans, peck, \$1.00; 1/2 bu., \$1.90; 1 bu. (60 lbs.), \$3.65.

Cow Peas, peck, \$1.00; 1/2 bu., \$1.85; bu., \$3.50. Subject to change.



### German or Golden Millet

(True Southern)

This grows very rank and is one of the best varieties for hay or fodder. On good rich soil it will make a growth of 4 to 5 feet high, and although the hay may seem coarse, yet it is so tender that if cut at the right stage, which is when in full bloom, even the hogs will eat the cured hay quite greedily. A yield of 5 tons of hay per acre is nothing unusual.

Cat. No. 140B—1 lb., 20c (postpaid). Express or freight, ¼ bu., 65c; ½ bu., \$1.50; 1 bu., \$2.00; 100 lbs., \$4.00.



German Millet

### Hungarian Millet

(Dark Seed) Often called Hungarian Grass. Many regard this as being better even than German Millet, as it is about one week earlier and requires less moisture. The hay is fine and of excellent feeding value.

It is especially valuable on account of requiring such a short season to make a fine crop of most excellent hay. For this reason it is much used as a catch crop. It can be sown as late as the 4th of July with good results in ordinary seasons. It is much used for following such crops as early potatoes and barley for a crop of hay, thus giving two crops on the same land in one year. Hungarian Millet does not grow so coarse as some other varieties, but still yields quite heavily, from two to four tons of hay to the acre being an ordinary crop. Hay is quite leafy, of very fine quality.

Cat. No. 141B—1 lb., 20c; (postpaid). Express or freight, ¼ bu., 65c; ½ bu., \$1.50; 1 bu., \$2.00; 100 lbs., \$4.00.



### Russian Flax (Northern Grown)

PURE, GENUINE AND UNADULTERATED

When sowing flax seed be sure you get it absolutely pure. There is perhaps no seed more liable to be impure than flax. Quite 75 per cent of the samples sent in to us have contained a very large percentage of foreign seed, principally wild mustard. No practical farmer requires to be told by us what it would mean to his farm if he were to unknowingly sow down a few acres of flax that contained wild mustard seed. To sow mustard seed is to reap the whirlwind. If you are sowing down seed this season let us caution you to be sure to get reliable Northern Grown Seed, pure, plump, and of high germinating power. All our seed is thoroughly re-cleaned and tested and can be depended upon to produce the highest yields.

Cat. No. 142B—Per 1 lb., 20c; 3 lbs. 45c (postpaid); pk., 90c; 1 bu., \$3.00; 2 bu. or more, \$2.90 per bu.

Ask us for special prices on large quantities.

### SORGHUM OR SUGAR CANE (Fodder)

We most earnestly urge upon the farmers all over the Northwest the real importance of growing Sorghum. There is a wide range of uses to which it may be put, and is of great value in each case. As a soiling crop, Sorghum will always prove valuable, because at least two crops can be raised from one sowing. Milch cows are very fond of it, and for milk-producing qualities it is excellent, furnishing a large quantity of rich food. As a pasture crop for cattle, sheep and hogs it has no equal. When grazed down it will quickly spring up again, thus a large amount of pasture may be obtained at a season when forage is scarce. As a fodder crop it furnishes an enormous amount of feed, producing a richer and more nutritious feed of greater value than Fodder Corn. Sorghum can be profitably grown in all sections where corn is produced, withstanding drought better than corn. Sorghum has not only taken front rank as one of the greatest forage plants, but is also extensively raised for Sugar or Syrup.

There are two ways in which Sorghum may be sown: one is by broadcast, seeding 1 to 2 bushels per acre, according to the strength of your land. It can be sown any time from the 1st of May to the 1st of July, and can be grown on the poorest land and thinnest soil you have. Sorghum may also be planted with a grain drill, all tubes in use, and 50 to 60 pounds of seed to the acre will usually suffice. When grown in single rows with space between them, a less quantity of seed than above mentioned will be sufficient, depending upon the distance between the rows. Sorghum is generally cut with a mower late in the fall like grass, then cured, which requires a longer time than hay.

Cat. No. 144B—Price 1 lb., 20c (postpaid). Express or freight, 1 lb., 10c; 10 lb., 60c; 1 bu., \$2.00; 100 lbs., \$3.90.

#### HOW TO SOW

When sown alone about two bushels are required to the acre. Peas and oats are frequently sown together, using one and one-half bushels of peas and two bushels of oats to an acre. By so doing a double crop can be threshed at one time and readily separated in cleaning.

They can be sown alone or with oats and fed green. An enormous amount of fodder can be obtained in this way, when sown together. The peas should be sown first and plowed under, about four inches deep, the oats may then be drilled in.

Field peas should always be inoculated with "Nitragin" before sowing, as it increases their producing capacity. Field peas are an ideal crop for getting your land into condition for Alfalfa.

Cat. No. 143B—Price, 20c pound postpaid; by freight, ¼-bu. 90c; 1 bu. (60 lbs.) \$2.95; 5 bu. lots \$2.85; 10 bu. and over \$2.75 per bu. Subject to change.

Don't Overlook "Nitragin," Page 25

All Above Prices Subject to Change



### CANADIAN FIELD PEAS

(Galloway-Bowman's Selected)

VALUABLE FOR FORAGE, HAY AND PASTURE

As showing the extraordinary demand there is for the Canadian Field Pea, we would like to say that last season we sold three times as many as all the other field peas and beans combined and we anticipate a tremendous demand next season. When we consider the extraordinary value of this crop, it is not to be wondered at that the demand each year increases by leaps and bounds. These fine hardy peas will grow and produce, where many other varieties completely fail.

GOOD IN COOL CLIMATES

They are an ideal crop for our North Western climate, they will flourish in districts too cool and uncertain for corn. For soiling, plowing under or as green manure, no crop is of more importance.

#### READ THIS

I am wonderfully surprised at my crop of field peas. Where I used the inoculated seed the peas are 100 per cent better than where peas were not inoculated. While the seasons have not been favorable this year, I don't think I will ever plant any more peas without inoculating them with your "NITRAGIN."

J. L. PAULK,  
R. F. D. No. 1.

Opp, Ala.

Pea hay, cut green and well cured, approaches clover in feeding value and is more relished by horses, cattle and sheep, than the straw of any other of the small grains. Field peas when sown with oats or barley, for forage, hay or pasture, make an excellent combination and is much relished by all kinds of stock.





Professor  
M. L. BOWMAN

# SEED CORN

## SHELLED CORN

**NOTICE.** In compliance with many requests from our customers, we have arranged to supply seed corn shelled as well as on the ear. We, however, have determined to handle only the best shelled corn procurable, the ears must be hand-picked, butted and tipped before shelling and must be of the highest percentage of germination, therefore our customers can rely positively when ordering shelled corn upon getting the best possible. All our seed corn is grown by reliable growers in our latitude and our customers can rely upon this corn giving complete satisfaction practically anywhere in the corn belt.

Price, per bu., Crated, and every ear tested ..... \$5.00  
 Price, per bu., Shelled ..... 3.00  
 Price, per 1/2 bu., Shelled ..... 1.60  
 Price, per 1/4 bu., Shelled ..... 1.00

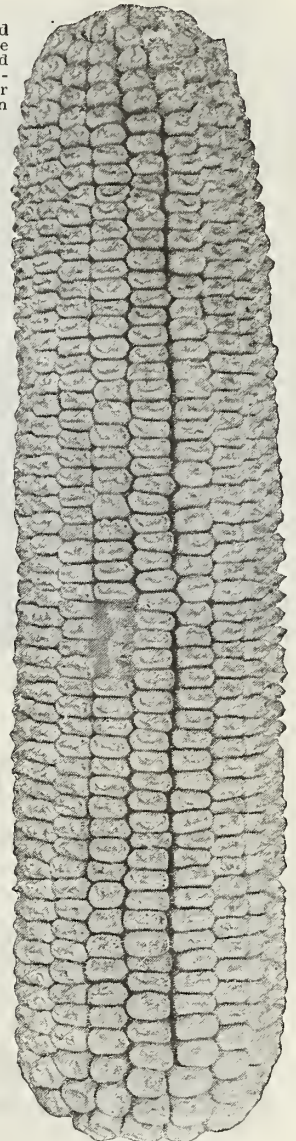
## SEED CORN

We handle nothing but first class seed corn, the same kind that we would want you to furnish us with if we were the purchasers. We realize the importance of good seed corn. You know that to secure the best results you must secure your seed corn from a latitude similar to your own, or farther north. You know it does not pay to send away south for seed corn for it is most sure of being caught by frost. Our Northern Iowa grown seed corn has matured as far North as Minneapolis and has given finest kind of satisfaction as far South as Texas. Our customers all over the East also report fine success with it.

If you are looking for just common or ordinary corn, just something to plant, please do not send to us, we do not handle this inferior grade of seed. We sell nothing but strictly tested first class seed, the only kind that can be depended upon to give the purchaser satisfaction. Our seed is raised by the very best seed corn growers in the corn belt and we can recommend it even to the most critical corn grower. Take it home, look at it, test it. If you are not thoroughly satisfied with it, ship it back and we will pay the freight both way. This is a fair offer.

There is no other seed company in the world that is handling seed corn on the same basis as we are. It cuts profits in two, but we would rather have the lesser margin of profit and send out reliable seed corn. We know our friends will appreciate our efforts to play the game square. We could scoop corn out of a crib, shell it and grade it and sell it to you for a little above market value, but we are not doing business that way. We contract for our supply of corn from the very best corn growers and breeders in the corn belt and know that when you order corn from us, you are getting some of the best that money can buy. When we send you a bushel of corn, we send it feeling sure you will be pleased with the results..

We anticipate a very great demand for our pure bred corn and we may not be able to fill all the orders sent to us. We will fill all orders in strict rotation as they are received, therefore get your orders in as early as possible and avoid disappointment. Remember, when you buy a bushel of our seed corn, you are planting your field with reliable, tested seed, at a cost of only 50c per acre.



G:B Special Selected  
Boone County White

## OUR LIST OF VARIETIES

### REID'S YELLOW DENT

#### BOWMAN'S SPECIAL SELECTED

This is one of the very best yellow varieties known in the Corn Belt. The last few years it has won more grand championship prizes than possibly all the other varieties put together. It is not adapted to the extreme northern portion of the Corn Belt, but is particularly adapted to the central portion of the Corn Belt and farther south. It has been grown with marked success all through the southern two-thirds of Iowa, extending on east and west in the Corn Belt and farther south. Big ears of medium size remarkably uniform and of a bright yellow color with solid deep grains and with a small red cob. The ear is of medium length, measuring from eight to ten and one-half inches long with from eighteen to twenty-four rows of kernels on the cob. It is one of the highest selling varieties of corn known. The name is well known in the Corn Belt and is a favorite among a large percentage of our best corn growers. Remember we secure our stock of seed only from breeders of repute. We guarantee it to you. It must be good or you can return it without expense to yourself.

Cat. No. 119B.

### MINNESOTA NUMBER THIRTEEN

A rich yellow ear of from sixteen to twenty rows and very early maturing. It is a heavy yielding variety and largely grown throughout the state of Minnesota through the recommendation of the Minnesota Experiment Station where it was developed.

The ear shows a very pleasing uniformity with a dimpled dent and practically no signs of flintiness. This is one of the earliest yellow dent varieties of corn. It is hardly necessary to call this variety to the attention of those living in the northern part of the Corn Belt where it has long been a favorite. We have carefully selected seeds direct from the best growers of this excellent variety.

Cat. No. 121B.

### SILVER KING

OR

### WISCONSIN NO. 7

We know of no better seed corn for the northern part of the Corn Belt than Silver King, as it is termed in the northern part of Iowa, and Wisconsin, 7, as termed in Wisconsin, where it has been developed under the direction of Professor Moore.

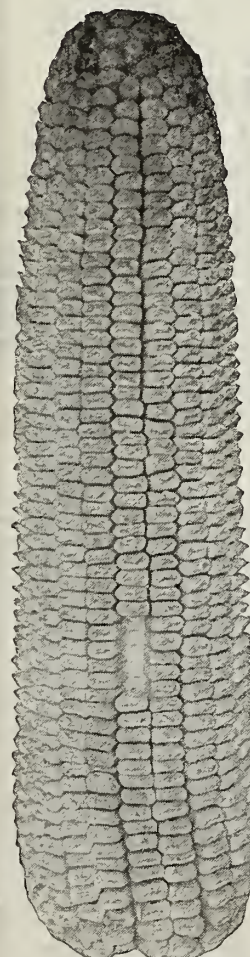
This is a pure white dent corn with ears of good size and inclined to be well filled over the butts and tips. An early variety of corn and a splendid sheller. We unhesitatingly recommend it to any in the Corn Belt living north of about 42 1/2 degrees latitude, a line which would run through the Corn Belt, taking in the northern third of Iowa. Remember if you are in the extreme northern part, we will have corn from our growers which has been tried and will be adapted to your use. There is no corn so well adapted for you as that which has been grown for some time in your own locality. We make it a specialty to furnish corn adapted to your particular conditions.

### BOONE COUNTY WHITE (Galloway

Bros.' Special Selected). Particularly adapted to the southern portions of the Corn Belt. A fine, large, strong, vigorous grower. More particularly adapted to a heavy soil where it is a splendid yielder. The ears are large and pearly white in color, being from nine to eleven inches long, cut off quite squarely both at the butt and tip. In the southern portion of the Corn Belt there is probably no variety of corn so well known, and so well thought of. Again let us call your attention to the fact that your seed corn must be good if you buy it from us. We guarantee it. Our growers are the best in the Corn Belt.

Cat. No. 122B.

To corn growers in Nebraska, Kansas and Oklahoma especially. We wish to let our friends in these states know that we are in line to supply them with just the kind of seed corn they need to insure bumper crops of pure bred seed corn. All our seed corn is grown by specialists and can be depended upon to give entire satisfaction.



"Reid's Yellow Dent,  
Professor Bowman's Special Selected."



## Talk about Mangels! What do You Think of This?

Read this letter over three times, then get out your pencil and figure

Galloway Bros.-Bowman Co., Waterloo, Iowa.

Gentlemen:—I just wish to take this opportunity to say a word with regard to the seeds that I purchased from you last spring.

I have been farming a good number of years and naturally have tried seeds from a great many companies, but I want to say frankly that never in all my experience as a farmer have I heretofore been able to get farm, field and garden seeds that compare with those that I got of you last spring, not only in the quality of the seed itself, but in the splendid results of the crops which they produce.

I never saw such mangels and carrots as those that I produced from your seeds this summer, and I have been raising them for years. Really, I want to say to you that some of my neighbors have said that they could not have believed had they just been

merely told of the magnificent crop I raised from the best seed of yours had they not seen the results with their own eyes.

The mangels went better than 50 tons to the acre, actual weight on the scales, and I claim that is going some.

The seeds that I purchased from you last spring were so satisfactory that I could not think of ordering from anyone else because I found everything to be just exactly as you represented to be and to say that I am very pleased is putting it very mildly.

You will not only get my orders but I will gladly take the time to tell my friends and neighbors where to send and get pure, genuine and unadulterated seeds—the best I ever saw.

Very sincerely,

JOHN ALEXANDEE,

Manager Iowa Dairy Farm, Waterloo, Ia.

### MANGEL WURZEL By Our Seed Expert, Geo. Hall

In our last catalogue our Mr. Wm. Galloway made a personal appeal to the farmers everywhere to put in a patch of our Imported Mangel Wurzel seed. Thousands of farmers answered that appeal and today are witnesses to the fact that there is no more paying crop anywhere than the Mangel Wurzel, but to grow good Mangel Wurzels you must have good seed. There is a whole lot of inferior Mangel seed distributed all over the Continent every year, perhaps you have purchased some and maybe you were so disgusted with the crop that you made up your mind you would quit trying to grow Mangel Wurzels. Now Mr. Farmer let us put you on the right track. You probably did not know when you placed your order for seed that there was any difference in Mangel Wurzel seed. You did not know that in order to grow Mangel Wurzels successfully you must sow Imported seed, but you certainly must or you will be doomed to disappointment.

The Imported Mangel Wurzel seed we offer is grown for us under contract in England by experts in that line. The seed is saved from selected roots only, all of which are transplanted for seed. When selecting roots for seed every care is taken to select only roots that are perfect in every way. They must be perfect shape, even weight, true to color and absolutely free from all signs of disease. So careful are the experts in their work that sometimes a whole acre of land

will only produce a hundred roots considered by them good enough for seed. As a consequence good Mangel Wurzel seed is always a little higher in price than the common seed, but there can be no doubt as to the difference in quality and yield. While the Imported seed will produce from 40 to 80 tons of valuable stock feed to the acre, the common seed will at the best produce only 5 or 6 tons of very doubtful feed, consisting as a rule of small useless Mangels mixed with sugar beets and hybrid table beets.

There are about twenty-four varieties of Mangel Wurzels catalogued by seedsmen, many of which are but strains of the same kind bearing the name of the grower who by careful cultivation has endeavored to improve it. Now we don't offer you two Mangel Wurzels alike, each one is distinct in some way or another. If you are a dairy man then we say to you put in a batch of our Goldfinder Yellow Globe or Giant Golden Tankard; both are excellent for milch cows and are in fact better than any of the other varieties because of their milk enriching qualities. They make more and better cream. They are different only in shape. The Goldfinder Yellow Globe is perfectly round while the Giant Golden Tankard is as its name suggests half long in shape; both are very heavy yielders; under ordinary conditions should yield not less than 40 tons of roots to an acre.



Pure Genuine and Unadulterated Seeds that Grow



The pictures shown at the top of this and the opposite pages are from actual photographs on W. W. Marsh's famous Dairy Farm, Waterloo, Iowa, the home of the famous Guernsey cow, Dairy Maid, of Pinehurst. The four mangels held by Mr. Alexander, the manager, weigh over 20 lbs. each, and this field went 50 tons to the acre. Figure it up yourself at \$10 a ton. Does it pay to put in mangels in Iowa? Be sure and read Mr. Alexander's letter on opposite page. These fields are from our seed, the famous Imported Mammoth Long Red and Golden Tankard Mangels.

### Mangel Wurzel—Continued

For hogs, sheep, horses, chickens, ducks, etc., we would urge you to put in the Mammoth Long Red or Eckendorfer Giant Red, both fine roots. They grow to an enormous size. We ourselves have had roots weighing 28 lbs. and over this fall. They yield very heavily. Right here in Waterloo at the Iowa Dairy Farm the mammoth long red Mangel grew 52 tons of splendid roots to the acre as pictured in field above. These were grown from imported seed supplied by us. On the same farm the Goldfinder Yellow Globe did equally as well from our imported seed.

Any land that will grow a good crop of corn will produce a fine crop of Mangels. 40 to 50 tons to an acre is an ordinary yield, while with good culture much heavier yields can be obtained. No crop pays the farmer and stock raiser better. They make the cheapest food for all kinds of live stock. It is claimed that 1 bushel of corn and 2 bushels of Mangels is equal to 3 bushels of corn. Just think of it, Mangels can be raised at a cost of only about 5 cents per bushel. Can you afford to be without them? We think not.



No. 3.

Scene on the Iowa Dairy Farm. Putting up mangels for winter. Imagine a pit 100 ft. long, 4 ft. deep and 16 ft. wide filled to the top with mangels from only a few acres. Imagine what this means to you and your live stock for winter feed. You wonder that some people make a big success of the dairy business and some don't. The answer is easy. The successful man is the mangel grower.

### Notice—Read This!

I personally would like to see every farmer who has a few cows, chickens or pigs to put in a patch of mangels from our Fresh Imported Mangel Seed as illustrated on these two pages.

Why? you say!

Here is the reason. Experience has proven that animals, the same as people, demand and need this kind of food. Everybody puts up fruit in the summer time and nothing is relished any more at the table in winter and spring; people crave it and must have it.

It is exactly the same way with chickens, cattle and hogs. Why do some people get more eggs in winter and spring than their neighbors? Just because they feed the chickens what they demand and crave. Your chickens will not do their best on ground feed and dry grain. Give them some good, cheap vegetable to fill in, like mangels. It's exactly the same way with hogs. Many a man has lost his whole herd because he did not provide them with the proper vegetable food. Mangels fill the bill, and the medicinal qualities as well as feeding qualities should be considered.

Now for the cows. A good dairy cow is nothing more or less than a machine turning feed and water into milk. You put up silage for them. It's good and pays, but why not have a pit full of fine mangels to feed them next winter and spring? All up-to-date dairymen feed mangels because it pays. Why not try some this year? In Europe nearly every farmer raises mangels and the up-to-date farmers in the United States are fast finding out their great value. Try enough for at least one acre. It will pay you well. I am going to put in a large patch this spring on my own dairy farm, where I raise Ayershire and Holstein Cattle, Hampshire Hogs and White Leghorn Chickens and I personally want to see every farmer who has cows, hogs and chickens do the same. Try enough for 5 or 10 acres.

WM. GALLOWAY.



Fay Jewel Beauty 59866. William Galloway's famous Holstein Show Cow. Grand Champion of the National Dairy Show 1911. First and Grand Champion Waterloo Dairy Show 1912. Part of the daily bill of fare of this famous cow is mangels and Mastodon carrots grown from Galloway Bros.-Bowman Co. Pure, Genuine and Unadulterated Imported Seeds.

### Improved Golden Tankard

Imported European Stock.

This fine Mangel Wurzel is a prime favorite with Dairymen and Farmers in Europe where it is very extensively grown. It combines apparently all the fine points possible to condense into a Mangel. The color is a deep rich yellow, the flesh is firm and solid and a rich golden yellow in color, just the root for your milch cows. A ration or two a day will add richness to the color of your cream and keep your cows in prime condition and in addition will cut down your feed bill to one half. If you are a dairyman you should not miss this opportunity of saving money. Give your stock one-half dry feed and one-half Mangels and just note how they will thrive; it will astound you.  
Cat. No. 151B—Price: 1 oz., 10c; ¼ lb., 20c; 1 lb., 50c (postpaid); 6 lbs. (sufficient for one acre), \$2.40, by express or freight.

### Eckendorfer Giant Red

Imported European Stock—See Opp. Page.

One of the most popular varieties of Mangels grown in Germany, in which country root crops are grown upon a very large scale. After extensive trials it has proved itself to be a very satisfactory variety for this country. The roots are smooth, long and cylindrical in shape, very much after the style of the Golden Tankard Mangel. They are very heavy, weighing from 16 to 20 pounds each. The flesh is firm, crisp and solid, white in color and of very high feeding value. Like the Mammoth Long Red the roots grow well up out of the ground and are easily harvested.

Cat. No. 152B—Price: 1 oz., 10c; ¼ lb., 20c; 1 lb., 50c (postpaid); 6 lbs. (sufficient for one acre), \$2.40.



Howie's Ladylike Imported, 21432. Grand Champion Waterloo Dairy Show 1911.

Mangels to a cow like this and to any cow on your farm is relished the same as a healthy man would relish a piece of apple pie at the end of a meal.

Why not put in a few acres of mangels and treat your cows to something that will make them give milk?

### Mangel Wurzels

**Culture** Sow in the spring as soon as the soil is warm, in drills 2 to 3 feet apart between the rows; cover the seed with one inch of soil. The seed bed should be a nice mulch, free from hard lumps. Thin the plants to about 10 to 12 inches apart in the rows, sow 6 lb. of seed to an acre. If very dry soak the seed 24 hours in luke warm water. Harvest just before frost. Cut off the tops and store roots in cool cave or cellar. Cut up and feed 10 to 20 lbs. per day. Mangels do not taint the milk.

### For Pasture

There is a growing tendency on the part of any stockman to grow mangels to pasture during the fall when grass is usually short.



Just try enough mangel seed to put in an acre; for the same space on your farm nothing will produce you so much stock food. They are easy to grow, easy to harvest and reasonably sure in either dry or wet season.

G-B Goldfinder Imported Yellow Globe

Positively the best Mangel for shallow or medium shallow soils.

### Galloway-Bowman's Goldfinder Yellow Globe, Imported European Stock

This grand Mangel Wurzel is claimed by expert dairymen to be the best for their purpose. They claim for it that it contains more nutritive matter than any other variety; that it increases the flow of milk, improves its quality and color, keeps the milch cows in good condition throughout the winter and spring.

This variety has a very small top and few leaves. The root is medium sized, globe shaped, has a very small tap root, is free from side roots, grows almost entirely above ground, making them very easy to harvest and specially suitable to shallow ground. The roots are a rich golden yellow color, the flesh is very crisp and sweet. Goldfinder Yellow Globe is a very heavy cropper, 40 to 50 tons per acre being quite an ordinary yield. An excellent keeper.

Cat. No. 153B—Price: 1 oz., 15c; ¼ lb., 25c; 1 lb., 65c (postpaid); 6 lbs. (sufficient for one acre), \$3.25, by express or freight.



Pure Genuine and Unadulterated Seeds that Grow



**Eckendorfer  
Giant Red**

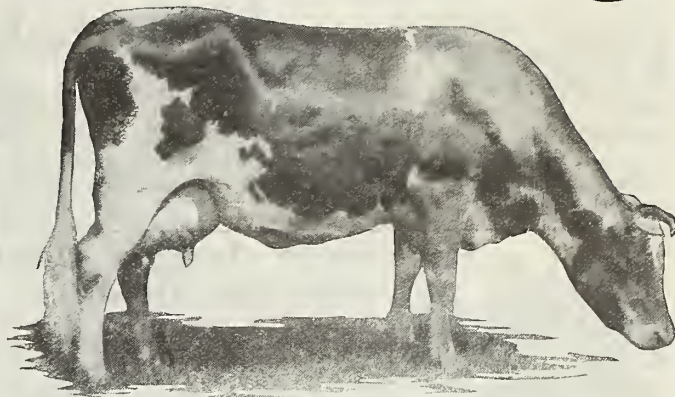
We sell only one quality seeds absolutely and positively the best, no second or third grades

**Galloway-Bowman  
Mammoth Long  
Red-Imported**

This is the heaviest yielding of all the Mangel Wurzels, a thousand bushels to the acre being quite a common yield, single roots sometimes weigh as high as 40 lbs. each. Three parts of

the root is above ground making them just as easy to harvest as the Globe type. Our stock is absolutely distinct from the old long red type which was an ugly uneven root. Our Imported Mammoth Long Red produces large, uniformly straight, well formed roots and can always be relied upon to produce a bumper crop of clean, sweet, crisp roots; just the kind of feed that cattle delight in. There have been some excellent crops of this fine Mangel Wurzel grown in Iowa this year. We have had some splendid reports from our customers. At the Iowa Dairy Farm, right here in Waterloo, our Imported Mammoth Long Red Mangel made a yield of between 50 and 60 tons to the acre, some roots weighing up to 28 lbs. each. There certainly is a whole lot of good money in Mangels and we want you to get some of it. Try 5 or 10 acres.

Cat. No. 155B—Price, 1 oz., 10c; ½ lb., 20c; 1 lb., 50c (post-paid); by express or freight, 6 lbs. (for one acre), \$2.40.



Dairy Maid of Pinchurst, the famous undefeated World's Champion Guernsey Show and Milk Cow, owned by W. W. Marsh, the great manufacturer, Waterloo, Iowa. Part of the daily ration of Dairy Maid of Pinchurst is pure fresh Mangels and Mastodon Carrots.

**Galloway-Bowman Sugar  
Beets**

Imported Stock

**IMPORTED GIANT FEEDING SUGAR BEET OR HALF SUGAR MANGEL (GALLOWAY-BOWMAN'S SELECTED).** Grows almost as heavily per acre as the largest Mangel Wurzels; grows partly out of ground and is easily pulled; a highly profitable variety to grow.

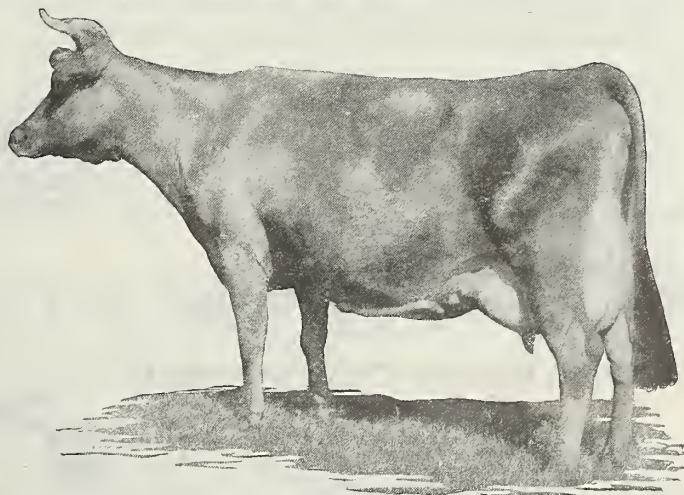
Cat. No. 156B—Price, 1 oz., 10c; ½ lb., 20c; 1 lb., 50c; by freight or express, 6 lbs., \$2.40.

**IMPORTED KLEIN WANZLEBENER (GALLOWAY-BOWMAN'S SELECTED).** One of the greatest milk producing roots in cultivation. While the yield is not perhaps quite equal to the largest Mangels, yet the feeding value is so much superior that every stock raiser should plant liberally of this grand stock.

Cat. No. 157B—Price, 1 oz., 10c; ½ lb., 20c; 1 lb., 50c; by freight or express, 6 lbs., \$2.40.

**IMPORTED VILMORINS IMPROVED WHITE (GALLOWAY-BOWMAN'S SELECTED).** Of medium size and brought by careful selection to the highest perfection, both in shape and color of roots; one of the finest for stock feeding owing to the high percentage of sugar it contains.

Cat. No. 158B—Price, 1 oz., 10c; ½ lb., 20c; 1 lb., 50c; by freight or express, 6 lbs., \$2.40.



Jersey cow owned by R. H. Shoemaker, Waterloo, Iowa, manager of Kimball's Dairy Farmer, the famous dairy publication of Waterloo. Mr. Shoemaker like all other dairy men believes in mangels.



# Vegetable Plants

We are able to offer our customers a selection of good strong plants for delivery as soon as they are ready in the spring. Customers would oblige by placing their orders early so that we can arrange for a sufficient supply. We expect to be able to supply most of the plants offered by about May 10th, Celery and Egg Plants by June 6th.

	Postpaid	By Express, your expense
Cabbage Early, any variety in Catalog...	100 \$0.35	1,000 \$6.00
Cabbage Late, any variety in Catalog...	100 .95	1,000 6.00
Cauliflower, any variety in Catalog...	100 1.25	1,000 7.50
Celery Early or Late, any variety in Cat...	100 1.25	1,000 7.50
Tomato Early or Late, any variety in Cat...	1 doz., 25c	100 1.20
Egg Plant, New York Purple...	1 doz., 60c	
Sweet Potatoes, Yellow Jersey, 50 for 35c; 100 for \$1.25; 1,000 for \$3.		



## Save Your Tender Plants with Bug Death

This vermin killer is quite harmless to plants or animal life, but will certainly prove thoroughly effective in ridding your plants of bugs, worms and other destructive pests. Can be used dry or with water. Apply when the first tender shoots come through.

Price, 1 lb. can, 30c (postpaid). By ex-

press, 1 lb., 15c; 3 lb., 35c; 5 lb., 50c.

## Fertilize Your Plants "STIMULATO" (Makes 'Em Grow)

An excellent garden fertilizer, suitable for vegetables, flowers, and fruits. An occasional application will stimulate your plants to a surprising degree, and greatly repay for the outlay of money.

Prices: 5 lb. bag, 35c (sufficient for 200 sq. ft.); 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.

# The Greatest Garden Tools in the World PLANET JUNIORS



Price, Complete, \$10.50  
Weight, 53 lbs.  
As a Seeder, Only \$8.50  
Holds 2½ Quarts  
of Seed

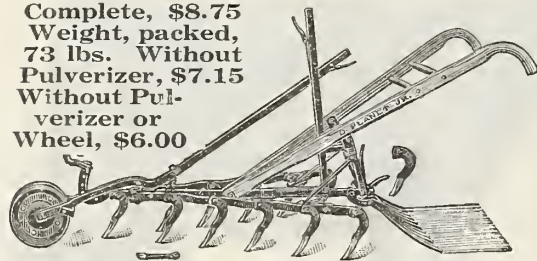
## Combined Hill and Drill Seeder Wheel Hoe Cultivator and Plow

This tool combines in a single convenient implement a capital hill dropping seeder, a continuous row seeder, a fine single wheel hoe; an excellent furrower and a rapid and efficient wheel garden plow.

It drops with accuracy in hills 4, 5, 8, 12 or 24 inches apart. Equipped with an automatic feed.

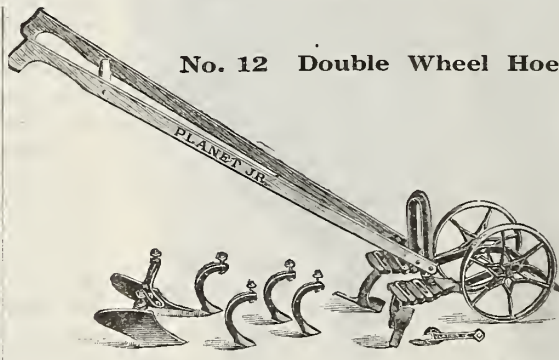
It is without an equal for easy adjustment, lightness, strength and durability.

Complete, \$8.75  
Weight, packed, 73 lbs. Without Pulverizer, \$7.15 Without Pulverizer or Wheel, \$6.00



## 12 Tooth Harrow Cultivator and Pulverizer

With the 12 tooth harrow you go as deep or shallow as you like, come up close to the row, cut out all weeds, stir, mellow and fine the soil as with a rake. You can widen or narrow anywhere from 12 to 32 inches. Most excellent for strawberry cultivation.



No. 12 Double Wheel Hoe

## Double Wheel Hoe

This double wheel hoe is a great improvement over old makes, and it is practically indestructible. The frames can be set at different heights, so as to suit each kind of depth of work and change of teeth can be made in a few seconds.

They are complete in each detail, adapted to a great many kinds of work and will pay for themselves in a single season.

Price, \$6.50, packed weight, 33 lbs.

## Single Wheel Hoe Cultivator Rake and Hoe

Price \$5.00 Complete



## Single Wheel Hoe Cultivator

A decidedly useful tool on account of its adaptability to all kinds of work. It carries all the tools necessary for the thorough upkeep of the soil. The handles are adjustable to height. The frame is steel, convenient and strong, with quick change decree, by which to exchange the tools without removing bolts and nuts. All the steel parts are light carbon steel oil tempered.

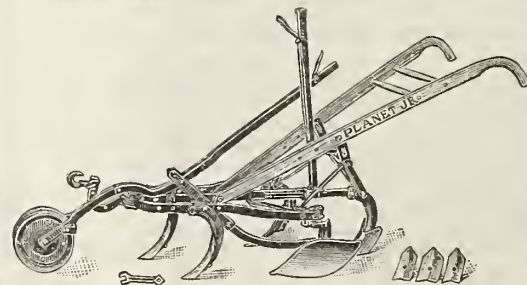
Price, \$5.50 each. Packed weight, 25 lbs.

## Horse Hoe and Cultivator

This is the general favorite and has the general equipment shown at the left. They are especially fine for potatoes, corn, beans and all market and family garden crops, and in the south they are the recognized standard for cotton, coffee, sugar cane, etc.

It is strong, easily handled and well braced so as to make an unyielding tool for long service.

Price, \$8.75, packed weight, 83 lbs.



Ask for Complete Planet Jr. Catalog

# Vegetable Seed



## OUR FAMOUS GARDEN SEED COLLECTIONS

The extraordinary demand for our garden seed collections last year encourages us to again offer them. We have decided to send out the same collections again this year with the addition of a special 50c collection for the boy at home. We feel sure this last collection will be even more popular than the ones previously offered. We feel confident that parents will grasp this opportunity of encouraging their sons to become producers of good home grown vegetables. They are so much more welcome than the musty stuff, so often purchased from stores.

All our collections are made up out of our choicest stocks and can be depended upon to produce only the best and choicest vegetables, just the kind the housewife delights to have on hand. Busy customers will find this a convenient way of ordering their spring supply of seed.

These collections cannot be changed as they are already packed.

### \$1.00 Collection for Only 75c

- 1 large pkt. Golden Wax Beans.....\$0.10
- 1 large pkt. Beet, Crimson Globe......05
- 1 large pkt. Cabbage, Early Winingstadt......05
- 1 large pkt. Cucumber, Short Green......05
- 1 large pkt. Carrot, Chantenay......05
- 1 large pkt. Sweet Corn, Golden Bantam......10
- 1 large pkt. Lettuce, Prizehead......05
- 1 large pkt. Water Melon, Ice King......05
- 1 large pkt. Onion, Southport Red Globe......10
- 1 large pkt. Peas, American Wonder (dwarf)......10
- 1 large pkt. Radish, Crimson Globe......05
- 1 large pkt. Tomato, Dwarf Champion......10
- 1 large pkt. Turnip, Early Snowball......05
- 1 large pkt. Celery, Solid Crystal White......10

Collection No. C100 \$1.00

### \$2.50 Collection for Only \$2.00

- 1 large pkt. Beans, Improved Stringless Green Pod.....\$0.10
- 1 pt. pkt. Beans, Improved Golden Wax......25
- 1 oz. Beet, Galloway-Bowman's Perfection......25
- 1 large pkt. Cabbage, Imported Hollander......10
- 1 large pkt. Celery, Solid Crystal White......10
- 1 large pkt. Cucumber, Champion Pickler......05
- 1 oz. Carrot, Imported Danvers Half Long......15
- 1 pt. Sweet Corn, Stowell's Evergreen......20
- 1 large pkt. Lettuce, Grand Rapids......05
- 1 large pkt. Musk Melon, Rockyford......10
- 1 large pkt. Water Melon, Kleckely's Sweet......05
- 1 oz. Onion, Southport Red Globe......30
- 1 large pkt. Parsley, Champion Moss Curled......05
- 1 large pkt. Parsnip, Waterloo Marrow......05
- 1 pt. Peas, Little Gem (first Early Dwarf)......35
- 1 oz. Radish, French Breakfast......10
- 1 large pkt. Squash, Warded Hubbard (Green)......05
- 1 large pkt. Tomato, Galloway-Bowman's Matchless......10
- 1 oz. Turnip, Purple Top Strapleaf......10

Collection No. C101 \$2.50

### Special \$5.00 Collection \$4<sup>00</sup> for Only

- 1 pt. Beans, Galloway-Bowman's King of the Limas.....\$0.28
- 1 pt. Beans, Galloway-Bowman's Improved Stringless Green Pod......28
- 1 pt. Beans, Galloway-Bowman's Improved Golden Wax......28
- 1 oz. Beets, Galloway-Bowman's Perfection......25
- 1 larke pkt. Cabbage, Galloway-Bowman's True Imp. Hollander......10
- 1 large pkt. Cabbage, Galloway-Bowman's Early Winingstadt......10
- 1 large pkt. Celery, Galloway-Bowman's Golden Blanching......10
- 1 large pkt. Cucumber, Galloway-Bowman's Imp. Long Green......10
- 1 large pkt. Cucumber, Galloway-Bowman's Champion Pickler......05
- 1 oz. Carrot, Galloway-Bowman's Improved Danvers Half Long......15
- 1 oz. Carrot, James Scarlet Intermediate......15
- 1 pt. Sweet Corn, Peep O'Day......20
- 1 pt. Sweet Corn, Stowell's Evergreen......20
- 1 large pkt. Lettuce, Galloway-Bowman's Pride of Iowa......10
- 1 large pkt. Lettuce, Galloway-Bowman's Grand Rapids......05
- 1 pkt. Musk Melon, Galloway-Bowman's Improved Rockyford......10
- 1 pkt. Water Melon, Galloway-Bowman's Kleckely's Sweet......05
- 1 oz. Onion, Galloway-Bowman's Southport Red......30
- 1 oz. Onion, Galloway-Bowman's Southport White......30
- 1 large pkt. Parsley, Galloway-Bowman's Champion Moss Curled......05
- 1 large pkt. Galloway-Bowman's Waterloo Marrow Parsnips......05
- 1 large pkt. Pumpkin, Sugar or Pie......05
- 1 pt. Peas, Galloway-Bowman's American Wonder (1st crop)......38
- 1 pt. Peas, Galloway-Bowman's Rentpayer (main crop)......38
- 4 oz. Radish, Galloway-Bowman's Early Scarlet Turnip......20
- 4 oz. Radish, Galloway-Bowman's French Breakfast......20
- 1 large pkt. Squash, Galloway-Bowman's Imp. Hubbard Green......05
- 1 large pkt. Tomato, Galloway-Bowman's Matchless......10
- 4 oz. Turnip, Galloway-Bowman's Purple Top Strapleaf......20
- 4 oz. Ruta Baga, Galloway-Bowman's American Purple Top......20

Collection No. C102 \$5.00

## LITTLE GARDENS FOR LITTLE BOYS AND GIRLS

We offer here a collection of choice vegetable seeds specially for the boys at home. We have included only such varieties as we know the boys can easily raise. We feel sure this collection will be welcomed by thousands of our customers, anxious to make an attractive and helpful present to some of their little friends.

Our collection consists of the following 12 LARGE PACKETS:

- |                            |  |   |
|----------------------------|--|---|
| <b>Collection No. C103</b> | 1 pkt. Beans, Golden Wax.<br>1 pkt. Peas, Little Gem.<br>1 pkt. Pop Corn, White Rice.<br>1 pkt. Lettuce, Prizehead.<br>1 pkt. Radish, Scarlet Globe.<br>1 pkt. Beet, Perfection. | 1 pkt. Sweet Corn, Peep O'Day.<br>1 pkt. Water Melon, Tom Watson.<br>1 pkt. Musk Melon, Cantaloupe.<br>1 pkt. Cucumber, Pickler.<br>1 pkt. Onion, Prizetaker.<br>1 pkt. Cabbage, Hollander. |
|----------------------------|--|---|

**THE ABOVE COLLECTION FOR 50c POSTPAID**

Just a little garden  
 For your little boy;  
 Just a little patience,  
 Just a little joy.  
 Just a little money,  
 Sent to us by post,  
 Brings this fine collection  
 Your boy is needing most

# GALLOWAY'S EXTRA SPECIALS

## Galloway's "Dandy" Cucumber

"THE ACME OF PERFECTION." We have been looking for a Cucumber that we could designate Dandy and after careful experiments on our seed Farm we feel satisfied that we have at last found it and we are confident our many thousands of customers all over the States will agree after growing it that the name we give it fits it exactly. It is neither long nor short, but just right; a nice medium cucumber that can be used either for slicing or pickling, is solid and crisp as ice. The seed cells are extremely small; its a fruit that is bound to attract your attention and admiration immediately you see it. The vines are strong and vigorous and very prolific in bearing. A few plants of this beautiful cucumber are sufficient for the needs of a fair sized family. Be sure and have a Dandy crop of cucumbers next summer.

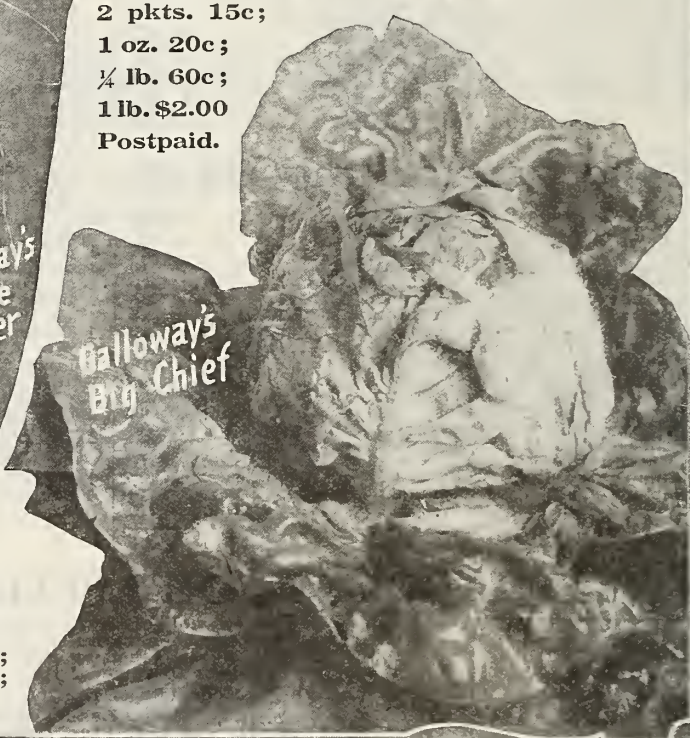
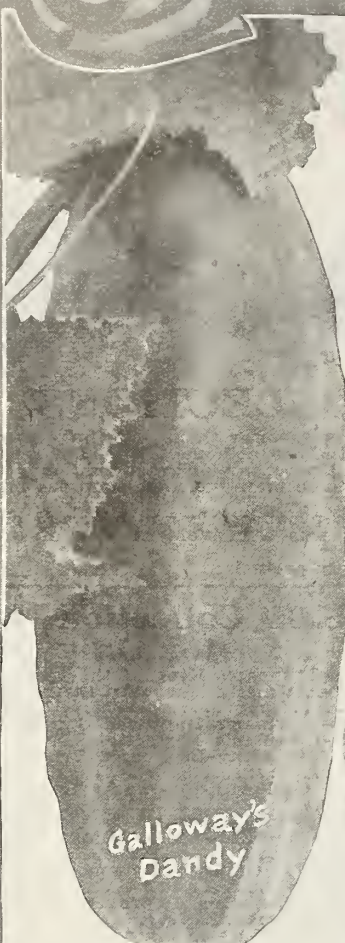
Cat. No. 162B—Large pkt. 10c; 2 pkts. 15c; 1 oz; 20c; 1-4 lb. 50c; 1 lb. \$1.50 (Postpaid.)

## Galloway's Big Chief Lettuce

DELICIOUS, CRISP AND SWEET. This is another of our specials and one we are proud of. It deserves a front place in every garden; although it grows to a large size it has none of that coarseness that is so common with the larger types of lettuce. Its beautiful crimped leaves give it a very attractive appearance; it grows rapidly to maturity, is beautifully tender, has a fine buttery flavor and is nice and crisp; it has in fact all the good qualities most sought for in a really good lettuce.

It is easily grown, will do well in any ordinary soil, is not easily affected either by drought or rain, retains its freshness for a long time after maturity. Owing to its quick development is specially suitable for successional planting. We believe it will be the leading lettuce of the coming season. Don't fail to get your packet early. We expect a great demand for it. All orders will be executed in strict rotation, so post your orders promptly.

Cat. No. 163B—Large pkt. 10c; 2 pkts. 15c; 1 oz. 20c; ¼ lb. 60c; 1 lb. \$2.00 Postpaid.



## Galloway's Little Wonder Carrot

"A PERFECT TABLE CARROT." In our Little Wonder table carrot we are able to offer what we believe to be the best carrot on the market for table use. It is not a long carrot like James Scarlet Intermediate or short like Guerande or Oxheart, but a medium root after the type of Early Nantes, but decidedly less coarse; just the sort of carrot the housewife likes to handle. There is no waste. They are very smooth skinned, therefore easy to wash, beautifully crisp and sweet, with fine grained flesh. They are fit to pull a few weeks after sowing. You can't possibly get a better carrot for the home garden than our Little Wonder. It's the best that grows. Our seed is specially imported by us from one of the best known French Growers.

Cat. No. 164B—Price, pkt. 10c; 2 pkts. 15c; 1oz. 25c; 1-4 lb. 70c; 1 lb. \$2.50 (Postpaid.)

Pure Seeds Mean Big Crops



# GALLOWAY'S EXTRA SPECIALS

## Galloway's Beefsteak Tomato

**"PERFECT BALLS OF SOLID MEAT."** A perfect tomato in every way. Just what you are wanting; perfect shape; good size; coreless and a tremendous cropper; every vine literally weighed down with handsome, perfectly round, smooth fruit. We had a fine batch of our Beefsteak Tomatoes on our Seed Testing Farm and they were a sensation to all who saw them. The vines though strong were scarcely able to bear the weight of the fruit. For slicing there is nothing to equal them. They are perfect and as a canning variety they are sure to be in great demand. If you are an Exhibitor you certainly should not fail to put in a patch of our Beefsteak Tomatoes; they are Prizewinners; they grow to a great size and can be relied upon not to crack. Extra fine flavor. Cat. No. 165B—Price Large pkt. 20c; 2 pkts. 30c; 1 oz. 40c; ¼ lb. \$1.00; 1 lb. \$3.50 (Postpaid.)

Cash in  
the  
Coupon  
Checks

## Galloway's "Eversure" Pea

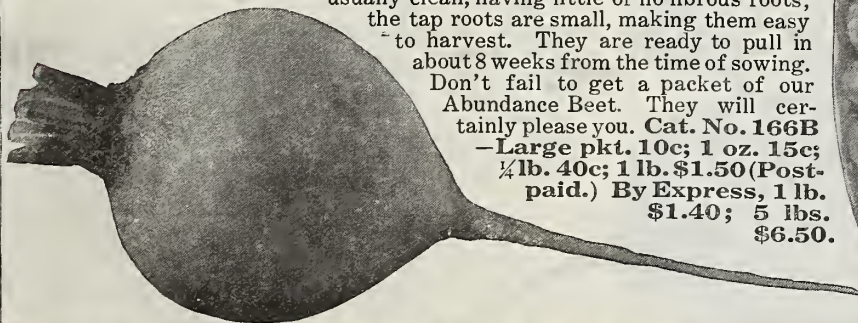
**A GRAND NEW GARDEN PEA.** "Our Latest Sensation." A magnificent new pea that is sure to do well anywhere. It is a first early pea, grows about 2 feet high, very handsome pods, the hardiest pea on the market. We offer this great new pea with perfect confidence that it will please all who grow it. There is no better pea anywhere. It is a tremendous yielder; the vines are literally covered with large well filled pods of most delicious marrowfat peas. You certainly can't go wrong when ordering our Eversure Pea. You will simply be delighted with it. One great advantage about this Pea is that it adapts itself to practically any soil and withstands drought. We strongly recommend this fine pea to growers requiring something good for the home garden or to market gardeners requiring a real good thing for the market. Their handsome appearance will certainly bring for them ready buyers.

Our stock is limited and we would urge upon our customers to place their orders early. Cat. No. 166B—Price ½ Pint Packet 30c; Pint 45c; Quart 85c (Postpaid.) By Express or Freight, Pint 40c; Quart 70c; 4 Qts. \$2.50.

## Galloway's "Abundance" Beet

**"A RECORD BREAKER."** A beautiful beet that is bound to become a great favorite with all beet growers. For slicing, canning or the market this beet stands without a rival. It is not a large coarse root as many so called table beets are but is a medium sized, perfectly round, smooth dark crimson root with practically no core, the flesh is a deep rich crimson, is sweet and crisp; an ideal beet for bunching for the market. They grow very uniform, being as much alike as two peas. They are unusually clean, having little or no fibrous roots; the tap roots are small, making them easy to harvest. They are ready to pull in about 8 weeks from the time of sowing.

Don't fail to get a packet of our Abundance Beet. They will certainly please you. Cat. No. 166B—Large pkt. 10c; 1 oz. 15c; ¼ lb. 40c; 1 lb. \$1.50 (Postpaid.) By Express, 1 lb. \$1.40; 5 lbs. \$6.50.



Pure Seeds are Cheapest



# Asparagus



Bonaveletts Giant Asparagus

## Bonaveletts Giant

The earliest and best of all Asparagus. They come into bearing fully a year in advance of all the older varieties, one year old plants being quite as sturdy as two year old plants of the older varieties. We cannot too strongly urge upon our customers the advisability of putting in a bed of this most delicious spring vegetable. It is generally supposed that Asparagus is hard to grow but this is a mistake. The seed should be soaked in lukewarm water for about 12 hours before sowing; this will assist the germination. Sow in spring in drills about 18 in. apart and 2 in. deep in light, rich soil, sowing about 15 seeds to each foot of drill. When the plants are well up thin to about one inch apart, if thoroughly cultivated during the summer the plants will be ready to set out the following spring.

Cat. No. 168B—Large pkt., 10c; 3 pkts., 25c; 1 oz., 30c; ¼ lb., 55c; 1 lb., \$1.50, postpaid.

## Asparagus Roots

**Culture** Many people prefer Asparagus roots to seed, as it takes about 3 years to obtain tips from seed. When planting strong two year old roots, such as we offer, stems can be cut in one year from time of planting.

A simple way to start the Asparagus bed is to plow furrows 7 inches deep, and 3 to 4 feet apart, set the plants in the trench 12 to 18 inches apart, spread the roots out well and cover with 2 inches of soil, gradually fill up the trench, as the stems grow eventually covering the crowns of the plants to a depth of 6 inches. They should be cut off close to the ground after frost and the surface worked to a depth of four inches. Cultivate in the spring as soon as the soil can be worked.

Price—Bonaveletts Giant, 2 yr. old roots, 25 for 60c; 100 for \$2.00 postpaid; by express or freight not prepaid, 2 year old roots, 85c per 100; \$6.00 per 1000.

# BEETS

**Culture** To obtain best results, beet seed should be sown in deep, rich, sandy loam, sow in rows 18 inches apart, covering about an inch deep, and pressing the soil firmly over the seed; thin out to 5 or 6 inches apart when the plants are well established. The seed should not be sown until all signs of frost are past. June is the best month to sow beets. An ounce of seed will sow 50 feet of drill; 5 pounds will sow an acre. If soil is dry soak seed 24 hours in lukewarm water.

## Galloway-Bowman's Perfection Beet

We have no hesitation in saying that our perfection beet is without a superior in the market. It is rich in color and flavor, is a deep crimson through and through and of perfect shape; an ideal beet for pickling. We have tried these beets on our experimental farm and unhesitatingly recommend them as the very best for all purposes. It is unsurpassed in quality.

Cat. No. 169B—Large pkt., 10c; 2 pkts., 15c; 1 oz., 20c; ¼ lb., 60c; 1 lb., \$1.75, postpaid.

## To Market Gardeners

Make out your large seed list and let us give you our best prices on your requirements, we want your order.



Get your order in early. You can't always get seed like ours.

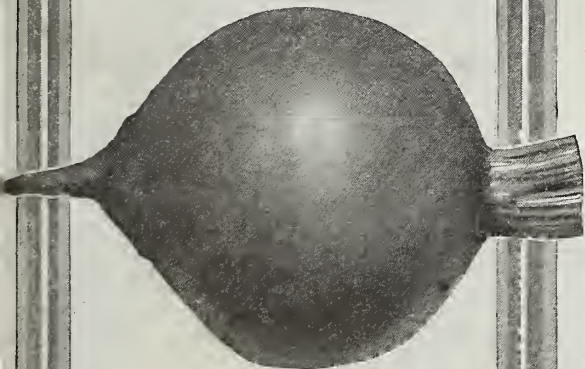
Baker, Oregon, 8-19-1912. The seeds I received and planted proved very good and they came up nicely. I was very much pleased with them. Very sincerely, Julia A. Brown.

Ferndale, Calif., 9-8-1912. In regard to the garden seed will say the beet seed germinated well and growing nicely. Robt. H. Flowers.

Grafton, W. Va., 8-11-1912. The seed I sold was very satisfactory and produced much. Yours very truly, Alfred Morgan, 357 W. Main St.



Galloway's  
Egyptian Turnip Rooted  
Beet



Galloway's  
Crimson Globe  
Beet



Galloway's  
Long Smooth Blood

### Galloway's Egyptian Turnip Rooted

A standard sort of great merit, about a week earlier than the old blood turnip variety, exceptionally fine for forcing or for early outdoor crops. Roots are a nice, rich, crimson, tap roots very small and clean; a very desirable beet for the Market Gardener, owing to its early maturity. Cat. No. 170B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

### Galloway's Crimson Globe

A very fine variety. It is one of the best of the dark fleshed globe shaped beets for the Market Gardener or for general use. This stock is specially selected for us by one of the leading growers and we are confident will give entire satisfaction wherever grown. Cat. No. 171B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

### Galloway's Long Smooth Blood

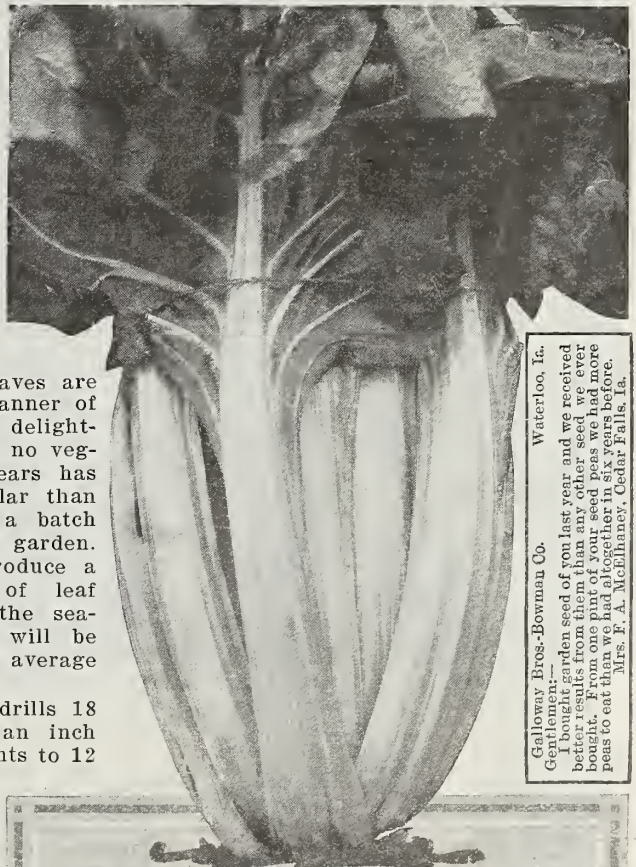
This is the finest of all the long beets, although not grown here so extensively as the round or turnip variety. It is in every respect equal in color and flavor and is ideal as a table beet. It is universally grown in Europe both for the market and the home garden. This fine beet is often confounded with the coarse, long, or medium long, red Mangel Wurzels, which are useful only as cattle feed. Our Long Smooth Blood Beet is quite distinct and produces only fine smooth beets of table size. The flesh is a fine deep color and of delicious flavor and compares favorably with the very best of the round or turnip shaped varieties. When this beet is better known we feel confident it will become a great favorite with all beet growers. We cannot too strongly advise you to put in a trial patch. Cat. No. 172B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 10c; ¼ lb., 30c; 1 lb., \$1.10, postpaid.

### Swiss Chard or Spinach Beet

This variety is quite distinct from the edible rooted type of beet. It is grown for its leaf, stems and ribs which are cooked and served in the same way as asparagus. The leaves are cooked after the manner of spinach and make a delightful dish. Probably no vegetable in recent years has become more popular than the Spinach Beet, a batch should be in every garden. As these plants produce a perpetual supply of leaf stems throughout the season a few plants will be found ample for the average home.

Sow in May, in drills 18 inches apart and an inch deep. Thin the plants to 12 inches apart and cultivate the same as for table beet.

Cat. No. 173B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.



Swiss Chard or Spinach Beet

Galloway Bros.—Bowman Co. Waterloo, Ia.  
Got my garden seed of you last year and we received better results from them than any other seed we ever bought. From one pint of your seed peas we had more peas to eat than we had altogether in six years before.  
Mrs. F. A. McElhenny, Cedar Falls, Ia.



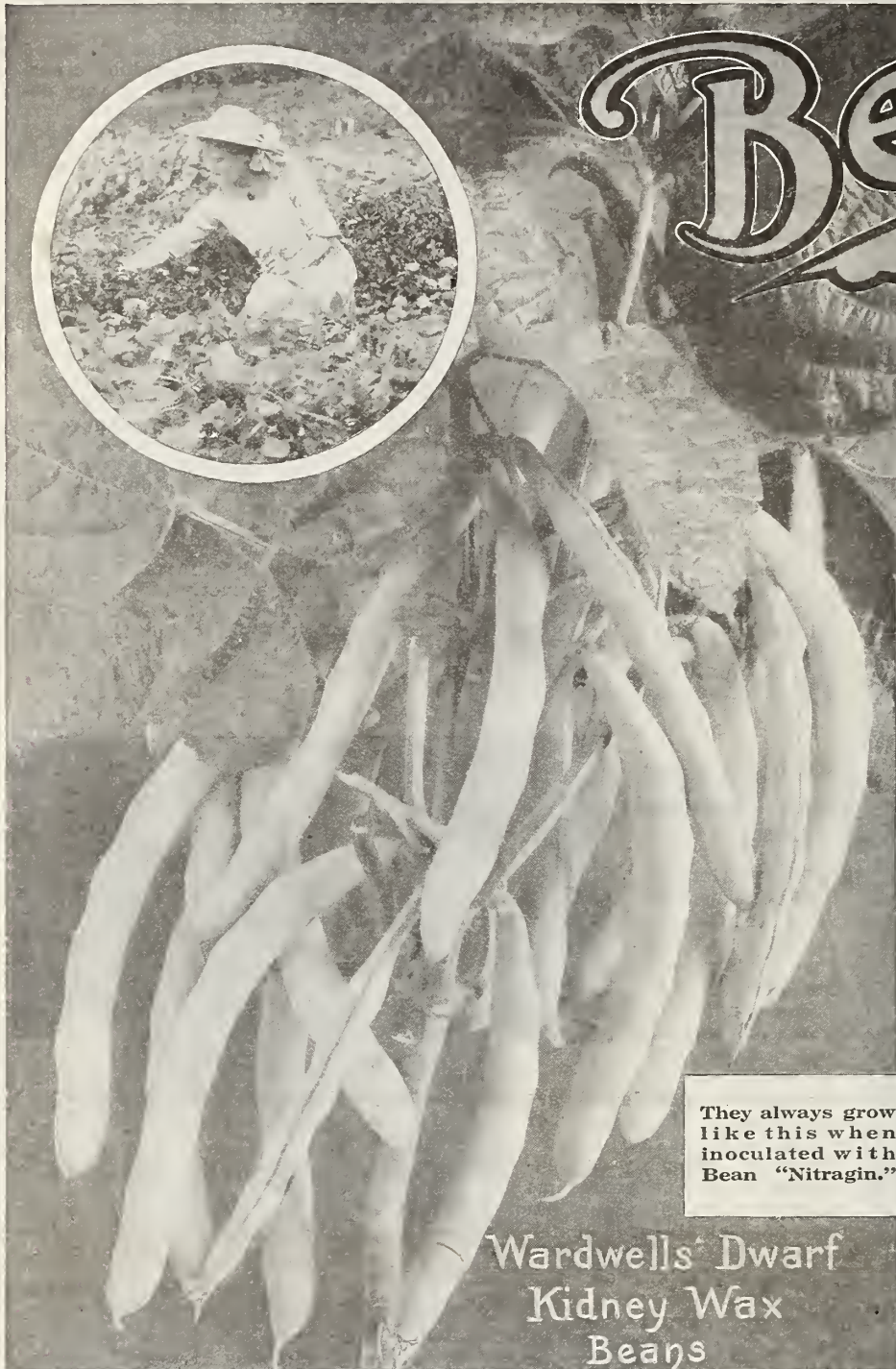
# Beans

## Culture

Plant all varieties of beans after danger of frost is over. Bush beans may be planted about 2 inches deep in drills from 24 to 30 inches apart according to the variety and richness of the soil, placing the seed 3 inches apart or four seeds in hills 24 inches apart each way.

Cultivation should be frequent until the plants begin to bloom, but only when the foliage is dry, for if disturbed when wet the vines will rust.

Pole beans require fertile soil. Plant 6 seeds 2 inches deep in hills around poles 8 ft. high, set firmly in the ground. The poles should be set about 3 feet apart each way and the seeds placed in the ground in a circle about 6 inches from the base of the pole. Cultivate same as for bush beans.



They always grow like this when inoculated with Bean "Nitragin."

Wardwells' Dwarf Kidney Wax Beans

### Galloway-Bowman's Improved Golden Wax

This is a great improvement on the old Golden Wax Type; not only are the beans more prolific, but they are also more fleshy and mature earlier. A batch grown on our seed farm were a perfect picture. The plants were bushy and very prolific bearers. The beans, 6 inches in length, were borne in clusters. There were almost as many beans as leaves. You can't go wrong when ordering Galloway-Bowman's Improved Golden Wax Beans. They certainly are A1.

Cat. No. 175B—Large pkt., 10c; pint, 30c; quart, 50c (postpaid); by express or freight, 4 quarts, \$1.30; peck, \$2.25; bushel, \$8.00.

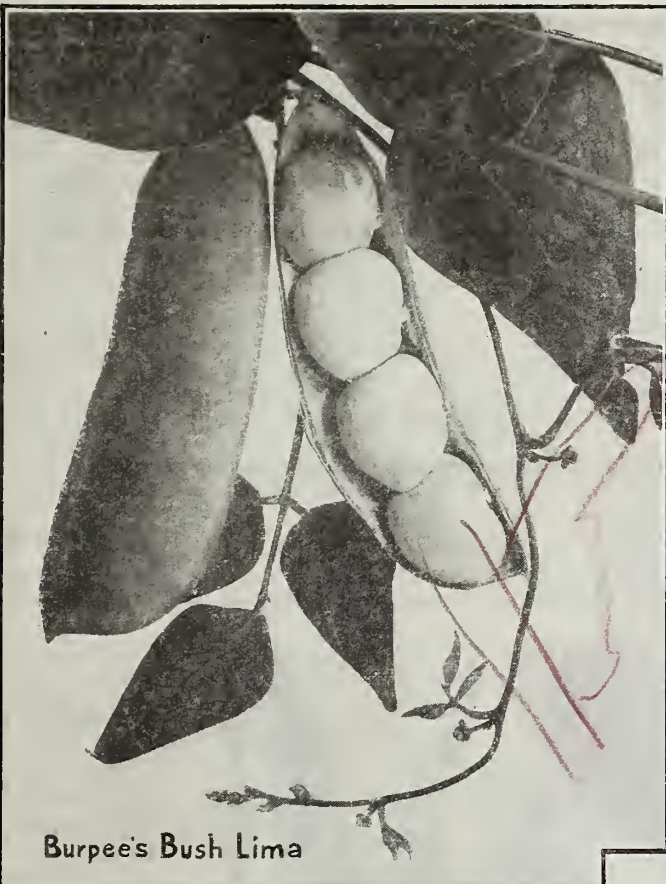
### Wardwell's Kidney Wax Galloway-Bowman's Extra Select

A very hardy and productive variety, bearing an abundance of handsome fleshy pods of the stringless type, a very fine variety for the market. Their handsome pods and rich golden color always attracting attention. Wardwell's Kidney Wax is a good bean to follow Golden Wax, as it matures somewhat later.

Cat. No. 176B—Large pkt., 10c; pint, 30c; quart, 55c (postpaid); by express or freight, 4 quarts, \$1.45; peck, \$2.75; bushel, \$10.00.



New Improved Golden Wax Bean



Burpee's Bush Lima

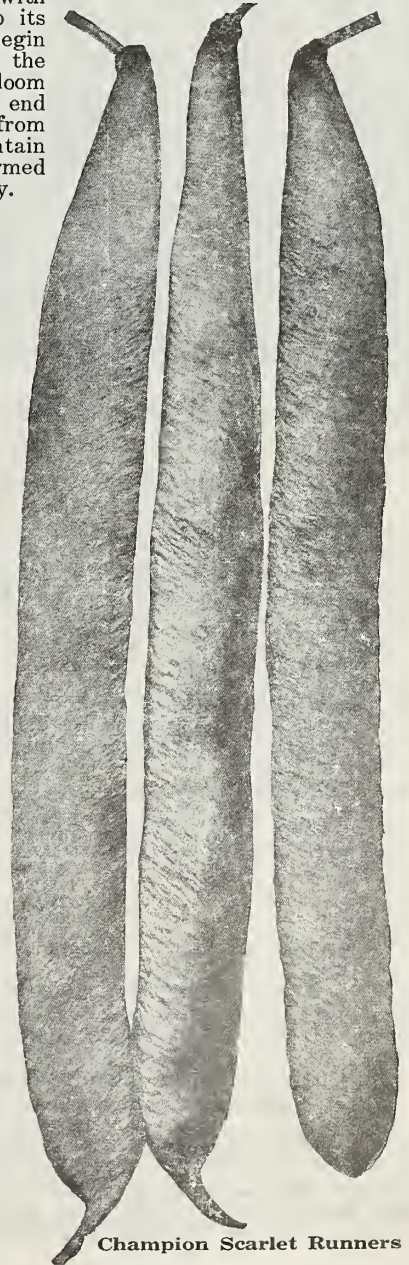
**G-B Champion Scarlet Runners**

This bean is perhaps better known than any other in England and many other parts of Europe. It would be difficult to find a garden over there without them. They certainly are very fine either as a table bean or as a flowering plant. They can be used as string or shelled beans or as a creeping vine to cover unsightly corners and for ornamenting porches and trellises. The flowers are brilliant scarlet and remain in bloom from early summer until late fall. The scarlet runner is a very rapid grower. If the beans are soaked in lukewarm water for 12 hours previous to sowing it will greatly assist them in germinating. Keep them supplied with plenty of water during the dry season. A few plants of Scarlet Runners over a porch or trellis will make a dazzling display of brilliant scarlet and green which is bound to add to the appearance of any home. Cat. No. 177B—Large pkt., 10c; 3 pkts., 25c; pint, 30c; quart, 45c (postpaid).

**King of the Garden Climbing Lima**

A vigorous grower requiring but two vines to each pole. A very excellent bean in every way. In order to insure satisfactory results we would advise early sowing. This bean is a great favorite with Market Gardeners owing to its great productiveness. They begin flowering at the bottom of the pole producing a continuous bloom and foliage right on to the end of the season. Pods measure from 5 to 8 inches in length and contain from 5 to 7 perfectly formed beans of very superior quality. Cat. No. 178B—Large pkt., 10c; 3 pkts., 25c; pint, 30c; quart, 50c (postpaid); by freight or express, 4 qts., \$1.35; 1/4 bu., \$2.50; 1 bu., \$8.00.

(Galloway-Bowman's Select)



Champion Scarlet Runners



King of the Climbing Lima

**Galloway-Bowman's Improved Burpee's Bush Lima**

This is the best large seeded Bush Lima Bean in existence and it's a dandy. The bushes grow about 18 inches high, are of stout growth and always erect. They branch vigorously and each plant develops into a fine bush from two to three feet in diameter. It is a tremendous yielder, the handsome large pods being filled with very large beans of delightful flavor.

Cat. No. 179B—Large pkt., 10c; 3 pkts., 25c; pint, 30c; quart, 50c (Postpaid); by freight or express, 4 lbs., \$1.35; 1/4 bu., \$2.50; 1 bu., \$8.00.

**Henderson's Bush Lima**

Galloway-Bowman's (Improved)

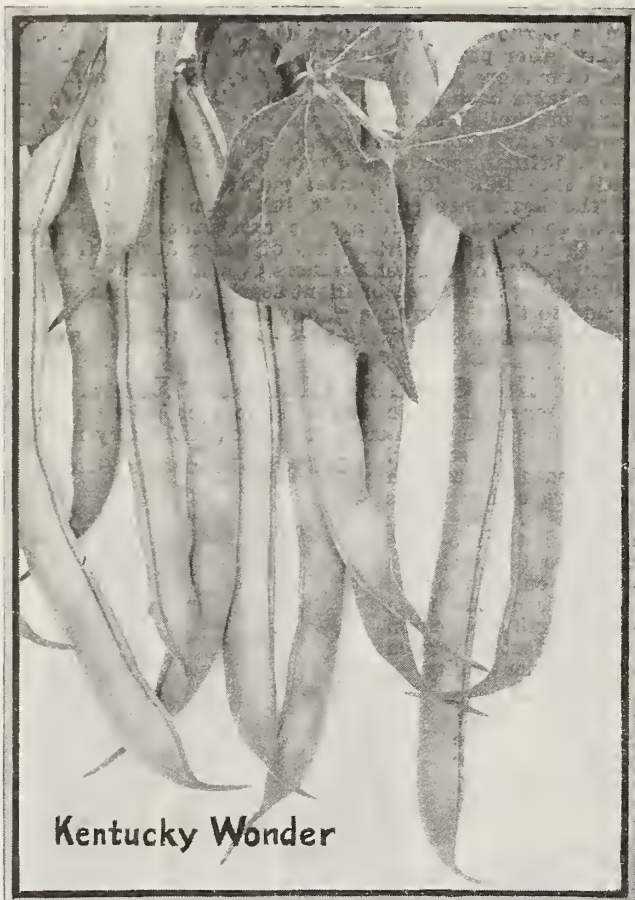
This is the earliest of all Bush Limas. Grows only 18 inches high and produces an abundance of rich buttery beans. The best for Northwestern States. For earliness and productiveness Henderson's Bush Lima cannot be beaten. They are at least 12 days earlier than any other type of Bush Lima and at least 2 to 3 weeks earlier than Pole Limas. This enables them to be grown in many sections of the country where the seasons are too short for other Limas.

Cat. No. 180B—Large pkt., 10c; 3 pkts., 25c; pint, 30c (postpaid); quart, 45c (postpaid); by freight or express, 4 lbs., \$1.35; 1/4 bu., \$2.50; 1 bu., \$8.00.

**Galloway-Bowman's Improved Kentucky Wonder Wax**

This is the best of all climbing wax beans. It is very similar to the green podded Kentucky Wonder, but the fine long pods are a little broader, very fleshy and quite stringless. The pods are often from 8 to 9 inches in length. Its earliness and hardiness commend it as a pole bean well adapted even for northern latitudes. Its large golden yellow pods are truly handsome and are unexcelled in quality by any wax bean. We anticipate for it a great future owing to its all around good qualities.

Cat. No. 181B—Large pkt., 10c; 3 pkts., 25c; pint, 30c; quart, 45c (postpaid); by freight or express, 4 lbs., \$1.35; 1/4 bu., \$2.50; 1 bu., \$8.00.



Kentucky Wonder

How they grow when inoculated with Bean "Nitragin"

**Galloway-Bowman's Improved Kentucky Wonder (also known as Old Homestead)**

We hold an absolutely unsurpassed stock of this tremendously popular bean. This variety is more used than any other of the green podded pole beans suitable for use as snaps. It is an early prolific sort, with very showy pods which are of very fine quality. The vines are very vigorous and productive, producing pods in large clusters. The pods are light green in color, very long; often 10 inches in length, very round and crisp. The seed is long oval, dun colored. This probably has a larger sale than any other pole bean.

Cat. No. 185B—Large pkt., 10c; 3 pkts., 25c; pint, 30c; quart, 45c (postpaid); by express or freight, 4 quarts, \$1.10; ¼ bu., \$1.95; 1 bu., \$7.00.

**Davis Kidney Wax (Galloway-Bowman's Extra Select)**

The demand for this very fine bean was very heavy last season and in consequence of its very high merit we expect a much heavier demand this season. Bean growers declare it to be one of the very best of the whole dwarf wax bean family. The beans are creamy white and quite rust proof, very heavy croppers and greatly in demand for canning. The dry seed of Davis Kidney Wax Bean being a fine pure white, they are very desirable for winter market as a shell bean. You certainly ought to give them a trial.

Cat. No. 186B—Large pkt., 10c; 3 pkts., 25c; pint, 30c; quart, 50c (postpaid); by express or freight, 4 quarts, \$1.25; ¼ bu., \$2.25; 1 bu., \$8.50.

**Currie's Rust Proof Black Wax (Galloway-Bowman's Extra Select)**

A very desirable variety of the stringless type, very early and a fine cropper; bears an abundance of crisp, tender, stringless pods of excellent quality and flavor.

Cat. No. 187B—Large pkt., 10c; 3 pkts., 25c; pint, 30c; quart, 50c (postpaid); by express or freight, 4 quarts, \$1.25; ¼ bu., \$2.25; 1 bu., \$8.50.

**Galloway-Bowman's Stringless Green Pods**

We cannot say too much for this bean. It is without doubt the best of all the stringless green podded varieties. We put in a big batch of these on our own Experimental Farm this year and they gave complete satisfaction in every way. The plants were uniform right through and were tremendous yielders, every plant being weighed down with handsome, straight, long green, perfectly round, and fleshy beans. You really cannot afford to be without a batch of these in your garden. We know you will be delighted with them.

Cat. No. 182B—Large pkt., 10c; 3 pkts., 25c; pt., 30c; qt., 45c; (postpaid); by express or freight, 4 qts., \$1.00; ¼ bu., \$1.85; 1 bu., \$6.50.

**Galloway-Bowman's Improved Early Yellow Six Weeks**

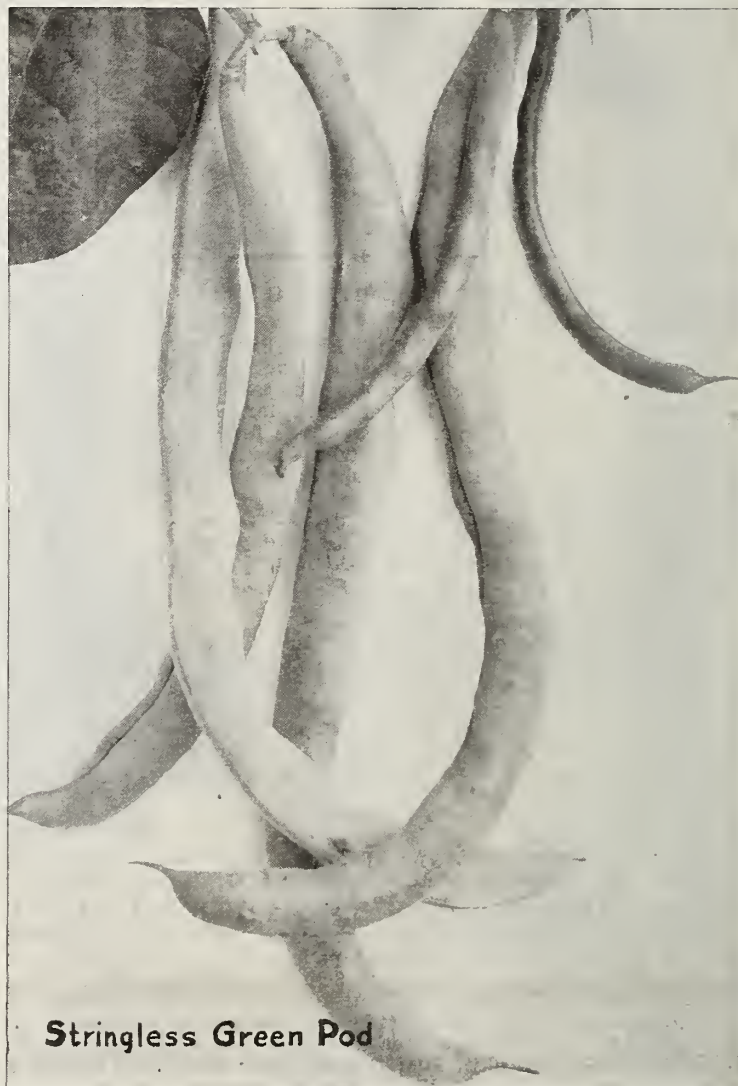
This is the earliest of all beans as its name implies. It produces an abundance of long green flat podded beans ready for the table in 6 weeks from the time of sowing, and under favorable circumstances in even less time. Our stock is tip-top and if you are looking for a really early green podded bean we strongly recommended you to give our Improved Early Yellow Six Weeks a trial. It will give satisfaction wherever tried; owing to its early productiveness this bean can be sown successively right up to the fall and be relied upon to produce an abundant crop right through the season. All the bush beans can be relied upon to prolong their period of productiveness if kept picked close.

Cat. No. 183B—Large pkt., 10c; 3 pkts., 25c; pt., 30c; qt., 45c (postpaid); by express or freight, 4 qts., 90c; ¼ bu., \$1.60; 1 bu., \$5.50.

**Galloway-Bowman's Extra Early Red Valentine Green Pod or Pickling Varieties**

This is one of the best known of the green pod or pickling varieties. It is exceptionally early, pods being ready to pick 35 days after sowing. They are light green and semi-transparent, a very fleshy, crisp, and tender bean, seed long, of medium size, a desirable bean for every home garden.

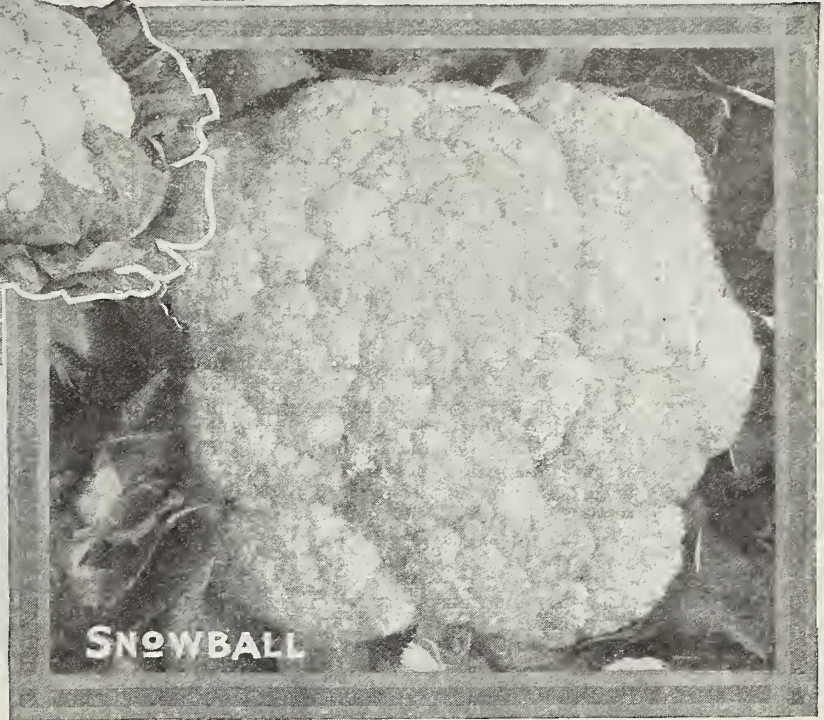
Cat. No. 184B—Large pkt., 10c; 3 pkts., 25c; pt., 30c; qt., 45c (postpaid); by express or freight, 4 qts., 85c; ¼ bu., \$1.50; 1 bu., \$5.00.



Stringless Green Pod

# Cauliflower

Imported by us direct from Europe.  
Absolutely the best seed grown.



**KING OF THE MARKET**

**SNOWBALL**

**Culture** The Cauliflower delights in a rich soil and an abundance of water. Sow seed for an early crop in February or March in a hotbed and when plants are 3 or 4 inches high transplant 4 inches apart in boxes or frames. As soon as the weather conditions permit the plants can be removed to the open ground. Set plants about 2 feet apart each way. For late crop sow cauliflower seed in a cool, moist place, as soon as all signs of frost are past.

An ounce of our pure tested seed will produce about 3500 plants.

**Galloway-Bowman's Imported King of the Market.**

There is no finer strain of Cauliflower anywhere than Galloway-Bowman's Imported King of the Market. It is very early. The heads are uniform, solid, and snow white. It is about two weeks earlier than Snowball. The very best for forcing under glass.  
Cat. No. 180C—Large pkt., 15c; 2 pkts., 25c; ¼ oz., 65c; ½ oz., \$1.15; 1 oz., \$2.00, postpaid.

**Dry Weather**

A variety specially adapted to dry conditions. There is a great demand for this Cauliflower owing to its productiveness under circumstances which as a rule means failure to all other varieties. Plant in good rich soil and cultivate well. The heads grow to a large size, are very solid pure white and of delicious flavor.  
Cat. No. 181C—Large pkt., 15c; 2 pkts., 25c; ¼ oz., 65c; ½ oz., \$1.15; 1 oz., \$2.00, postpaid.

**Galloway-Bowman's Early Snowball**

No cauliflower grown has gained for itself a greater reputation than has Early Snowball. While originally recommended and used as an early variety it has not only supplanted most other sorts for spring planting, but it has largely driven out the large late sorts for fall use, being much finer than they are in quality. It's a cauliflower that can be positively depended upon to produce a crop when conditions are ordinarily favorable. Its close growing compact habit enables at least one-third more to be planted on the same space of ground than can be done with other varieties. It's an ideal cauliflower for forcing under glass during the winter and spring.

Cat. No. 182C—Large pkt., 15c; 2 pkts., 25c; ¼ oz., 65c; ½ oz., \$1.15; 1 oz., \$2.00, postpaid.

**Table Showing Quantities of Seed Usually Sown Per Acre**

	Weight per bushel	Quantity to sow 1 acre		Weight per bushel	Quantity to sow 1 acre
Alfalfa	60 lbs.	15 to 20 lbs.	Millet, German	50 lbs.	3 pks. to 1 ½ bu.
Barley, broadcast	48 lbs.	1 ½ to 2 bu.	Millet, Hog	50 lbs.	3 pks. to 1 ½ bu.
Bean, Dwarf, in drills	60 lbs.	1 ½ bu.	Millet, Hungarian	50 lbs.	3 pks. to 1 ½ bu.
Bean, Pole, in hills	60 lbs.	10 to 12 qts.	Oats	32 lbs.	3 to 4 bu.
Beet, Table, in drills		6 lbs.	Onion Seed, in drills	6 lbs.	3 to 5 lbs.
Beet, Mangel Wurzel		6 lbs.	Onion Sets, in drills	32 lbs.	6 to 12 bu.
Broom Corn, in hills	46 lbs.	8 to 10 qts.	Onion Seed, for sets, in drills	50 lbs.	50 lbs.
Buckwheat	48 lbs.	1 bu.	Parsnips, in drills	1 bu.	4 to 6 lbs.
Cabbage, in beds to transplant		¾ lb.	Peas, field or stock, broadcast	60 lbs.	1 ½ to 3 bu.
Carrots, in drills		3 to 4 lbs.	Pea, Garden, Wrinkled, in drills	56 lbs.	1 ½ bu.
Corn, in hills (for grain)	56 lbs.	4 to 6 qts.	Pea, Round, in drills	60 lbs.	1 ½ bu.
Corn, in hills (for fodder)	56 lbs.	8 to 10 qts.	Potatoes	60 lbs.	8 bu.
Clover, Alsike	60 lbs.	6 to 8 lbs.	Potato, cut Tubers	60 lbs.	8 bu.
Clover, Red	60 lbs.	8 to 10 lbs.	Pumpkins, in hills		3 lbs.
Clover, White	60 lbs.	2 to 4 lbs.	Radish, in drills		8 to 10 lbs.
Cucumber, in hills		4 to 6 lbs.	Rape, Dwarf Essex	50 lbs.	5 to 8 lbs.
Flax, broadcast	56 lbs.	1 ½ bu.	Rye	56 lbs.	1 ½ to 2 bu.
Grass, Kentucky Blue	14 lbs.	2 bu.	Salsify, in drills	2 bu.	8 to 10 lbs.
Grass, Orchard	14 lbs.	3 bu.	Sorghum, or Sugar Cane	50 lbs.	2 to 4 bu.
Grass, English Rye	22 lbs.	2 bu.	Spinach, in drills		15 lbs.
Grass, Red Top	14 lbs.	1 bu.	Squash, Bush Varieties, in hills		4 lbs.
Grass, Timothy	45 lbs.	10 to 15 lbs.	Squash, Running Varieties, in hills		3 lbs.
Grass, Lawn	20 lbs.	4 bu.	Tomato, to transplant		¼ lb.
Kaffir Corn, in drills	56 lbs.	10 lbs.	Turnip, broadcast		2 to 3 lbs.:
Kaffir Corn, broadcast	50 lbs.	2 bu.	Turnip, in drills, 1 ox to 250 ft of drill		1 ½ lbs.
Melon, Musk, in hills		2 to 3 lbs.	Vetch	60 lbs.	30 to 45 lbs.
Melon, Water, in hills		4 to 5 lbs.	Wheat	60 lbs.	1 ½ to 2 bu.

Only One Quality, The Best. Galloway High Quality, Pure Seeds Never Disappoint



# CABBAGE

**Culture** The seed may be sown in rows 1 foot apart or broadcast in the garden, about the middle of May, and the plants set in the field the latter part of June, or it may be planted in hills 30 inches apart, 4 to 5 seeds to the hill, in the field where the cabbages are to grow, thinning to one plant in a hill when the plants are 3 to 4 inches high.

Cultivation must begin as soon as the plants are set in the field or as soon as seed sown in the field is up and continued as long as it is possible to get through them with a horse cultivator without doing injury to the plants.

Where the seed is sown in the field, whether it be in rows or in hills, it should be covered with 3/4 of an inch of soil and this soil firmed well to insure rapid germination. One-half pound seed sown in a bed will produce plants for one acre.

An ounce of our Imported Cabbage Seed will produce for you 2,500 sturdy plants.

Our cabbage varieties are selected by an expert. If you were to look through ten seed catalogues with 4 dozen kinds you could not find a better selection than we offer. We only sell one quality, absolutely and positively the best. No second or third cheap grades.



Pat. Mar. 16 & Nov. 9, 1897

**Bug Death** Save your cucumbers by using Bug Death. This vermin killer is quite harmless to plant or animal life, but will certainly prove thoroughly effective in ridding your plants of bugs, worms and other destructive pests. Can be used dry or with water. Apply when the first tender shoots come through.

Price—1-lb. can, 30c (postpaid). By express, 1-lb., 15c; 3-lb., 35c; 5-lb., 50c.

We specially draw our customers attention to our select stock of Hollander Cabbage. This is the true Imported Hollander and must not be confounded with any other variety sent out by some houses as Hollander; we have even known some people to send out ordinary drumhead cabbage for Hollander; we wish to impress upon you that our stock is true to name and Imported.

## Galloway-Bowman's Imported Hollander or Ballhead (True Stock)

Probably no cabbage is better known or more universally appreciated than this grand variety. It is medium in size, very solid, with but few outer leaves, as a keeper it has no equal and for market use it is unparalleled. For boiling, slaw, sauerkraut, etc., it is unsurpassed, being crisp, tender and sweet. It grows well on all soils and under most conditions, withstanding hot weather and does not rot from the effects of a wet season and the heads do not burst. Our Hollander Cabbage is true to name and can be depended upon to give entire satisfaction wherever grown. Average weight, 7 to 8 pounds per head.

Cat. No. 185B—Large pkt., 10c; 3 pkts., 25c; 1 oz., 35c; 1/4 lb., \$1.00; 1/2 lb., \$1.85; 1 lb., \$3.50 (Postpaid).

## They're All Good! That's what They All Say

Morristown, Ohio.—I want to tell you we were well pleased with the garden and flower seeds we received from you, the tomatoes are fine and so are the cabbage and beets. Yours truly, John Dunn.



Hollander Cabbage







### Galloway-Bowman's Early Jersey Wakefield

This is the earliest and surest heading of all the early cabbages. It is a very safe cabbage to grow; owing to its hardness it can be depended upon to resist cold and other unfavorable circumstances better than any other early cabbage. The plants are compact with very few outer leaves; heads are of medium size, very solid and pointed and of excellent quality. It is an ideal variety for the private garden as it takes up but little room and produces solid hearts sooner than any other sort. It is also an ideal cabbage for the Market Gardener as it can always be depended upon to produce a fine early crop of solid clean heads.

Cat. No. 186C—Large pkt., 5c; 3 pkts., 10c; 1 oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.00 (postpaid).



### Galloway-Bowman's Premium Late Flat Dutch

This well known late cabbage is without doubt the very best of its kind grown. It is remarkably uniform in size and type. The heads are oval in shape and flat and as solid as a rock. As a winter keeping cabbage it is without an equal. Owing to its compact snug growth it can be depended upon to produce many tons of solid crisp and tender heads to the acre. A great favorite with Market Gardeners on account of its excellent shipping qualities. Galloway-Bowman's Premium Flat Dutch is grown only from specially selected heads and can be depended upon to produce only plants true to name and of the highest quality.

Cat. No. 188B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 25c; ¼ lb., 75c; 1 lb., \$2.25 (postpaid).



### Galloway-Bowman's Imported Red Hollander

We offer here what we believe to be the very best red cabbage grown. It is specially imported by us from Denmark and the seed has been saved only from the finest and best heads selected for their uniformity of size, solidity, and even color. If you are looking for a really high grade red cabbage we are confident Galloway-Bowman's Imported Red Hollander will satisfy you in every way. It has all the high grade merits of the green Hollander but the leaves are of course a fine deep red.

Cat. No. 187C—Large pkt., 5c; 3 pkts., 10c; 1 oz., 30c; ¼ lb., 90c; 1 lb., \$3.00 (postpaid).



### Galloway-Bowman's Imported Early Winningstadt

This is without doubt one of the best of the early cabbages. It was originally imported from Germany where it is a prime favorite owing to its compact and upright habit of growth and peculiar texture of its short, thick, rich green leaves. This variety seems to suffer less from the cabbage worm than most other varieties. The heads are of medium size and pyramidal shape, but very solid and of excellent quality; keeps well both summer and winter. It is the hardest cabbage of its kind and will resist excessive wet, draught, insects or disease better than any other variety.

Cat. No. 189B—Price pkt., 5c; 3 pkts., 10c; 1 oz., 25c; ¼ lb., 75c; 1 lb., \$2.25 (postpaid).



Galloway Bros.-Bowman Co. Waterloo, Iowa, U.S.A.



# Carrots



**We Sell Only One Quality, Absolutely and Positively the Best**

## Culture

For the best results the soil should be well worked to a good depth. For early use sow seed in rows 15 inches apart as early in the spring as the soil can be worked, sowing about 2 pounds of seed per acre and cover the same with  $\frac{1}{2}$  inch of soil; but for main crop, sow about corn-planting time using  $1\frac{1}{2}$  lbs. of seed per acre and the seed should be covered with nearly an inch of soil. One ounce of seed will sow 100 feet of drill. Make the rows two feet apart to allow for horse cultivation. Keep free from weeds, and cultivate occasionally until the roots are large enough for table use and if grown for commercial purposes they may be cultivated with profit throughout the season.

## Galloway-Bowman's Mammoth Mastodon

**"THE BEST OF ALL LIVE STOCK CARROTS."** This carrot is without doubt the most productive variety for stock. They yield immensely, a thousand bushels an acre being reported by growers. The quality of Mastodon Carrot is A1. In size they often attain to 5 and 6 pounds each in weight. The shape of Mastodon Carrot is such that it is easily harvested by hand, being a stout conical root with a heavy shoulder and scarcely any Laternal roots. They do not break easily in pulling or while being handled. Our own stock of Mastodon Carrots grown on our Experimental Farms at Waterloo are a sight worth going miles to see. They are a revelation to all who have seen them. Their weight, color, and perfectly uniform shape attracting everyone's attention. Fine for horses, cattle and milk cows. Use 7 to 10 lbs. of carrots with grain and dry fodder. This will constitute a perfect ration.

If you are a stock keeper you cannot afford to be without an acre or more of this very valuable stock feed. This seed imported from Europe.

Cat. No. 190B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 45c; 1 lb., \$1.50 (post-paid).

## James' Scarlet Intermediate (Imported Seed)

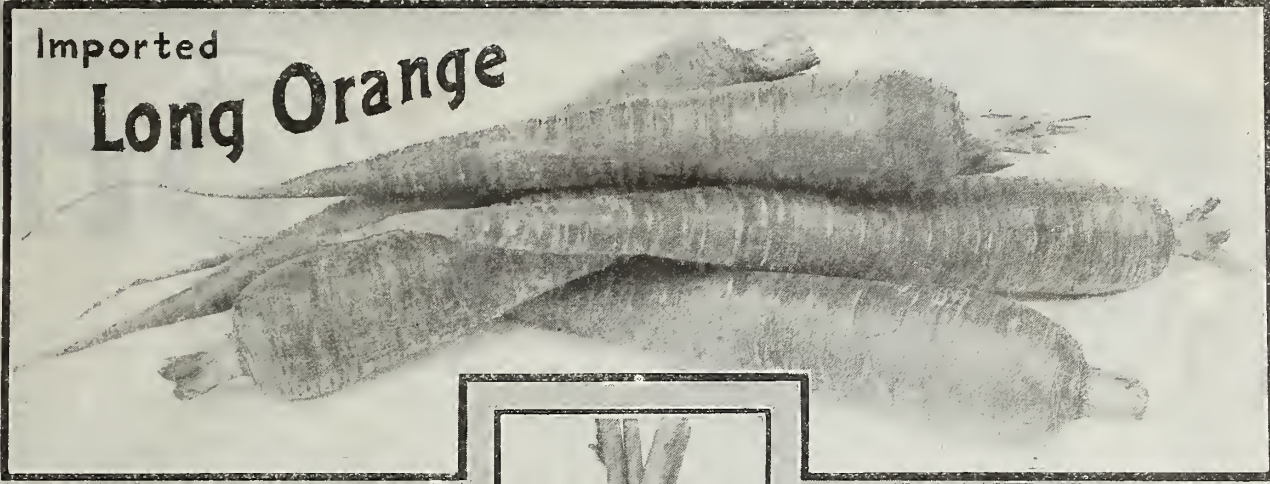
A carrot of the highest merit, being almost universally grown in Europe both for stock and the table. It is a deep orange color, intermediate in length, very crisp, and sweet and a heavy yielder: When this carrot becomes better known we anticipate for it a position second to none among carrots.

Cat. No. 191B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 45c; 1 lb., \$1.50 (postpaid).

## A Word About Field Carrots

It is surprising to note how many farmers neglect to put in an acre or more of carrots for their stock, seeing what a valuable crop it is either for their stock or for the market. They sell readily in the market, fetching from 10 to 20 dollars a ton and seeing that an acre of carrots will produce anything from 20 to 40 tons it goes without saying that there is a whole lot of money in them. Why not get in and have some of this money? Sufficient seed for an acre will cost only \$2.25 and this should yield not less than 20 tons of carrots which should fetch in the open market not less than \$200.00.

Imported  
**Long Orange**



**Galloway-Bowman's Improved Danvers Half Long**

A rich orange red variety, very smooth, and handsome, producing very heavy crops; a fine market variety, flesh is very sweet, crisp and tender; although a garden variety, it produces more bulk to the acre than many of the field varieties and has the special merit of succeeding in almost all soil conditions.

**Cat. No. 192B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 45c; 1 lb., \$1.50 (postpaid).**

**Galloway-Bowman's Improved Long Orange**

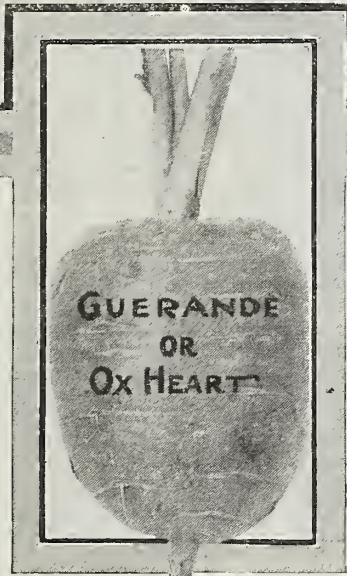
A standard late variety of great merit, very handsome and uniform in shape, roots are a rich, deep orange color, good flavor, and yields very heavily. Sow in a deep soil, thinning to 6 inches apart in 18-inch drills for roots to attain their full size.

**Cat. No. 193B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 45c; 1 lb., \$1.50 (postpaid).**

**Galloway-Bowman's Extra Early Dutch Horn**

A very popular variety. Has a short stump shaped root; grows well in shallow soil, one of the best extra early for outdoor planting and table use.

**Cat. No. 194B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 45c; 1 lb., \$1.50 (postpaid).**



**Galloway-Bowman's Improved Chantenay**

The best carrot for table use, rich orange in color and of delicious flavor; owing to its attractiveness it is specially suited to the Market Gardener.

**Cat. No. 195B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 45c; 1 lb., \$1.50 (postpaid).**

**Half Long Nante's Stump Rooted**

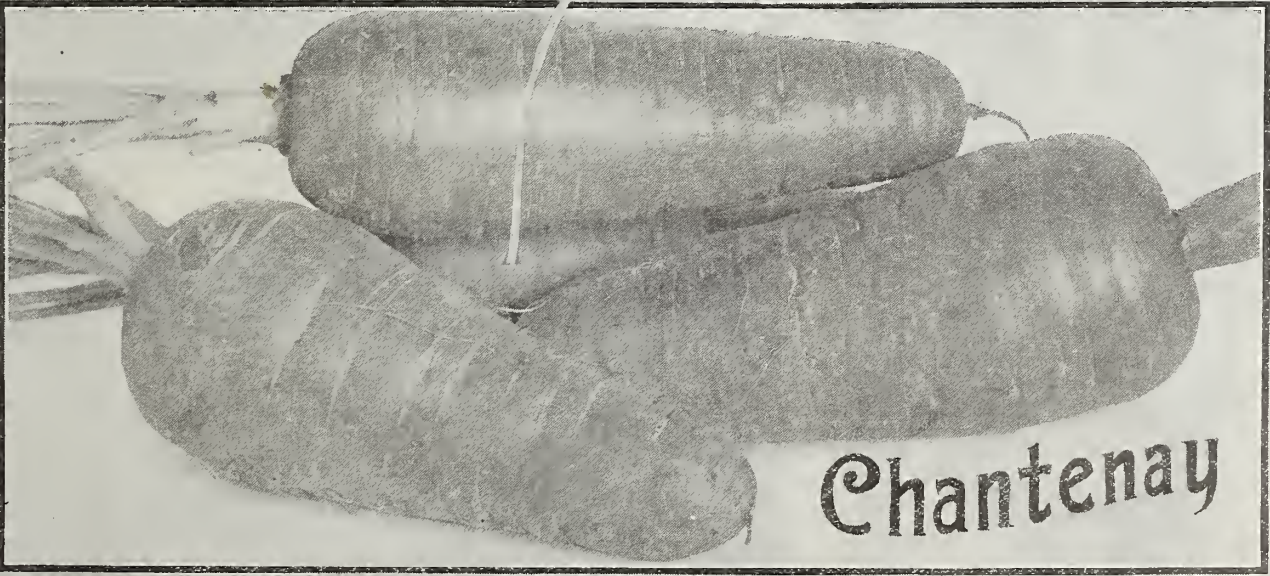
An excellent variety for the home garden. Roots are about 6 inches long, very smooth and cylindrical, has no core, exceedingly sweet and tender, raised in France by one of the best carrot growers.

**Cat. No. 196B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 45c; 1 lb., \$1.50 (postpaid)**

**Guerande or Ox Heart**

The quality of Guerande or Oxheart is exceedingly good, being of a firm texture and remarkably sweet. It is an ideal carrot for table use and certainly should be grown where land is shallow as it thrives much better under those soil conditions than the longer types of carrots.

**Cat. No. 197B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 45c; 1 lb., \$1.50 (postpaid).**





# Sweet Corn

**Culture** This requires a good soil and situation. Commence for early planting the first varieties about May 1st, and if a continuous supply is wanted all summer make plantings about two weeks apart, from May 1st until the last of July, first planting early varieties, then later ones. Plant in rows three feet apart and make the hills about the same distance apart in rows. Five kernels in the hill are plenty. Cover about one inch deep for early and a little deeper for late. Thin to three in a hill. Plant one quart to 200 hills; 8 to 10 quarts to the acre in hills.

## Peep O'Day

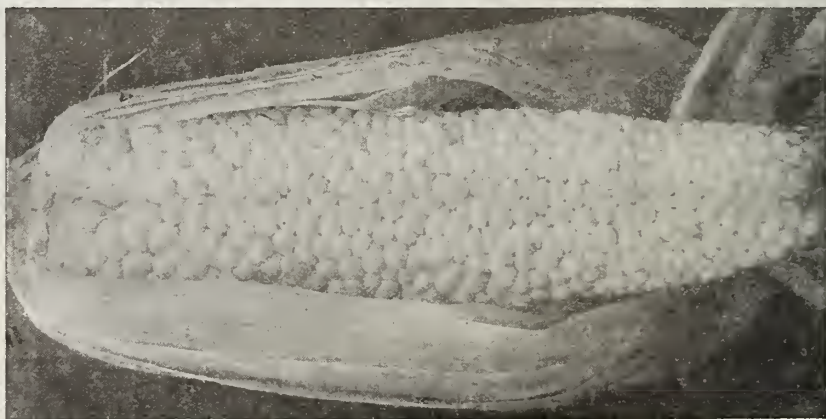
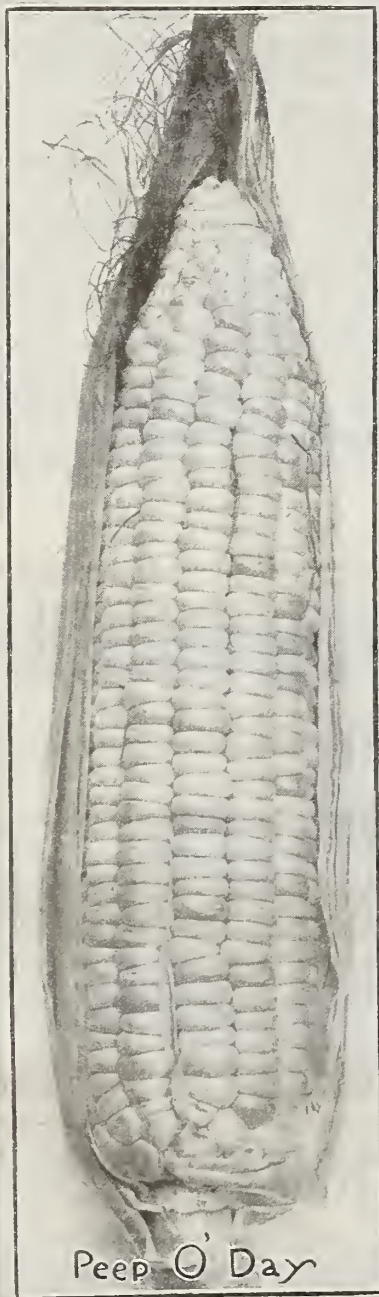
The earliest of all Sweet Corn and on this account specially adapted to northern latitudes where other varieties are hard to grow. It is a pure white color, tender, juicy and sweet. It is perhaps the best kind for the home garden, owing to its earliness. Almost everyone looks forward to their first picking of Sweet Corn and if you put in a batch of Peep O'Day you certainly will be able to satisfy your desires for early corn. Our Peep O'Day Sweet Corn is pure, genuine and unadulterated and can be relied upon to give you entire satisfaction.

Cat. No. 200B—Large pkt., 5c; 3 pkts., 10c; pint, 25c; quart, 40c (Post-paid); by freight or express, 4 quarts, \$1.00; ¼ bushel, \$1.50; 1 bu., \$5.50.

## Country Gentleman

Without doubt one of the best of the late varieties. It is the most luscious of all the Sweet Corns. The plump white kernels are of great depth, most delicious and the flavor will delight even an epicure. It remains tender and fit for use longer than most other sorts as the ear is enclosed in a thick husk which keeps it "in the milk." The ears average nine inches in length and are borne from two to five and sometimes six on each stalk. The cob is small and very closely packed from tip to butt and with slender pure white kernels of the finest quality. It comes as true to type as any Sweet Corn we know of. If you desire a really delicious late white Sweet Corn you certainly should try Country Gentleman; we know it will please you.

Cat. No. 201B—Large pkt., 5c; 3 pkts., 10c; pint, 20c; quart, 35c (Post-paid); by freight or express, 4 quarts, 80c; ¼ bushel, \$1.45; 1 bu., \$5.00.



G.-B. Country Gentleman.



### Golden Bantam

The most popular of all the early sweet corns. The demand for Golden Bantam is enormous and great difficulty is experienced by seed houses in keeping the supply equal to the demand. It is rapidly taking the place of the white and older varieties on account of its superior quality. Golden Bantam is the richest in flavor of all the Sweet Corns. Its pale creamy yellow kernels are delicious and sweet.

This season has seen an enormous demand for this corn from Hotel Keepers, Restaurant and private establishments. Market Gardeners tell us they never knew anything like it before and are preparing to sow down much larger crops in order to meet this ever increasing demand. Our stock of Golden Bantam is saved from ears only specially selected for their uniformity of size and color and we send out seed only which shows the very highest germinating power. If you want Golden Bantam Corn of the highest quality and productiveness we certainly have it. If you have never tried it before do so now. You will be delighted with it.

Cat. No. 202B—Large pkt., 10c; 2 pkts., 15c; pint, 25c; quart, 40c (Postpaid). By Express or Freight, quart, 30c; 4 quarts, 95c; peck, \$1.75; bu., \$6.00.

### “Early Evergreen”

This is a very popular Sweet Corn. It is in the 2nd early class, comes to maturity fully 10 to 12 days earlier than Stowell's Evergreen and yields large handsome ears of most delicious flavor. It has a ready sale in the market on account of its handsome appearance and earliness.

Cat. No. 203B—Large pkt., 5c; 3 pkts., 10c; pint, 20c; quart, 35c (Postpaid); by freight or express, 4 quarts, 85c; ¼ bushel, \$1.50; bu., \$5.25.

NOTE.—ALL our Seed Corn is thoroughly tested before we put it into packets and unless it shows a very high percentage of growth we do not allow it to leave our warehouse. Customers can therefore always rely upon getting from us nothing but pure, genuine, and unadulterated Sweet Corn that is bound to grow.

### Stowell's Evergreen

This variety has for many years stood at the head of the list of late Sweet Corn. For main late crop for the family garden or for the market Gardener and Farmer it cannot be excelled. It remains in good condition a long time after gathering, thus continuing in season after frost. This corn is distinguished by the large ear. The long, deep kernels, its rich, sugary flavor and its long keeping qualities. There is perhaps more Stowell's Evergreen Corn sold for late planting than all the other late varieties put together.

When you get Stowell's Evergreen Corn from us you get the genuine thing and the absolutely best money can buy. Our seed is true to name having been very carefully selected specially for us.

Cat. No. 204B—Large pkt., 5c; 3 pkts., 10c; pint, 20c; quart, 35c (Postpaid); by freight or express, 4 quarts, 75c; ¼ bushel, \$1.50; 1 bu., \$5.00.

### Pop Corn

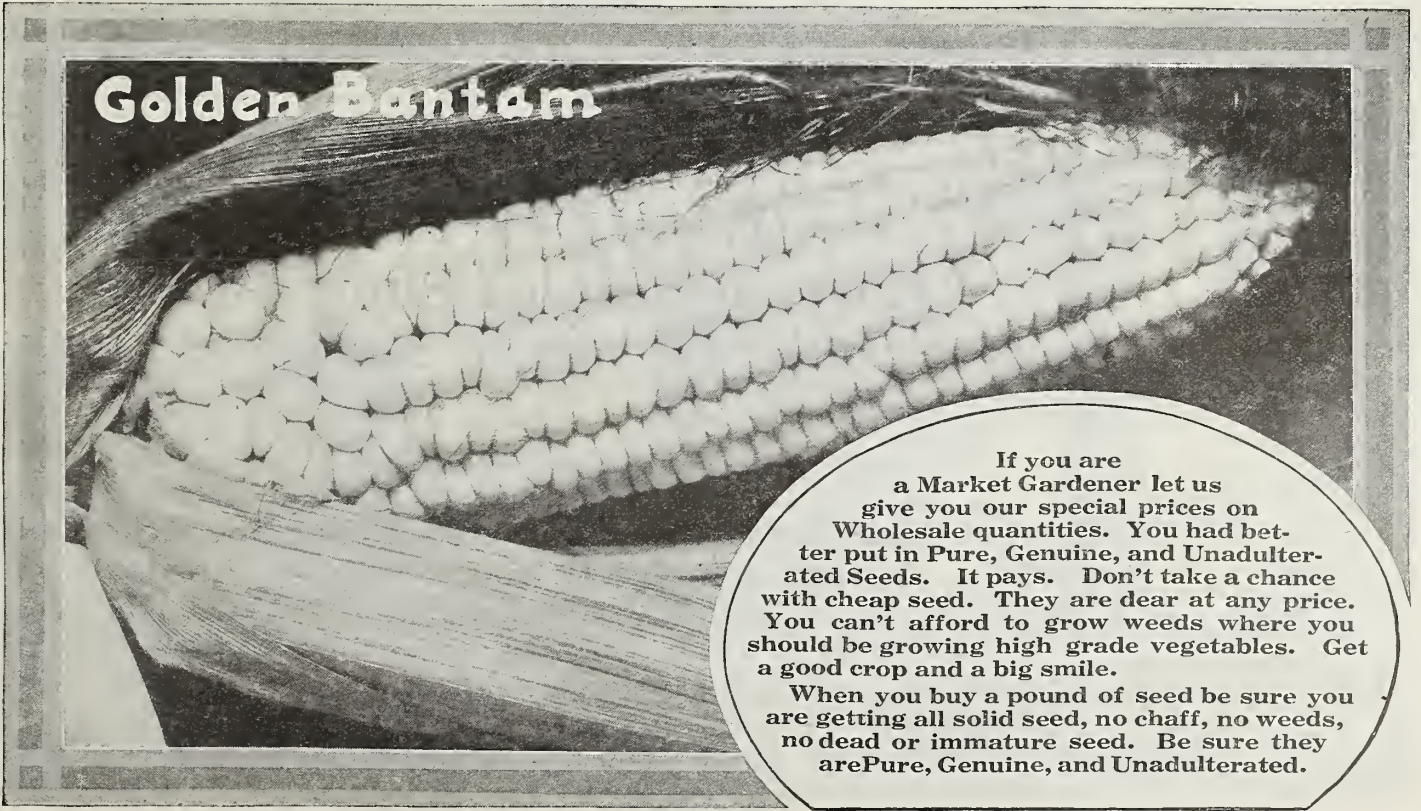
“Something good for the boys' garden”

### Monarch White Rice

This variety is the best for popping. The ears are large sized, very handsome and productive, excellent quality, very crisp and delicious. It is a very profitable crop to grow, yielding at the rate of 8 to 10 tons per acre of shocked corn. Thousands of tons of White Rice Pop Corn are annually sold for popping purposes.

Plant at the rate of 4 to 6 lbs. to the acre. Pop Corn should be planted much closer than the larger varieties of corn.

Cat. No. 205B—Large pkt., 5c; 3 pkts., 10c; ¼ lb., 10c; 1 lb., 30c; 3 lbs., 75c (Postpaid). By express not prepaid, 10 lbs., \$1.20; 25 lbs. at 10c per lb.



Golden Bantam

If you are a Market Gardener let us give you our special prices on Wholesale quantities. You had better put in Pure, Genuine, and Unadulterated Seeds. It pays. Don't take a chance with cheap seed. They are dear at any price. You can't afford to grow weeds where you should be growing high grade vegetables. Get a good crop and a big smile. When you buy a pound of seed be sure you are getting all solid seed, no chaff, no weeds, no dead or immature seed. Be sure they are Pure, Genuine, and Unadulterated.

PURE, GENUINE AND  
UNADULTERATED  
IS OUR MOTTO

We don't offer you several hundred varieties, but what we do offer you we specialize on, because in their line they are positively and absolutely the best.

# Cucumbers

## KILL BUGS

Bug Death will not poison anything but bugs and worms.

Price 1-lb., 30c postpaid  
" 1-lb., 15c by express  
" 3-lb., 35c by express  
" 5-lb., 50c by express

## Early Frame or Short Green

**NOTE.** We do not offer 20 or 30 varieties of Cucumbers like some seed houses; we offer you only four and each one a distinct type and different in every way. No matter for what purpose you may be growing Cucumbers you will find what you want in its very best form amongst the four we offer you. They are the best of their kind either for dill or sweet pickles, for slicing or for exhibition.

Land is money, work is money, sunshine is money, rain is money, they all contribute to make a good crop, but if your seed is poor, it is all lost. Don't take a chance on poor seed. It's always an expensive experiment. Order today.

**Culture** One ounce will plant fifty hills; two pounds will plant an acre. For early cucumbers sow April 1st, in a hotbed upon pieces of sod (grass side down), so that they can be readily transplanted to the open ground, in rich soil, when danger of frost is over, or protect by hand glasses. For early use, plant, if the weather has become settled and warm, in hills 4 to 6 feet apart each way; thin out to four of the strongest plants to each hill, after all danger from insects is over. They succeed best in a warm, moist, rich, loamy soil. Continue planting at intervals for a succession. The cucumbers should be gathered when large enough for use, whether required or not; if left to ripen, it destroys their productiveness. For pickles, plant from June until the middle of July. The yellow striped cucumber or squash beetle is the most serious insect enemy of this crop.

## "Early Frame or Short Green"

This is the very best standard pickling variety. Also good for family use for slicing and pickling. A good variety for successional sowing, fruits straight and handsome, smaller at each end, bright green, flesh, tender and crisp, and makes fine pickles.

Cat. No. 206B—Large pkt., 5c; 3 pkgs., 10c; 1 oz., 10c; ¼ lb., 25c; 1 lb., 90c.

Here's What They Say About "Galloway Hi-Quality" Pure Seed

## All Good, Why? Because We Specialize and Offer One Quality, Absolutely and Positively the Best

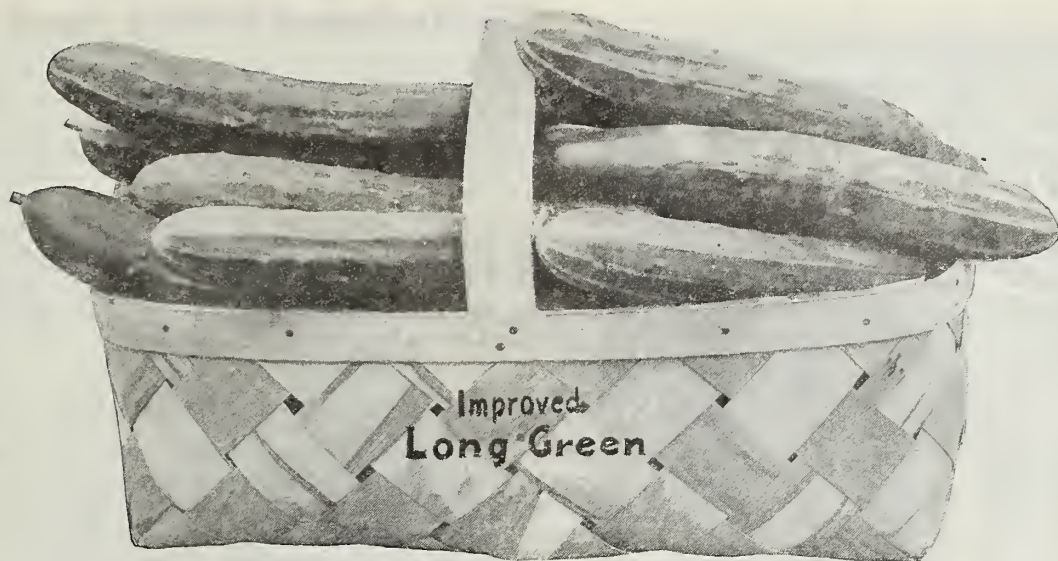
**Woodland, Mich.** I want to tell you everything is doing fine from those seeds you sent me last spring. I never saw such nice large peas and the corn is now ready to use; in fact, everything we sent for are all good. Yours truly, Mrs. Orr Hager.

**Orofino, Idaho.** In regard to the garden seeds I received from you. Well, I simply have to say this about your seeds. I find them good in every way. Yours very truly, Geo. Alteneider.

**Sikeston, Mo.** We purchased some garden seed from you this spring and was well pleased with them. Mrs. Ella Whiteside.

**George, Iowa.** We are well satisfied with the seeds we got this spring. Yours truly, Louis A. Hilbrands, R. No. 3.

**Hampton, Iowa.** The seed we got last spring was just fine. Your friend, Berthel Christensen, R. No. 2.



### G-B Improved Long Green

A well known standard variety about 12 inches in length of excellent quality and flavor, when small make the finest of pickels, flesh is white and crisp. It is a very rapid grower and very productive; does well in almost any soil or climate. Our seed is selected from the best fruits only.  
 Cat. No. 207B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 10c; ¼ lb., 25c; 1 lb., 80c.

### G-B Improved White Spine

An extra early, exceedingly prolific and continuous bearing variety. The shape is unequalled being rather longer than most sorts, the color is a beautiful dark green, shading off a little paler toward the bloom end. It is one of the best cucumbers for slicing and general use. The flesh is firm and crisp.

The seed we offer has been taken from fruit selected for its ideal form, uniformity of size, shape and color and general appearance; an excellent variety either for the greenhouse or outdoor cultivation.

Cat. No. 208E—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.

### “G-B Champion Pickler”

This is the best known pickling variety and is used almost exclusively by the great pickling factories because of its size and uniformity. It can be relied upon to produce an abundant crop of small, hard and crisp fruit, right throughout the season if they are pickled when ready and not permitted to ripen on the vine. A small packet of Galloway-Bowman's Champion Pickler Cucumber will grow enough Cucumbers to keep a good sized family from one season to another.

Cat. No. 209B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

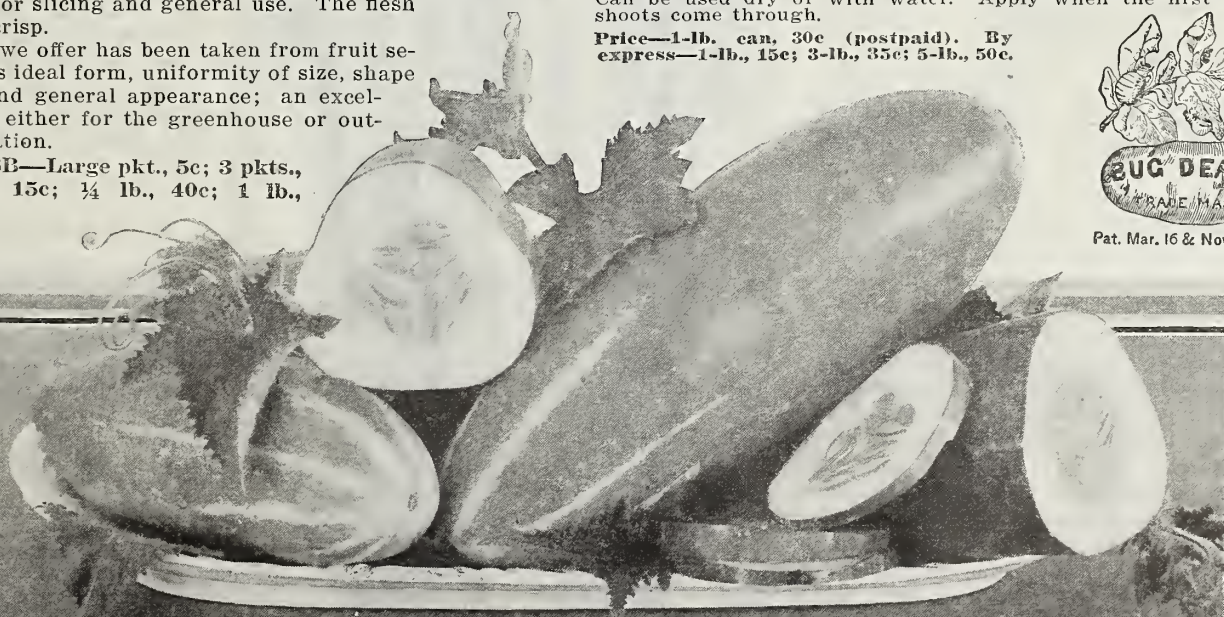
(A Harmless Vermin Killer.)

**Bug Death** Save your cucumbers by using Bug Death. This bug killer is quite harmless to plant or animal life, but will certainly prove thoroughly effective in ridding your plants of bugs, worms and other destructive pests. Can be used dry or with water. Apply when the first tender shoots come through.

Price—1-lb. can, 30c (postpaid). By express—1-lb., 15c; 3-lb., 35c; 5-lb., 50c.



Pat. Mar. 16 & Nov. 9, 1897



White Spine



### "G-B Imported Solid Crystal White"

As a solid white variety it has no equal. The heart is full and solid and the inner and outer stalks are a pure white color. This variety is much grown by Market Gardeners owing to its attractive appearance and the demand there is for a good solid white celery for table use. The flavor of this celery is delicious and is bound to please the most critical. In short it is without doubt the best white celery grown today either for the market or the home garden. Our seeds are specially imported French stock and can be relied upon to give entire satisfaction.

Cat. No. 210B—Large pkt., 10c; 3 pkts., 25c; 1 oz., 45c; ¼ lb., \$1.30; 1 lb., \$4.50 (Postpaid).

### G-B Golden Self Bleaching Fine French Imported Seed

This celery originated in France and has become the leading variety in America for all purposes. The quality is the very best, being solid, tender, crisp, with a soft golden yellow color. The flavor is delicious, crisp and nutty. In habit it is dwarf, stocky, uniform in height and very compact. It is entirely free from stringiness. We stock only the French grown seed, raised by one of the best known Celery raisers and we have every confidence that there is no better stock anywhere and that under ordinary circumstances this seed will give satisfaction wherever grown.

Cat. No. 211B—Large pkt., 10c; 1 oz., \$1.25; ¼ lb., \$4.00; 1 lb., \$15.00 (Postpaid).

### G-B Giant Pascal

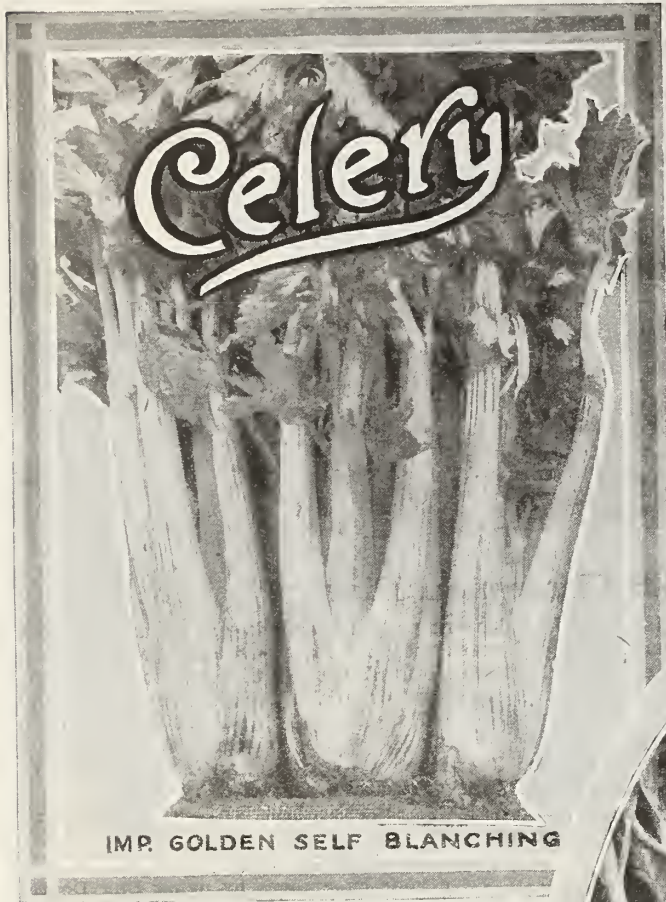
One of the most popular sorts for winter use. The stalks are very large, crisp and nutty and of very fine flavor. It blanches very easily and quickly and retains its freshness much longer than any other variety.

Cat. No. 212B—Price 5c; 3 pkts., 10c; 1 oz., 25c; ¼ lb., 50c; 1 lb., \$2.00, postpaid.

### A few things you Won't Find in our catalogue

Billion Dollar Potatoes. Five Million Dollar Tomatoes. Eight Hundred Bushels per acre Potatoes. Six day Radishes. One thousand Bushels to the acre Beans. Two thousand Bushels to the acre Onions.

No, Mr. Customer, we only claim for our seeds that they are all Pure, Genuine and Unadulterated and will produce crops equal to any anywhere. Remember that when you spend 10c on seed you often pay 5c for bluff and 5c for seed that in many cases is only inferior. We have started a pure seed campaign, come and join us.



IMP. GOLDEN SELF BLANCHING

**Culture** Celery seed is slow to germinate and when early plants are wanted it should be sown in a hotbed in February or March, barely covering the seed. When the plants are large enough, transplant into cold frames, one-and-a-half inches apart, water and attend carefully; keep the temperature moderate, and when the weather is suitable, from middle of May till June, transplant into the open ground. For main crop, sow in shallow drills in the open ground, as soon as the soil can be worked. See that the bed is kept well watered. Rolling or pressing in the seed will give more satisfactory results than merely covering it. When the plants are two inches high, thin out to three inches apart in the rows; and when four inches high, cut off the tops to make the plants stocky. The best time to plant is that which will bring the plants to maturity during the cool, moist weather—in this locality from the middle of June to early in July. Never hoe or earth up in moist weather, nor when the plants are wet with dew as it would cause serious injury. One ounce of seed will produce 4,000 to 5,000 plants.



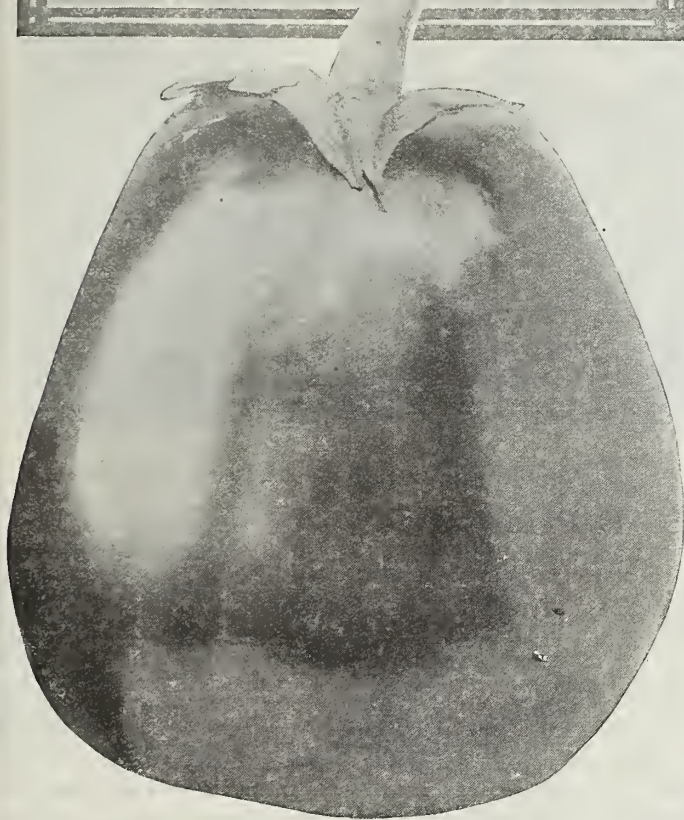
IMPORTED SOLID CRYSTAL WHITE

Don't Fail to See Our Offers to the Young Folks on Page 71





## Egg Plant



**Culture** Sow seeds in hotbed or boxes in March or early in April. When plants are two inches high, or have formed two rough leaves transplant them into beds and set 3 to 4 inches apart. Keep beds closed and very warm, shading from direct rays of the sun and giving an abundance of water until the ground is warm and all danger of frost and cold nights is past; then harden the plants by gradual exposure to the sun and air; and increase the supply of water; transplant to the open ground late in May or June, into warm rich soil, 2 to 3 feet apart each way, according to the richness of the ground. When about a foot high draw the earth up to the stems. Care should be used in cutting the fruit, so as not to disturb the roots of the plants. One ounce of seed produces about 1000 plants.

### "New York Improved Purple"

This is the leading Egg Plant for home and market. The plant is a very vigorous grower. The fruit is large, fine, and free from thorns and can be depended upon to produce until frost. The skin is a rich deep purple and the flesh is white and of good flavor. There is no better Egg Plant than our New York Improved Purple. The seed is specially saved and can be relied upon to give every satisfaction.

Cat. No. 215B—Large pkt., 10c; 3 pkts., 25c; 1 oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

## Leek

**LEEK. Culture.** Sow seed in early spring in rows 1 foot apart and 1 inch deep. When 6 inches high transplant to 6 inches apart in rows 12 inches apart; as they grow draw the soil up around them. This process tends to bleach the leek and to make more palatable the edible portion. Seed required per acre, 4 lbs.; 1 oz. for 100 feet of drill.

### "Kelway's Prodigy"

Is very hardy and of fine flavor, it has been tried side by side with all the best advertised sorts and has beaten them all. It produces immense stems of deliciously flavored well blanched leaves.

Specimens have been grown, weighing upwards of 4 lbs. each. No garden should be without a patch of this fine vegetable.

Price—Per pkt., 5c; 1 oz., 20c; ¼ lb., 60c; 1 lb., \$2.00, postpaid.

## Endives-Kohl Rabi

### Improved Extra Green Curled Endives

For a succession of crops from summer to winter sow in May, June, July, and August. As the plants get about 6 inches high, plant out in shallow trenches about 1 foot apart each way; water when planted and keep moist until established; tie them up to blanch as they get advanced to full growth, and cover them with hay or straw to protect them from frost. Endive is more useful as a salad late in the year; the leaves are also eaten boiled, and are very good.

Cat. No. 216B—Pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.20, postpaid.

## Kohl Rabi

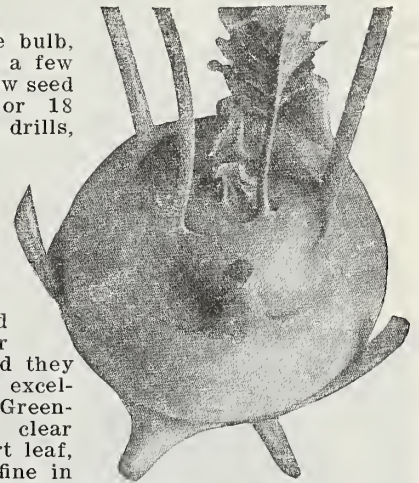
Early White Vienna—One ounce of seed will sow a drill of about 300 feet.

### Culture

The edible part is the bulb, which grows on a stalk a few inches above ground. Sow seed in drills allowing 16 or 18 inches space between the drills, and thin to 4 or 6 inches apart in the row. First sowing may be made as soon as ground can be worked in spring and successive ones repeatedly later.

When young and tender they are fine for table use; when matured they keep splendidly and are excellent for feeding stock. Greenish white outside with clear white flesh; smooth short leaf, good for forcing, extra fine in quality. The best early Kohl Rabi for table use.

Cat. No. 217B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

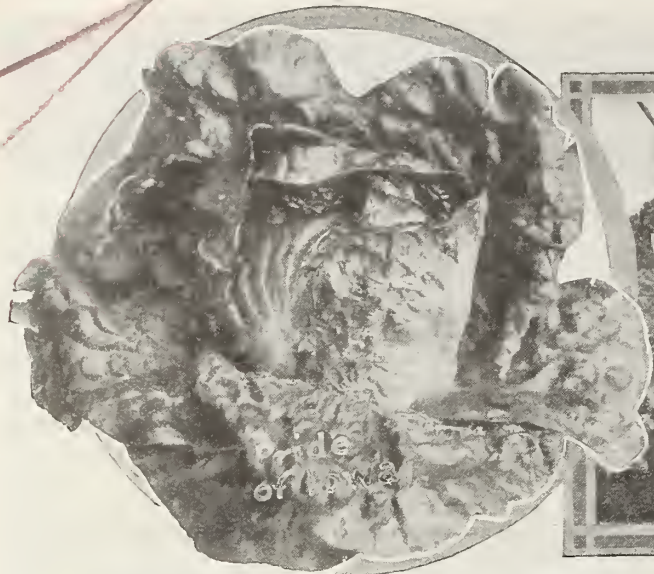


## Herbs

### Sweet, Pot, Culinary, and Medicinal

Herbs delight in a rich, mellow soil. Sow in early spring in shallow drills 1 foot apart; cover lightly with fine soil, and when up a few inches thin out, or transplant into prepared beds. Care should be taken to harvest properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack closely in bottles or dry boxes to exclude the air. Varieties in the list marked with a star are perennials. Cat. No. 218B—

	Oz.	Pkt.
Anise	10c	5c
*Balm	15c	5c
Caraway	10c	5c
*Catnip, or Catmint	30c	5c
Coriander	10c	5c
Dill	10c	5c
*Fennel, Sweet	10c	5c
*Horehound	20c	5c
*Lavender, Sweet	15c	5c
Peppermint	10c	10c
*Rosemary	35c	5c
*Rue	20c	5c
Saffron	10c	5c
Summer Savory	10c	5c
Sweet Basil	10c	5c
*Sweet Marjoram	15c	5c
*Thyme	35c	5c
*Winter Savory	20c	5c
Wormwood	20c	5c
*Sage	10c	5c



**Culture** Lettuce seed should be sown very early in the spring and at intervals of 15 days for a succession; sow the seed in shallow drills—being careful to firm the soil well over the seed and thin to 4 inches apart in a row. Two ounces of seed will sow 150 feet of rows. 4 to 5 lbs. seed required per acre. Lettuce also does well in greenhouses or hotbeds in the winter and when grown there, gives entire satisfaction.

**A Good Batch of Pride of Iowa Lettuce**

**“G-B Pride of Iowa”**

Without doubt this is the best of all the head lettuces. An ideal variety for early spring planting. It is a very hardy and will stand extremes of weather better than any other variety. In color it is of an attractive green. It is both tender and crisp and does not get bitter with age; the heads cut for market can be kept fresh for a long time, a quality which renders it invaluable for the market gardener. Our own crop grown on our Waterloo Seed Testing Farm was all that the most critical could desire. We strongly urge lovers of head lettuce to give Pride of Iowa a trial. We are confident it will give satisfaction wherever tried.

Cat. No. 220B—Large pkt., 10c; 3 pkts., 25c; 1 oz., 20c; 1/4 lb. 60; 1 lb., \$2.00 (postpaid).

**Grand Rapids**

The most popular variety for greenhouse or frames. It will make a quick growth even under adverse circumstances. It is of handsome appearance; a strong grower and not subject like so many other varieties to rot; will remain fresh a long time after cutting, making it specially suitable for Market Growers. Its upright habit of growth will permit of much closer planting than is usual with lettuce plants; does not form heads but makes large compact bunches of light, crisp, delicious leaves.

Cat. No. 221B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; 1/4 lb., 40c; 1 lb., \$1.20 (postpaid).

**Send Us In At Least One Order**

“Galloway Hi-Quality” Pure Seeds Stand the Test

Lingle, Wyo.  
My garden truck is fine from the seed I got of you. I had the finest garden beets in the country. I certainly can recommend your seeds as pure and not mixed. They are the best ever. Yours truly,  
Mrs. Edna Brewer.

Ft. Madison, Iowa.  
In regard to the garden seed. We were well pleased with everything that we got. It was true to name and everything grew fine and yielded abundantly.  
C. G. Anderson.

Detroit, Minn.  
The seed which I got from you this spring has given very satisfactory results. The cauliflower particularly has made an excellent showing.  
Yours truly,

Gust Blom.  
Carmel, Maine.

Galloway Bros., Bowman Co., Waterloo, Iowa.  
Dear Sirs: The seed which I received from your house were very satisfactory. I think every one must have come. I have never had better onions.

Please send me a catalogue for next season when published.  
R. F. D. No. 2 P. O. Bryant, Carmel, Maine.





Pure Genuine and Unadulterated Seeds that Grow



**Big Boston**

A very desirable large variety for forcing in cold-frames and for outdoor planting. Plants large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color. One of the most popular sorts in the South for shipment to Northern markets. It forms good sized heads and does particularly well during the cool fall and spring months. Heads of a pleasing light-green color, firm and of superior quality. When grown in cold frames, the heads are not as tight as when grown outside. One of the best market varieties we know.

Cat. No. 222B—Large pkt., 5c; 3 pkgs., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.20, postpaid.

**“May King”**

This is a German introduction of very great merit. It has solid heads and will bear transportation better than almost any other variety. For early spring planting in the open ground or under glass it is unequalled. The plants grow 6 to 7 inches in diameter and the outer leaves are so closely folded the plant is practically all head. It is hardy as well as very early and a quick grower, thus ensuring tenderness. Leaves are a light green, the outer leaves slightly tinged with brown, inner leaves a bright yellow. The flavor is particularly rich and buttery. It is an immense favorite everywhere both in the home garden and the market.

Cat. No. 223B—Large pkt., 10c; 2 pkgs., 15c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

**Prizehead**

Forms a large, tender, crisp, loose head of bright green, crimped leaves tinged with brownish red, of superior flavor, long remaining sweet and slow to run to seed. A splendid variety either for forcing or the open ground. This is one of the finest lettuces for all the year round use in cultivation.

Cat. No. 224B—Large pkt., 5c; 3 pkgs., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.20, postpaid.

**“Galloway-Bowman’s Black Seeded Simpson”**

Much larger than ordinary Simpson, produces a compact mass of leaves, light color, crisp and nutty. Few lettuces are more widely known than Simpson’s Black Seeded. It is an excellent kind, either for forcing under glass or for the open ground, a good heat resister and remains long in edible condition. We strongly recommend Black Seeded Simpson to anyone requiring a good lettuce.

Cat. No. 225B—Large pkt., 5c; 3 pkgs., 10c; 1 oz., 20c; ¼ lb., 45c; 1 lb., \$1.20, postpaid.

**Giant White Cos.**

Although not well known in America this beautiful lettuce is almost universally grown on the continent of Europe. In England or France it would be hard to find a garden without it. As a solid lettuce it is without an equal. Last season we had quite a number of our customers inquire for it and we made up our minds to secure a stock this season and list it with our other lettuces, thus giving our customers an opportunity to give it a trial. The Giant White Cos is the finest and most highly selected White Cos Lettuce in cultivation. It is of large size, perfect form, self folding and very crisp. It is hardly ever known to run to seed. We feel sure our thousands of English, French and German customers will appreciate this opportunity to secure a lettuce like the one they used to grow at home.

Cat. No. 226B—Large pkt., 10c; 2 pkgs., 15c; 1 oz., 20c; ¼ lb., 45c; 1 lb., \$1.50, postpaid.

**They do well away up in Maine**

TESTIMONIAL

N. Anson, Me.

In regard to your seeds that I purchased last spring will say that I can recommend them to anybody.

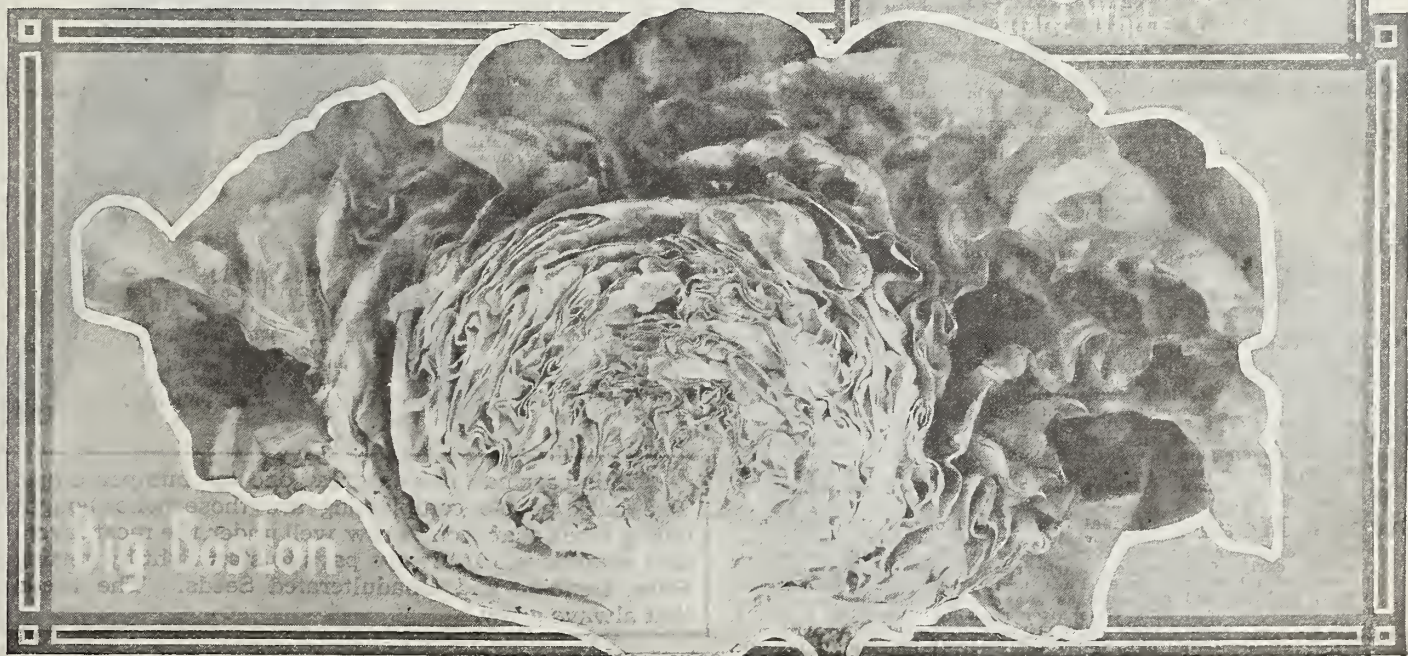
Very truly yours,

E. H. Gooch.

Chief Engineer, Franklin Power Co.



**Remember** We specialize in everything we offer, we don't have 20 different names for practically the same thing but give you only one of its kind absolutely and positively the best, no seconds or thirds. Try some of our pure seeds.





# WATERMELONS

**Culture** The soil for water melons must be light, rich and sandy, for if grown on a heavy soil the quality will be poor and they will not be so early. When there is no more danger of frost, drop 8 to 10 seeds, 8 to 10 feet apart each way, covering about 3/4 inch deep. As soon as plants commence to run, thin out to 3 best plants in a hill and cultivate until the vines cover the whole ground. If slow to fruit, pinch off the ends of the growing shoots. Ash or air-slacked lime sifted on the young plants while dew is on is good to keep the insects out. One ounce will plant about 30 hills, and it takes 3 to 4 pounds to an acre.

**Kleckley Sweet** This high bred water melon was originated in the South by Mr. W. A. Kleckley, after whom it was named. It is especially celebrated for its superb and delicious flavor. It is a long oval shaped melon, with a deep green rind. The flesh is scarlet, very firm and of luscious quality and crisp texture. It is becoming more widely popular every year. It is a really grand family melon. It gives satisfaction wherever grown and is specially adapted to the Northern latitudes. The rind is too thin to permit of long distance shipment.

Cat. No. 230B—Large pkt., 5c; 1 oz., 10c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid). Express 5-lb., \$4.00  
10-lb., \$7.00

**Phinney's Early** One of the best of the earlies, very extensively grown in the Corn Belt districts and highly spoken of by all who have grown it. A fine oblong melon, flesh pink, crisp and delicious flavor. An abundant bearer.

Cat. No. 231B—Large pkt., 5c; 1 oz., 10c; 1/4 lb., 20c; 1 lb., 60c. Postpaid.

**Ice King** Fruit nearly round, with dark green skin, flesh deep pink, very sweet and melting, a general favorite with Market Gardeners everywhere, a very desirable melon in every way.

Cat. No. 232B—Large pkt., 5c; 1 oz., 10c; 1/4 lb., 20c; 1 lb., 60c. Postpaid.

**Halbert Honey** This is a grand melon, equalling in flavor and as handsome in color as Kleckley's Sweet, but much more regular in form and a great deal more productive. It grows quite as long as the Kleckley's Sweet. The melons are blunt at both ends and generally free from the slightest appearance of neck, in size the average 18 to 20 inches in length and 6 to 8 inches in diameter, color of rind a deep glossy green. The flesh is a beautiful deep crimson, extending to within 1/4 inch of the rind which like the flesh is so tender that it will not stand shipping any distance unless carefully handled. It is essentially the home melon for the home garden and local markets. Our pure genuine and unadulterated seed is bound to give every satisfaction as it is saved only from the finest and best fruits.

Cat. No. 233B—Large pkt., 5c; 1 oz., 10c; 1/4 lb., 30c; 1 lb., \$1.00. Postpaid.

**Dixie** A decidedly popular Melon. A cross between the Kolb's Gem and the old reliable Mountain Sweet. It surpasses the Kolb's Gem as a long distance shipping Melon, while it fully equals Mountain Sweet in its excellent flavor, and is ten to twelve days earlier than either. In shape about one-third longer than thick; color of skin dark green and beautifully striped; rind thin, but remarkably hard; flesh bright scarlet, sweet and juicy.

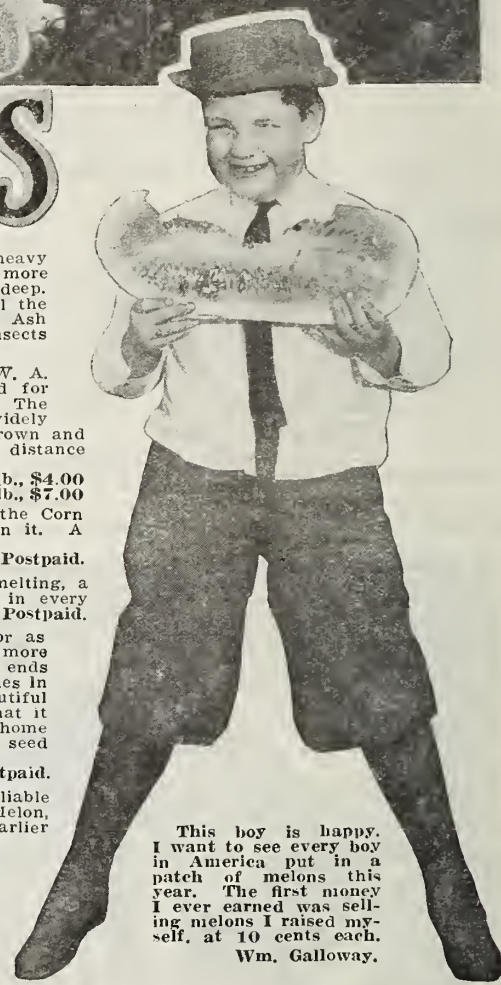
Cat. No. 234B—Large pkt., 5c; 1 oz., 10c; 1/4 lb., 20c; 1 lb., 60c. Postpaid.

**Tom Watson** An exceedingly fine melon for which there is a tremendous demand. It is oblong in shape, with a deep green skin over which is a thick netting. It is quite distinct from all other varieties. It originated in Georgia, a state noted for the production of fine water melons and this variety is a fine example of what a really first class water melon should be. The rind is thin, but very tough and the flesh is a bright attractive red color of a sweet delicious and satisfying flavor. Its fine appearance and quality makes it most desirable for both the home garden and the market. We cannot really say too many good things for this fine water melon.

Cat. No. 235B—Large pkt., 10c; 1 oz., 15c; 1/4 lb., 40c; 1 lb., \$1.40. Postpaid. By express 1 lb., \$1.25; 5 lbs., \$5.00; 10 lbs., \$9.50.

**Sweet Heart** A real favorite and one of the best. This fine variety is an entirely distinct and handsome water melon. Vines very vigorous and productive, ripening early, fruit large, nearly round, very heavy, uniformly marked with light and green lines, flesh bright red, solid and very tender, melting and as sweet as sugar. The melons retain their good qualities for a long time after ripening and being gathered. It at once establishes itself as a prime favorite wherever grown.

Cat. No. 236B—Large pkt., 5c; 1 oz., 10c; 1/4 lb., 20c; 1 lb., 60c. Postpaid. By freight or express any 60c melon, 5 lbs. for \$2.50; 10 lbs. for \$4.50.

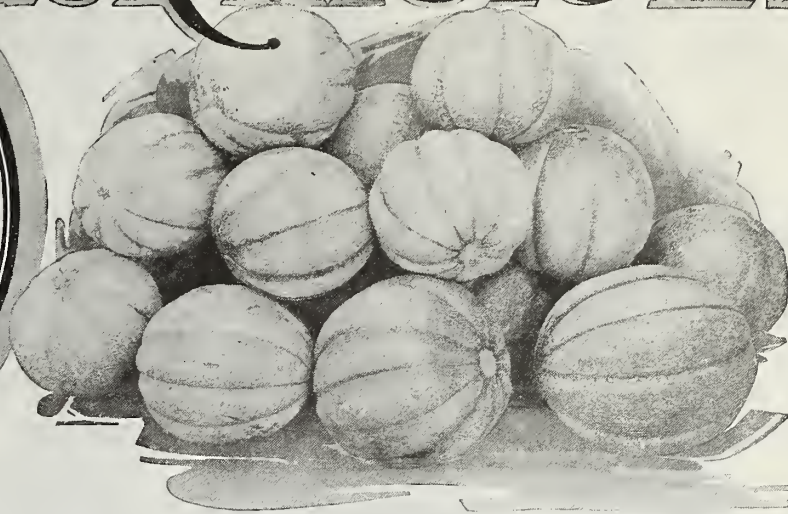


This boy is happy. I want to see every boy in America put in a patch of melons this year. The first money I ever earned was selling melons I raised myself, at 10 cents each.  
Wm. Galloway.

This year has been a great one for bumper crops. The only people complaining are those who bought cheap seeds that won't grow well under the most favorable conditions. It always pays to start right by getting Pure, Genuine and Unadulterated Seeds. The seeds that always grow.



# Muskmelons



**Culture** Melons thrive best in a light, rich soil. Plant early in May, when the ground has become warm and dry, in hills 5 to 6 feet apart each way for Muskmelons, 8 to 10 feet for Watermelons. Previous to sowing the seed, mix a few shovelfuls of well-rotted manure in each hill and plant in each 12 to 15 seeds; after all danger of bugs is over, thin out to three or four plants per hill. A few hills for early use may be had by sowing on pieces of sod in a hot-bed and when warm

enough transplant to open ground. Melon vines are subject to the same destructive insect and fungous foes as are cucumber and squash vines. Early and repeated spraying with Bordeaux Arsenate of Lead Mixture is always advisable for these crops. **Notice**—If we had fifty different varieties to pick these five are the ones we would pick out. Try some of all. They are all good. One ounce will plant 50 hills; 2 to 3 lbs, in hills per acre.

## Burrell's Gem

An orange fleshed Rockyford for a market where the orange fleshed muskmelons are in demand. They bring much higher prices. It has a tough, thin, rind well arched ribs, covered with a closely laced and interlaced gray netting. Shape quite elongated, flesh of a reddish orange, very thick, fine grained and juicy. The melons average about 2¼ lb. with an average size of 6 inches long, 4½ inches thick and will crate more evenly than any other melon grown.

Cat. No. 237B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.20, postpaid.

## "G-B Extra Early Hackensack"

A productive and profitable strain of the old Hagensack. The new form is about two weeks earlier and almost of equal size, the melon weighing from 5 to 10 lbs. each. In shape and color it is similar to the parent, the difference being in point of earliness which is sufficient to commend it to market gardeners. It is a round melon, flattened at the ends and ribbed. The skin is netted and the flesh which is green is rich and very sweet. It is a very prolific bearer and fine for shipping. Also for the private garden.

Cat. No. 238B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.20, postpaid.

## "Paul Rose or Petoskey"

Owing to its superiority over all other muskmelons as a shipper there is a very great demand for it from Market Growers. It is an ideal melon, form oval, about 5 inches in diameter, shape and general appearance similar to Netted Gem of a light green or faint golden hue when fully ripe; flesh very firm; a fine rich orange red, like the Osage, but much sweeter and better flavored; ripens right close down to the rind and the seed cavity is exceedingly small. It is just the right melon for hotel and private use, being of convenient size. Really has no equal as a market melon for professional growers and certainly one of the best sorts for the home garden. We cannot too strongly recommend Paul Rose or Petoskey to melon growers looking for a really high grade muskmelon.

Cat. No. 239B—Large pkt., 10c; 2 pkts., 15c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

## G-B Improved Rockyford Cantaloupe

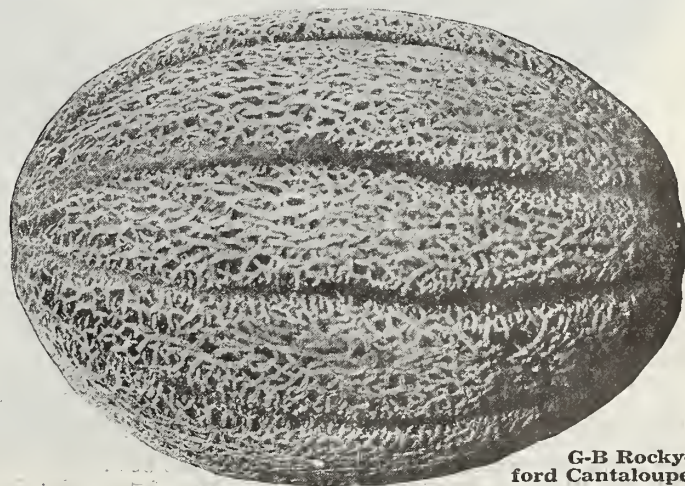
This is one of the best known of all muskmelons. It is of the Netted Gem Type, oval in shape and beautifully netted. It has been improved at Rockyford, Colorado, a district noted for its fine muskmelons. They average about 6 inches in length and are of most delicious flavor. The flesh is smooth grained and light green color. We put in a good batch of these on our Seed Testing Farm and they were all that could be desired, perfectly true to name and type.

Cat. No. 240B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.20, postpaid.

## "Osage or Miller's Cream"

A very popular melon of medium size nearly round, with skin ribbed and slightly netted. The flesh is salmon color and very luscious flavor. The flesh is exceptionally thick, there being scarcely any cavity in the center of the largest fruit. A favorite variety for the later markets.

Cat. No. 241B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.20, postpaid.



G-B Rockyford Cantaloupe



Re-selected

# Onions



One ounce for 200 feet of drill,  
4 to 5 pounds for one acre.

## Culture

For early green or bunching onions sow seed of Silver Skin or other hardy white varieties in early August, in well prepared and well drained rich, loamy soil, giving one foot space between the rows, and using 20 pounds of seed per acre. In many localities they winter well without mulch or other protection. For dry fall bulbs, select a clean, rich, well drained and well manured piece of land, prepare a perfect seed bed and sow seed in early spring in drills 15 inches or so apart, using 4 to 5 pounds of fresh seed per acre. Use wheel-hoe and weeders freely and thin plants to stand at least 2 inches apart in the rows. Pull when tops begin to die down, cure and sell, or store in a cool dry place. For sets, select clean, sandy soil of medium fertility, prepare it well in early spring and at once sow seed in drills, a foot apart, using 40 to 60 pounds of seed per acre. Gather the sets when ripe, and store in a dry, airy place. They may be wintered in a slightly frozen condition, but must be protected from repeated freezing and thawing. In early spring following, plant them in shallow drills 12 inches apart, and about two inches apart in the drill.

By sowing seed of the Spanish type, such as the Prizetaker and Southport Globes, under glass in January, February or even March, and transplanting in April to open ground 3 to 4 inches apart in the rows, bulbs of immense size may be produced.

## Southport White Globe

An onion that always fetches tip-top prices in the market owing to its handsome appearance. It is silvery white in color, globe shaped in form, flesh pure white and of most delicious flavor and a grand keeper. The onions measure from 2½ to 3 inches in diameter and are wonderfully uniform. When ripe the bulbs should be stored in a dry shed to dry off. Under favorable circumstances Southport White Globe will yield up to as high as 900 bushels to an acre, making it an ideal crop for the market gardener. Its merits as a home garden onion are too well known to require any recommendation from us.

Cat. No. 241C—Large pkt., 5c; 3 pkts., 10c; 1 oz., 25c; ¼ lb., 70c; 1 lb., \$2.60, postpaid.

A Fine Field of Our Southport White Globe Onion

## Southport Yellow Globe

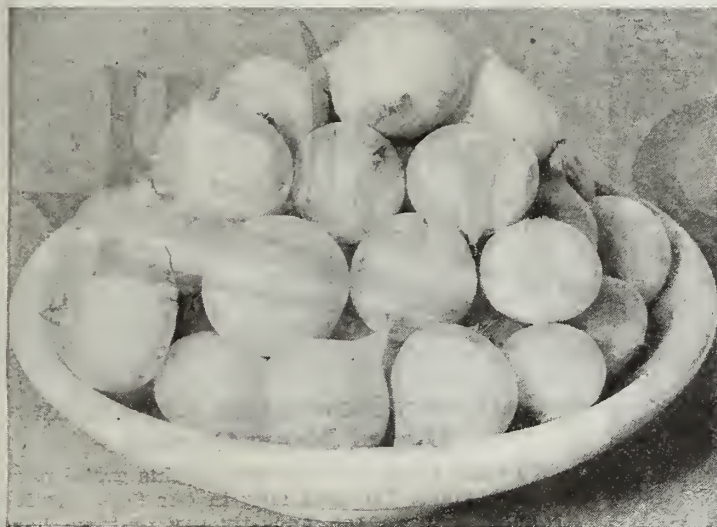
This is a very popular onion either for home use or the market. An onion that always gives satisfaction. It is an enormous yielder, very hardy and in every respect reliable. They grow very uniformly in shape and color. They are veritable globes of gold. They are very large, growing from 9 to 10 inches in circumference. The skin is an attractive light golden yellow. The flesh snow white, solid and juicy. We are confident that all customers who entrust their orders for these onions with us will be delighted with their crop for our seed is saved only from roots selected for their trueness of type and color. We handle only one grade of seed absolutely and positively the best.

Cat. No. 242B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.75, postpaid.

## Southport Red Globe

A good many grades of this onion are put upon the market which are anything but true to name. The seed we offer is the true Southport Red Globe and can be depended upon to give entire satisfaction wherever grown. It's a very handsome onion of immense size, averaging 9 to 10 inches in circumference, solid, heavy and of perfect globe shape. The skin is a rich purplish red, flesh pure white, very crisp and mild. It is very hardy and a grand keeper; yields immense crops of handsome bulbs, averaging under favorable conditions as high as 900 to 1000 bushels to the acre. We recommend this as the best that can be produced and certain to yield a bumper crop under careful treatment.

Cat. No. 243B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.75, postpaid.



G-B Favorite Pickler

**Prizetaker — "The King of All Onions"**

This magnificent onion is unexcelled as a money maker or for home use. Prizetaker is by far the handsomest, most productive, most popular and best of all Yellow Globe Onions. It is a bright clear straw color and always grows to a uniform shape, which is a perfect globe. It has a very small neck and ripens without stiffness of the neck. In the open market it never fails to attract attention on account of its beauty. It always brings a much better price than any other onion. The bulbs grow to an enormous size, often measuring 10 to 15 inches in circumference. The keeping qualities are all that can be desired. The bulbs appear to be as firm and solid in the spring as when stored in the fall. It has proven itself a real acquisition to farmers and gardeners and is today admitted to be the largest, finest flavored and most superior Yellow Globe Onion offered to the public. You never will regret giving this magnificent onion a place in your garden. Get some of our pure, genuine, and unadulterated seed. It grows.

Cat. No. 244B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c; ¼ lb., 60c; 1 lb., \$2.00, postpaid.

**G-B Select Danver's Yellow Globe**

A large early variety, an abundant cropper, very thick bulb, flat with slightly convex bottom, fine full oval top with a small neck and rich brownish yellow skin, just the onion for critical growers. It is an excellent keeper and perhaps the best paying onion that is grown for general crop. It has been the leading variety for years. If you want to grow a fine crop of these handsome onions get our specially selected seed. It is absolutely the best you can buy and we guarantee you will be delighted with it.

Cat. No. 245B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.75, postpaid.

**DISCOUNT**  
Take off 10c per lb., in 5-lb. lots—any kind.

**G-B Waterloo Wonder**

A tremendous onion of the Yellow Globe Type. The largest and heaviest cropper in existence. Its handsome form immediately attracts the attention and admiration of all who see it. The skin is pale yellow. The flesh snow white and the flavor delicious. As an Exhibition Onion it is without an equal. The bulbs attain to an immense size, bulbs of 2 to 2 ½ lbs. each being quite common, notwithstanding their great size. They are as solid as a rock. It is a good keeper and those who like an onion raw we recommend it on account of its acceptable pungent flavor. Seed very scarce.

Cat. No. 246B—Large pkt., 10c; 2 large pkts., 15c; 1 oz., 30c; ¼ lb., 90c; 1 lb., \$2.70, postpaid.

**G-B Favorite Pickler**

An extra early, very small, round and handsome variety. The color is a beautiful waxy white, flavor mild and delicate. This onion is used in all the best known pickle factories in this and other countries. A real favorite for the home garden owing to its very early maturity. Will mature from seed as early as those raised from the ordinary onion sets. As a pickler this delightful little onion stands absolutely by itself, unsurpassed and unsurpassable.

Cat. No. 247B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c; ¼ lb., 60c; 1 lb., \$1.75, postpaid.

**Large Red Wethersfield**

(Re-Selected Seed)

Quite a number of strains of this celebrated onion are offered, but we are confident our stock cannot be surpassed. As a keeper it cannot be beaten. It is an enormous yielder, producing anywhere from 600 to 900 bushels per acre. The skin is a deep purplish red, flesh pure white. The handsome bulbs often weighing up to 2 lbs. It probably has a larger sale than any other red skinned onion. It matures early and the flavor is good and mild. Just the onion for boiling. A leading variety in all sections.

Cat. No. 248B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.75, postpaid.

**ONION SETS**

We make a specialty of these. Get our special prices on quantity lots.

We only stock bottom sets as we believe them to be the most satisfactory. Although all onions if set out in the spring from seed attain full size and maturity the same season, there are yet many people who wish to plant out sets for early bunching or green onions and for such of our customers we have secured a very fine stock of Yellow, White, and Red Sets. We offer these at the rate of 32 lbs. to the bushel. Our prices on ¼ and ½ and 1 bushel lots are of course subject to market changes. Always order onion sets early if you wish to avoid disappointment. Get good solid sets.

Cat. No. 249B—	Postpaid		By Express		
	Pt.	Qt.	½ Pk.	1 Pk.	1 Bu.
Yellow Onion Sets.....	15c	30c	50c	90c	\$3.25
White Onion Sets.....	15c	30c	50c	90c	3.25
Red Onion Sets.....	15c	30c	50c	90c	3.25

Ask us for prices on larger quantities

**Best We Have Ever Grown**

Sheridan, Ind., Nov. 5, 1912—I ordered a few seeds from your house in the spring. They were the best that we had ever grown. Minnie M. Stout, Box 49.

**DISCOUNT**  
Take off 10c per pound if you order 5 lbs. or over. Any kind of onion seed.



**WATERLOO WONDER**



# Parsley

## Galloway-Bowman's Champion Dwarf Moss Curled

We seeded down two borders of this grand parsley each about 250 feet long in our Seed Testing Grounds, and we can honestly say that we have never at any time seen either here or on the Continent of Europe, a better lot of parsley. It was in every sense of the word perfect. We used it as a border, backed up with pretty annual flowers of every kind and we must say the effect was simply splendid. The habit of Galloway-Bowman's Champion Dwarf Moss Curled Parsley is distinctly dwarf, but very close and compact and beautifully curled. It would make a really good substitute for ferns as a table decoration. For garnishing and culinary purposes we proclaim it the very best in cultivation. The leaves are a beautiful dark green color. Sow broadcast or in drills in the early spring. Cat. No. 251B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.

Champion Moss Curled Parsley

June 26, 1913.  
 The garden seeds I received I will give you credit for, as they were the best I ever had at any time.  
 R. No. 6, Bx. 73. Joseph Johnson, Red Oak, Ia.

# PUMPKINS

**Culture** When the seed is planted with corn, plant only one row in five, which, when the vines begin to run may be omitted in cultivation and thus the plants will not be injured. Use a dibber and plant three to five seeds in every third hill of corn. Plant as a single crop in hills eight feet apart each way. Cultivate with a section of the harrow. Use paris green and land plaster or wood ashes to control the striped squash bugs. When well established thin to four plants in each hill. One ounce of seed will make 25 hills; 4 lbs. seed required for an acre.

### Galloway-Bowman's Sugar or Pie

Small, round, flattened, prolific, deep orange yellow; sweet and of very fine quality. The best for pies. Cat. No. 603B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 25c; 1 lb., 80c, postpaid.

### Galloway-Bowman's Kentucky Field or Large Cheese

A fine sort for family and market use and is also grown extensively for stock feeding. Grows about two feet in diameter. There are two Kentucky field pumpkins on the market. The old or common and the improved large cheese. Ours is the improved stock and it's true. Cat. No. 250B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 25c; 1 lb., 80c, postpaid.

This is the Pumpkin that Mother Used to Bake

Kill Bugs with Bug Death. 1 lb. 30c postpaid. By Express; 1 lb. 15; 3 lb. 35; 5 lb. 50



Sugar or Pie Pumpkin





Pure Genuine and Unadulterated Seeds that Grow



# Parsnips



Waterloo Marrow Parsnips

**Waterloo Marrow** A really fine parsnip. It is clean, smooth, and well shaped. Its flavor is unusually marrow-like and delicate. In our opinion it is the best strain of parsnip in cultivation. It is a perfectly clean root and has none of that objectionable coarseness so often found in the commoner varieties. We cannot too strongly recommend it to our customers either for the home garden or the market.

Cat. No. 255B—Large pkt., 5c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 75c, postpaid.

**Hollow Crown** The old well known variety, grown by Market Gardeners the world over; fine shape, crisp and of very fine flavor.

Cat. No. 256B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 50c (postpaid).

**Culture** Sow the seed in early Spring ¼ of an inch deep, in rows 12 to 18 inches apart. As soon as the young plants appear, cultivate and hand-weed them, and when 3 inches high thin to 6 inches apart in the row.

We only offer two parsnips absolutely and positively the best.

## Peppers

We only offer 3 peppers because we would rather sell three of the very best that are true to name than a dozen kinds with some inferior varieties.

**Culture** Those who have no hotbeds can sow a few seeds in boxes in the house where a temperature of 75 degrees can be maintained. Plant out early in June two and a half feet apart. One ounce will produce about 1,500 plants.

**Chinese Giant** An enormous fruiting variety, double the size of Ruby King, averaging 12 to 15 inches in circumference. Notwithstanding its large size it is very early and very prolific. Plants are healthy, well branched, about two feet high and carry an enormous load of fruit, often having the appearance of being bunched together. Flesh is thick, tender, mild and sweet, and is unexcelled for salad or stuffed mangoes. They can be sliced and eaten like tomatoes. When ripe the peppers are a rich, glossy, scarlet, making them of unusually fine appearance.

Cat. No. 252B—Large pkt., 10c; 1 oz., 40c; ¼ lb., \$1.10; 1 lb., \$4.00. Postpaid.

**Ruby King** The most popular large fruited pepper. Very prolific. The pods are a beautiful bright red, 5 to 6 inches long and 3 to 4 inches in diameter. Flesh exceedingly thick, sweet, and so mild that it is often sliced as a salad. Splendid for stuffing as mangoes.

Cat. No. 253B—Large pkt., 5c; 1 oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.25. Postpaid.

**Red Chili** Fruit is small, bright red, very hot and pungent. Plants are very productive. Generally used for making pepper sauce.

Cat. No. 254B—Large pkt., 5c; 1 oz., 30c; ¼ lb., 90c; 1 lb., \$3.00. Postpaid.



Red Chili



Ruby King

CHINESE GIANT PEPPER

Moose Creek, Ontario, Canada.  
Dear Sir: Nov. 26, 1913.  
I had better results from your seeds than any other that I planted and I shall certainly order my seeds from you next year so be sure and send me a seed catalog.  
Yours truly,  
N. D. Finlayson.



Pure Genuine and Unadulterated Seeds that Grow



# Peas

## Culture

Peas mature early when in a light, rich soil. For the general crop a rich, deep loam or clay, would be the best. Peas thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires enriching use well-rotted manure; and for the dwarf varieties you can hardly make the soil too rich. When grown as a market crop, peas are seldom staked or bushed but are sown in single rows 3 to 4 inches deep, the depth depending on the time of sowing, nature of the soil, as well as the variety. Wrinkled varieties are not as hardy as the smooth sorts, and if planted early should have dry, warm soil, and not planted deep, or they are liable to rot in the ground. These wrinkled varieties are, however, the sweetest and best flavored. Rows for planting should be from 2 1/2 to 3 1/2 feet apart, according to the kind, soil, and manner of culture desired. When grown in the kitchen garden, it is best to sow the seed in double rows 6 to 8 inches apart, the tall sorts requiring brush. Commence sowing early varieties as soon as the ground can be worked in the spring, and continue, for a succession, every two weeks up to the end of June, discontinuing until the middle of July, when a good crop can sometimes be secured by sowing an extra-early sort. One quart sows 100 feet of row. 1 1/2 bushels for an acre.



## Galloway-Bowman's Rentpayer

A pea without a rival about 20 inches high, the vines being very strong do not require support, tremendous cropper, the vines being literally covered with fine, long, well filled pods of a rich dark green color. The flavor of the peas cannot be surpassed. As an Exhibition pea it is ideal. The pods are about 6 inches in length and are usually filled with 9 to 10 well developed peas. The quality, productiveness and handsome appearance of this pea should induce all market gardeners to give it a place in their gardens. It is a never failing money maker and an acre would produce under ordinary circumstances sufficient of these grand peas to pay the rent of the average truck garden. They do well where most other varieties fail. We sold more of the Rentpayer Pea last season than all the other varieties put together and our customers are all delighted with it and say it is the best garden pea they ever grew. It's Northern Grown and will do well in any latitude. Get your orders in early and save disappointment.

Cat. No. 257B

Large pkt., 10c; 2 pkts., 15c; pint, 35c; 1 quart, 60c (Postpaid); by freight or express, 1/2 peck, \$1.75; 1/4 bu., \$3.00; 1 bu., \$11.00.



## American Wonder

This is a first class wrinkled pea of very dwarf habit, the vines growing less than 12 inches high. It is just the pea for the home garden. It is exceedingly early, being fit to pick in 6 weeks from the time of sowing. It is quite distinct from all other Peas in habit of growth and appearance, the vines being unusually robust and stocky. Seed Medium size, wrinkled

and pale green, flavor delicious and very sweet. The vines are literally covered with peas, owing to their quick growth. They can be sown right through the season and be depended upon to produce fine crops late into the fall.  
Cat. No. 258B—Large pkt., 5c; 3 pkts., 10c; pint, 30c; 1 quart, 50c (Postpaid); by freight or express, 1/2 peck, \$1.30; 1/4 bu., \$2.25; 1 bu., \$8.50.

## Notts Excelsior

A grand dwarf early pea of the American Wonder type, but a little taller, growing about 14 inches high, produces an abundance of well filled pods in about 48 days from time of sowing. The pods are somewhat larger than the American Wonder and contain eight to nine delightfully sweet dark green peas. This fine pea has become a prime favorite for the home garden.  
Cat. No. 259C—Price, large pkt., 5c; pt., 30c; qt., 50c (Postpaid); by freight or express, 1/2 pk., \$1.40; pk., \$2.60; 1 bu., \$9.00



Pure Genuine and Unadulterated Seeds that Grow



Galloway-Bowman's Little Gem

**LITTLE GEM**

The qualities of this pea are so distinctive and many and the strain such a popular favorite that its merits are well known to all. It is a dwarf green, wrinkled variety of an exquisite buttery flavor, almost perfection itself. It is a very early sort, of superb quality. Pods are of good size, and well filled. Grow about 18 inches high and very prolific.

Cat. No. 259B—Large pkt., 5c; pint, 30c; quart, 50c (post-paid); ½ peck, \$1.15; 1 peck, \$2.00; 1 bu., \$7.50.

**TELEPHONE**

**GALLOWAY-BOWMAN'S IMPROVED**

This is, without exception, the best main crop pea in existence. The pods are of immense size, of a fine dark green color, much more desirable than the light green of the ordinary Telephone, and are well filled with peas of the largest size, which are tender and deliciously sweet. The vines are tall and sure croppers. The best main crop pea for both the home garden and market growing. The Telephone is without doubt the most popular of all the garden peas. It has not acquired this public favor without merit. Medium early in season, bears a long time; the pods are always of good size, well filled, and the quality is of the very best. Does best when brushed.

Cat. No. 261B—Large pkt., 5c; pint, 30c; quart, 50c (post-paid); ½ peck, \$1.15; peck, \$2.00; 1 bu., \$7.50.

No matter how much you hoe, weed, cultivate or dig, no matter how good the soil or how good the season, without good seed you will surely fail. Pure seed is the smallest initial expense of any crop. Get pure seed and take no chances.

**ALASKA**

The earliest pea on the market. The seed is smooth and of bluish color. On this account it is very popular with canners. It is also one of the most desirable first early market garden sorts. Very uniform in ripening and an excellent yielder. Grows only 1 foot high and is completely covered with well filled pods of deliciously flavored peas. Another fine pea for sowing at intervals of a few weeks during the season in order to insure a continuous supply. Owing to its hardiness Alaska can be sown earlier than any other dwarf pea.

Cat. No. 260B—Large pkt., 5c; pint, 30c; quart, 50c (post-paid); ½ peck, \$1.15; peck, \$2.00; 1 bu., \$7.50.

**"PROSPERITY OR GRADUS"**

**AN EXTRA EARLY WRINKLED PEA**

This remarkable pea has produced a sensation in the horticultural world, and there is no longer any doubt about its position and standing. It is now recognized as a leader. It is not only large and of best quality, but it is as early as the small, round, extra early sorts. It may be planted as soon as the ground is fit to work in spring, along with the smooth peas. It promises to take the place of the smooth peas in general culture to a great extent. Prosperity or Gradus is a wrinkled pea, with vine growing 18 to 30 inches high. It requires no sticks or brush, though sticks may be used, if preferred. The peas are freely borne, and remain in good order for a number of days. The pods are of a bright green color, and measure 3 inches or more in length, being as large as Telephone, and equally well filled with luscious peas—8 to 10 or more in a pod. The peas themselves are of a first class table quality and retain their color and attractive appearance after cooking. The pods are round and plump. On a light sandy soil it attains a growth of only 15 to 18 inches, while on a rich, heavy loam it reaches 30 inches. It is entirely adapted to the purposes of the market gardener, requiring only good field treatment.

Cat. No. 262B—Large pkt., 5c; pint, 35c; quart, 60c (post-paid); 4 quarts, \$1.85; ¼ bu., \$3.00; 1 bu., \$10.50.

**What Nitragin Will Do for Garden Peas**

Increase your yield of Garden Peas 100% by inoculating your seed with "NITRAGIN." Get two bushels of peas where now, you are only getting one. "NITRAGIN" will not only increase the yield but the quality too. Instead of small, unhealthy, sickly looking, half filled pods, "NITRAGIN" will insure a bumper crop of rich green well filled pods of delicious peas.

No market gardener can afford to sow down peas without first inoculating them with "NITRAGIN." Most market gardeners depend upon their early peas to help carry them through and really cannot afford to take any chances. "NITRAGIN" is the one thing needed to insure a good crop. We have hundreds of letters from pea growers all over the United States telling us how delighted they are with their pea crops since using "NITRAGIN." In many cases they report double and treble crops as the result of inoculating their seed with "NITRAGIN."

**Garden Peas**  
I purchased from your firm some "NITRAGIN" which I used for garden peas and I certainly harvested a wonderfully large crop.  
WM EIPLER.  
Altoona, Pa.

**Garden Peas.**  
I tried the "NITRAGIN" on my early peas with good results. I enclose \$2.00 for another can for late peas, which send as soon as possible, as I want to use it.  
Yours truly,  
C. H. BUTTS.  
Saunderstown, R. L. R. D. Box, No. 74.

Inoculated garden peas develop an enormous root growth which becomes literally covered with "Nitragin" carrying nodules which after the pea crop is harvested distributes itself in the soil and so enriches it for succeeding crops.

Corn grown after "NITRAGIN" inoculated peas, has often produced 50 to 100% heavier crops. Thousands of cans of "NITRAGIN" were used last year by truckers in

the eastern states and they all express themselves as more than pleased with the results, in fact so thoroughly satisfied are they, that we anticipate doubling, or even trebling our output of "NITRAGIN" with this class of growers this season.

The great canning industry of the United States is fast realizing the importance of inoculating their seed with "NITRAGIN" before sowing. They realize that if the season is unfavorable for pea growing that "NITRAGIN" will help their crop to withstand the adverse conditions and mature a crop and if the weather is favorable, that the inoculated peas will produce just the kind of crop that the critical canner delights to see. An abundance of pods well filled with rich green peas of a No. 1 quality.

"NITRAGIN" is now put up in half acre size cans, which can be used to inoculate one-half acre or less, and is within the reach of the small trucker and the home gardener. One dollar is all we charge for our half acre size of "NITRAGIN." If you are a pea grower, our advise to you is to get a can and give it a trial, it will be the best investment you ever made. "NITRAGIN" never disappoints.

**Price, 1 acre cans, \$2.00, \$2.10 postpaid; ½ acre cans, \$1.00, \$1.05 postpaid. Nitragin for Garden Beans same price.**

**NITRAGIN IS NOT an expense because it will pay for itself and leave a big profit.**

**50% Increase in Lima Beans**  
You will undoubtedly be interested in learning that "NITRAGIN" produced an increase of 50 per cent on lima beans—and this under adverse circumstances, for the soil showed considerable acidity at the time the beans were planted. The land where these beans were planted is more or less inoculated for lima beans and the fact that the part of the crop inoculated with "NITRAGIN" gave 50 per cent increase in yield, warrants me in saying your product can be used to advantage, and with profit, everywhere.

Yours very truly,  
W. L. TAYLOR.  
Milwaukee, Wis.

**Treated Twice as Large as Untreated**  
Will say that the peas I inoculated with "NITRAGIN" are twice as large as the plot along side not inoculated.  
ANDREW M. CHRISTENSEN.  
Norwick, N. Y.



# About Peas

Probably no vegetable is more welcome in the early summer than the pea. How many, we wonder, are there who look forward with eager anticipation to their first dinner of lamb and peas. We have never yet heard of a single individual without an appetite for this delicious vegetable, and seeing that a good supply can be obtained for so small an outlay everyone should grow a patch of them. To ensure a constant supply during the summer, they must be sown successionally. First, put in a patch of good first early dwarf variety, say Alaska or American Wonder. Follow these up with a good main crop—in our opinion absolutely the best main crop pea—Galloway-Bowman's Rentpayer, and for a late pea put in Telephone. The last in our opinion about as good a late pea as it is possible to get.

Never allow your peas to remain on the vine after they have matured as this lessens the productiveness of the vines. Keep picking and they will produce to their limit.

Apply liquid manure to the roots as often as possible.

## First and Best

An extra early pea with a great reputation in all districts. Vines vigorous and hardy, 2 feet high, bearing as many as seven fine straight pods, each containing five to seven handsome peas of delicious quality, a very heavy cropper and good drought resister. A fine pea, either for the home garden or the market.

Cat. No. 263B—Large pkt., 5c; 3 pkts., 10c; 1 pint, 30c; 1 qt., 50c (postpaid); by freight or express, ½ pk., \$1.30; ¼ bu., \$2.00; 1 bu., \$7.50.

## Champion of England

We are pleased to be able to offer our customers a very select stock of this grand favorite. Last season we had many calls for it but were unable to secure a stock that we could depend upon to give entire satisfaction so left them entirely alone. The stock we now offer has been grown for us by one of the most reliable growers from specially select stock seed and we know all who grow it will be thoroughly pleased with their crop. It is a main crop variety of vigorous growth, about 4 feet high, producing an abundance of pods of immense peas that are noted for their tenderness and rich, marrow-like flavor. It would indeed be very hard to equal in quality and productiveness this grand old pea.

Cat. No. 264B—Large pkt., 5c; 3 pkts., 10c; 1 pint, 30c; 1 qt., 50c (postpaid); by freight or express, ½ peck, \$1.40; ¼ bu., \$2.50; 1 bu., \$8.50.

## Horsford's Market Garden

This is a real gem, appreciated by all who have grown it; only grows two feet high, very stocky and requires no brush, a wrinkled variety of superfine quality. The pods which are borne in pairs are of good size and filled with deliciously sweet peas. An excellent variety for all purposes. The fact that this grand pea is in so much demand from market growers is in itself a guarantee of its real worth. We cannot too strongly urge our customers to give this fine pea a trial.

Cat. No. 265B—Large pkt., 5c; 3 pkts., 10c; 1 pint, 30c; 1 qt., 50c (postpaid); by freight or express, ½ peck, \$1.40; ¼ bu., \$2.50; 1 bu., \$8.50.

FIRST AND BEST



## "Stratagem"

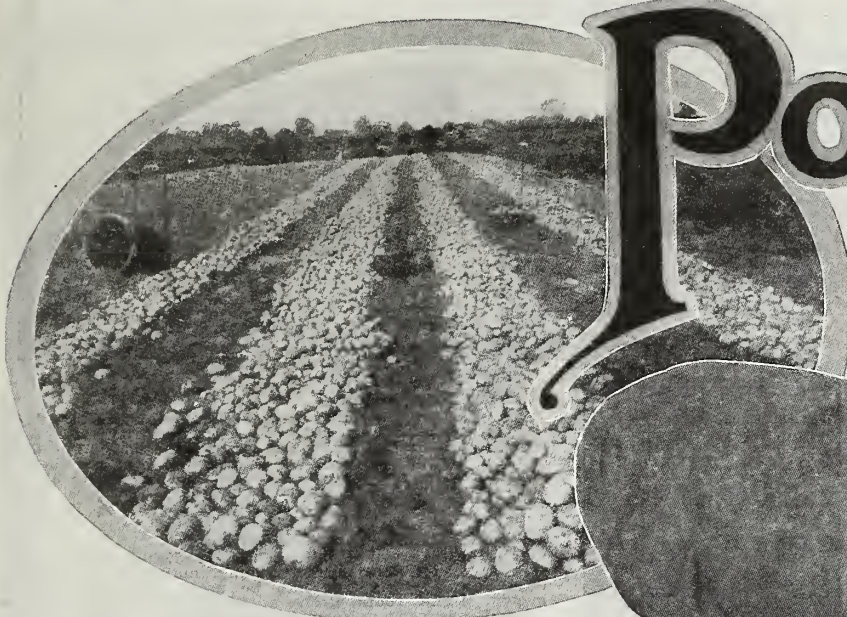
This favorite with garden and home grower is indeed a remarkable variety. The vines are strong, vigorous and covered with immense pods, many of which measure as much as five inches in length and containing quite frequently ten, fine, large, richly flavored, uniform, wrinkled peas. Each seed as a rule produces two stalks, which make it extra productive. Peas are dark greenish color and retain their tenderness and sweetness long after maturity.

Cat. No. 266B—Large pkt., 5c; 3 pkts., 10c; 1 pint, 30c; 1 qt., 50c (postpaid); by freight or express, ½ peck, \$1.45; ¼ bu., \$3.25; 1 bu., \$12.00.

**ORDER EARLY!** Now when you receive this catalogue is just the right time to order. There is a tremendous demand for our seeds. Good seed is scarce this year. We fill every order as promptly as possible, but we would advise you not to wait until the last minute to order. Every order will be taken in its turn. **Why not get your order in now?**



Pure Genuine and Unadulterated Seeds that Grow



# Potatoes

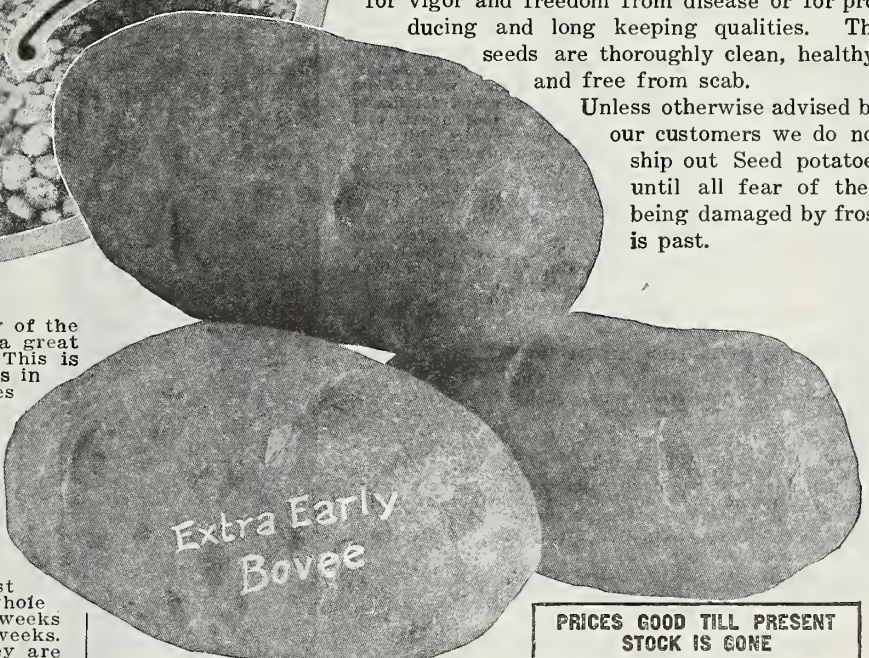
## NOTE

All our seed potatoes are grown in Minnesota and North Dakota. No seed potatoes anywhere can be compared to our Northern Grown, either for vigor and freedom from disease or for producing and long keeping qualities. The seeds are thoroughly clean, healthy, and free from scab.

Unless otherwise advised by our customers we do not ship out Seed potatoes until all fear of their being damaged by frost is past.

### Extra Early Bovee

It is unquestionably the largest yielding of any of the early potatoes, and in competitive trials has in a great many cases outyielded even the late varieties. This is due to the compact habit of the vines and tubers in growth, which permits of planting six inches closer. Oval shape, pink color and fine even size, smooth shallow eyes. Its fine table qualities are very apparent and greatly appreciated for its richness, dry flouriness and delicious and highly palatable flavor. By freight or express. Cat. No. 267B— $\frac{1}{4}$  bu., 60c; 1 bu., \$2.25; 10 bushel lots, \$2.10 bu.



PRICES GOOD TILL PRESENT STOCK IS GONE

### Extra Early Ohio or Six Weeks

(Red River Grown.)

The earliest potato grown and perhaps the best known and most universally appreciated of the whole potato family. They are ready for cooking in 6 weeks from planting and reach maturity in about 8 weeks. As a market variety it is without a rival. They are selected with the utmost care and we are confident our seed will satisfy everyone. By freight or express. Cat. No. 268B— $\frac{1}{4}$  bu., 60c; 1 bu., \$2.25; 10 bu. lots, \$2.10 bu.

### Rural New Yorker

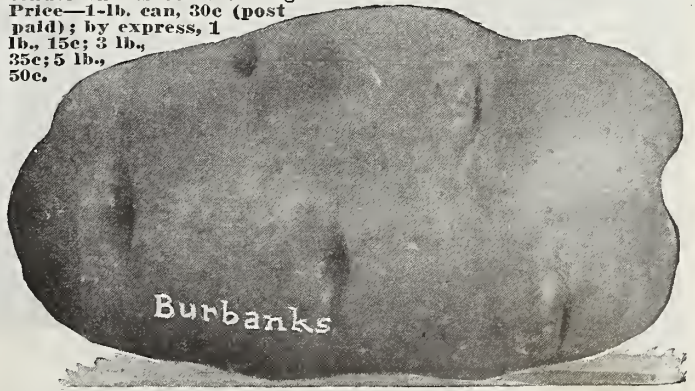
A very distinct and valuable main crop sort. The tubers attain a large size and are of wonderfully smooth skin. The eyes are few, distinct and shallow. It is a very healthy and vigorous variety, as is attested by the growth of vine and solidity of the tubers. A very heavy yielder; under ordinary circumstances will yield from 200 to 500 bushels per acre. A splendid market variety. Cat. No. 269B— $\frac{1}{4}$  bu., 75c; 1 bu., \$2.00; 10 bu. lots, \$1.85 bu.

### Burbank

The most largely used of all late varieties. Is grown to a good size and is of excellent quality. The flesh is white, very mealy and of fine flavor. It is a fine potato for baking. We know of none better. A very heavy yielder. Does exceptionally well in heavy soil. Cat. No. 270B— $\frac{1}{4}$  bu., 60c; 1 bu., \$2.00; 10 bu. lots, \$1.85 bu.



**Bug Death** Save your cucumbers by using Bug Death. This bug killer is quite harmless to plant or animal life, but will certainly prove thoroughly effective in ridding your plants of bugs, worms and other destructive pests. Can be used dry or with water. Apply when the first tender shoots come through. Price—1-lb. can, 30c (post paid); by express, 1 lb., 15c; 3 lb., 35c; 5 lb., 50c.



# Radishes

Imported  
Seeds



**Culture** Sow early and often. In good, warm, fibrous loam, especially if quite sandy, summer Radishes will make a crop in 4 to 6 weeks from sowing. The soil should be well prepared and fertilizers may be used freely. Have the rows a foot apart, and sow just seed enough so they will not require thinning. Any little spot that becomes available during summer may be utilized for planting Radishes. The short or turnip-rooted sorts are quickest and easiest to grow, and good for forcing also. On greenhouse bench or in frames, the rows need not be more than 4 inches apart. Sow winter Radishes in July and August. They grow best in the cooler autumn weather. Take them up before severe freezing and store in sand in the cellar, or in a pit where they will keep tender and crisp all winter.

**One Ounce of Seed Will Sow 100 Feet of Drill**

## Galloway-Bowman's Improved Long Icicle

Without doubt the best of all radishes. A fine transparent white, growing from 4 to 6 inches long with small tops which allow of close planting, are very crisp and brittle. They remain a long time in sound condition while growing, thus allowing a long continued pulling from the time of sowing. It does not get pithy, is a good radish for forcing. It is very quick growing, being fit to pull in about 20 days from sowing. There is no radish that grows more uniform in shape or of better quality. It is a prime favorite everywhere.

**Cat. No. 271B**—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c (postpaid).

## Early Scarlet Globe

(Galloway-Bowman's Improved)

An exceptionally fine Radish of the Scarlet Globe Type, but growing much larger, single roots, weighing up to an ounce each or three to four times the size of the old Scarlet Globe varieties. Notwithstanding its size it remains quite solid, crisp and juicy. The flavor is delightfully mild. The shape of the roots varies between round and almost oval, but the color remains the same, all the roots being a deep rich, crimson color. An excellent variety either for forcing or the open ground.

**Cat. No. 272B**—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c (postpaid).

ICICLE



## White Strashburg

An excellent summer variety, noted for the length of time it retains its crispness after maturity, shape, a handsome oblong, slightly tapering at the end. The flesh is firm, brittle and tender. One of the best radishes to resist drought and consequently will do well under almost all conditions. Highly recommended.

**Cat. No. 273B**—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c.

## Long Scarlet, Short Top

The best known of all the long radishes, color bright scarlet, length 5 to 6 inches long, matures in about 22 days from sowing and can be used before it is fully grown. The roots grow about one-third out of the ground, are very uniform in shape. An excellent variety either for the market or the home garden.

**Cat. No. 274B**—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c (postpaid).

## Galloway-Bowman's Selected French Breakfast

A very fine radish of the oblong type, scarlet in color, with a white tip, very much in demand, owing to its very attractive appearance. It matures very quickly, is sweet, crisp, solid and tender, a fine table variety, and has a very ready sale on the market. Our seed is grown by the best French growers and can be positively depended upon to produce a fine crop of roots.

**Cat. No. 275B**—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c (postpaid).

## Scarlet Turnip, White Tipped

The very best of the globe shaped Radishes. A fine radish in every way, perfect globe shape, uniform in every way, color scarlet, white tipped, crisp, mild flavored and in every respect superior to all other strains of this type of Radish. It is very early and equally desirable for outdoor culture and forcing under glass; in flavor no other Radishes excel, it being crisp, sweet, mild and delicate. An A1 Radish in every way.

**Cat. No. 276B**—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c (postpaid).

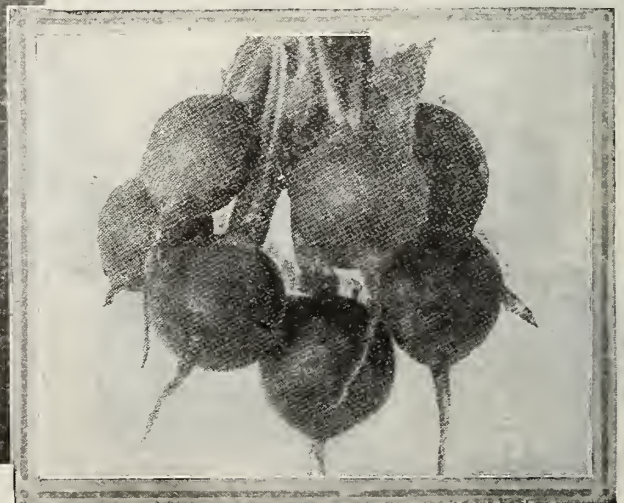
## Early White Globe

A medium round variety, grown very largely for summer use. Has a small top and pure white skin. The flesh is waxy, mild and crisp. While generally used for outdoor culture, this makes a good variety for forcing. It takes about 30 days to mature and remains fit for use a long time.

**Cat. No. 277B**—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c (postpaid).



Scarlet Turnip, White Tip



Early Scarlet Globe



Pure Genuine and Unadulterated Seeds that Grow



RHUBARB

# Rhubarb-Salsify Spinach

Three  
Big  
Favorites



SALSIFY



SPINACH

## Rhubarb (Pie Plant)

**Culture** Sow in drills eighteen inches apart and one inch deep. Thin out the plants to six inches apart. In the fall prepare the permanent bed by trenching two feet deep mixing a liberal quantity of manure with the soil. Into this set the plants about five feet apart each way. The stalks should not be cut until the second year. One ounce should give about 500 plants.

**Victoria** Absolutely the best either for forcing or for outdoor culture. A good many "fake" new varieties of this popular plant have been thrown upon the market during the past few years, but we say without hesitation that Victoria is the best all round Rhubarb in cultivation today. When grown out of doors the stems are a nice rich red color; when forced under greenhouse stages the stems are much paler and during the winter months fetch much higher prices than when grown outside. Many a Nurseryman has made a handsome sum of money by forcing Rhubarb under his disused stages during the winter months. They require little attention. After the growing season outside is over, just lift the roots, pack them under the benches, ensure darkness by covering the front of your stages with old jute bags or some other such material. Keep the roots damp and you can safely rely upon a bumper crop of stalks, usually much heavier than when grown outside.

Cat. No. 278B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50. (Postpaid.)

**Culture** For early spring use, sow seed in August in very fertile soil, rich in humus. Upon approach of cold weather cover the plants with three inches of straw. In the Spring when dry remove the litter and

## G-B Long Standing Round Spinach

This excellent variety comes quickly to maturity and remains in condition for use longer than other sorts. The leaves are smooth and very dark rich green. In our estimation the best for the private garden as it is one of the most popular and profitable with market gardeners. Cat. No. 280B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 40c (Postpaid). By express or freight, 1 lb., 30c; 10 lb., and over, 22c lb.

## "Salsify or Vegetable Oyster"

**Sandwich Island** When properly cooked it is a good substitute for oysters in taste and flavor, and is very nutritious. A most palatable vegetable; the cultivation is precisely the same as directed for Parsnips and Carrots. Salsify will keep finely through the Winter, in the ground where grown in exactly the same manner as Parsnips. The roots are perfectly hardy, in fact they are best after the frost has touched them.

When cooking the roots (a small piece of Codfish which should be discarded when the Salsify is done, boiled with them strengthens the oyster flavor); when cold mash and fry as patties or fritters. This vegetable is also good stewed, plain boiled, and also as a salad, sliced raw in vinegar with pepper and salt. Succeeds best, perhaps, in light, well enriched soil. If it is necessary to use manure it should be very fine and well rotted. Sow early in drills 18 inches apart and cover firmly one inch deep; thin to three inches apart in the drills. One ounce of seed will sow fifty feet of drill; eight pounds is sufficient to plant an acre.

Cat. No. 279B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50. (Postpaid.)

# SPINACH

## Bloomsdale Spinach

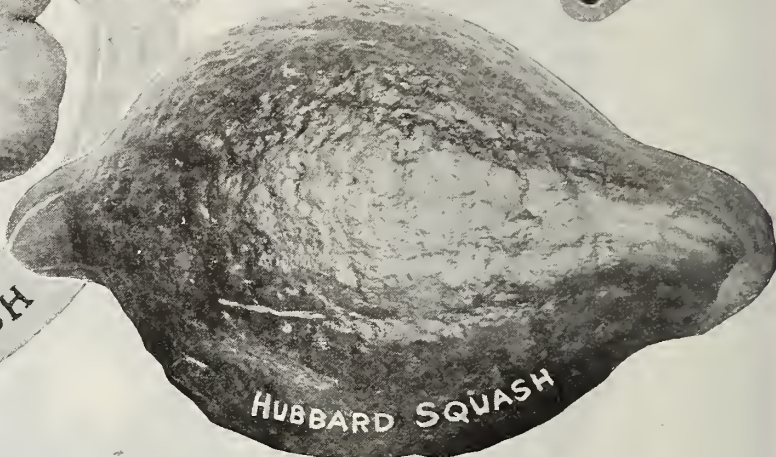
This Spinach is also known as Norfolk Savoy Leaved. It is a prime favorite with Market Gardeners everywhere. It has fine, thick, dark green, wrinkled leaves, of exceptionally fine flavor. It is perfectly hardy; without doubt the best Spinach for fall sowing. Cat. No. 281B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 40c (Postpaid). By express or freight, 1 lb., 30c; 10 lb., and over, 22c lb.

the plants will be ready for use in a short time. Sow the seed 1 inch deep in rows a foot apart. For a succession sow again early in the spring and every two weeks thereafter. Keep surface soil cultivated lightly.



BUSH SQUASH

# Squash



HUBBARD SQUASH

**Culture** Plant seed in extra fertile soil in the Spring as soon as danger of frost is past. The vining varieties should be planted in hills 8 to 10 feet apart each way and the bush varieties from 4 to 5 feet. Place 10 seeds in a hill and cover with an inch of soil. When the plants are well started thin out and cultivate. One ounce of seed required for 25 hills. For running varieties 3 1/2 to 4 lbs. seed required per acre. Bush varieties require 6 lbs. of seed per acre.

**Earliest White Bush** The bush squashes are much earlier than any other summer variety. The fruit is round, flat, and scalloped, flesh creamy white.  
Cat. No. 298B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; 1/4 lb., 40c; 1 lb., \$1.20, postpaid.

**Yellow Bush** This variety is similar to the White Bush variety except in color of skin, which is a bright golden yellow.  
Cat. No. 299B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; 1/4 lb., 40c; 1 lb., \$1.20, postpaid.

**Chicago Warty Hubbard** The most popular of the whole squash family. There is perhaps more Chicago Warty Hubbard Squash sold than all the other varieties together. Our stock is Northern grown and specially selected for us by an expert grower. The vines are vigorous and bear a large number of handsome pear shaped fruits, all nicely warted and a rich dark green color. The flesh is a bright orange yellow, fine grained, very dry, sweet, and rich flavored.

Plant seed in the Spring when all danger of frost is past, in hills 8 to 10 feet apart each way, plant 10 seeds in a hill and cover with about an inch of soil. When the plants are started, thin out and cultivate. One ounce of seed required for 25 hills; 3 to 4 lbs. of seed will sow an acre.

Cat. No. 300B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; 1/4 lb., 40c; 1 lb., \$1.20, postpaid.

**Red or Golden Hubbard** This variety is in every way identical in size, form and fruitfulness with the Chicago Warty Hubbard, the chief distinction being that the heavily warted skin is a rich orange yellow, turning to a deep salmon red when ripe. The quality is exceptionally fine.

Cat. No. 301B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c; 1/4 lb., 40c; 1 lb., \$1.20, postpaid.

## Vegetable Marrow

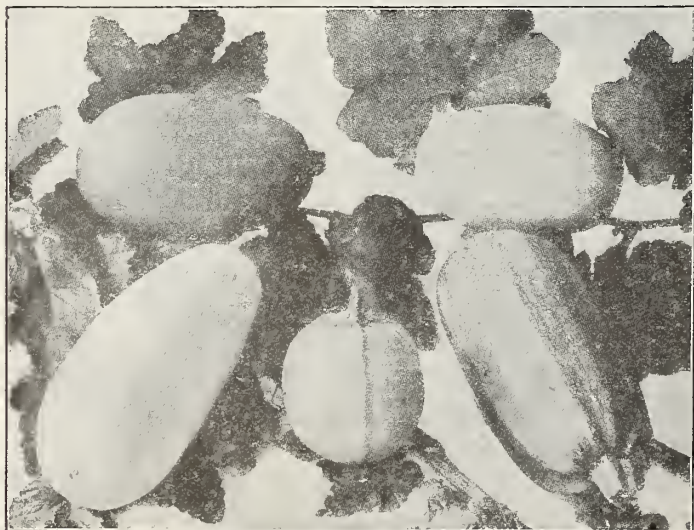
### Long Cream or Long Green

The vegetable Marrow although not well known here in the United States, is a universal favorite over in old England. Over there everyone grows them. They are in every little garden patch and in every market. We had quite a number of customers ask for it last season and made up our minds then that we would secure from the Old Country, seed of the two best kinds and offer it in this year's Catalogue. In appearance they resemble a watermelon of the Tom Watson type, but not so large. They are peeled and boiled the same as a turnip and served up in the same way. The flesh is white and of most delicious flavor. Everyone should grow a few hills of this dainty vegetable.

Cat. No. 302B—Long Cream, pkt., 10c; 3 pkts., 25c; 1 oz., 20c; 1/4 lb., 60c, postpaid.

Cat. No. 303B—Long Green, pkt., 10c; 3 pkts., 25c; 1 oz., 20c; 1/4 lb., 60c, postpaid.

The only difference in the two varieties is the color of the skin, one being Green and the other White.



Vegetable Marrows



# Tomatoes



**Culture** If early fruit is desired seed should be sown in a hotbed early in March, later sowings may be made until the end of April. As soon as the young plants are large enough to transplant they should be set about 4 inches apart in another hotbed or transplanted into small pots allowing only a single plant to a pot. They should then be exposed to the air as much as possible to harden off. Plants should not be exposed to the sun when first transplanted; keep in the shade and water freely.

Tomatoes well trained to stake or trellises and the fruit as a rule is much improved. This method of growing tomatoes is very common amongst Market Gardeners who want fruit for the early market. Place one plant to each stake and tie up with strong soft twine. The plants should be freely pruned as they advance in growth. By so doing the plants receive more air and sun and are certain to thrive better in every way and in addition they can be planted much closer together, insuring a much heavier yield to the acre than if grown in any other way.

For plants see page 32.

Believe me, I will say a good word for your company whenever an opportunity comes my way, knowing that your seeds are just as represented. Our gardens are coming out fine since we had a good rain and if those seeds had not been genuine, they would never have come up after lying in the dry, hot ground for weeks.  
 MRS. W. B. CREEK,  
 Mountain Grove, Mo.

No matter how valuable the soil is; no matter how much you work; no matter how much the sun shines, or how much it rains, which is all money, with poor seed you spoil it all.

## Galloway-Bowman's Matchless

As an early tomato Galloway-Bowman's Matchless stands without a superior. We gave this great tomato a good trial on our Seed Testing Farm this summer and it proved itself superior in every way to any of the other varieties tried. It is a truly handsome tomato. The fruits are borne in large clusters. The stems being completely weighed down with them. They are perfectly round in shape, scarlet color and perfectly smooth. The flesh is solid, of perfect flavor and almost coreless. The skin is fairly tough, making it an ideal variety for shipping or keeping. For canning or slicing it cannot be equalled. To our customers requiring a real tip-top tomato we would strongly urge upon them to give Galloway-Bowman's Matchless a trial. Our reputation is behind the tomato and we know that all who grow it will be delighted with their crop.  
 Cat. No. 282B—Large pkt., 10c; 3 pkts., 25c; 1 oz., 30c; ¼ lb., 90c; 1 lb., \$3.00 (postpaid).



Galloway-Bowman's Matchless

## G.-B. Dwarf Champion

The famous Dwarf Champion Tomato owes its wide popularity to its stiff, vigorous, upright growth, with fruit well above the soil and to the earliness with which it reaches maturity. In color the fruit is a purplish red and it is always round, smooth and symmetrical; size medium; table quality superior; a good shipper. Plants may be set 3 feet apart in rows 4 feet apart. One of the earliest and most profitable tomatoes grown. It is one of the best so-called tree tomatoes and everywhere recognized as a money maker. Cat. No. 283B—Large pkt., 10c; 3 pkts., 25c; 1 oz., 30c; ¼ lb., 90c; 1 lb., \$3.00 (postpaid).



**It's Just What They  
All Say !**

Bunceto, Mo., 8-22-1912.  
My garden seed I got from you, I had fine luck with. My garden seed beets was fine, peas bore exceedingly well. Pumpkins fine, radishes fine, mangle exceedingly fine.  
Yours truly,  
Mrs. Emma Ashcraft.



**Golden Queen**

Solid, Smooth, large in size and ripens early. Makes a handsome, rich preserve. This tomato should be grown in every home garden; its flavor is better and more delicate than that of the red varieties, the flesh finer-grained and very tender. Try it, you'll like it.

Cat. No. 284B—Large pkt., 10c; 2 large pkts., 15c; 1 oz., 30c; ¼ lb., 90c; 1 lb., \$3.00, postpaid.

**Ponderosa**

This is perhaps the largest of all tomatoes and is of a very fine quality for slicing. The fruit is oblong in shape and deep purple in color; very solid and fleshy with small seed cells. Flavor is very fine.

Cat. No. 285B—Large pkt., 10c; 2 large pkts., 15c; 1 oz., 40c; ¼ lb., \$1.10; 1 lb., \$4.00, postpaid.

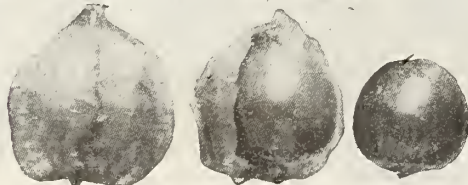
For plant see page 32

**Galloway-Bowman's New Stone**

The largest, perfectly smooth, highest yielding, best keeping and finest flavored main crop tomato in existence. The fruit is very large, color bright scarlet, ripening even to the skin without a crack, flesh is firm and solid. An excellent shipper, quality the best, not subject to rot. An attractive variety for the table and ideal for Market Gardeners and Truckers.  
Cat. No. 286B—Large pkt., 10c; 2 large pkts., 15c; 1 oz., 30c; ¼ lb., 90c; 1 lb., \$3.00 (Postpaid).

**Yellow Husk or Ground Cherry**

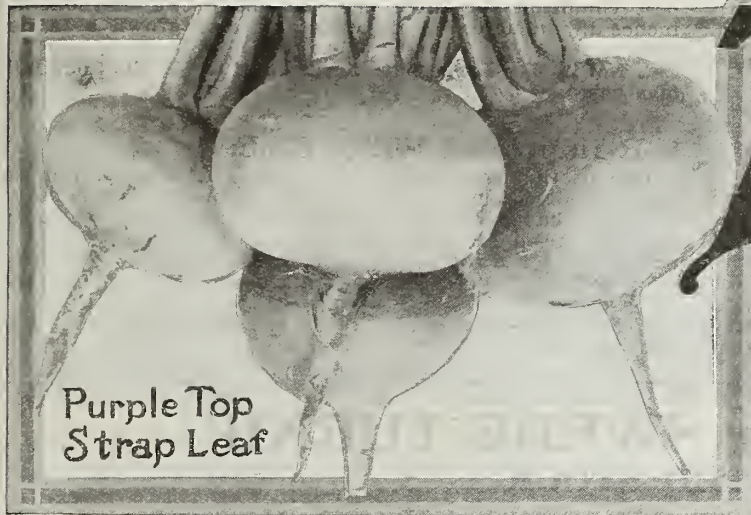
This fruit has a pleasant strawberry-like flavor; is much relished raw but generally used for preserves for which it is excellent. The small yellow fruits are enclosed in a husk or covering and when ripe are ½ inch in diameter and may be kept all the winter if the husks are not removed. They are easy to grow and do well on almost any soil.  
Cat. No. 287B—Large pkt., 10c; 2 large pkts., 15c; 1 oz., 25c; ¼ lb., 75c, postpaid.



G-B Yellow Husk or Ground Cherries



Pure Genuine and Unadulterated Seeds that Grow



Purple Top Strap Leaf

# Turnips

**Culture** Turnips grow best in highly enriched, sandy, gravelly or light loamy soil. Commence sowing the earliest varieties in April in drills from 12 to 15 inches apart, and thin out early to 6 or 8 inches in the rows. For a succession sow at intervals of a fortnight until the last week of July, from which time to the end of August sowing may be made for the Fall and main crops. Plant one ounce to 150 ft. of drill; one-fourth pound to transplant for one acre.

**Note!** Remember that our Ruta Bagas are true to name and seed grown only from specially selected and transplanted roots, all selected for their perfect type by professional English growers on their world famous seed farms. Get the true imported seed, it pays.

**Galloway-Bowman's Purple Top Strapleaf**

Enormous quantities of this celebrated turnip are sold every year, leading seed houses sending out many tons in a single season. It is unquestionably the best garden turnip offered to the public. It is also an excellent stock variety. It is fine grained and of delicious flavor, flesh white and crisp. The skin is purple above ground, white under, excellent variety for late fall sowing and for winter use. Can be sown broadcast or in drills. Will form good sized bulb in six weeks from time of sowing. Bulbs rather flat. Cat. No. 288B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c (postpaid).

**Galloway-Bowman's Purple Top White Globe**

A handsome and salable turnip, ideal either for the home garden or the market. It is a rapid grower, globular in shape, flesh pure white and delicious, sweet flavor, the skin is white with a purple top. A very heavy yielder and excellent keeper, extensively grown and pitted for fall and winter. A turnip that cannot fail to please. Cat. No. 289B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c (postpaid).

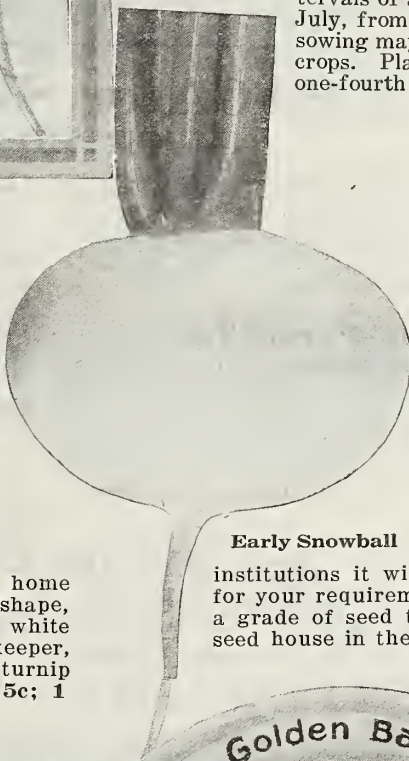
**Golden Ball or Orange Jelly**

Absolutely the best golden fleshed turnip in existence. It is a rapid grower, globular in shape, flesh pure white and delicious, sweet flavor, the skin is white with a purple top. A very heavy yielder and excellent keeper, extensively grown and pitted for fall and winter. A turnip that cannot fail to please. Cat. No. 290B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c (postpaid).

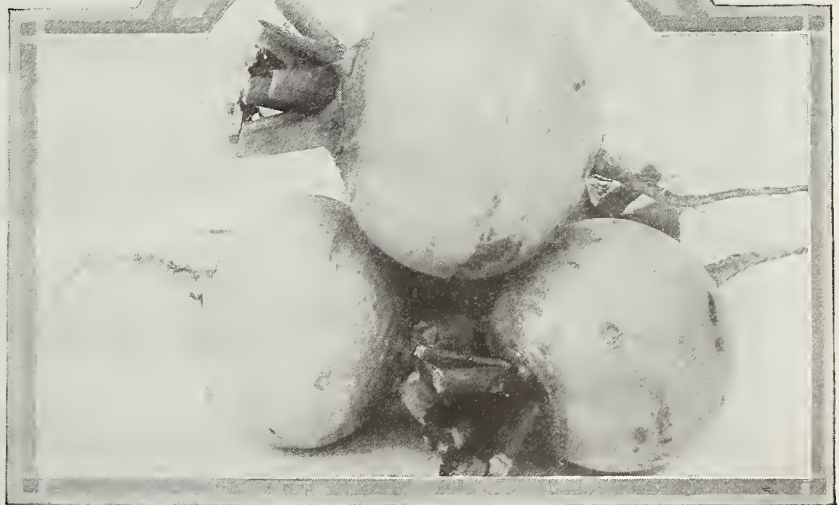
**Early Snowball**

The finest white fleshed early table turnip grown. It is perfectly round, about the size of a small table beet, skin a nice clean, white color. The flesh is pure white, crisp, tender and sweet. We know of no table turnip likely to please the housewife more than our Early Snowball. We have known boys to walk a mile to satisfy their desire for one or more of these exceptionally sweet and crisp, little roots. In their raw state they are veritable thirst quenchers. Try them and see.

Cat. No. 291B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c (postpaid).



Golden Ball



**Notice to Quantity Buyers**

We make special offers to large growers. If you are a Market Gardener, or if you are raising vegetables for Schools, Hospitals or other large institutions it will pay you to let us quote you for your requirements. We can supply you with a grade of seed that cannot be excelled by any seed house in the United States.

Mantua, Ohio, June 2nd, 1913  
Galloway Bros., Bowman Co.,  
Waterloo, Ia.

Gentlemen:-  
I want to say to you that I am well pleased with the garden seeds. I believe every one of them grew. Respectfully,  
Carl Fleischmann



### Cow Horn or Long White

This new type of turnip, owing to its extra fine quality, is fast forcing its way to the front. It is a white skinned variety, growing about 6 inches in length. The flesh is pure white, crisp, and tender and sweet, free from that stringiness so common with turnips of the inferior class, a quick growing variety. You certainly should get a trial packet of this fine turnip. You're sure to like it. Cat. No. 292B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c, postpaid.

### Early White Flat Dutch Strap Leaved

A very early white turnip, extensively used for the table, especially in the southern states. The leaves are entire and upright in growth. The roots are of medium size, flat, very white fleshed, fine grained and sweet. The roots when in

best condition for table use are about two and one-half inches in diameter. This variety is also grown as a field crop.

Cat. No. 293B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c, postpaid.

### G-B Improved White Globe

One of the most productive kinds and in good rich soil roots will frequently grow to twelve pounds in weight. It is globe shaped or slightly flattened; skin very white and smooth. Used for stock feeding; also good for table use if pulled when the roots are not more than four to five inches in diameter. Where the winters are mild the tops are used for greens.

Cat. No. 294B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 60c, postpaid.

## RUTA BAGA or SWEDE TURNIP IMPORTED STOCK

**Culture** Ruta Baga seed should be sown three or four weeks earlier than that of the table varieties of turnips. The ground should be enriched with well rotted manure and the seed sown in drills 2½ inches apart and thinned out to 6 or 8 inches in rows. When the roots have fully matured and before severe weather sets in, pull, cut off the tops, and store them in a root cellar or pit. In some sections the seed is sown broadcast and the ruta bagas are allowed to take their chance with the weeds, but this method is seldom successful except on new clearing.

### G-B Record American—Purple Top

This variety is an enormous cropper and the highest quality ruta bagas in cultivation. It possesses very hard, sound flesh. It grows freely in all kinds of soil. It is globe shaped with a neat short neck and a clean single top root. If you sow this seed you may safely rely upon a record crop.

Cat. No. 295B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 50c, postpaid.

### G-B Imported Hurst's Monarch

The heaviest yielding yellow flesh kind in cultivation; exclusively grown for stock feeding; it is oblong in shape and very hard. Keeps better than the round kind. Yields about 7 tons per acre more than any other kind of ruta baga.

Cat. No. 296B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 50c, postpaid.

### Galloway-Bowman's Sweet German

White fleshed variety; very sweet and nutritious; excellent for the table; a very great favorite everywhere on account of its early maturity.

Cat. No. 297B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 50c, postpaid.

### Read What Our Customers Say:

The seeds all germinated well. The best we have had for some time. They all grew splendid. Are well pleased with all of Galloway's seeds. Yours respectfully,  
R. F. D. No. 1, Box 39.

Barnesville, Ohio, Aug. 31, 1912.

Koehler S. Fisher.

I planted your garden seeds this year and had great success. All seeds I ordered, grew every seed I believe.

Belleplaine, Iowa, Oct. 13, 1912.

Mrs. Geo. McLeod.

In regard to the garden seed I got of you last spring, will say it certainly was the best and cleanest seed I ever bought. Yours respectfully,

Spencer, Iowa, Aug. 17, 1912.

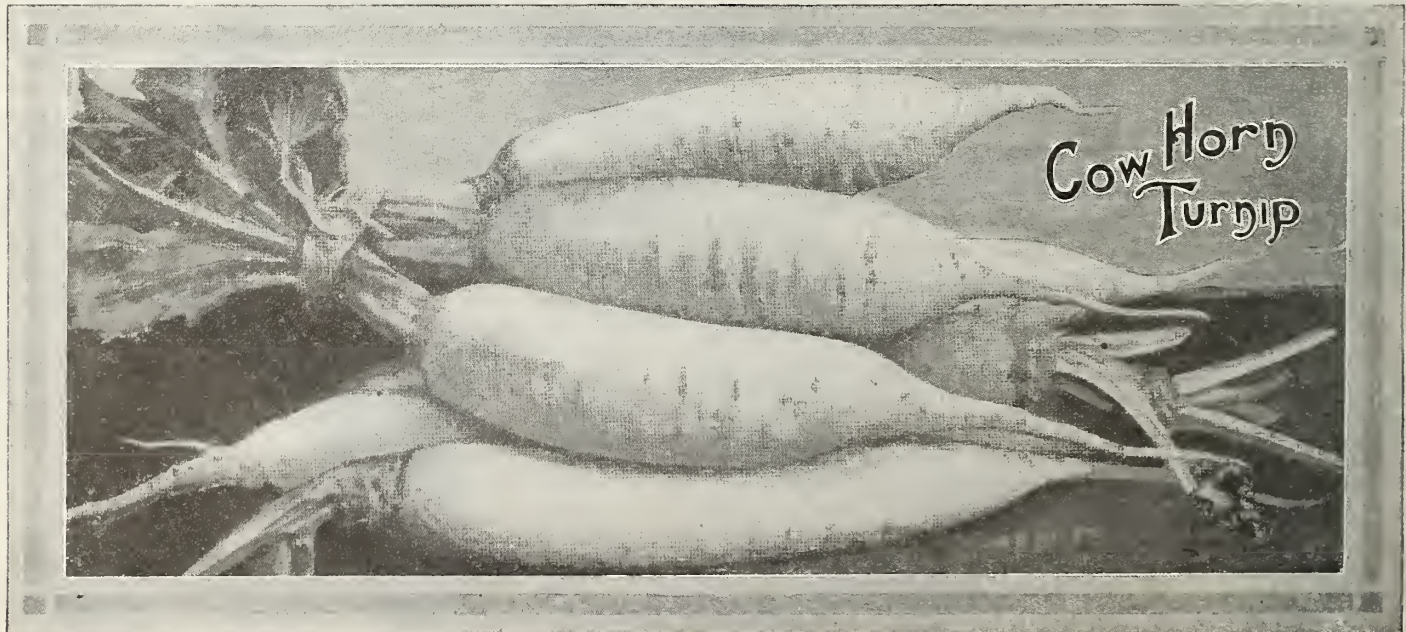
S. S. Biksen.

We were pleased with your seed. They all germinated well.

Brayton, Iowa, Aug. 1, 1912.

Yours,

J. Cousins.



# Flower Seeds



**E**VERYBODY loves flowers. Flowers are inexpensive and if you select the right kinds are as easy to grow as weeds. There is quite a knack in selecting the right flower seed to produce for you the right effect. Everybody is not familiar with the kind of flower seeds to buy and the quantity to buy to make the most satisfactory, quickest showing and results.

There are hundreds of flower seeds offered that when planted do not bring satisfactory results. Some are hard to grow, and some do not make the desired effect after they develop.

We make suggestions here which we believe you will appreciate and which will enable you to get the best and most satisfactory results, and in our selection of flower seeds offered we have been very careful not to put anything in that you would not care to use, and for that reason have limited our flower seeds to only the best and most popular varieties.

We might have listed a thousand or more varieties but this would bewilder you and would have been a waste of good, valuable time on our part, for our Mr. Hall knows from his own experience that your selection would ultimately be made up of the popular varieties mentioned in our list.

If a careful selection is made from our list we guarantee you perfect satisfaction. You can select from it an unlimited range either for color or for beauty, as our selection has been made to satisfy the most exacting lover of beautiful cut bloom.

## A Fine Flower Bed

For example: If you want a nice effect at a small expense put in a large bed of nasturtiums, and throw around it a border of white Sweet Alyssum, or put in a small bed of asters, with a border of Sweet Alyssum.

## Sweet Peas

There is nothing that gives more satisfactory results in the way of flowers than Sweet Peas. We have the very best known varieties. Our

advice to you is not to buy a mixture of Sweet Peas but buy separate colors and plant each color distinctly by itself. Nature as a rule does things this way.

What is prettier than a row of Sweet Peas, ten feet of purple, ten feet of pink, ten feet of white, and so on?

As a matter of fact, it don't take much of an investment in flower seeds to produce a very satisfactory flower garden which will give you bloom throughout the entire season.

## Your Boys and Girls

You owe it to your children as well as yourself. They like flowers and turn instinctively to these pets of mother earth. Nature teaches the little ones many noble lessons through the flower garden. Give them a patch by the house and watch the joy of their young faces as the first leaves come through and the exclamation of happy glee as one bloom after another appears. Don't deny your little ones these happy days in their young lives.

The question of cost is scarcely a consideration when a whole family can enjoy the beauty of a perfectly lovely flower garden for only a dollar or two.

If you are not quite sure as to the best way to arrange your garden, just drop us a line and we will tell you of many designs for beautifying what perhaps is now only an unsightly patch of ground.

Our hearts are in this business, and we want to help you. Just take us into your confidence. It will cost nothing. Let the little ones write us. We want these boys and girls interested in the Galloway Bros. Bowman Co.'s pure, genuine and unadulterated seeds.

# DAINTY GARDENS FOR DAINTY FOLKS

Complete collection 30c, postpaid

We have repeatedly been asked to make up a selection of flower seeds, specially suitable for children. We have therefore prepared a special collection of beautiful but easy to grow flower seeds, that any child can grow successfully unaided. This collection will insure a succession of brilliant bloom throughout the summer and fall months. Our collection consists of the following 12 packets:

<p><b>CARPET OF SNOW</b> (Alyssum Sweet) <b>LADY SLIPPER</b> (Balsam Double) <b>RAINBOW FLOWER</b> (Phlox Drummondii)</p>	<p><b>INDIAN PINKS</b> (Dianthus Chinensis) <b>BURNING BUSH</b> (Kochia Tricophylla) <b>LOVE IN A MIST</b> (Nigella Hispanica)</p>	<p><b>GHOST FLOWERS</b> (Poppy Shirley) <b>YOUTH AND OLD AGE</b> (Zinnia Double) <b>MORNING BRIDE</b> (Scabiosus Sweet)</p>	<p><b>PAINTED TONGUE</b> (Salpiglossis) <b>FOUR O'CLOCKS</b> (Marvel of Peru) <b>BACHELOR'S BUTTON</b> (Cornflower)</p>
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Get your children acquainted with these old floral favorites. Above packets 5c each if ordered separately.

## The Flower Garden in the Home

By Geo. Hall, Our Seed Expert

If you cannot go out into the flower garden let the flower garden come in to you. Everyone loves flowers and their sweet fragrance; when lying upon the sick bed few things are more appreciated than a vase of beautiful, sweet scented flowers. In the selection of the seeds for our catalogue we have always had in mind the many good people who through sickness or infirmity are unable to go out into the garden and appreciate these beautiful gifts of nature. Consequently we have included in our Flower Seed List a majority of beautiful flowers that are eminently suitable for cutting. They have long stems, are sweet scented, cover every range of color, grow easily, are inexpensive and to grow which will insure a continuous supply of cut bloom throughout the entire summer and fall.

### FOR CUT FLOWERS

We would suggest the following as specially suitable for cutting: Asters, Marguerite, Carnations, Chrysanthemums, Calliopsis, Dianthus, Godetia, Larkspur, Mignonette, Nigella, Phlox, Pansy, Shirley, Poppy, Salpiglossis, Sweet Scabiosus, Sweet Peas and Zinnias.

## Pansy Goliath Mixture

THE LARGEST AND HANDSOMEST PANSIES ON EARTH

We claim for this superb mixture of pansies that it cannot be beaten by anyone. It is a real record breaker. The flowers are of a tremendous size and are borne on long stems making them excellent for cutting. The plants are robust and form compact bushes of round shape and are literally covered with massive blooms of every conceivable shade and color. The individual petals are exceedingly broad and cover each other in such a manner as to make the flowers appear double. Many of the flowers are curled at the edge, giving them a very striking and pleasing appearance. The beauty, brilliancy and richness of this pansy mixture cannot possibly be surpassed. If you have been disappointed in the past with your pansies, just try a packet of our GOLIATH, you will be delighted.

We have imported this seed from a European pansy specialist and we know that the seed we are offering you is all we say for it. Pansies for the bed or border are always ideal, but such pansies as we offer here cannot fail to be the envy of all who see them. Don't fail to get a packet, but order early, as our stock of this choice seed is limited. We will fill all orders in strict rotation until our stock is exhausted.

Price, 10c per packet; 3 packets 25c.



Main Drive to the Galloway Seed Testing Farm

This fine drive, 500 feet long, was planted in June, 1912 with our own flower seeds. The whole length of the drive both sides was bordered with Sweet Alyssum 2½ to 3 feet wide, behind which were such old favorites as Phlox Drummondii, Shirley Poppies, Ageratum, Zinnias, etc. The effect was pleasing in the extreme and was very much admired by the thousands of visitors to our Seed Testing Farm during the past summer.



Snap Dragon

### Alyssum—Sweet

**CULTURE** Sow in the open ground early in May, where they are intended to bloom.

A fine old-fashioned flower, appreciated by everyone, specially those requiring a good, pure white edge to their garden or a good plant for rockwork or hanging basket. It is a beautiful, pure, white, sweet scented and quite dwarf, growing only about 4 inches high. It blooms most profusely, one plant alone sometimes bearing upwards of one hundred pure, white, sweet scented and exquisitely pretty heads of bloom. The main drive of our Seed Testing Farm was this year bordered both sides with Alyssum Sweet and no words of ours can adequately describe the beautiful effect. Our drive is about 500 feet long and the Alyssum spreads itself a yard wide. The whole length it was a perfect carpet of snow right through the season.

Cat. No. 325B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c.

### Antirrhinum Snap Dragon (Mixed)

**CULTURE** To ensure early bloom it is best to sow Antirrhinums about March or April in boxes or pans, in a cold frame, or where they will be protected from frost, and transplant them where they are intended to bloom early in May or when all signs of frost have passed.

Another real old favorite. Everybody knows the old-fashioned Snap Dragon. You can see it growing in all the best gardens throughout the country. Unusually effective bedding. Displays are made from these noble plants. They withstand both wet and drought and produce beautiful stems of every range of shade and color and continue to bloom in increasing profusion until frost cuts them off.

Cat. No. 326B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 40c.

### Bachelor's Buttons (Mixed)

**CULTURE** Sow in the open ground early in May where they are intended to bloom.

This beautiful flower is loved by all who appreciate an old-fashioned garden. Such a garden would be incomplete without it. The beautiful, artistic flowers are borne on long stems and when cut will stand for a long time in perfect condition. A bed of these with Marigolds (African and French) Poppies and Zinnias make a grand display. Our mixture contains a fine range of color, pure white, lilac, rose pink, lavender and purple. A packet of our seed is sufficient for a fair size bed.

Cat. No. 327B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c.



Bachelor Buttons

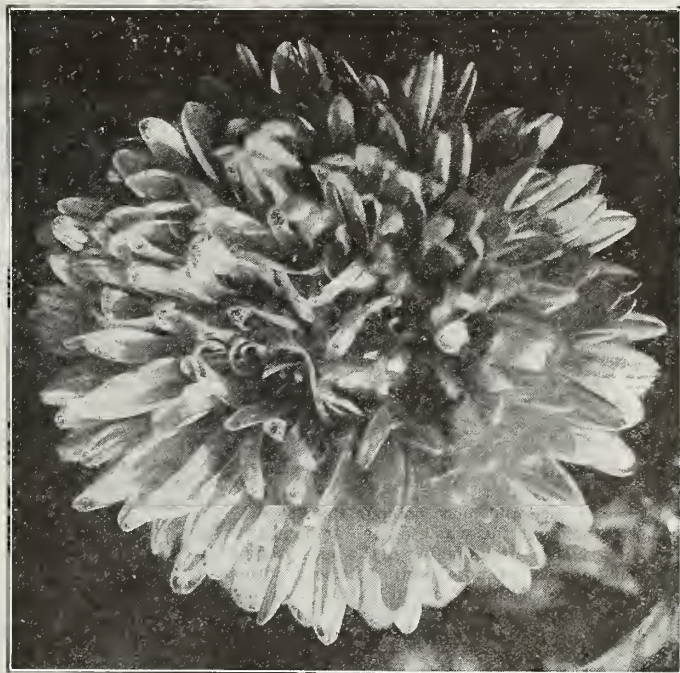


Comet Aster

**Comet Aster—Mixed**

This lovely Aster is perhaps better known than any other. It is immensely popular as it surely should be. It is a very large flowered variety. Its loose petals making it resemble a good sized Chrysanthemum. Single blooms sometimes measure 4 to 5 inches across. They are wonderfully prolific and continue in bloom right through the summer. Owing to the great diversity of color a bed of Comet Asters have a wonderfully gay and enlivening effect. In fact we know of no flower for the bed or border more likely to give real pleasure to the grower than our choice Asters. If you have never previously grown them let us advise you to make a start right now. We know how delighted you will be with the results of your efforts.

Cat. No. 328B — Large pkt., 10c. (Sufficient seed for good size bed.) Three large pkts., 20c; 1 oz., \$1.25.



Victoria Aster

**Victoria Aster**

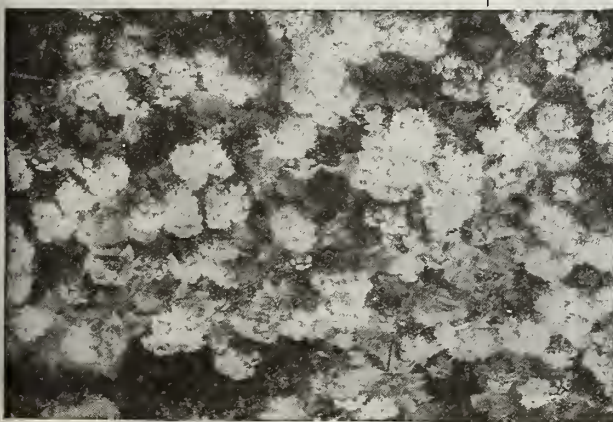
Our seed of this magnificent Aster is imported by us direct from the leading European Aster Specialists and can be relied upon to produce a magnificent display of perfect blooms, unequaled for their gorgeousness of coloring. The flowers are as large as a Chrysanthemum and grow about 18 inches high. Cat. No. 329B—Large pkts., 10c each (sufficient seed for a good sized bed.) Three large pkts., 20c; 1 oz., \$1.25.

**Ageratum—Dwarf Blue**

**CULTURE** To ensure early bloom it is best to sow Ageratum about March or April, in boxes or pans in a cold frame, where they will be protected from frost and transplant them where they are intended to bloom early in May or when all signs of frost have passed.

A grand border plant; flowers light blue and remaining in bloom right through the summer. A few plants of this delightful little flower will soon cover a good sized flower bed as the plants when well started extend themselves rapidly and soon become a mass of dazzling blue flowers. We don't know of a flower anywhere better suited to the border or for window boxes or Flower baskets than this delightful little flower. We ourselves had four beds each 60 x 20 feet in which we grew exclusively our Dwarf Blue Ageratums. They were the admiration of all who saw them and we know the effect will be that many more of our customers will put in a bed of them this next spring.

Cat. No. 330B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 50c.



Dwarf Blue Ageratum

**Aster**

**CULTURE** The Aster may be described as half-hardy, the seed being best sown under glass in the early Spring. The seedlings pricked out into boxes or in frames for planting out as occasion requires, when they are ready about June. The Aster makes a grand Bedding Plant as its fullest beauty appears when the ordinary summer flowers are beginning to fade. The blooms are freely produced and last long and are effective until the late Autumn frosts cut them off. The grand Victoria and Comet types should be grown in every garden. They are the best types for cutting and are in great demand by Florists everywhere for table decorations. Also for wreaths and bouquets. Aster seed sown outside and protected with covering in the early spring will produce grand flowering plants in August and September.

**Notice to School Teachers, Etc.**

In response to many appeals to have arranged to supply Schools with our Pure, Genuine and Unadulterated Seeds at special rates according to quantities ordered. Don't disappoint the little ones by letting them sow cheap worthless seed; get the best; it pays.

See our Special Offer to the Children on page 71.



### Balsam, Camellia—Flowered, Double (Lady Slippers)

**CULTURE** To ensure early bloom it is best to sow balsams about March or April in boxes or pans. In a cold frame, or where they will be protected from frost, and transplant them where they are intended to bloom early in May or when all signs of frost have passed.

### (Lady Slippers)

The Balsam is not only one of the most beautiful but one of the very easiest to grow. Imagine about five hundred of these magnificent large double blooms upon a plant at one time. The branches being perfect pyramids of bloom, which is no uncommon sight with this plant. It is marvelous, truly a revelation to the many who never knew what really good Balsams are. A rich soil is not necessary; all they require is plenty of room. The gigantic flowers are double and perfect like Camellias, about two inches in diameter. And as the colors are some of the most beautiful to behold, their gorgeous splendor is a remarkably attractive sight.

Cat. No. 331B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c.

### Bartonia Aurea

**CULTURE** Sow in the open ground early in May where they are intended to bloom.

One of the most showy of annuals, excellent, both for beds and borders. Producing showy, golden yellow flowers. The foliage is gray and thistle-like and is exceedingly brilliant in the sunshine. It does not bear transplanting so should be sown where intended to bloom. They commence to bloom a few weeks after sowing and remain in bloom right through the Summer and Fall.

Cat. No. 332B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c.

### Carnations—Marguerite Mixed

Bloom in six months from seed

**CULTURE** To ensure early bloom, it is best to sow carnations about March or April in boxes or pans, in a cold frame, or where they will be protected from frost, and transplant them where they are intended to bloom early in May, or when all signs of frost have passed.

Carnations are favorites with all lovers of flowers. This new strain will bring them within the reach and the cultivation of everybody, as it is one of the most valuable introductions of modern times.

Sow under glass in January and February and transplant as soon as ready. They commence to flower in July, producing a wealth of large blooms of great variety in color until cut off by the frost, thus producing a supply after the perennial varieties are over. Being equally valuable for indoor cultivation, some can be potted and placed in a cool greenhouse, when they will provide a succession of bloom during the winter months. They produce a very large percentage of double flowers, and include a most varied assortment of Fancy Yellow Ground Bizarre, as well as Selfs, rich with delightful fragrance and diversity of color.

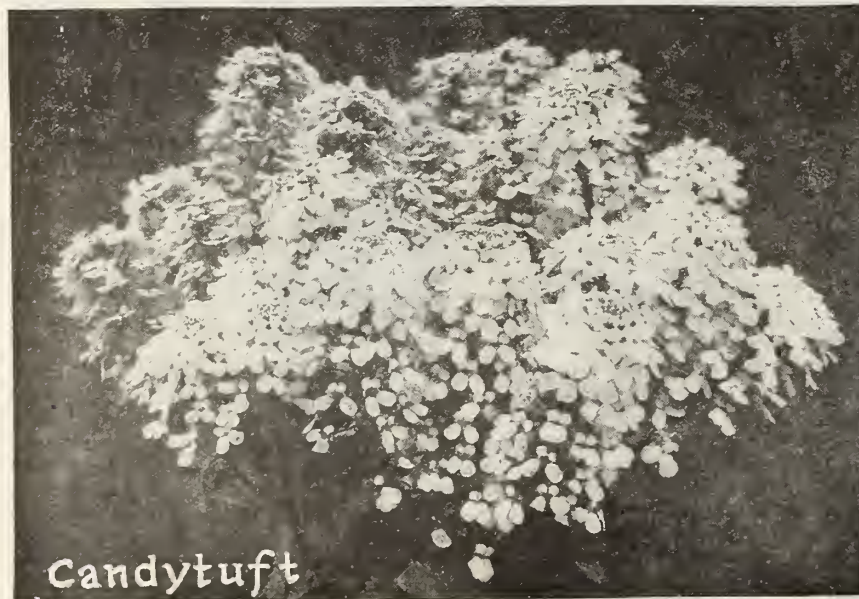
Cat. No. 334B—Large pkt., 10c; 3 pkts., 20c; 1 oz., 65c.



### Candytuft, White Rocket

One of the oldest annuals in existence and more popular than ever. It flowers in wonderful profusion throughout the whole season and its dwarf habit, growing from four to five inches high, makes it an exceptionally fine border plant; hardly a public park of note in the country without it. Perfectly hardy, grown easily, splendid for cut flowers. Extremely fragrant.

Cat. No. 333B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c.



Candytuft

White Rocket



Carnations—Marguerite Mixed





Calliopsis

## Calliopsis (or Coreopsis) LARGE FLOWERING MIXED

Culture same as for California Poppy

One of the showiest and most easily grown of garden annuals. These new large-flowering sorts are great improvements; the plants form perfect little bushes about 10 inches high by 1 foot across, and are a perfect mass of bloom from early summer until cut down by frost. The flowers average nearly 2 inches across and range through yellow, golden, and crimson colors, usually with a garnet eye.

Cat. No. 335B—Large pkt., 5c; 3 Large pkts., 10c; 1 oz., 25c.

## Early Flowering Cosmos

The earliest flowering variety in cultivation, blooming fully two months in advance of any other strain known. Seeds sown in open ground, in early May, will produce blooming plants in July, and continue a mass of bloom until killed by frosts. It is the result of painstaking selection from a few plants several years ago, which showed a decided tendency to earliness. This desirable trait is now so well established, that instead of a few plants coming early,—as in all other so-called early varieties—our Extra Cosmos is uniformly early, and will bloom in any part of the North.

Its delicate fern-like foliage and conspicuous crimson pink and white flowers form a pleasing contrast. The plants grow about four feet tall and bloom freely, where all others fail to show a bud, eliciting expression of admiration from every true lover of flowers. For ornamenting the home or church the cut blooms will be found most desirable, lasting a week or more if kept in water. The flowers are of good average size and are borne upon long stems, well above the foliage.

Cat. No. 336B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 30c.



California Poppy

## Suggestion for A Pretty Flower Garden

On this page we offer three of the most popular and pretty annuals that would add a charm to any garden. Let us suggest an arrangement for a flower garden in which either or all three may be used. The Cosmos growing about 4 feet high might be used as a center piece for a round bed, with Californian Poppies planted around them, filling in the border with Calliopsis. These three together would make a very attractive flower bed for a lawn. Early flowering Cosmos is well adapted to borders where it can be planted amongst shrubs to add beauty and color. Calliopsis and Californian Poppies are too well known to need any recommendation here. They are old favorites which add a charm to any garden.

## California Poppy

**CULTURE** Sow in the open ground when all signs of frost are past. Thin out when the plants are sufficiently large to handle.

Unusually Attractive Exquisite Foliage.

Few plants are of more delicate appearance and attractive to the eye than this poppy-shaped flower, yet it is one of the hardiest and most easily grown. It is very showy and comes into bloom soon after its appearance above ground. It stands considerable cold and blooms after the first frosts. Very attractive as an edging because of its interesting and bluish foliage. The plants grow bushy and about twelve inches high. In sunshine the petals open up to their fullest and altogether it is as attractive an annual as one could wish for.

Cat. No. 337B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c.



### Castor Oil Plant

(Ricinus Mixed)

A well known ornamental plant of stately growth and picturesque foliage, extensively used around lawns and in shrubberies to give a sub-tropical effect; make delightful center plants for beds. Just try a bed planted in the following way—Center of bed two or three Castor Oil Plants, surround these with Salvia (Scarlet Sage), and as an outside border use White Rocket Candytuft. The varied foliage of the Castor Oil Plants, the brilliant scarlet of the Sage and the snow white border of Candytuft will make a magnificent display very hard to beat. Our mixture is a delightful blend of all the best named varieties and includes all the following shades and colors: Bright Green, Deep Red, Bronze, Green and White, Carmine and Pink, a truly magnificent mixture, worthy of a place in every garden. As a pot plant for veranda decoration they are fine; they hold their own with the best of Palms, Dracenas, etc. Put one plant in a 12 inch pot or tub. Two or three stood about the veranda or porch will add dignity to any home.

Cat. No. 341B—Large pkt., 5c; 3 large pkts., 10c; 1 oz. 15c.



Castor Oil Plant (Ricinus)

### Chrysanthemum (Annual)

**Culture** Sow in the open ground early in May where they are intended to bloom. Of all annuals these pretty flowers perhaps hold a leading position and many of them have been raised on our Seed Farms. All are beautiful in beds and borders and good for window boxes or cutting. Sow seed in spring in boxes for early flowering, and in the open for general work. Some varieties make useful pot plants; for this purpose they should be sown under glass and thinned out. 1½ feet high.

Cat. No. 338B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c.

### “Morning’s Bride”

(Sweet Scabious Mixed)

**Culture** Sow the seed in heat in February and March in a pan or small box, and transplant the seedlings three inches apart in larger boxes; harden off as spring advances, and set out in the border towards end of May. They may also be sown where intended to grow.

During recent years this delightful flower has been much improved both in the size of the bloom and the range of color and is fast becoming one of the most popular of flowers.

They range in color from the purest white to the richest purple. No matter what your fancy colors may be you will find them in this splendid mixture. When given plenty of room and the seed vessels are kept regularly picked off, it will last in bloom right through the summer and fall; owing to its sweetness the bees are very fond of it and its floral favours also attract all the most beautiful types of butterflies to the neighborhood. One of the finest plants for bed or border and for cutting it is hard to surpass. Height, 18 inches. The flowers are borne on long wiry stems.

Cat. No. 339B—Large pkt., 5c; 3 large pkts., 10c., 1 oz., 20c.



Morning's Bride

### “Painted Tongue”

(Salpiglossis Mixed)

**Culture** Seed should be sown early in spring in a hotbed or window and transplanted when weather is settled or directly out of doors after danger of frost.

A beautiful bedding plant with Orchid-like flowers, greatly used for cut bloom, will remain a long time fresh after being cut. Produces an abundance of fascinating blooms and throughout the entire summer and fall, strong, of erect growth, bearing flowers of the finest markings. The exquisite beauty of the flowers with their rare combination of color is a revelation to all who see them for the first time. Our mixture contains only the very best and largest flowering varieties. A mixture that is sure to please the most exacting of our customers.

Cat. No. 340B—Large pkt., 5c; 3 large pkts., 10c., 1 oz., 50c.



Painted Tongue (Salpiglossis)

## Godetia

**CULTURE** Sow in the open ground in May where they are intended to bloom.

This delightful flower is not so widely known as it deserves to be. We have not the slightest hesitation in saying for it that it is one of the loveliest of annuals and certainly no garden should be without a batch of them. The care and culture bestowed upon them has produced some really marvelous varieties, far exceeding in size of bloom and brilliance of coloring the old kinds. Perhaps there is no class of flower producing more abundant bloom. The habit of the species is excellent and the glossy, silky texture of the petals is worthy of inspection. The Godetia makes an excellent cut flower, a spike of half open buds continuing to develop for a long time if fresh supplies of water be given daily. It also makes an effective pot plant for the Greenhouse when sown at end of summer and kept growing through the winter in a cool house. Put in a bed of Godetias and Larkspur mixed and you will certainly be delighted with the effect.

Cat. No. 342B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 25c.

## Dianthus (or Indian Pinks)

**CULTURE** For early flowering sow seed in boxes in the early spring and transplant to the open ground when weather will permit or sow in the open ground when all signs of frost are past.

Positively one of the loveliest of flowers. Our mixture contains every known shade and color in the Pink family. There is probably no better known flower than this beautiful one. They are unequalled for color and fragrance. They produce an immense wealth of bloom. A bed of Indian Pinks are a delightfully pleasing sight and cannot fail to attract the attention of all who see them. For cut bloom they are hard to beat. The more you cut the longer and stronger they continue to bloom. They can be grown in any soil and withstand drought better than most other flowers. If you want a truly magnificent display of bloom try a bed of Pinks and Phlox Drummondii. The effect of these two flowers growing together is simply dazzling.

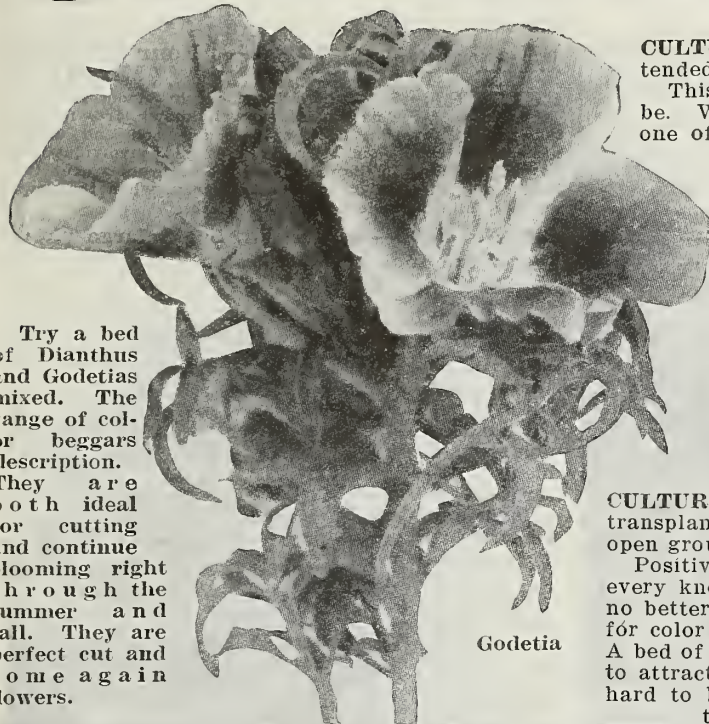
Cat. No. 343B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 25c

## Kochia Scoparia

(Trichophylla)

Kochia Scoparia or Mock Cypress, is one of those old time plants that fell out of general cultivation for many years. An improved type has now been evolved, which makes a pretty plant, with a habit much resembling one of the compact evergreen shrubs. In Kochia Trichophylla we have an annual with feathery foliage, which changes as the summer advances from a light green to a rich crimson. The seed should be sown in Spring under glass, and the seedlings potted off singly, to be ultimately bedded out or plunged in the pots in which they are growing. The plants should be pinched back and trimmed to shape when necessary. Height about 2 ft.

Cat. No. 344B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 35c.



Godetia

Try a bed of Dianthus and Godetias mixed. The range of color beggars description. They are both ideal for cutting and continue blooming right through the summer and fall. They are perfect cut and come again flowers.



Dianthus or Indian Pinks



Kochia Scoparia



### Marvel of Peru Four O'Clocks (Mixed)

**CULTURE** Sow where intended, in bloom in May. This handsome, well known, free flowering garden favorite, does well in any soil and under almost all conditions. Produces large convolvulus-like flowers of many brilliant colors. The flowers are at the height of perfection during the afternoon, when the flowers are fully expanded. Height, 2 feet.

Cat. No. 346B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 15c.

A cluster of *Nicotiana Affinis* surrounded with Four O'Clocks make an ideal center bed for a lawn and remains in bloom right through the summer and fall.

If you have an un-sightly corner turn it into a beauty spot by sowing Four O'Clocks there; they're sure to grow.



Four O'Clocks

### Matthiola Bicornis

Evening Scented Stock

**CULTURE** Sow in the flower beds or border as soon as all signs of frost are past.

A dainty little flower with a delightful odor, seen in all old-fashioned gardens. The flowers are purple lilac and emit an entrancing odor during the evening and after showers.

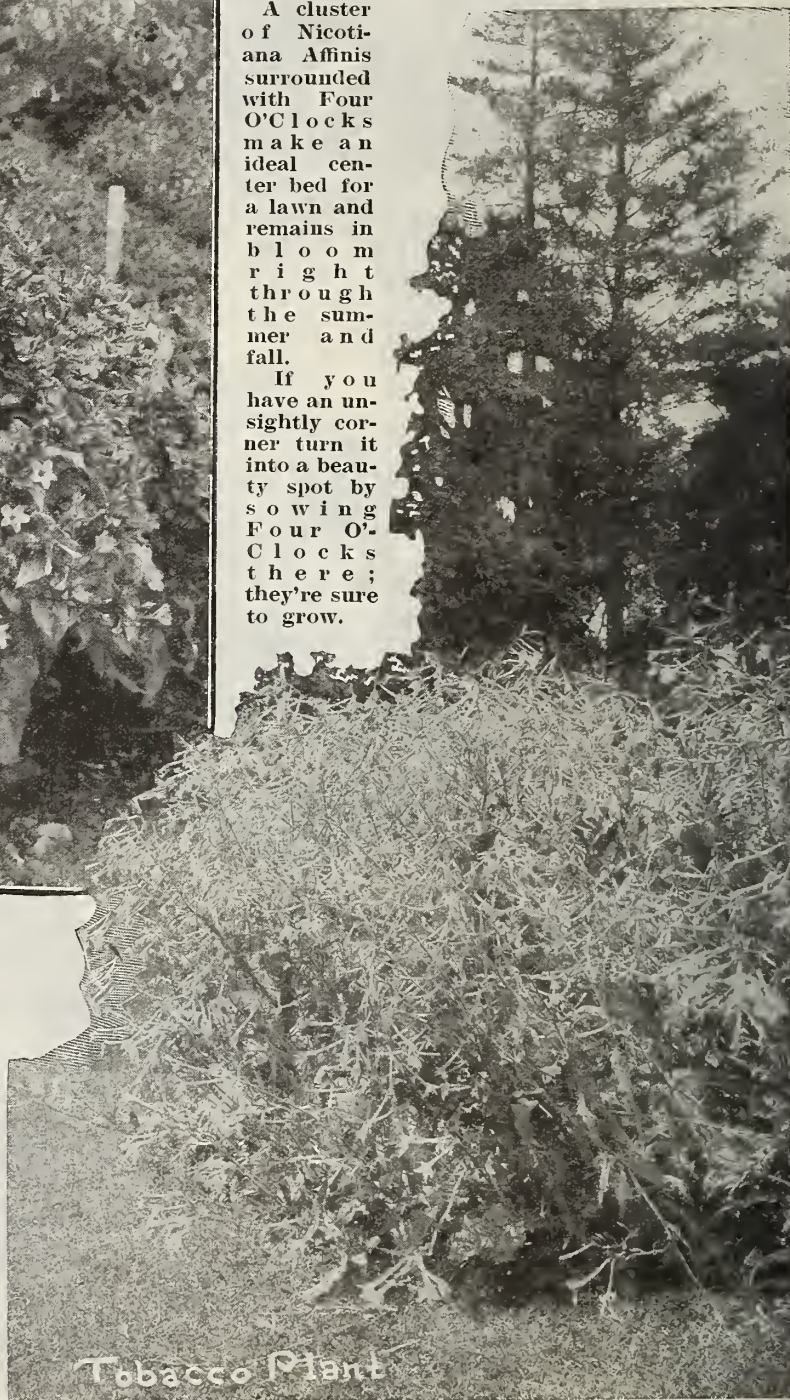
Cat. No. 347B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 30c.

### Nicotiana Affinis Tobacco Plant

**CULTURE** Sow in boxes or pans in the early spring and protect from frost and cold winds. Plant out as soon as all fear of frost is over.

A real gem for bedding. Most showy and profuse bloomer giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. The plants are of branching bushy habit, 2 to 3 feet high, carry the flowers in clusters. One single plant will bear thousands of blooms during the season. The effect in the garden is simply unsurpassable. Delightfully sweet scented.

Cat. No. 348B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 30c.



Tobacco Plant



### Larkspur (Dwarf Rocket)

**Culture** Sow in boxes in the early spring and protect from frost or in the open ground in May.

One of the easiest of easy flowers to grow and certainly one of the prettiest. It is the Annual Delphinium, grows 1 1/2 to 2 ft. high. Fine for cut flowers and the border, blue, rose, white, delicate pink, carmine, light blue, mauve, purple, etc., spikes of bloom. Don't miss the real pleasure to be derived from a batch of these glorious flowers. If you have any favorite colors you will surely get them all in a batch of our Dwarf Rocket Larkspurs.

Cat. No. 350B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c.

### Mignonette (Mammoth Flowering, Sweet Scented)

**Culture** Sow in the open ground after all fear of frost has passed. No garden can be complete without a batch of this delightfully fragrant and pretty flower. Our Mammoth Flowering Mignonette is much superior to the common variety so often bought in stores, that will develop into nothing much better than a weed. We offer you a great strain of this increasingly popular little flower. The most beautiful bright red mignonette in existence. The color being a magnificent pure bright red, extremely showy and enormous grand flowers, foliage beautiful rich green; a perfect flower for cutting; will remain quite fresh and fragrant for 10 to 12 days in water, the water being changed each day.

Cat.No. 351B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 15c.

### Morning Glory (Japanese Improved or Giant Flowering)

Flowers of huge size, with colorings and markings that are quite beyond description. They include every shade and color from snow white to deep purple. Many are spotted, marbled, striped, flaked, and splashed. They are unquestionably the largest and most beautiful of this handsome family of easily grown climbers. Wherever climbers can be grown this handsome strain should have a prominent place.

Cat. No. 352B—Large pkt., 5c; 3 pkts., 10c; 1 oz., 15c.

### Hollyhock (New Annual)

**Culture** To insure early bloom it is best to sow hollyhocks about March or April in boxes or pans, in a cold frame, or where they will be protected from frost, and transplant them where they are intended to bloom early in May or when all signs of frost have passed.

A comparatively new class of easy culture and flowering as quickly from seed as any garden annual. The plants from early sown seed set out in May begin flowering in July; the May sown in August; but in either event they flower profusely until frost. The plants are vigorous in growth and naturally branching in habit, and if given the best of treatment will thrive luxuriantly. The soil should be very rich, deeply dug, and during dry weather watered liberally. The diversity of forms and colors is delightful. There is a great variety of colors and color combinations in this strain, including maroon, pink, rose, crimson, white, cerise, scarlet and many variegations of dainty and exquisite blending. These lovely plants make a lovely background for a border or as a hedge to divide the kitchen garden from the flower beds.

Cat. No. 353B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., \$1.00.



Sweet Scented Mignonette



Morning Glory



Hollyhock



**"Love in a Mist"—Nigella**

**CULTURE** Sow in the open ground in May.

A compact free flowering plant with very finely cut foliage. The plants grow to oval bush form 15 to 18 inches high. A very curious and interesting plant. In the finely cut fern-like foliage nestle hundreds of lovely bright blue double flowers 1 1/2 inches across, a distinct and pretty novelty that is bound to interest and please all who grow it.

Cat. No. 355B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 20c.

**Shirley or Ghost Poppies** Galloway-Bowman's Beauty Mixture

**CULTURE** Sow out of doors where they are intended to bloom as soon as weather permits.

It is impossible in describing these lovely flowers to do them full justice. There is nothing more graceful than the silky blooms of this magnificent variety, and we can safely say that no flower will give more pleasing display of gorgeously brilliant bloom. This strain particularly is considered by many the most charming in cultivation. The individual flowers are large and elegant, the exquisite colors range from purest white to deep blood-red, in every conceivable combination and markings. Plants grow from eighteen to twenty-four inches. Are well branched, and produce immense quantities of flowers right through the summer. Many of them measure as high as four inches across. Put in a bed of our Beauty Shirley Poppies and border them with Sweet Alyssum. The effect will be pleasing in the extreme and bound to please the most critical lover of the artistic in flowers.

Cat. No. 356B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 25c.

**Giant Double Poppies** A Beautiful Mixture

**CULTURE** Same as for Single Shirley Poppies.

A truly magnificent collection of double annual Poppies of immense size and dazzling brilliance. In this mixture is included only the richest, most brilliant and loveliest shades and colors. The flowers which are 4 to 5 inches in diameter are produced in great abundance on stems 2 1/2 to 3 feet high and if the seed pods are plucked off as they mature a continuous supply of bloom may be expected for many weeks. A few batches of these very showy flowers will add life and gaiety to the brightest of gardens. For imposing effect there is no better Poppies anywhere than our Giant Double Mixture. One packet contains sufficient seed to make a gorgeous display.

Cat. No. 357B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 25c.



"Love-in-a-Mist"



Shirley (or Ghost) Poppy



Giant Double Poppy



Pure Genuine and Unadulterated Seeds that Grow



**Tall Nasturtiums Giant Flowering (Mixed)**

This grand mixture contains a wealth of color seldom found in other mixtures, crimson, rose, yellow, pink, orange, white, spotted, etc., etc. For brilliancy of coloring and general excellence nothing excels Nasturtiums. They are easy of culture. All they need is a moderately good soil in a well drained sunny position and from within a few weeks from the time they are sown until hard frost comes there is an endless confusion of gorgeous blossoms. An excellent and luxuriant climber for verandas, trellises, etc. Useful for covering unsightly buildings, soon transforming the unsightly into the beautiful. When the position does not admit of its climbing it is equally at home as a creeper and can be used for covering rocks and mounds to fine advantage. Many people gather the Nasturtium seeds in the fall and use them for pickles. They make a good substitute for caper sauce. No garden is complete without a batch of the pretty climbing annual.

Cat. No. 360B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 30c; 1 lb., 90c (postpaid).

**Giant Flowering Tom Thumb**

There is no finer mixture anywhere than our Giant Flowering Tom Thumb. It contains all the known shades and colors in the Nasturtium family and can be relied upon to make a display that it would be hard to beat anywhere. In the mixture is included all the new varieties from the best growers, both in America and Europe. No matter what fancy prices you might be tempted to pay, you could not possibly obtain anywhere a finer selection of these pretty flowers than we offer here. Individual plants grow about 10 inches to 1 foot high and about 1 foot across and are completely covered with mammoth flowers measuring from 2 to 3 inches across. For flower beds, borders, window boxes or hanging baskets it is an ideal plant and can be depended upon to do well wherever planted. They are the easiest of easy plants to grow. Seed sown in the open ground in the spring will produce plants that commence blooming during early summer and continue right on to late frost. They are dainty little flowers for cutting and add an air of cheerfulness to the room. Our mixture contains among others the following shades and colors: Crimson, Red, Rose, Purple, Pink, Yellow, Orange, Carmine, Creamy White, striped, blotched, etc., etc.



Cat. No. 361B—Large pkt., 5c; 1 oz., 10c; ¼ lb., 30c; 1 lb., 90c (Postpaid).

**African Marigold**

We never really appreciated the worth of the Marigold as a bedding plant until this season, but after seeing them in the borders of our Seed Testing Farm we are convinced that their value as a bedding plant cannot be over estimated. The African Marigold produces densely double flowers 8 to 10 inches in circumference and of the regularity and perfection of a Dahlia. For effective garden display during the summer and fall nothing can surpass the gorgeous masses of color of these grand plants. Color of flowers brilliant golden orange and pale canary yellow. This fine old fashioned flower was the pride of our Grandmother's garden.

Cat. No. 362B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 40c.

**French Mixed**

One of the prettiest and handsomest of Marigolds grows about 12 inches high and is literally covered with light, dark brown and gold striped flowers. The foliage is also very attractive, being finely cut and fern-like. Owing to its deep root it is able to withstand drought. Makes a handsome edging plant.

Cat. No. 363B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 30c.



Try a few African Marigolds as a centerpiece for your flower bed, surrounded with the French variety. The effect is distinctly pleasing.



French Marigold



Petunia-Model Mixed



Petunia  
Model  
Mixture

### Petunia-Model Mixed

We have taken great pains to secure a stock of this universally popular and loved flower to ensure our thousands of customers getting the finest and best that is grown anywhere. Our Model Mixture is unequalled for size of bloom and great diversity of color. The flowers are beautifully striped and blotched with a good blend of the delightfully fringed varieties. It also includes all the best colors of the large flowering section, blue, red, scarlet, white, crimson, violet, etc. Height, 1½ feet. Cat. No. 365B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., \$1.00.



Rose Moss

### Portulaca Rose Moss

Single and Double Mixed

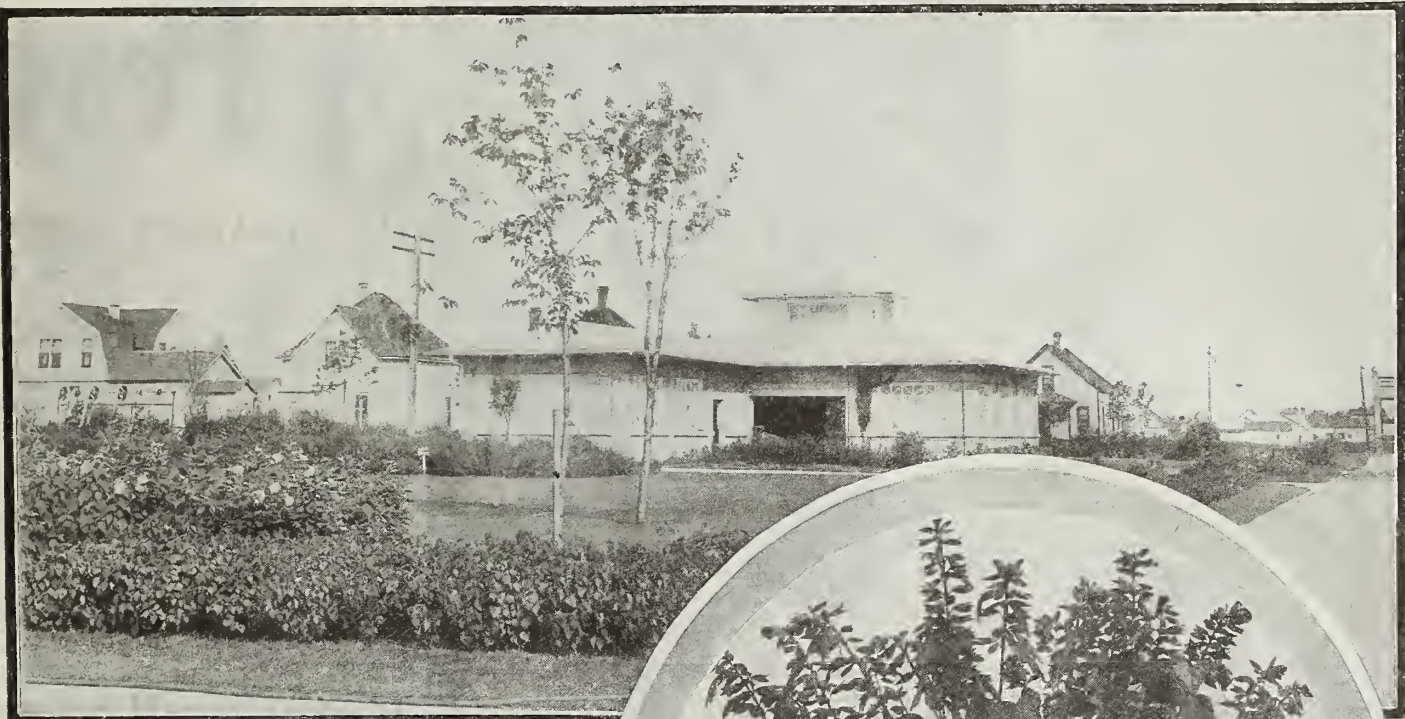
**Culture** Sow in the open ground where they are intended to bloom about May or as soon as the frosts are over. Should be sown in every garden. Scarcely any annual in cultivation makes such a dazzling display of beauty as a bed of highly-colored many-hued Portulacas. In bloom from July until frost. Plant in dry sandy soil in the garden as soon as it becomes warm. Let the bed have full exposure to the sun and withhold water after the plants appear. Stands any amount of dry weather. Blooms of double varieties are about one and one-half inches across, of many colors and remain open all day. The plants grow about 6 inches in height.

Cat. No. 366B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 35c.





Pure Genuine and Unadulterated Seeds that Grow



A Beautiful Salvia Border Surrounding Our Automobile Garage

## Salvia—Scarlet Sage

Makes a matchless border



Salvia  
(Scarlet Sage)

### Culture

To ensure early bloom it is best to sow Salvia about March or April in boxes or pans in a cold frame or where they will be protected from frost, and transplant them where they are intended to bloom early in May or when all signs of frost have passed.

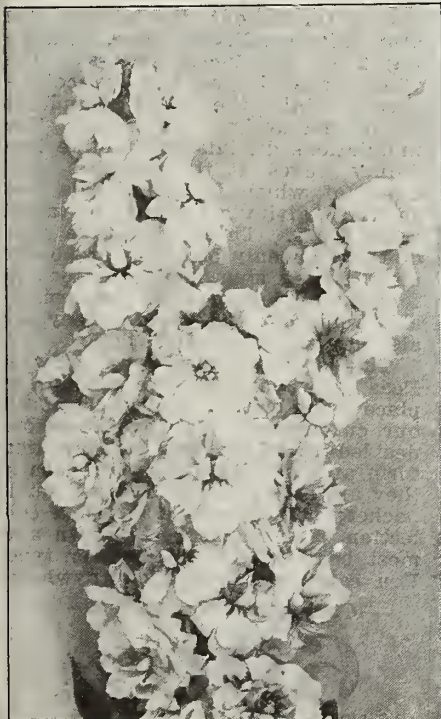
A bed or border of Scarlet Sage always compels attention. It has long been a leading favorite. We know of nothing that can equal the gorgeous effect of a bed of Scarlet Sage when in full bloom. The large waving masses of Scarlet bloom against green surroundings of lawn or foliage is matchless. Salvias can be grown in almost any position with fine effect; in the flower bed; along the walk or in borders. They also add to the attractiveness of a shrubbery if planted in clumps in the vacant spaces, the varied shades of green and the dazzling scarlet have a most pleasing effect. We offer only the large flowered variety which produces flowers twice the size and twice as numerous as the old variety; height of plants three feet with flowering stems from base to tip of Plant. They make fine pot plants for the Conservatory or Greenhouse.

Cat. No. 368B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., \$2.00.

## Ten Week Stocks (Double)

**GIANT FLOWERING MIXED.** This stock is one of the most popular annuals, either for bedding or pot culture; for brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed. Start the seeds in February and March, and as soon as the plants have their second pair of leaves, set out into shallow boxes and in about four weeks the plants will be ready to pot; from which they should be transferred to the open ground in May or June.

Cat. No. 369B—Large pkt., 5c; 3 large pkts., 10c.



Ten Week Stock



# Sweet Peas

## How to Grow Them

Sow the seed in new ground as early in spring as the soil can be worked. Prepare a trench to a depth of about 2 feet, and at least 18 inches wide. Fill in with rich loam which has been thoroughly incorporated with well rotted barnyard manure or sheep manure. Leave sufficient space in the center for brush or trellis, scattering the seeds thinly on both sides at a depth of 6 inches. Cover the seeds 2 inches deep and fill in the trench from time to time as the plants appear, until on a level with the ground. Mulch the surface to prevent the soil from drying out and water freely throughout the season. Pick flowers daily and do not allow to go to seed.

## Extraordinary Offer!

### Spencer Sweet Peas

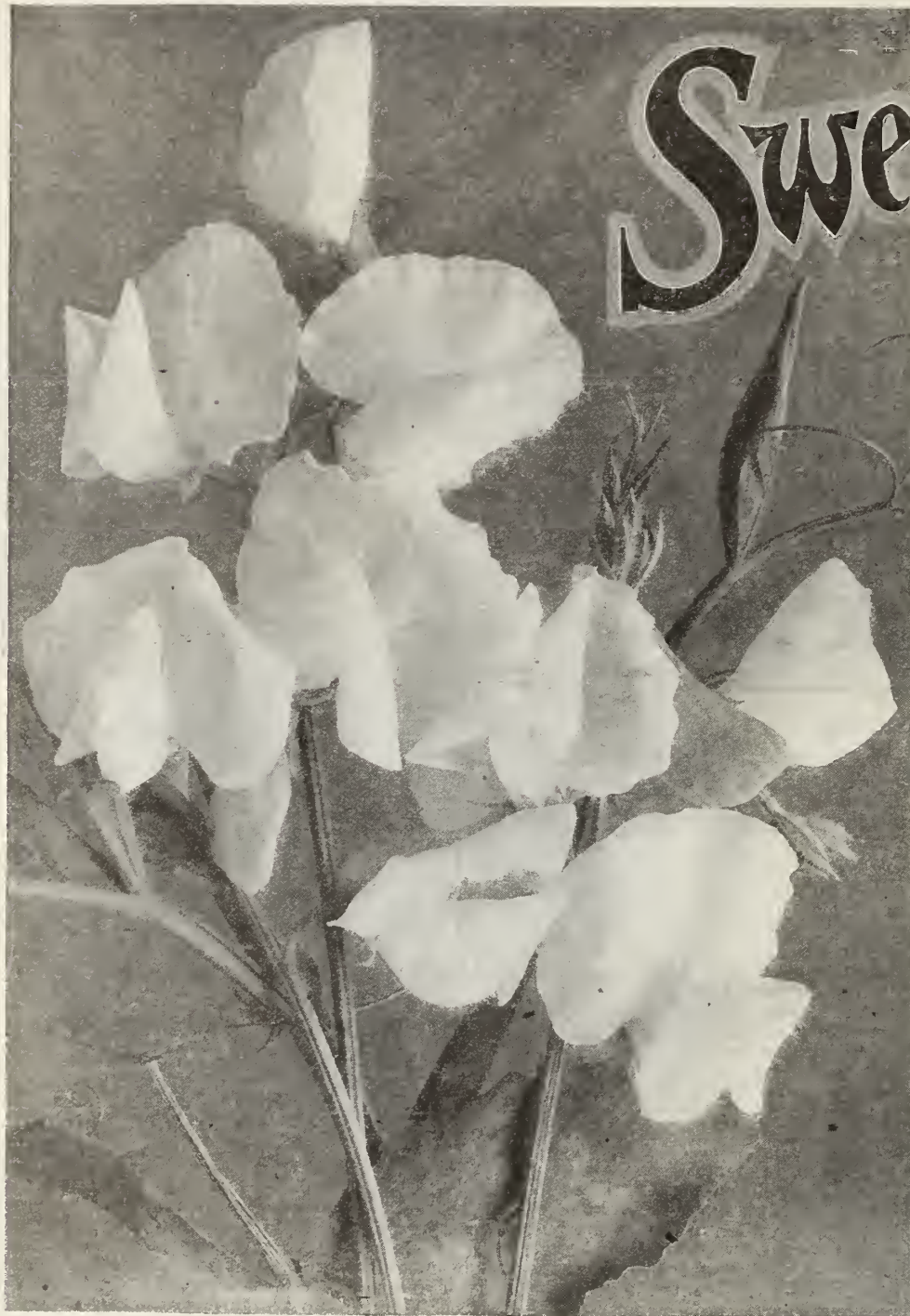
The Spencer Type is without doubt the most wonderful class of Sweet Peas in existence. The flowers freely and continuously produced throughout the season are also correspondingly large, measuring 2 to 2½ inches across. The wings are large and gracefully posed, while the giant standards round and upright are frilled. The undulations diminishing fanlike into dainty waves at the margin. The effect of which is high lights and shadings, giving a harmony of varied color tones. Three and often four of these queenly blossoms are borne on a strong stem nearly a foot in length, rendering them unsurpassable when cut and vased. They are also ideal for bouquets.

This is the grandest type of Sweet Peas grown and we are anxious to place them within the reach of all our customers. We have therefore decided to offer them in collection form at a special low price; usually they are sold at 10 to 15c per small packet; our price is 60c for a collection of 9 of the best known and most beautiful of the Spencer type. You can't beat this offer anywhere.

Catalogue No. 370 B—

**60c** FOR THE

Complete Assortment of 9 Packets



Spencer Pure White Sweet Peas

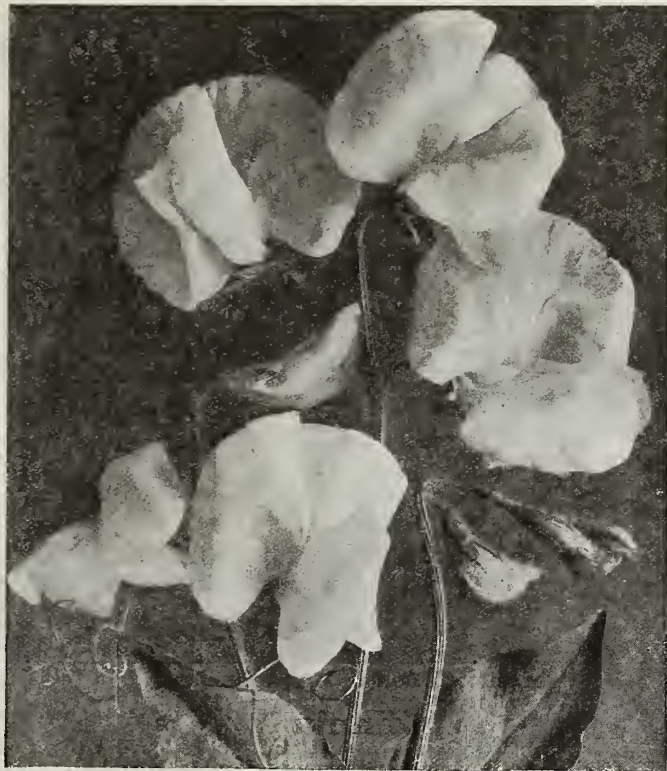
## Spencer Sweet Pea Collection

Nine Distinct Colors in Separate Packets

Spencer's Pure White, a magnificent flower.  
Mrs. Hardcastle Sykes, lovely pale pink.  
Duke of Westminster, beautiful deep purple.  
Astra Ohn, delightfully delicate lavender.

King Edward VII, beautiful deep crimson.  
Queen Alexandra, very attractive blush pink.  
John Ingman, very rich rosy carmine.  
Othello, large glossy maroon.  
Helen Lewis, rich orange.

Price: Single packets, 10c each.



Giant Orchid Flowering

Giant Orchid Flowering

There is no flower so universally and extensively grown as the Sweet Pea, and everybody wants the finest and best flowers obtainable. Now we say unhesitatingly that if you sow our Giant Orchid Flowering Mixture you will get absolutely and positively a mixture unsurpassed anywhere in the wide world. All the old small flowering types have been eliminated and nothing but the very highest type put in. Many of the stems of this grand new Sweet Pea carry 3 to 4 blooms each, of immense size and beautifully crimped. There is no limit to the range of color. The mixture contains fully one hundred of the best known large flowering varieties and covers every known shade and color. The stems are long, fully 12 to 14 inches, making it an ideal mixture for cut bloom. In order to prolong the flowering period of Sweet Peas the seed pods should not be allowed to develop. This can be done by keeping the blooms picked. There is really no need to pay high, fancy prices for named Sweet Peas, when you can get them all in this mixture at so reasonable a price.

Cat. No. 371B—Large pkt., 5c; 1 oz., 20c; 1/4 lb., 60c; 1 lb., \$2.00, postpaid.



Giant Flowering

Giant Flowering In Mixed or Separate Colors

Our Giant Flowering Sweet Peas are selected from all the best named varieties outside the Orchid Flowering type shown on opposite page. All the small varieties have been eliminated and nothing but the largest varieties retained. As so many of our customers like to sow their Sweet Peas in separate colors we offer you the choice of the following shades put up in separate packets, and we guarantee them to have perfect bloom and length of stem, making them especially suitable for cutting and bouquets.

- Pure White.
- Pure Pink.
- Pure Primrose.
- Pure Blue.
- Pure Crimson.
- Pure Maroon.
- Pure Striped.
- Pure Lavender.
- Pure Orange.
- Pure Blush.
- Pure Pink and White.
- Pure Scarlet.

Cat. No. 372B—Per pkt. (state color), 5c.  
Cat. No. 373B—Collection of 12 pkts. (separate colors), 50c.  
The Above Colors in Mixture (12 shades)  
Cat. No. 374B—Pkt., 5c; 1 oz., 10c; 1/4 lb., 35c; 1 lb., \$1.30 (Postpaid).



PANSY

Galloway-Bowman's Giant Butterfly Pansies. "The Largest Flowering Pansy in the World."

**Culture** The pansy will succeed in any soil that is not too high or dry. In early spring the seed should be sown in boxes and when the plants are large enough planted out in the garden. Plant not less than 6 inches apart. There should be no check in their progress either by cold winds, very hard frost or long drought; nor should they be watered with very cold water during the hottest weather.

Everybody, young and old, loves the Pansy and we are sure our Giant Butterfly Mixture will compel an even greater appreciation of this lovely flower than ever. It is a superb mixture of all the largest and best types in every known class. Will produce enormous blooms in all the richest colorings and markings. It is the best of all the American and Continental strains and secured by us only at great expense. They are variously colored in all the richest shades, markings and lacings, many of them being beautifully crimped, a very curious combination of coloring that cannot fail to elicit astonishment by all who see them. The mixture from which growers often discover new and beautiful strains. A grand class from which to select exhibition blooms.

Cat. No. 375B—Large pkt., 10c; 1 oz., \$2.00



G-B Giant Flowering Phlox Drummondii  
**PHLOX DRUMMONDII**

**Galloway-Bowman's Improved Giant Flowering Mixture**

There never was a time when this immensely pretty flower was more popular than it is today and there's a reason. A few years ago the colors were restricted to about 6 shades, but today there seems no limit to them. We don't think there is a single known shade or color missing in our Improved Giant Flowering Mixture. A bed of Phlox in itself is a delightful sight, a perfect mass of bewildering color; from seed sown in the early spring they soon become a perfect sheet of bloom. We had a magnificent display on our Seed Testing Farm this summer. We put in a border of Sweet Alyssum and backed them up with our Giant Flowering Phlox. We do not think there was anything on our whole farm to touch it for pretty effect. Although the Phlox was continually picked for table and other decorative purposes it continued to bloom in profusion until cut off by severe frost. They produce masses of bloom from ground to summit. They are easily grown, succeeding in any sunny situation, beginning to bloom in the early summer and continuing right through till the close of fall. If you want a delightfully bright and interesting garden be sure not to forget this lovely flower. Height, 8 to 10 inches.

Cat. No. 701B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 25c.

**Scarlet Runner Beans**  
"An Old Favorite"

For full description of this very popular climber see our bean list in vegetable section of this catalog. Don't forget that even a child can grow this pretty climber, its rapid development always pleases them.

Cat. No. 377B—Large pkt., 5c; 1 oz., 10c; 1 pint, 30c; qt., 50c (postpaid).



Mammoth Double Mixed Zinnias

**Zinnia**

(Galloway-Bowman's Mammoth Double Mixed.)

This mixture of Zinnias cannot be beaten either for the quality of the flowers or the range in colors. It contains every type of Zinnia known, including the beautiful curled and crested varieties. The colors include White, Crimson, Violet, Purple, Orange, Scarlet, Yellow, Lilac, Rose, Sulphur, and Pink. The plants grow 2 to 3 feet high producing their handsome double flowers on long stems. Few flowers give greater satisfaction to their raisers than the beautiful double Zinnias.

Cat. No. 376B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., 35c.

**Painted Lady or Butterfly Climbing Beans "A Real Novelty"**

**Culture** Same as for Scarlet Runners. This is a very pretty Climber, bearing large trusses of Pink and White flowers in great profusion right up the vine and lasting in bloom throughout the whole summer and fall. Seeds planted in the open ground in May and kept well supplied with water will be sturdy young plants in about ten days and in a few weeks will completely cover a trellis or porch.

Cat No. 378B—Large pkt., 5c; 1 oz., 10c; pint, 30c; quart, 50c (postpaid).

**Verbenas**

(Giant Mixed)

**Culture** To insure early bloom it is best to sow Verbena about March or April in boxes or pans, in a cold frame or where they will be protected from frost, and transplant them where they are intended to bloom early in May, or when all signs of frost have passed.

One of those good old favorites, deserving a place in every garden. Another flower that has been improved almost out of recognition, whereas only a few years ago the flowers were woefully small and their color limited to but a few shades. Today it is a handsome plant with a range of color that is almost bewildering. Few plants are better liked and give more satisfaction. They are strong, healthy and vigorous, bloom freely right through the summer and fall. For garden, beds and massing these verbenas are unrivaled. They also do well in window boxes and as pot plants. A bed of verbenas with a border of white Candytuft or Sweet Alyssum make a gorgeous display.

Cat. No. 380B—Large pkt., 5c; 3 large pkts., 10c; 1 oz., \$1.00.



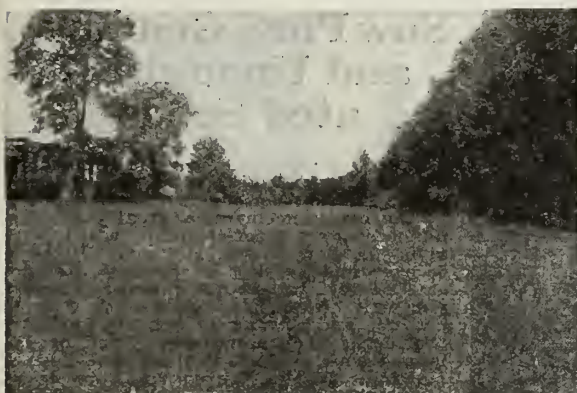
Verbenas—Giant Mixed



Pure Genuine and Unadulterated Seeds that Grow



# ROYAL PARKS LAWN GRASS SEED



A perfect mixture of dwarf growing evergreen grasses, the same mixture that is sown in the Royal Parks of Europe and which produces such beautiful lawns and which are admired and envied by thousands of American visitors every year. Ready to mow four weeks from sowing.

Use 60 to 80 lbs. per acre to form new grounds or 40 lbs. per acre to renovate old ones. 1 lb. of our solid seed is sufficient for sowing down a patch of 300 square feet.

Cat. No. 394B—Price: 35c lb. (postpaid); express or freight, 25c lb.; 10 lbs., \$2.25; 20 lbs. for \$4.00.

## Special "Wear Well" GRASS SEED

(For Hard Wear)

Just the kind of seed to sow down, for golf course, putting green, tennis court, bowling green, croquet and football grounds.

Price—Per lb., 30c (postpaid); by express or freight, 10 lbs., \$2.25; 20 lb., \$4.00.

## SHADY NOOK Lawn Grass Seed

GROWS LUXURIOUSLY UNDER TREES

Have you a lawn that is shaded by trees? Have you failed in your efforts to establish a grass patch there? If so, try a few pounds of our shady nook grass mixture. It is just what you need in order to raise a patch of fine, close, compact, velvety grass, under such conditions.

Ground that has been continuously shaded by trees, often becomes sour and it would be necessary before sowing grass seed to give it an application of air slacked lime. Apply at the rate of 25 to 30 pounds to every 500 square feet. Thoroughly stir the surface of the soil before applying the lime.

Cat. No. 401B—Price, 35c lb. (postpaid); express or freight, 25c lb., 10 lbs., \$2.25; 20 lbs., \$4.00.

## Don't Use Turf (Sod)

Turf is nearly always full of weeds, and unless it can be cut practically on the spot to use it is a much more expensive mode than sowing seeds. In most places the cost of turf for an acre would be about ten to twenty times more expensive than seed to sow the same area. Then again, after the greatest care turf will often not take properly to the soil, and seeds have to be fallen back upon in the end.

For the small amount of money to be invested there is nothing that will add so much, not only to the appearance of the place itself but to the general satisfaction of the dwellers, as a deep velvety green lawn, throughout the entire summer season.

You never get tired of a good lawn. In fact you never get enough of it. You want just as much of it as you can possibly have.

Did you ever stop to think how much a good, well kept, lawn adds to the general appearance and selling value of a home, to say nothing of the satisfaction the owner gets out of it.

We have an unexcelled mixture, of all the finest and purest evergreen grasses. A mixture that will ensure the growth of a beautifully compact evergreen sod in the shortest time. There is no better mixture anywhere and we stake our reputation on it. Quantities to use: 1 lb. for 300 sq. ft.; 25 lbs. for 1/4 acre.

## White Dutch Clover

GALLOWAY-BOWMAN'S EXTRA SPECIAL SELECTED—It is used very much with grass seed for lawns. It spreads very rapidly and acts as a binder. It is very hardy and is of great value in permanent pastures, as it affords a most nutritious food for sheep and cattle. Sow 6 lbs. per acre.

Cat. No. 400B—Price, large packet, 10c, 1 lb., 55c (postpaid); by express or freight, 10 lbs., and upward, 40c lb.



READ ABOUT OUR FREE LANDSCAPE OFFER ON PAGE 99.



## How to Make or Renovate a Lawn

(By Mr. Geo. Hall, our Seed Expert)

Roughen the surface of the ground with a rake before sowing. Sow broadcast and choose a calm day for the operation so that the seed, which is very light, may lie evenly over the whole surface. When the seed is sown, rake it in so that it may be out of sight of the birds; or fine sifted soil may be strewn about lightly. All foot-prints must be obliterated. Small birds, especially sparrows, are very fond of grass seed and in some places it will be necessary to devise a contrivance to outwit them. The quantity of the Special Mixture supplied by us necessary for one statute acre is about 80 lbs. or 1 lb. to 50 square yards. Some sow only 60 lbs. an acre, some as much as 100 lbs.; but 80 lbs. is the quantity we recommend to produce a fine, thick, velvety sward in a short time. If the weather proves very dry, the ground may be watered in the evening with a fine hose, both before and after germination. The grass will be ready to cut in a fortnight or three weeks; any weeds that are seen should be eradicated; an easy task now, but more difficult later on. If any bare places appear, the spots should be lightly stirred with a hoe and sown with more seed, which must be again lightly covered with sifted soil. Employ a very sharp scythe when cutting for the first time; the young grass tops may at first be left upon the ground as a shelter from the sun. Cut every ten days or so and roll directly after. When the growth is sufficiently strong, a mowing machine may be used. Great attention should be paid to these regular mowings and rollings, as upon them success now greatly depends; the coarser grasses (if any) cannot possibly flourish under this regime, and will be eventually killed, whilst frequent rollings, especially in moist weather, will keep the soil compact and the surface even. An occasional dressing with Galloway-Bowman's Lawn Manure through the first year will be of benefit.



## Sow Pure, Genuine, and Unadulterated Seeds

A certain amount of care must needs be taken in making a lawn, and if the following instructions are carried out at the commencement, a great deal of unnecessary, after-trouble will be avoided. Sow weeds, and you will be forever endeavoring to destroy them; sow coarse, tall-growing grasses and you will either have to destroy your produce and sow again next season or will enter upon a wearisome and prolonged course of eradication, and close mowing. Hoping by so doing to destroy the very plants whose weeds were sown by you, and looking forward to the germination of close-growing sorts, which, if they be there at all, have no one to thank but chance. Rather be careful to obtain from a firm of repute, reliable seeds, perfectly freed from weeds by the machinery of the scientific seedsman, whose study is to supply only those sorts of close and tenacious habit in such a mixture as will ensure the turf being green at all seasons of the year.

## Good Lawn Land

Good lawns cannot be expected upon land holding stagnant water, and the best are those formed upon well-drained soils; neither too heavy nor too light; if the former, some light vegetable mould should be added; if the latter, some rather heavy turfy loam. The preparation of the ground should not be carried out in very dry weather, but when the earth is in good working order. The ground should be dug to the depth of one or two feet and thoroughly cleaned of weeds and coarse grasses. If at all poor, well rotted cow or horse manure should be incorporated with it, but this should not be allowed to remain near the surface, and should be evenly mixed with the soil, or the grass may grow in a patchy manner, greener and stronger in one place than another. Galloway-Bowman's Lawn Manure is to be recommended, and may be used pretty liberally with good results. When well dug the ground should be allowed to remain till spring to settle, and be worked by the frost. Before sowing it should be made even with a rake, freed from all stones, and carefully rolled until a firm surface is obtained. If soil, in the process of leveling, to be carted from one spot to another, use planks, upon which to wheel the barrows. Light dressings with Galloway-Bowman's Lawn Manure before rain will be found of great service in keeping up a good standard of growth and healthy color.

## How to Renovate

If the lawn has been neglected, but is not too full of weeds or too uneven, our Special Mixture of Grass Seeds should be used to the amount of about 1 lb. to every 200 square feet. Stir the surface of the lawn before sowing, with an iron rake and roll after the seed is sown.

Moss will not grow where lawns have been properly manured, but should this not have been done, a dressing of wood-ashes will remove it if the ashes are allowed to remain long enough. The grass is not injured by the application. When lawns show a sign of failing in dry weather they should be watered in the evening. We have often seen lawns liberally sprayed with cold water during the hot midday sun. Let us here tell you that nothing is more likely to injure a lawn quicker than this thoughtless practice, for the grass becomes cooked and the soil often baked, never under any circumstances water your lawn until the sun is off the grass. Evening is always the best time to water. This also applies to flower beds and borders.

## Value of a Lawn

There is nothing more pleasing to the eye, that adds more beauty to the home, and in every way adds to the general appearance throughout than a well made and well kept lawn.

Take, if you will for example, a new fine home just built; there is something lacking, something incomplete about the general appearance, but as soon as the lawn is prepared, the proper grass seed has been sown, then the surroundings become more a thing of beauty which adds to the general appearance of the whole place, and not until the lawn is in a pleasing condition can the improvements on the place be in any way considered complete.

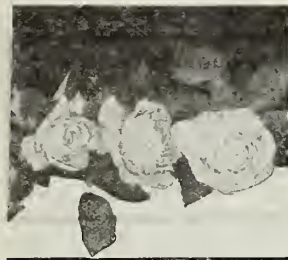
## LAWN LIFE

### The Great Lawn Fertilizer

Especially Prepared by Our Mr. Hall, Grass Expert.

We have prepared a Special Lawn Fertilizer which we have used upon our own Lawns and Playing Grounds during the Spring and Summer to great advantage. The grass which was in very poor shape and of unhealthy color, after two or three treatments soon began to improve and during the summer was a beautiful carpet of delightfully rich, dark green grass; something good to look upon, the admiration and envy of all who saw it and a real pleasure to tread upon. Now if your lawn or grass patch is in bad shape just let us send you a bag of this matchless Fertilizer. It certainly will do for your lawn what it did for ours. Many a good grass patch is spoiled for lack of a little plant food. Our fertilizer is good also for flower beds and borders; also for pot plants inside and out of the house; has no objectionable odor. As a stimulant for tomatoes and other vines it is without an equal. Last but not least, the price is right.

**Cat No. 402B—5 lb. Bag, 35c (Sufficient for 200 sq. ft.); 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.**



**THE GREATEST FLORAL TREASURE**

# ROSES

**THE BEST LOVED HOME FLOWER**



## THE QUEEN OF FLOWERS

EVERYBODY inherits a love of roses. The earliest records of cultivated plants tells us of roses. All nations acclaim her the Queen of Flowers, by reason of her great beauty of form and color and exquisite fragrance.

No home is complete without them and everyone should order some of the following varieties, which we GUARANTEE to be the cream and best of all the 500 or more varieties offered for

sale by different rose growers. They are also all hardy 2-year-old field grown plants, and not small pot plants which are inferior. By all means order some of these for yourself, mother, sister or friend. REMEMBER we guarantee these plants to reach you in good condition and our free booklet telling you how to grow roses goes free with each order.

## RARE ROSE BARGAIN

REMEMBER, these plants are two years old, field-grown, and are usually sold at 50c each. Our low price brings them to your home. No veranda should be without these three, the best and hardiest climbing roses yet introduced—too well known to need any explanation. They are the best plants that rose specialists can grow and under favorable conditions, will give a wealth of flowers the first season.

**3** | 2-year-old Crimson Rambler—ROSE  
 | 2-year-old Pink Rambler—ROSE  
 | 2-year-old Dorothy Perkins—ROSE **55c**

SENT PREPAID TO YOU

### CLIMBING ROSES

**CRIMSON RAMBLER** — Two-year plants will attain a height of 10 to 20 feet in a single season, and the second year they will continue to produce a marvelous profusion of rich and glowing crimson flowers in large clusters. It presents a vivid crimson mass of beauty when in full bloom, during June and July. It is absolutely hardy everywhere.

Cat. No. 452B—2 year old plants, 27c each, by express; 34c postpaid; 6 for \$1.25 by express.

**WHITE RAMBLER**—Flowers the size of a silver quarter, perfectly filled, very fragrant, color white, sometimes tinged with blush; vigorous and hardy.

Cat. No. 454B—2 yr. old plants, 35c each by express; 40c postpaid; 6 for \$1.75 by express.

**GOLDEN RAMBLER**—Flowers deep yellow changing to a fine white, with yellow center, full and fragrant and a constant and profuse bloomer. Plants of this variety have been known to retain from 75 to 100 buds and flowers till the middle of November.

Cat. No. 452C—26c by express; 29c postpaid; 6 for \$1.40 by express.



Frau Karl Druschki

### CLIMBING ROSES

**DOROTHY PERKINS** (The Brilliant Pink Rambler Rose)—Flowers are borne in large clusters, are very double, with prettily crinkled petals; remarkably pretty pointed buds, beautiful clear shell-pink in color, lasting a long time without fading. The bush is perfectly hardy in all localities, a rapid and thrifty grower, bearing its wondrous flowers in great clusters.

Cat. No. 453B—2 year old plants, 24c each, by express; 30c postpaid; 6 for \$1.15 by express.

**PHILADELPHIA CRIMSON RAMBLER**—This now famous variety differs from the old Crimson Rambler in having brighter, deeper and more intense crimson color. Earlier than the Crimson Rambler and entirely free from mildew. Flowers perfectly double and of excellent substance.

Cat. No. 453C—33c by express; 38c postpaid; 6 for \$1.75 by express.

**PINK RAMBLER**—Has large trusses of brilliant carmine flowers and is very popular. Differs from the Dorothy Perkins in larger flowers and clusters, and should be added to your order.

Cat. No. 455C—28c by express; 33c postpaid; 6 for \$1.30 by express.

## GREAT OFFER

One Each of the above 6 Famous Climbing Roses for \$1.35 by Express, \$1.60 Postpaid. Cat. 454C.

### Hybrid Perpetual Frau Karl Druschki

nothing less than glorious—immense in size and produced with great freedom on long, stiff stems. The color is marvelously white, without a tinge of yellow or any other shade. Hardy everywhere. Cat. No. 455C—30c by express; 36c each postpaid; 6 for \$1.50 by express.



Galloway Bros.-Bowman Co.

Our shrubbery is doing fine and the Wiegalias are a mass of bloom, also the Rambler Roses.

Mrs. Will F. Hooker,  
Hamilton, Mo.

### Satisfaction or Money Back

Read what our customers last year say about our roses. We guarantee them to give you the same satisfaction. Why not buy a few of these plants and enjoy them next summer? Send in your order early.

Galloway Bros.-Bowman Co.

Dear Sirs:—I received the 55c collection of roses and am well pleased with them.

Mrs. E. W. Blumenstein,  
R. R. No. 3, Wellman, Iowa

# Hybrid-Perpetual Roses

**Paul Neyron** The flowers are immense; probably the largest and finest Rose; bright, shining pink; clear and beautiful; very double and full; finely scented; blooms the first season and all summer; no collection is complete without this magnificent variety. Added to other qualities it is perhaps one of our hardiest roses and will do well even in Alaska.

Cat. No. 450-B, 2 yr. old field grown, by express 30c; 35c postpaid.

**Magna Charta** Extra - large, full flowers, very double; of fine form, and sweet; clear, rosy red, beautifully flushed with violet crimson; sure and profuse bloomer. One of the best blooming perpetual roses.

Cat. No. 448-B, 2 yr. old field grown, by express 30c; 35c postpaid.

**Clio** A really grand Rose: On the order of Baroness Rothschild. Recommended by expert growers as the finest Rose of this type. Strong, vigorous grower, handsome foliage. Flowers flesh-color, shaded in the center with rosy pink; large, of fine, globular form, freely produced.

Cat. No. 448-C, 2 yr. old field grown, by express 32c; 37c postpaid.

### Anna De Diesbach

(Glory of Paris.) Most lovely brilliant carmine; long, pointed buds, and large, finely formed, compact flowers; very full and double and delightfully sweet. A vigorous grower and fine bloomer.

Cat. No. 449-C, 2 yr. old field grown, by express 30c; 35c postpaid.

### Coquette Des Alps

Large, full, finely formed flowers, pure white, sometimes faintly tinged with pale blush; profuse bloomer.

Cat. No. 450-C, 2 yr. old field grown, by express 26c; 31c postpaid.

**Gruss En Teplitz** For intense and dazzling color there is no other Rose to compare with this splendid kind. The flowers are large and handsome, moderately double, of splendid substance, and are produced in amazing profusion during the whole of the growing season; in fact, it is always in bloom. The color is fiery crimson, shaded with a dark velvety sheen, a combination found in no other Rose.

Cat. No. 447-C, 2 yr. old plants, by express 32c; 37c postpaid.

### General Jacqueminot

Bright, shining crimson, rich and velvety; exceedingly brilliant and handsome; makes magnificent buds and flowers, and is highly esteemed as one of the best and most desirable Roses for open ground and also for forcing. See this old favorite Rose on the color plate on page 20.

Cat. No. 447-B, 2 yr. old plants, by express 29c; 34c postpaid.

**Mrs. John Laing** Immense flowers, full and double, borne in great profusion on long, stiff stems, and exceedingly sweet. Clear bright, shining pink, exquisitely shaded. Buds long.

Cat. No. 449-B, 2 yr. old field grown, by express 28c; 33c postpaid.

### Marshall P. Wilder

Flowers large, semi-globular, full and of good substance; bright scarlet-crimson, richly shaded with maroon.

Cat. No. 448-B, 2 yr. old plants, by express 28c; 33c postpaid.

### Crested Moss Rose

Entirely hardy everywhere. Beautiful rose pink. Mossing is handsome and effective. Flowers are particularly bright and delightfully fragrant.

Cat. No. 446-C, 2 yr. old plants, by express 34c; 39c postpaid.



Paul Neyron

## America's Best Blooming Rose

**BABY RAMBLER ROSE.** The new dwarf Crimson Baby Rambler, the sensation of America for the last two years, blooms every day in-doors and all summer out-doors. The flowers are borne in clusters of twenty or thirty or more, and resemble in every way the Crimson Rambler. No collection is complete without them.

Cat. No. 451B—2-year old plants, by express, 45c; 53c postpaid.

## 10 Hardy Free Blooming Roses \$2.60 Postpaid

You may have one each, of the above 10 Hybrid Perpetual roses or 10 of any one or two kinds, your selection.

This is one of the greatest bargains on 2-year old roses ever made, and \$2.60 brings them to your door. They are all good, strong healthy plants, the same as we would send you on any other order, and we want all of our customers to take advantage of this great opportunity, and get your roses at the right price. ORDER NOW.

Cat. No. 451C.



# HOUSE PLANTS

## Asparagus

**ASPARAGUS SPRINGERI** (Asparagus Fern). Perhaps the best known plant introduced in years. Especially useful to grow as a pot plant for decorative purpose and for hanging baskets. It grows freely the whole year around. It withstands a dry atmosphere and is an excellent house plant.  
**Cat. No. 385B**—Nice plants, 50c, by express, 65c, postpaid; larger size, 75c, by express, 90c, postpaid.

**ASPARAGUS PLUMOSIS**. A beautiful plant with bright green gracefully arched foliage.  
**Cat. No. 386B**—Nice plants, 50c, by express, 65c, postpaid; larger size, 75c, by express, 90c, postpaid.

## Ferns

**OSTRICH PLUME FERN** (Nepherlopsi Piersonii). A beautiful fern, possessing the same vigorous growth of the Boston Fern. Fronds deep and heavy, with a feathery plume-like foliage.  
**Cat. No. 388B**—Nice plant, 55c, postpaid; larger, 85c, postpaid.

**BOSTON FERN**. Well known standard variety. Will grow larger than any other variety. Leaves long and slender, drooping gracefully.

**Cat. No. 387B**—Nice plant, 50c, postpaid; larger, 80c, postpaid.

**HOLLY FERN**. A pleasing novelty, whose dark green holly-like leaves make it very ornamental. Very easily grown.

**Cat. No. 387C**—Nice plant, 40c, postpaid; larger, 70c, postpaid.

**GREAT OFFER** Cat. No. 388C—One each of the above five beautiful house plants will be sent you prepaid, for \$2.50.



**ASPARAGUS SPRINGERI**

Galloway Bros.-Bowman Co.,  
 Waterloo, Ia.

Gentlemen:—

I received my Geranium Saturday in fine condition. As soon as I planted it, it began to spread out its leaves and today it looks as fresh as if it had not been set over.

I thank you ever so much for your kindness and hope I can do you a favor some day.

We expect to set out some fruit trees and hope you will send us one of your catalogs early.

I am sending you five cents postage in this letter. Wishing you good success, I remain,

Respectfully,

MRS. FRED ZEGLIN,

R. R. No. 3

Anthon, Ia.

## CHRYSANTHEMUMS

One of the best old fashioned flowers. Is a great bloomer, will grow equally well in heat or cold and the flowers keep well. Grow them outside this summer and bring in the house for winter.

Following are the colors:

### POSTPAID PRICES

White . . . . .	8c each	\$0.80 per doz.
Pink . . . . .	7c each	.70 per doz.
Red . . . . .	9c each	.90 per doz.
Yellow . . . . .	7c each	.70 per doz.

Bronze . . . . .12c each 1.20 per doz.  
**Cat. No. 389C.**

### BARGAIN

1 of each color . . . . .	\$0.35
2 of each color . . . . .	.65
3 of each color . . . . .	1.00

## VINCA VINES VARIAGATED

There is probably no more showy plant and certainly no vine more showy than the well known Vinca. Grows well the whole year, has wonderfully variegated foliage and is especially suited for hanging baskets or porch boxes.

**Cat. No. 390C**—Good plants, 14c each, postpaid; 6 for 75c, postpaid; 12 for \$1.40, postpaid.

## HANGING BASKET COLLECTION

Nothing adds more charm to the veranda, more dignity to the home or makes the home more homelike than a nice arrangement of hanging baskets. We have made up a selection of the best plants for this purpose, which we offer as follows:

- 3 Ivy Leaf Geraniums
- 4 Vinca Vines
- 1 Asparagus Plumosis
- 3 S. A. Nutt Geraniums

11 Plants for . . . . . \$1.50

**Cat. No. 391C.**

Shadyside Place,  
 Swazsee, Ind.  
 Galloway Bros.-Bowman  
 Co., Waterloo, Ia.  
 Gentlemen:—  
 The plants received in excellent condition. I am well pleased with them. The ferns are beauties.  
 Respectfully,  
 MRS. S. S. GOBLE.

Galloway Bros.-Bowman  
 Co., Waterloo, Ia.

Dear Sirs:

Order received in good condition and I was well pleased with my fern.

Respectfully,

PERCY A. LOW,

R. No. 1. Dexter, Ia.



**CHRYSANTHEMUMS**

STOP RIGHT HERE  
 SPECIAL

DON'T READ ANYTHING  
 FURTHER BEFORE  
 ORDERING ONE OF  
 THESE PLANTS.

**GERANIUM DAINTY**. A fine new variety, imported from Europe by us two years ago. A beautiful shade of pink. This Geranium is Mr. Galloway's favorite and we sold them last year at 50c each. Because we have a larger supply on hand this year and because they were so satisfactory to our customers last year, we are offering them again at a greatly reduced price.

**Cat. No. 830B**—35c each postpaid; 6 for \$1.80 postpaid.

**GERANIUM S. A. NUTT**. An old time favorite, the best red grown and a very free bloomer.

**Cat. No. 389B**—Postpaid 18c; by express 15c; \$1.50 per doz.

**LA FAVORITE**. A fine white, even when grown in the open ground.

**Cat. No. 390B**—Postpaid 18c; by express 15c; \$1.50 per doz.

**MRS. E. G. HILL**. Flowers large and perfect in form. Brilliant salmon with a light shading.

**Cat. No. 391B**—Postpaid 18c; by express 15c; \$1.50 per doz.

**SILVER LEAFED GERANIUM** (Madam Salleron). Fine dwarf geranium with variegated foliage. A fine bedding plant and especially suitable for edging beds.

**Cat. No. 392B**—Postpaid 13c; by express 10c; \$1.00 per doz.

**IVY LEAF GERANIUM**. A very pleasing novelty, with dark green leathery leaves. Flowers a beautiful shade of pink. Best geranium for hanging baskets.

**Cat. No. 392C**—Postpaid 23c; by express 20c; \$2.00 per doz.

DON'T FAIL TO ORDER ONE OF OUR GERANIUM DAINTY



**GERANIUM DAINTY**



Galloway-Bowman's Dahlia

**PETUNIA (Model Mixed).** Our model mixture of petunia is not to be confounded with the common variety so often sent out. Our mixture consists of only the large flowered varieties. They are indispensable as bedding plants; for brilliant effect they are unsurpassed.

**Cat. No. 927B—Strong plants, 85c per doz., postpaid; 75c by express.**

**RICINUS (Castor Oil Plant).** This beautiful foliage plant should be planted in every garden. The beautiful variation of color in foliage makes them very attractive. Our mixture contains all the light green, bronze and copper colored varieties. For filling in corners or as a centerpiece for flower beds they are ideal. Try a few of them in your shrubbery and note the delightfully pleasing effect.

**Cat. No. 928B—Good plants, \$1.30 per doz., postpaid; \$1.15 by express.**

**VERBENA (Mammoth flowering mixed).** This verbena plant is a distinct advance on the old small flowering variety. The plants are more robust and produce blooms twice the size of the old variety and are much more varied, in fact scarcely any known shade or color is missing in this magnificent collection. Try a bed of Mammoth flowering verbenas, you will be delighted with them.

**Cat. No. 929B—Good plants, \$1.00 per doz., postpaid; 80c per doz., by express.**

**ZINNIA (Giant double mixed).** This mixture consists only of all the latest and best kinds of double Zinnias. These fine plants grow to an enormous size, single plants measuring from two to two and a half feet across and produce 40 to 50 blooms on each plant. They are perpetual bloomers, continuing in bloom until severe frosts cut them off.

**Cat. No. 930B—95c per doz., postpaid; 80c per doz., by express.**

**A BEAUTIFUL GARDEN FOR \$2.00**

The following plants are all selected from the best bloomers, and will afford a wealth of flower from late spring until frost.

- |                    |            |          |                       |
|--------------------|------------|----------|-----------------------|
| 1 Castor Oil Plant | 5 Verbenas | 5 Salvia | 5 Dwarf Blue Ageratum |
| 5 Zinnias          | 5 Petunia  | 5 Pansy  | 5 Carnation           |

Cat. No. 931B.

**TENDER OR BEDDING PLANTS**

**AGERATUM DWARF BLUE.** As a bedding plant for borders, we know of no more beautiful flower. Its dwarf habit and bright blue color making it ideal. A bed of pansies bordered with dwarf blue ageratum makes a charming flower bed and will remain in bloom until cut off by frost.

**Cat. No. 920B—Nice strong plants, 85c per doz., postpaid; 70c per doz., by express.**

**ASTER. Giant Victoria and Comet Mixed.** Our aster mixture is one of which we have every reason to be proud. These plants are grown from our own seed. There are no finer asters anywhere than the Giant Victoria and Comet mixed. Every shade of color known to the Aster world is contained in this mixture. The flowers, which are borne on long stiff stems, are large and handsome, resembling the Japanese Chrysanthemum, only much more varied in color.

**Cat. No. 921B—Nice strong plants, \$1.00 per doz., postpaid; 80c per doz., by express.**

**ALTERNANTHERA VARIEGATA.** A pretty little dwarf variegated plant specially adapted to carpet bedding, color deep crimson and green, much appreciated by those requiring plants for the decoration of graves. It is used very much for this purpose.

**Cat. No. 922B—Nice strong plants, 75c per doz., postpaid; 60c per doz., by express.**

**CARNATIONS (Margueritea mixed).** Next to the rose, no flower is so well known or appreciated as the carnation. Our mixture contains every known shade and color and is bound to please. **Cat. No. 924B—Good plants, 80c per doz., postpaid; 70c by express.**

**SALVIA SPLENDENS.** The best of all the salvias either for bedding or for pots. A beautifully compact plant producing an abundance of brilliant fiery scarlet flowers on stems 12 to 18 inches in length.

**Cat. No. 925B—Good plants, 90c per doz., postpaid; 80c by express.**

**PANSY GIANT FLOWERING.** This beautiful plant is too well known to require a lengthy description. Our pansy plants however are not the small flowered kind, which so often disappoint, but the Giant French variety.

Every plant will produce tremendous flowers of every color from pure white to black, also striped and blotched, crested and plain edged. We have no hesitation in saying that our pansy mixture cannot be excelled at any price.

**Cat. No. 926B—Fine plants ready to flower, \$1.00 per doz., postpaid; 80c by express.**



Hardy Carnations



Galloway-Bowman's Gladiolus

**Coleus Mixed Hybrids**

A well known foliage plant of much value for ornamental bedding. Our mixture contains all the new hybrids, both light and dark foliaged and can be depended upon to give perfect satisfaction even to the most exacting lover of Coleus.

**Cat. No. 923B—Good stocky plants, 85c per doz., postpaid; 70c by express.**

**Spring Bulbs**

**DAHLIAS.** These showy and pretty flowers are becoming very popular. Begins to bloom in July and blooms until frost. (See cut above.) Fine mixed colors.

**Cat. No. 383B—20c each, \$1.50 per doz., postpaid.**

**CANNAS.** The grandest of all bedding plants of quick growth and tropical appearance. They present throughout the summer a mass of gorgeous color, withered only by the frost in fall.

**Cat. No. 382B.**

**Fine Red Flowering, 16c each, postpaid; \$1.60 per doz., postpaid.**

**Fine Yellow Flowering, 15c each, postpaid; \$1.50 per doz., postpaid.**

**Fine Red Leaved Variety, 18c each, postpaid; \$1.80 per doz., postpaid.**

**GLADIOLUS.** A well known and attractive summer flowering bulb. Used extensively for cut flowers and should be in every garden. They are very easy to grow. (See cut on this page.)

**Cat. No. 384B.**

**1st Prize White, 65c per doz., \$3.75 per 100, postpaid.**

**1st Prize Red, 70c per doz., \$4.00 per 100, postpaid.**

**1st Prize Pink, 65c per doz., \$3.75 per 100, postpaid.**

**Best Mixed Sorts, 50c per doz., \$3.00 per 100, postpaid.**

**ELEPHANT EAR (Caladium).** A splendid tropical appearing plant with very broad showy leaves. Grows 4 to 5 ft. high. (See cut.)

**Cat. No. 381B—15c each; \$1.50 per doz.**



Caladium

# A STRAWBERRY TALK

(BY WM. GALLOWAY)

**I**F there is anything that grows on a tree, bush, vine or plant that is more delicious than a fully ripened and freshly picked strawberry, it is something that I have never had the pleasure of tasting.

A family garden without strawberries is as incomplete as a home without children. No amount of money can buy boys and girls like those you raise yourself. Neither can any amount of money buy strawberries like those you can raise yourself, right in your own garden, picked when and as you want them.

To have fresh strawberries and cream, shortcake, pure jam, preserves and canned berries is a luxury enjoyed only by those who grow their own strawberries.

To grow strawberries requires no more experience or work than any other common vegetable and will yield more dollars worth of the best fruit per square foot than any crop grown. Any soil that will grow vegetables or grain will grow strawberries.

I want to call your particular attention to the new American Everbearing Strawberry. This berry has been thoroughly tried out and tested and is a success in every way and it insures a fine crop of strawberries in the fall about corn cutting time. We have contracted for 300,000 of these plants and are therefore in position to offer them at a less price than they were ever offered before by any other house.

By all means get a hundred of these and also some of our old standard varieties and raise some of these great berries.

*Wm. Galloway*



AMERICUS

## New Everbearing Variety AMERICUS

Fall bearing strawberries are no longer a test but a reality. Our Americus Everbearing Strawberries are not only a novelty for the man who wants something his neighbor lacks, but a money maker from a commercial standpoint, the Americus will bear as many quarts to the acre in the fall as will common June bearing kinds at the regular season.

This variety originated in Iowa in 1905, and is without doubt the best variety, for the average person, of all the fall bearing kinds.

It is not a large plant maker, but has very healthy foliage and will stand extraordinary hot weather when other varieties would die. The flavor is the best of the fall bearing kinds and a shortcake of Americus in September or October is the most attractive dish imaginable. We have contracted for 300,000 of these and are offering them at the lowest prices ever offered before.

### Plants Guaranteed to be True to Name

These berries are usually offered at from \$1.50 to \$2.50 per dozen. **OUR PRICES ARE LOWEST EVER OFFERED.**

#### Our Prices

**80c per dozen; 50 for \$3.00. 100 for \$5.50; 1000 for \$40.00  
All Postpaid. Catalogue 810 B.**



MITCHELL'S EARLY

## Spring Bearing Varieties

**SENATOR DUNLAP**—Known as Dunlap, also as Senator. One of the most popular of all varieties. Usually begins to ripen about June 15th. The plants are vigorous, healthy growers and produce more berries and good berries, too, under neglect, than any other variety. Fruit averages from medium to very large in size, depending on care. Berries are a dark, rich red color, firm and adapted for eating as well as canning.

**BRANDYWINE**—An old favorite for canning. Plants very vigorous and great runners. It has proven the most productive of any under test.

25 for 40c; 100 for \$1.15; 500 for \$5.50, all postpaid, Cat. No. S21B.

**UNCLE JIM**—Here is another choice, large, medium late berry. One that will prove satisfactory on almost every kind of soil. Very productive, with berries of good color and quality.

25 for 40c; 100 for \$1.15; 500 for \$5.50, all postpaid, Cat. No. S22B.

**MITCHELL'S EARLY**—Has long been known as an extra early berry. Berries medium size, cone shaped and a good shipper.

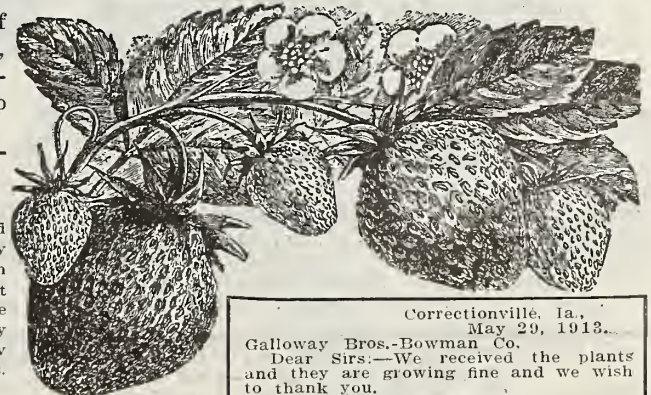
25 for 40c; 100 for \$1.15; 500 for \$5.50, all postpaid, Cat. No. S23B

**NOTE**—The above strawberries are all of the PERFECT or STAMINATE varieties, that is they all can be planted alone and produce fruit and do not need the companionship of any other variety to bear perfect fruit.

### Dewberry

**LUCRETIA**—A marvelous berry. In size and quality this low growing and trailing blackberry equals any of the upright sorts. Its berries ripen before blackberries are gone, are large, soft, sweet and luscious throughout. No hard core. The vine is perfectly hardy and healthy. Is the ideal berry to grow over walls, trellises, fences or rocky slopes, where there is no room for other berries. Be sure to order this famous berry.

12c each; 6 for 60c; 12 for \$1.00, postpaid. Cat. No. S24B.



Correctionville, Ia.,  
May 29, 1913.

Galloway Bros.-Bowman Co.  
Dear Sirs:—We received the plants and they are growing fine and we wish to thank you.

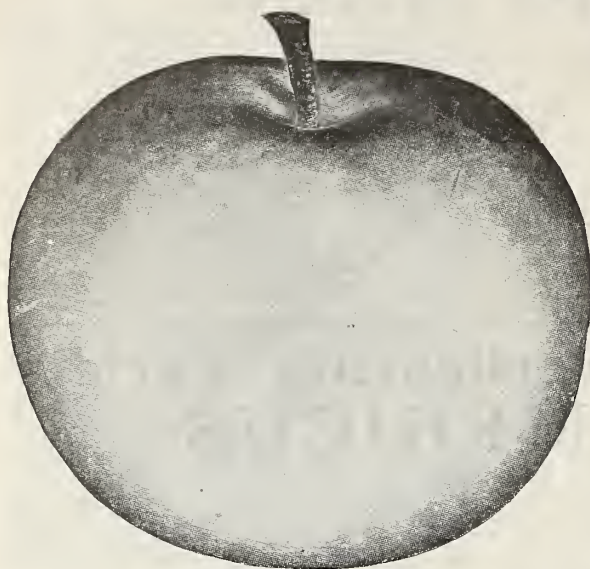
Respectfully,  
F. K. ROCK.



SENATOR DUNLAP



# FRUITS



Duchess of Oldenburg Apple

### READ THIS

YOU know that there are over 500 different varieties of apple trees offered for sale by various nurseries. But you do know that Agricultural reports state that 18 varieties will cover the entire range. In other words 482 varieties differ from these 18 only in name. Look over our list, notice our low prices, also that our varieties are the choicest, also remember that we guarantee them to reach you in perfect condition and give you free with each order a booklet, telling how to grow and care for plants of all kinds. Your money's worth or your money back. Send in your order early, and you will get prompt service.

### ENSEE APPLE

#### THE NEW VARIETY THAT IS SHOWN AT STATE FAIRS

THIS wonderful new variety is about the size and color of Rome beauty, with quality of Jonathan, but more juicy and never gets dry, even after being kept in cold storage one year. Color—yellow splashed with crimson. It is a sure bearer beginning at four years and produces immense crops. The foliage is very healthy, immune to blight, and the fruit has made a wonderful success, both as a market and home apple.

#### READ THIS!

United States Dep't of Agriculture.

Dear Sirs: I have seen the Ensee growing on the original tree, have eaten the fruit and kept it in cold storage a year and am of the opinion that it is a valuable variety. Its size, color, season and good quality combine to make the Ensee a first-class apple and I predict that it will take a high place in the list, both for market and home use.

W. J. GREEN, Horticulturist.

WE HAVE a nice stock of this tree on hand, so we are making the following low prices on these trees.

Cat. No. 850B—60c each; 3 for \$1.50; 12 for \$5.00; 100 for \$35.00.

## APPLES

**DUCHESS OF OLDENBURG**—A standard apple for hardiness and is succeeding more universally throughout the Northwest than any other variety. Fruit extra size, tart, pale green, striped pink. An immense bearer. Yellow. Transparent. One of the very earliest. Fruit, medium smooth and fine grained, becomes yellow when fully ripe. Splendid quality.

Cat. No. 499B—4 to 5 ft., 34c each.

**BEN DAVIS**—Well known. Used extensively for top working other varieties.

Cat. No. 492B—4 to 5 ft., 28c each.

**NORTHWESTERN GREENINGS**—Fruit pale green, tinted with a little red. Sub-acid and of excellent quality.

Cat. No. 490B—4 to 5 ft., 34c each.

For anyone wanting any of the following well known varieties in 4 to 5 ft. stock our prices are:

WOLF RIVER  
YELLOW TRANSPARENT  
WINESAP  
JONATHAN  
BANANA  
NORTHERN SPY

Cat. No. 493B—  
4 to 5 ft., 30c each.

### SPECIAL NOTICE

You will find all the above prices very low. Besides that a 30 page book all about growing trees with each order

## CRAB APPLES

**HYSLOP**—An old and popular crab. Hardy and a good grower; fruit large, with deep crimson color, flesh white, tinged with red.

Cat. No. 494B—4 to 5 ft., 30c each.

**TRANSCENDENT**—Fruit medium, color brownish yellow with carmine blush. Flesh crisp, fine grained and very juicy. Very hardy.

Cat. No. 495B—4 to 5 ft., 30c each.

### QUANTITY PRICES OF APPLES and CRABS

10 Apples for \$ 2.80—4 to 5 ft.  
25 Apples for \$ 6.50—4 to 5 ft.  
100 Apples for \$24.00—4 to 5 ft.

**WEALTHY**—A fine hardy nursery tree. One of the most profitable varieties known. Fruit large, dark crimson. Sub-acid, flesh firm and coarse grained.

Cat. No. 491B—4 to 5 ft., 30c each.

**GANO**—An improved Ben Davis. Very fine and hardy.

Cat. No. 500B—4 to 5 ft., 30c each.



### BRADSHAW PLUMS

## PLUMS

**BRADSHAW**—Large, flesh green, juicy, productive, fine for market.

Cat. No. 496B—3 to 4 ft., 28c each.

**SHROPSHIRE DAMSON**—Medium, dark purple, very productive, best for preserving.

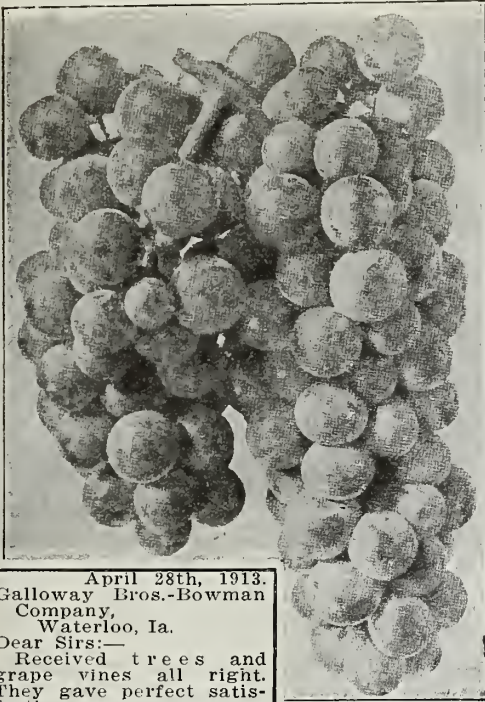
Cat. No. 497B—3 to 4 ft., 35c each.

Also the following well known varieties:

Abundance, Burbank, Lombard, Red June, Reine, Claude and Wickson at  
Cat. No. 498B—3 to 4 ft., 28c each.



Pure Genuine and Unadulterated Seeds that Grow



Niagara Grapes

April 28th, 1913.  
Galloway Bros.-Bowman  
Company,  
Waterloo, Ia.  
Dear Sirs:—  
Received trees and  
grape vines all right.  
They gave perfect satisfaction.  
Homer F. Larrow,  
McConnell, Ill.

NOTE—Add 3 cents each to the prices below when sent by mail.

### Grapes

No kind of fruit yields a larger or richer harvest than grapes. Will grow anywhere, occupy an old fence or your best field and pay big returns.

- BRIGHTON RED**—Bunches and berries large. Fine rich flavor.  
Cat. No. 501B—2-year plants, 15c each; 6 for 65c; 12 for \$1.25, by express.
- CONCORD**—Black, early, sweet; most popular grape in America.  
Cat. No. 502B—2-year plants, 13c each; 6 for 55c; 12 for \$1.15, by express.
- NIAGARA**—Finest white grape, leading market; variety best.  
Cat. No. 503B—2-year plants, 15c each; 6 for 65c; 12 for \$1.25, by express.
- Also Agawan, Catawba, Delaware, Moore's Early and Worden varieties in 2-year plants, 15 each; 6 for 65c; 12 for \$1.25. Cat. No. 501C.

### Gooseberries

- DOWNING**—A well known variety. Gives the best of results everywhere.  
Cat. No. 504B—2-year plants, 25c each; 6 for \$1.20, by express.
- HOUGHTON**—Most productive, best payer of all; excellent quality.  
Cat. No. 505B—2-year plants, 23c each; 6 for \$1.15, by express.

### Currants

- FAYS (Red)**—Has fully sustained all the claims that have been made for it. Best for market and home use.  
Cat. No. 506B—2-year plants, 15c each; 6 for 65c; 12 for \$1.25, by express.
- WHITE (Grape)**—Well known white variety, excellent quality.  
Cat. No. 507B—2-year plants, 15c each; 6 for 65c; 12 for \$1.25, by express.

### Raspberries

- KANSAS BLACK**—A very hardy early variety. Bushes very sturdy and a great bearer.  
Cat. No. 508B—Strong plants, 5c each; 6 for 25c; 12 for 45c; 100 for \$3.00, by express.
- CUMBERLAND**—In hardiness and productiveness it is unexcelled. Berries large and one of the best varieties.  
Cat. No. 509B—Strong plants, 5c each; 6 for 25c; 12 for 45c; 100 for \$3.00, by express.
- CUTHBERT**—Queen of the market. Best variety—flesh rich crimson and very sweet.  
Cat. No. 509C—Strong plants, 5c each; 6 for 25c; 12 for 45c; 100 for \$3.00, by express.

### Blackberries

- ELDORADO**—Sweet, melting, rich. A good bearer. One of the best.  
Cat. No. 510B—Strong plants, 6c each; 6 for 30c; 12 for 50c; 100 for \$3.00, by express.

### Pears

- BARTLETT**—Large, juicy, high flavored, great bearer, very popular. Early variety.  
Cat. No. 511B—4 to 5 ft., 40c each; 6 for \$2.00 by express.
- CLAPP'S FAVORITE**—Large, yellow and dull red, rich, early variety.  
Cat. No. 512B—4 to 5 ft., 45c each; 6 for \$2.20 by express.
- DUTCHESS**—Very large, extra fine quality. Hardy and a good market tree.  
Cat. No. 514B—4 to 5 ft., 40c each; 6 for \$2.00 by express.
- KEIFFER**—Very prolific bearer, fruit of good quality, fine for market. The best late variety.  
Cat. No. 513B—4 to 5 ft., 40c each; 6 for \$2.00 by express.

**WONDERFUL PEAR OFFER \$1.85**  
**12** This is one of our best offers, so be sure and order this one.  
Dwarf Dutchess Pear for..... **1**

### Cherries

- LATE DUKE**—Large, light red, late. Very fine and hardy.  
Cat. No. 515B—3 to 4 ft., 26c each; 6 for \$1.25.
- MONTMORENCY**—Large red, very productive, well known; hardy.  
Cat. No. 516B—3 to 4 ft., 28c each; 6 for \$1.25.
- EARLY RICHMOND**—The best early variety.  
Cat. No. 515C—3 to 4 ft., 30c each; 6 for \$1.50.

### Peaches

- CRAWFORD'S EARLY**—Magnificent large yellow peach. The best.  
Cat. No. 517B—3 to 4 ft., 18c each; 6 for 95c.
- ELBERTA**—Large yellow, red cheek, flesh yellow, firm, juicy.  
Cat. No. 518B—3 to 4 ft., 24c each; 6 for \$1.25.
- CROSBY**—Freestone, medium size, light yellow flesh.  
Cat. No. 519B—3 to 4 ft., 17c each; 6 for 95c.

**Our Great Offer of Small Fruit**  
**\$1.50** Brings Forty-One Valuable Plants **\$1.50**  
to Your Door

- |                |                |
|----------------|----------------|
| 5 CURRANTS     | 3 BLACKBERRIES |
| 2 GOOSEBERRIES | 3 PIE PLANT    |
| 3 RASPBERRIES  | 25 ASPARAGUS   |

**BILL GALLOWAY SAYS:—**  
"Plant these forty-one Plants, NOW—this year—and they will pay for themselves ten times over every year for years to come."

**A \$30.00 Orchard for \$10.00**

Galloway's Greatest Bargain Offer. 88 Plants  
At Actual Cost. Here's a Chance to Buy Your Trees Right

- |                         |                    |
|-------------------------|--------------------|
| <b>APPLE</b>            | <b>PEACHES</b>     |
| 5 Northwestern Greening | 5 Alberta          |
| 5 Ben Davis             | 15 Bokara          |
| 5 Duchess of Oldenburg  | <b>CURRANTS</b>    |
| 5 Wealthy               | 3 Cherry           |
| <b>PEARS</b>            | 3 Fay's Prolific   |
| 3 Keiffer               | <b>RASPBERRIES</b> |
| 2 Duchess               | 3 Cumberland       |
| <b>GRAPE</b>            | 3 Kansas Black     |
| 3 Concord               |                    |
| 3 Niagara               | <b>PIE PLANT</b>   |
| <b>PLUMS</b>            | 5 Plants           |
| 2 Abundance             | <b>ASPARAGUS</b>   |
| 3 Burbank               | 25 Plants          |



Cumberland Raspberry



# SHRUBS

## CHEAP ONLY IN PRICE

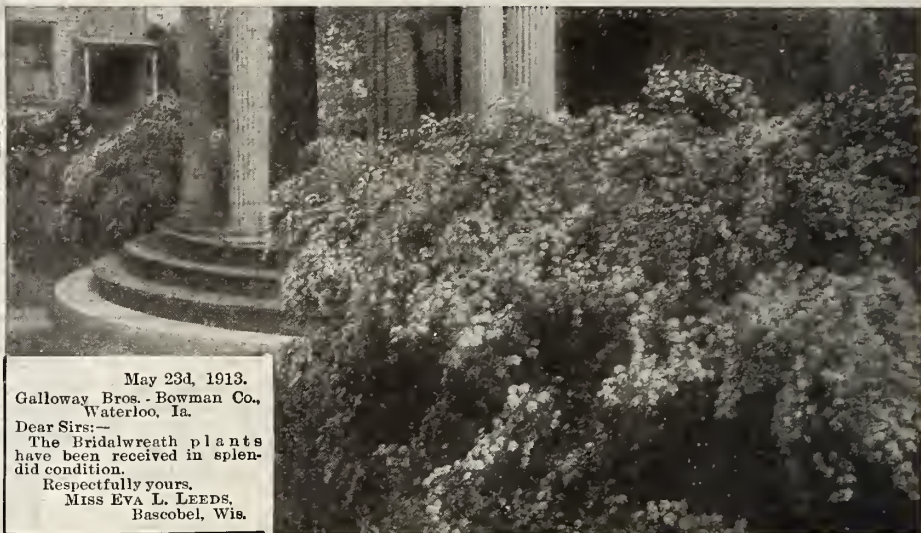
The following pages of shrubs consist of a selected list of hardy plants, which will give more satisfaction and make a greater showing for the money than any other class of plants grown.

No home should be without its Lilacs, Bridalwreath, Deutzia, Hydrangeas or Mock Orange, and nothing will improve the home surroundings so permanently as will this class of plants.

Now, a great deal depends on proper planting with respect to each other and our Landscape Department will give you this information free. READ PAGE 103.

Why not include a few of these plants in your order? You will never miss the money and they will become an ever-increasing joy to you as the years go by.

The varieties we have listed are the best of their respective classes, are all hardy, will grow easily, are the best bloomers, and take the least care and attention after they are started. Our prices are so low that they are within the reach of everybody.



May 23d, 1913.  
Galloway Bros. - Bowman Co.,  
Waterloo, Ia.  
Dear Sirs:—  
The Bridalwreath plants  
have been received in splen-  
did condition.  
Respectfully yours,  
MISS EVA L. LEEDS,  
Bascobel, Wis.

## BRIDALWREATH are very showy

**BARBERRY JAPANESE (Berberis Thunbergii)**—A well known dwarf shrub, dense spreading habit. Small dark green leaves which turn a deep red in autumn. Suitable for hedges.

Cat. No. 410B—12 to 18 in., by express, 19c each; 26c postpaid.

**BARBERRY COMMON (Berberis Vulgaris)**—Of erect growth with thorny stems. Flowers yellow, followed by purplish red berries in the late summer. Very ornamental. Grows 5 to 6 ft. tall.

Cat. No. 411B—18 to 30 in., by express, 21c; 27c postpaid.

**BARBERRY PURPLE (Berberis Purpurea)**—Has the same habits of the common Barberry; leaves are a light purple, which makes it valuable in landscapes. One of the best shrubs.

Cat. No. 412B—18 to 30 in., by express, 22c; 28c postpaid.

**CORAL BERRY (Symphoricarpos Vulgaris)**—Dwarf shrub, will grow well in shady places. Very graceful habit and covered with small red berries in the fall and winter.

Cat. No. 414B—18 to 30 in., by express, 18c; 25c postpaid.

**DEUTZIA, DOUBLE PINK (Deutzia Lemonellii)**—Very robust grower, with large panicles of bloom. Flowers pink. Fine plant. See cut below. Grows 4 to 5 ft. high.

Cat. No. 415B—18 to 30 in., by express, 25c; 31c postpaid.

**DEUTZIA DWARF (Deutzia Gracillii)**—An old-fashioned dwarf shrub. Blooms in shady places as well as sunny places. Very attractive. Flowers, pure white.

Cat. No. 416B—18 to 30 in., by express, 20c; 26c postpaid.

**BRIDALWREATH (Spiraea Van Houttei)**—The most popular shrub in America. The masses of white flowers cause the stems to droop very gracefully. Very hardy and a general favorite. See cut above.

Cat. No. 413B—18 to 30 in., by express, 25c; 31c postpaid.

**DOGWOOD RED (Cornus Sibirica)**—Tall shrub, covered with white flowers in May. In winter the naked bright red branches are very conspicuous. Fine for landscape work.

Cat. No. 424B—15 to 30 in., by express, 21c; 27c postpaid.

**GOLDEN BELL (Forsythia Fortunellii)**—One of the earliest blooming varieties. Flowers yellow on long stems. Bark a dark green. A shrub of very graceful growth.

Cat. No. 425B—15 to 30 in., by express, 20c; 26c postpaid.

**GOLDEN ELDER (Sambucus Aurea)**—Has bright foliage of a clear golden yellow. For color all the year round buy a few of these plants.

Cat. No. 426B—18 to 30 in., by express, 22c; 28c postpaid.

**HONEYSUCKLE BUSH (Lonicera Tartarica)**—Tall shrub with creamy flowers, very fragrant. Hardy and a general favorite.

Cat. No. 428B—15 to 30 in., by express, 21c; 27c postpaid.

**HIGH BUSH CRANBERRY (Viburnum Opulis)**—A variety of snowball; well known decorative shrub. Has large masses of snow white flowers, grows 10 feet and can be used for screens.

Cat. No. 429B—18 to 30 in., by express, 21c; 27c postpaid.

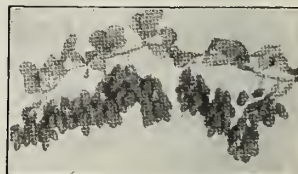
## SPECIAL OFFER

2 BARBERRY THUNBERGII 1 PHILADELPHUS  
1 GREEN LEAF BARBERRY

4 PLANTS NAMED ABOVE

4 Plants 4 Grand Varieties 55c

CAT. NO. 410C. POSTPAID



A Spray of Barberry

**HERCULES CLUB (Aralia Spinosa)**—Stout, thorny branches, leaves 1 to 3 feet long. Odd, but very ornamental. Tremendous clusters of white flowers in August.

Cat. No. 418B—15 to 30 in., by express 40c.

**KERRIA COMMON (Kerria Japonica)**—A very showy shrub, covered with yellow bell shaped flowers in May. Noted for the bright green bark in winter. Cat. No. 420B—18 to 30 in., by express 21c; 26c postpaid.

**KERRIA VARIEGATED (Kerria Japonica Variegata)**—A beautiful dwarf shrub, with beautiful leaves of a dark green color, edged with white. A very striking variety.

Cat. No. 419B—18 to 24 in., by express 21c; 26c postpaid.

## FREE

with each order we will send you a 30 page booklet, which tells you all about growing and caring for plants of all kinds.



DEUTZIAS ARE GREAT BLOOMERS  
SEE DESCRIPTION ABOVE



Pure Genuine and Unadulterated Seeds that Grow



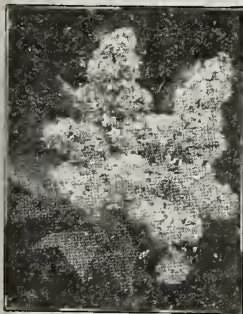
Common Hydrangea—The Best Fall Flowering Shrub

**HYDRANGEA COMMON** (*Hydrangea Paniculata Grandiflora*)—One of the best shrubs, immense white flowers, which turn to pink and brown in the late fall. Very hardy, admired by everyone and can be used for hedges. Don't fail to get this. See cut above. Cat. No. 417B—18 to 30 in., by express, 26c; 32c postpaid.

**HYDRANGEA ARBORESCENS**—A new variety of Hydrangea, blooms two weeks earlier than the common one, flowers large and flat, color pure white. Cat. No. 427B—18 to 30 in., by express, 29c; 35c postpaid.

**SWEET SCENTED SHRUB** (*Calycanthus Floridus*)—A tall old-fashioned flower and should be included in your garden. Broad leaves and gets its name from the fragrance of its small dark red flowers. Cat. No. 438B—18 to 30 in., by express, 21c; 27c postpaid.

**Kill Worms with Bug Death**  
Page 42



A Spray of Lilac

**LILAC COMMON** (*Syringa Vulgaris*)—Lavender flowers, very fragrant. Branches slender, narrow leaves. One of the best. An old time favorite; grows everywhere. Cat. No. 421B—18 to 30 in., by express, 22c; 28c postpaid.

**LILAC, WHITE** (*Syringa Vulgaris Alba*)—A shrub with habits similar to the above flowers; white, fine for cut flowers. Cat. No. 422B—18 to 30 in., by express, 25c; 31c postpaid.



Mock Orange—Be Sure and Order One of These

**MOCK ORANGE** (*Philadelphus Grandiflora*)—A very popular tall shrub. Single white flowers. Good for screening bad views. Used for landscape effects. See cut above. Cat. No. 423B—18 to 30 in., by express, 23c; 29c postpaid.

**PRIVET COMMON** (*Ligustrum Iboite*)—Familiar plant of old-fashioned gardens, grayish green leaves, flowers white, followed by black berries, low growing and graceful. Hardy and can be used for hedges. Cat. No. 433B—18 to 30 in., by express, 20c; 26c postpaid.

**PEARL BUSH** (*Exhardia Grandiflora*)—One of the finest shrubs of its season. Its sprays of pure white flowers give a very rich appearance. Very fine. Cat. No. 432B—18 to 30 in., by express, 19c; 25c postpaid.

**SMOKE TREE** (*Rhus Cotinus*)—A much admired tall shrub, because of its purplish, misty looking flowers. In fall the leaves change to red, brown and yellow. Indispensable for landscape work. Cat. No. 431B—18 to 30 in., by express, 19c; 25c postpaid.

## SHRUBS

(Continued)

READ WHAT OUR CUSTOMERS SAY, THEN SEND IN YOUR ORDER

Galloway Bros.-Bowman Co.,

Dear Sirs—I received the shrubs and they are fine. Many thanks for such nice ones.

Mrs. W. B. Creer,  
Mountain Grove, Mo.

## Extraordinary Bargain

- 1 Hydrangea ..... 32c
- 1 Barberry Vulgaris ..... 27c
- 1 Barberry Purpurea ..... 28c

Our catalog postpaid price..... 87c

**ALL 3 FOR 55c**

We will send one each of these three plants postpaid for 55c. Include this with your order. Cat. No. 417C.

Galloway Bros.-Bowman Company,  
Waterloo, Ia.

Gentlemen:—

The Nursery stock and shrubbery which I purchased of you this spring, is doing fine.

E. Kunz,  
R. No. 1, Hartland, Me.

Galloway Bros.-Bowman Co.,  
Waterloo, Ia.

May 8th, 1913.

Gentlemen:—

I received my lilac bush in fine shape and I am certainly well pleased with it. It has very strong roots and I think I can make it grow.

Mrs. Homer Wilson,  
Antioch, Nebr.



## SHRUBS

(Continued)

### Everybody's Bargain

**3** 1-Bridalwreath  
1-Honeysuckle Vine  
1-Golden Elder **55c**

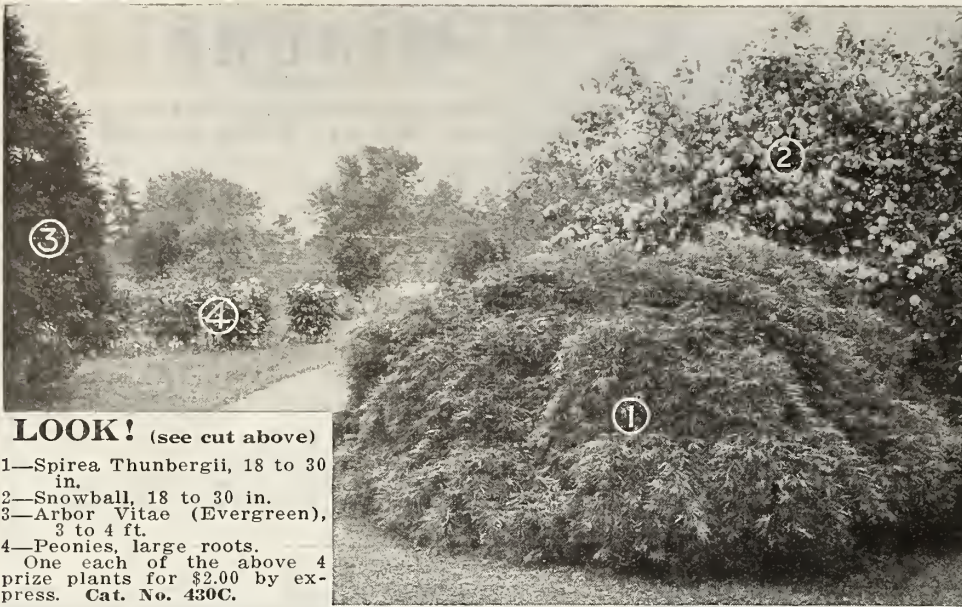
Don't forget to include this in your order.

Cat. No. 436C.

### A Unique Shrub

**SYMPHORICARPUS. Vulgaris Variegata (Variegated Coral Berry)**—A new and pleasing variety of Coral Berry with variegated leaves. Does well in shady places as well as sunny locations and has given universal satisfaction. We have but a limited supply of these new plants and will send you one for 50c or three for \$1.00, postpaid.

Cat. No. 444C.



### LOOK! (see cut above)

- 1—Spirea Thunbergii, 18 to 30 in.
  - 2—Snowball, 18 to 30 in.
  - 3—Arbor Vitae (Evergreen), 3 to 4 ft.
  - 4—Peonies, large roots.
- One each of the above 4 prize plants for \$2.00 by express. Cat. No. 430C.

**SNOWBALL COMMON (Viburnum Sterilis)**—The well known common variety. Flowers round and white, followed by red berries in the fall. See cut above. Be sure and get one of these.

Cat. No. 430B—18 to 30 in., by express, 24c; 30c postpaid.

**SNOWBALL JAPANESE (Viburnum Plicatum)**—One of the choicest shrubs with much to recommend it and no objectionable features. Its balls of pure white flowers are borne in great profusion.

Cat. No. 430C—By express, 26c; 32c postpaid.

**SPIREA ANTHONY WATERER (Spirea Bumalda Var.)**—The very best of the dwarf spireas. Blooms nearly all summer, flowers bright crimson. Good for edging to border beds.

Cat. No. 435B—18 to 30 in., by express, 22c; 28c postpaid.

**SPIREA THUMBERGH**—Dwarf, narrow leaves, variety, flowers white, leaves turn a copper tint in autumn. Very good.

Cat. No. 434B—12 to 18 in., by express, 21c; 27c postpaid.

**SILVER THORN (Eleagnus Longipilus)**—Silvery leaves, profusion of scarlet berries in July. Its color makes it invaluable in landscapes. Is coming into great popularity.

Cat. No. 439B—15 to 30 in., 23c each, by express; 29c postpaid.

**TAMARISK (Tamarix Indica)**—Fine feathery foliage, flowers large and pink; will give universal satisfaction. Continues blooming all season.

Cat. No. 440B—18 to 30 in., 23c each, by express; 29c postpaid.

**WEIGELIA ROSEA (Diervilla)**—The best of its family. Vigorous and tall growing; profuse bloomer. Flowers deep pink.

Cat. No. 441B—18 to 30 in., 24c each, by express; 29c postpaid.

**WEIGELIA EVA RATHKA (Diervilla)**—The best blooming red variety. Blooms nearly all summer. Do not fail to order one of these.

Cat. No. 442B—18 to 30 in., 26c, by express; 32c postpaid.

**SPIREA BILLARDII**—A fine variety of the Spirea family. Flowers borne in long clusters.

Cat. No. 436B—18 to 30 in., 24c each, by express; 31c postpaid.

**SPIREA REEVESII**—Clusters of pure white flowers. A medium grower and very popular.

Cat. No. 437B—18 to 30 in., 23c each, by express; 30c postpaid.

**WAYFARING TREE (Viburnum Lantana)**—Grows 10 to 15 feet high. White flower, clusters, followed by red fruit. Desirable for dry places and limestone soils.

Cat. No. 443B—15 to 30 in., 21c, by express; 27c postpaid.

**WHITE SNOWBERRY (Symphoricarpus Alba)**—Their showy, pure white berries make these small shrubs popular for planting in masses. Ten of these on your grounds will help wonderfully to brighten up the dreary days of late fall.

Cat. No. 444B—18 to 30 in., 20c, by express; 26c postpaid.

### EVERYBODY

Likes Our Nursery Goods  
READ THIS

Wauwatosa, Wis.  
Galloway Bros.-Bowman Co.,

Dear Sirs:—

Received the plants you shipped in good condition. They arrived here the next day after you sent them, judging by date stamped on package. We immediately set them out and I hope they will all grow. I wish to thank you for your kindness and promptness, and am fully satisfied.

Mrs. Milton B. Potter,  
505 Wauwatosa Ave.



A Hedge of Bridal Wreath

### BIG SHRUB BARGAIN

**10** Your choice of 10 of any **\$2.20**  
of the above Shrubs for

**ORDER THIS NOW**

Cat. No. 444C

### AWE-INSPIRINGLY BEAUTIFUL

We could never describe what a hedge of Bridalwreath looks like, when in full bloom. You must see for yourself to fully appreciate. Get some of our plants at the following low prices and grow one for yourself. Set 21 inches apart for a good hedge. Plants, 18 to 30 inches high, \$1.75 per doz., 50 for \$6.00; \$10.75 per 100, by express. Cat. No. 432C.

Lamonia, Ore.

Galloway Bros.-Bowman Co.,  
Waterloo, Ia.

Dear Sirs:

Enclosed find \$1.50 for shrubbery. The goods came in fine shape and I am well pleased.

Yours very truly,  
J. L. Breeding.





Pure Genuine and Unadulterated Seeds that Grow



## LADIES' PAGE

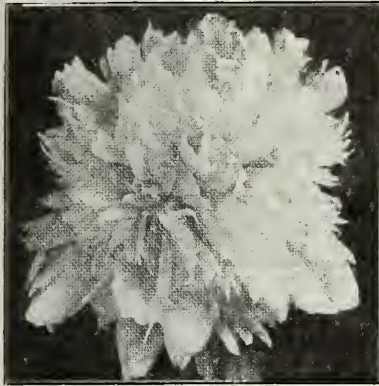
Here is the woman's page. Here are the plants a woman will love. They will provide cut flowers through the entire summer and are hardy and will increase year after year.

### WHAT IT TAKES TO MAKE A GARDEN

A few of these plants, a little plot of ground, a little planning, a little "fussing," a little money and a little work.

### PERENNIAL PLANTS Old Fashioned Hardy Phlox

No perennial blooms quite as long, has such a varied range of color, or will give more satisfaction than will hardy phlox. They will bloom the entire summer until frost, and are fine for cut flowers. They will increase in size each year and the varieties we are offering below are the best of their colors.



Our Double White Peony

BE SURE TO INCLUDE THESE IN YOUR ORDER

PHLOX (White). Early flowering and the best pure white.

Cat. No. 462B—25c each, postpaid.



Phlox

PHLOX (Pink). The best pink with immense flowers. Cat. No. 462C—25c each, postpaid.

PHLOX (Deep Crimson). A wonderful colored bloom. Cat. No. 462D—25c each, postpaid.

**SPECIAL:** Cat. No. 462E—We offer one each of the above for 65c, postpaid; 6 for \$1.15; 12 for \$2.10, postpaid.



Yucca Rose Dorothy Perkins Rosa Rugosa

### EXTRAORDINARY BARGAIN

Here are three flowers that everyone should have. The Yucca, with the largest flower of any known plant. Dorothy Perkins, the best pink climbing roses known. Rosa Rugosa, a large moss rose with beautiful foliage. Cat. No. 457C—ONE OF EACH FOR 60c, POSTPAID.

## Old Fashioned Flowers

**BLEEDING HEART** (*Dicentra Spectabilis*)—Well known old plant. Does well everywhere.

Cat. No. 455B—Field grown clumps, 23c each, or 5 for \$1.00, postpaid.

**DELPHINIUM FORMOSUM**—Fine, medium height perennial, dark blue flowers on long stems, fine for cutting.

Cat. No. 456B—Field grown clumps, 20c each, or 6 for \$1.00, postpaid.

**SHASTA DAISY** (*Chrysanthemum Leucanthemum*)—Flowers of the purest white, often 4 inches in diameter. Perfectly hardy. Blooms from June to September.

Cat. No. 457B—Field grown clumps, 20c each, or 6 for \$1.00, postpaid.

**HARDY SWEET WILLIAM** (*Dianthus Barbatus*)—A fine old plant, producing flowers in large clusters. Fine for cutting.

Cat. No. 702B—Field grown clumps, 20c each, or 6 for \$1.00, postpaid.

**MALLOWS** (*Hibiscus*)—A very showy and satisfactory plant. Thrive in any garden soil. Tall, large flowers, blooms in July.

Cat. No. 458B—Field grown, 20c, postpaid; 6 for \$1.25, postpaid; 15c each, by express.

**HARDY GRASSES** (*Eulalia*)—Fine for ornamental purposes. Can be used for hedges or screens. Grows 6 feet tall.

Cat. No. 459B—Field grown clumps, 25c each, or 5 for \$1.00, postpaid.

**HOLLYHOCKS, DOUBLE**—These old favorites are indispensable in every garden. We have either white, pink or red in the double sorts.

Cat. No. 460B—Large field grown roots, 20c, postpaid; 6 for \$1.15, postpaid; 15c each, by express.

**SPECIAL OFFER**

Cat. No. 460C—The above 7 choice perennial plants for \$1.35, postpaid.

## PEONIES

The largest, most showy, best blooming and hardiest perennial. We know of nothing that you could buy that will give anything like the same returns in profusion of bloom, beautiful foliage and general satisfaction as a bed of peonies. To get the best results, plant in masses of about one dozen clumps.

**PEONY, FIRST PRIZE** (White). The largest and best blooming double white peony in cultivation.

**PEONY, FIRST PRIZE** (Pink). Best of all the double pinks.

**PEONY, FIRST PRIZE** (Red). A wonder of foliage and blossom.

**CONVERT YOUR YARD INTO A PARADISE OF BLOOM BY GETTING A DOZEN OF THESE CHOICE PLANTS.**

### SPECIAL LOW PRICES

Cat. No. 461B—Strong field grown roots, 30c each, by express; 38c postpaid. One of each color for 75c, by express; \$1.00, postpaid; 6 for \$1.25, 12 for \$2.25, by express.

## FERNS

A well known and satisfactory plant for around the house foundation or any shady place where it is next to impossible to grow anything. We have a selected variety of these beautiful plants with large crown and roots, which we will send you for 28c each; 6 for \$1.40, or 12 for \$2.60, postpaid; 20c each, by express. Cat. No. 456C.

## YUCCA FILAMENTOSA

(See cut on this page.)

A strikingly beautiful plant with palm like foliage and a mammoth pure white flower, which grows on a strong spike, often 6 feet high. One of the very best plants for cemetery purposes. 38c each by express; 46c, postpaid, 6 for \$2.50, postpaid. 3 year plants. Cat. No. 458C.



A Bed of Peonies



# TREES Ornamentals



Norway Maple

A noted man once said that if he knew he were to die to-morrow, he would plant a tree to-day. There is nothing that will give you quite as much pleasure and satisfaction in the years to come as to see a good strong maple or other tree of your own planting.

Our list of trees consists of only the best varieties of their class, and our prices are so low that they are within the reach of everybody.

Galloway Bros.-Bowman Co.,  
Waterloo, Ia.

Gentlemen:  
I want to say for your trees, that they are very nice looking specimens.

Mrs. J. F. Hohnbaum,  
Ayer, Colo.

### TREE COLLECTION

- 1—Silver Maple. 6 to 8 ft.
- 1—Tulip Tree . . 4 to 5 ft. **96c**
- 1—American Elm 8 to 10 ft.

Three wonderful trees that will do well in nearly all locations. Order this bargain now. Cat. No. 463C.

**ASH (Fraxinus)**—Quick growing, make handsome, symmetrical specimens, good for lawn planting. Leaves turn a brilliant yellow in fall.

Cat. No. 463B—5 to 7 ft., 50c each; 3 for \$1.35.

**BIRCH WHITE (Betula Alba)**—A quick growing tree that, after a few years, develops the beautiful white bark so familiar in landscapes.

Cat. No. 464B—6 to 8 ft., 75 each; 3 for \$2.00.

**BIRCH, WEeping CUT-LEAVED (Betula Lacinata Pendula)**—Tree acquires graceful drooping habit at a very early age. Leaves are deeply cut. A very popular tree.

Cat. No. 465B—6 to 8 ft., \$1.50 each; 3 for \$3.85.

**CATALPAS, WESTERN (Catalpa Speciosa)**—Ornamental especially in June when laden with a profusion of white flowers; good for lawn or street planting.

Cat. No. 466B—6 to 8 ft., 55c each; 3 for \$1.50.

**ELM, AMERICAN (Ulmus Americana)**—A familiar tree, grows well in any section. Grows fast and its gracefulness makes it invaluable for landscape work.

Cat. No. 467B—8 to 10 ft., 55 each; 3 for \$1.50.

**HORSE CHESTNUT (Aesculus Hippocastanum)**—Good for ornamental or shade tree. Blooms freely in May. Striking deep green foliage.

Cat. No. 468B—3 to 4 ft., 75c each; 3 for \$2.00.

**MAPLE NORWAY (Acer Platanoides)**—One of the best hard maples. Strong and vigorous, forming a round head. Good for shade. Cat. No. 469B—6 to 8 ft., \$1.00 each; 3 for \$2.70.

**MAPLE SILVER (Acer Dasycarpum)**—A most reliable grower in all sections. Matures very rapidly. The silver under surface of the leaves is very beautiful.

Cat. No. 470B—55c each; 3 for \$1.55.

**OAK SCARLET (Quercus Coccinea)**—Unsurpassed for lawn. Tree has a characteristic habit of growth. Leaves striking, turning to an orange scarlet in the fall.

Cat. No. 471B—3 to 4 ft., 75c each; 3 for \$2.00.

**POPLAR LOMBARDY (Populus Fastigiata)**—A tall tree, good because of its columnar habit of growth, which makes it contrast with the usual spreading tree. Valuable for landscape work.

Cat. No. 471C—8 to 10 ft., 50c each; 3 for \$1.40.

**TULIP TREE (Liriodendron Tulipifera)**—Belongs to the family of poplars. It flowers freely in June. A good tree any place.

Cat. No. 472B—4 to 5 ft., 45c each; 3 for \$1.30.

**WILLOW, WEeping (Salix Babylonica)**—This is the well known tree whose long pendulous branches droop gracefully. An admirable lawn tree. Grows well in all locations. For landscape work it is unexcelled.

Cat. No. 473B—8 to 10 ft., \$1.00 each; 3 for \$2.80.

## Timber Trees

Say Mr. Farmer! Why don't you plant that acre of slough or ravine land to Catalpa trees? Here's just the thing for that piece of ground you did not know what to do with. To figure conservatively, you can clean up around \$3000 in 15 years or about \$200 per year. Think this over and then send your order.

**CATALPA SPECIOSA**—Rapid growing tree of high timber value. Grows 1 inch in thickness each year. More durable than many of the hard woods. Profits have been realized as early as 5 years after planting.

Cat. No. 475B—18 to 24 in., \$1.50 per 50; \$2.75 per 100; \$14 per 1,000.

**LOCUST**—One of the hardest and most durable of woods.

Cat. No. 476B—18 to 24 in., \$2.75 per 100; \$14 per 1,000.

**BLACK WALNUT**—The highest priced wood you can grow. Reaches marketable size in 10 or 15 years.

Cat. No. 477B—12 to 18 in., \$5.00 per 100; \$28 per 1,000.

**MULBERRY**—An ever-increasing popular choice. Well known.

Cat. No. 478B—12 to 18 in., \$3.00 per 100; \$15 per 1,000.

**AUSTRIAN PINE**—Perfectly hardy and thrives in high bleak hills or most any locality. Fast growing. Fine for planting among your timber belt or wind break.

Cat. No. 480B—1 to 2 ft., 20c each; \$18 per 100.



Grow Them Straight and Clean



# EVERGREENS

## A Word About Them

There is no plant I like better than an evergreen. Nothing can take their place, especially during the winter months when everything is bleak and dreary.

Now a few years ago I purchased quite a few evergreens for myself and naturally I bought them where I could get them for the least money. A great many of them died, but I did not know the reason, until I went into the Nursery business for myself, and I want to share the information I then acquired with all my customers and friends.

I found I could buy common evergreens for one half the price of transplanted evergreens. On looking into the matter I found that good Nursery evergreens are transplanted several times in order to promote the growth of many small roots, which are necessary to the growing of evergreens after the customer receives them, and which transplanted evergreens do not have.

Needless to say I decided to sell nothing but the transplanted kind, and I want everybody to order one or two at least of these extra fine sorts, which I guarantee are everything that a good Nursery evergreen should be.

*Wm Galloway*



Balsam Fir



Austrian Pine

Cat. No. 906B—transplanted 2-ft. plants, 45c each; 4 for \$1.25.

**AMERICAN ARBOR VITAE (Thuja).** A strong vigorous grower in almost any soil and hardy anywhere in the United States. It is a slender tree of upright growth with soft dark green, flat foliage.

Cat. No. 900B—Fine specimens 3 to 4 ft., 60c each, by express; 3 for \$1.50.

**PYRAMIDAL ARBOR VITAE (Thuja Pyramidalis).** Its slender columns of dark green is very ornamental as a lawn tree, or for back-grounds. Grows pyramidal shaped.

Cat. No. 901B—Transplanted 2 to 3 ft., \$1.05 by express.

**BALSAM FIR (Abies Balsamea).** An ornamental native evergreen that is very hardy. Has dark green needles of pleasant fragrance. Grows rapidly when young and does well in moist soils. (See Cut.)

Cat. No. 902B—Transplanted 2-ft. plants, 45c each; 3 for \$1.25 by express.

**AUSTRIAN PINE (Pinus Austriaca).** Tall massive tree with spreading branches. The best pine for lawn purposes.

Cat. No. 903B—Transplanted 2 to 3 ft. plants, 60c each; 3 for \$1.50 by express.

**KOSTER'S BLUE SPRUCE (Picea Pungens Glauca).** (See Cut.) This is without doubt the most beautiful of the evergreen family. The rich silvery blue coloring is a rare bestowal of nature. It will withstand the coldest climate and is a vigorous grower. For color effect nothing equals this great variety.

Cat. No. 904B—Transplanted 2 to 3 ft. plants, \$3.00 each; 3 for \$8.00 by express.

**NORWAY SPRUCE (Picea Excelsa).** This variety embraces more desirable features than any of the other varieties. It is rapid growing, withstands any climate and does well in any soil.

Cat. No. 905B—Transplanted 2 ft. plants, 60c each; 3 for \$1.50 by express.

**WHITE SPRUCE (Picea Alba).** A variety which is very similar to the Norway Spruce excepting the color, which is a grayish blue. Good for either hedges or separate planting.



Koster's Blue Spruce

## Two Special Offers

- |                                       |                                      |
|---------------------------------------|--------------------------------------|
| 1 Koster's Blue Spruce.....2 to 3 ft. | 1 Balsam Fir.....2 ft.               |
| 1 Pyramidal Arbor Vitae....2 to 3 ft. | 1 Norway Spruce.....2 ft.            |
| 1 Balsam Fir.....2 ft.                | 1 American Arbor Vitae....3 to 4 ft. |
| 3 plants for \$4.50—Cat. No. 907B.    | 1 Austrian Pine.....2 to 3 ft.       |
|                                       | 4 Plants for \$2.20—Cat. No. 908B.   |

## Wonderful New Evergreen Shrub

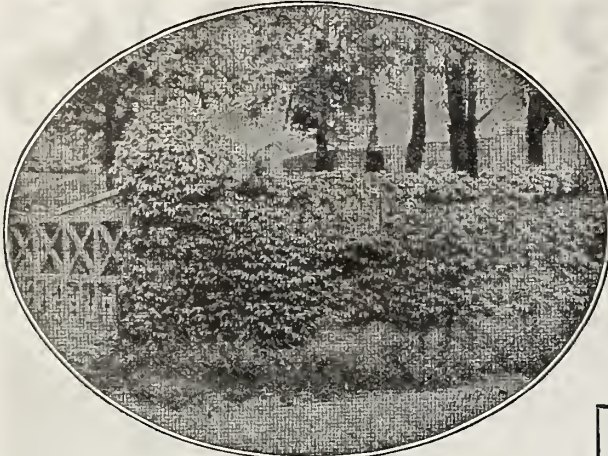
**Mahonia Aquifolia.**

The richness of the glossy, holly-like leaves gives the Mahonia great popularity for ornamental planting. Yellow flowers in May followed by blue berries for winter decoration. Its upper leaves are a bronze color in winter. This beautiful plant deserves a place about every house.

Cat. No. 909B—12 to 18 inches, 38c each; 6 for \$2.00 by express.



# Climbing Plants



Wisteria Chinensis

**WISTERIA CHINENSIS**—Vigorous tall growing. Beautiful violet flowers in long clusters. Very effective.

Cat. No. 486B—3 yr old, 46c, postpaid; 40c each by express.

**HALL'S JAPAN EVERGREEN HONEYSUCKLE**—Most popular and valuable of all. Blooms all summer. Beautiful white flowers, very fragrant.

Cat. No. 484B—2 yr. old plants, 38c postpaid; 30c each by express.

**BOSTON IVY** (*Ampelopsis Veitchii*)—The most popular vine for covering buildings and walls; grows everywhere. Handsome, hardy and a rapid grower. Stands the northern winters.

Cat. No. 485B—2 yr. old field grown, 41c, postpaid; 35c each by express.

Cat. No. 483C—SPECIAL—One each of the above three vines for \$1.25, postpaid.



Clematis Jackmanii



Boston Ivy

## Extraordinary Vine Bargain

4 { 1 Kudzu Vine  
1 Evergreen Hall's Honeysuckle  
1 Clematis Paniculata  
1 Boston Ivy } **95c**

Cat. No. 482C—Postpaid.



AN ARBOR VITAE HEDGE

## NUT TREES

The past few years has witnessed a remarkable development in the planting and cultivating of nut bearing trees in this country.

Almost every farm contains at least a small area that should be planted to nut trees, that are adapted to the soil, as in many cases they pay better than farm crops, and and at the same time the trees are growing into valuable timber.

**AMERICAN SWEET CHESTNUT**—A valuable native tree. Timber very useful. Nuts are sweet, delicately flavored, valuable items of commerce.

Cat No. 800B—3 to 4 ft., 45c each; 10 for \$4.00; \$30.00 per 100. By express, collect.

Cat. NO. 804B—SPECIAL OFFER—Two each of the above four varieties for \$2.50.

**ENGLISH FILBERTS** (Hazelnuts)—Most hardy and always very satisfactory. The nuts are nearly round, rich flavored and toothsome.

Cat. No. 801B—18 to 24 in., 36c each; \$24.00 per 100. By express, collect.

**ENGLISH WALNUTS**—Hard shell, trees very showy. Kernels of the nuts are large, plump and sweet. Hardy as far north as Iowa.

Cat. No. 802B—12 to 18 in., 35c each; 10 for \$3.00; \$24.00 per 100. By express, collect.

**PECANS**—This species of the hickory may well rank first among our native nuts in value and cultural importance. The trees grow fast and bear well, producing large crops of thin shelled nuts that are fullkerneled and delicately flavored. Grown from select seed.

Cat. No. 803B—2 to 3 ft., 45c each; 10 for \$4.00; \$30.00 per 100. By express, collect.



AMERICAN CHESTNUT

## HEDGE PLANTS

In later years the hedge idea has become very popular in the United States, and for good hardy hedges about the grounds we consider the following varieties the very best:

**BARBERRY** (*Berberis Thunbergii*)—Very graceful, dwarf foliage, turns to red in autumn. Set 14 inches apart in rows.  
Cat. No. 487B—12 to 15 in., 18c each; 10 for \$1.75; \$15.00 per 100. By express, collect.

**ARBOR VITAE** (Evergreen)—Can be grown to any height. Can also be used as windbreak. Set 24 inches apart in rows.  
Cat. No. 488B—2 to 3 ft., 45c each; 10 for \$4.00; \$37.00 per 100. By express, collect.

**BRIDALWREATH** (*Spiraea Van Houttei*)—One of the best flowering hedges. Set 18 inches apart in rows.  
Cat. No. 489B—1 to 2 ft., 20c each; \$16.00 per 100.

**AMOR PRIVET**—An extraordinary hardy hedge shrub. Retains its color remarkably well in winter and can be trimmed from 1 1/2 to 2 1/2 ft. high. Set about 14 inches apart in rows.  
Cat. No. 487C—12 to 18 in., 12c each; 10 for \$1.10; \$10.00 per 100. By express, collect.

Everybody likes our Nursery Stock

READ THIS!

Galloway Bros.-Bowman Co.,  
Waterloo, Ia.

Paola, Kans.

Gentlemen:—

The plants received. They are fine plants and came in good condition.  
J. M. MANNON.



WM. GALLOWAY'S FARM

## How to Enhance the Value of Your Farm

You can increase the value of your farm from \$25 to \$100 per acre, to be conservative, if you make up your mind to landscape the grounds.

The above picture is from a photograph of a farm that I bought four years ago, which was considered one of the worst run down farms in Black Hawk County. The premises were an ugly sight to behold. Everything was tumbling down and out of order. Where you see these nice improvements now it was a back yard, full of corn stalks, tall weeds, burdocks, tin cans and everything else you could think of.

The first thing I did after I bought the place was to plan how to lay it out, plan how to make all parts of the grounds accessible without having to drive over grass or yard. I first laid out drives, moved the old house and barn away, set the house back from the road, utilized every tree that I could, planted shrubbery and all kinds of flowering shrubs in the foreground in their proper place. The result was that when I sold this farm last fall it brought \$500 an acre.

Every farmer should landscape his grounds. There is nothing in the world that will add to the value of a farm like grounds properly landscaped. The average individual gets the wrong idea about how to beautify grounds and many times is mistaken by planting tree in front of the house and not leaving open spaces. Trees should be kept in the background, or to one side, and in this way you get the beautiful effect.

Wm. Galloway

**There is Money and Pleasure on this Page—Read it**  
Our Landscape Department Has a Great Deal of Valuable Information for You

**It's Free** TO EVERYBODY WANTING FACTS ABOUT  
HOW TO BEAUTIFY THE HOME GROUNDS

**Read Galloway Bros. Bowman Co.'s Free Landscape Offer**

Let us tell you how to beautify your grounds. We have organized this department of our nursery in order to give to our customers, free of charge, complete information how to arrange their grounds artistically, what to plant and where to plant it to get the best results.

More attention is being paid, every year, to the proper beautifying of the grounds surrounding the home, and people are becoming keenly alive to the fact that as much thought and attention should be paid to the grounds as to the house itself.

A good picture can be spoiled by a bad frame, and, on the other hand, a bad picture can be wonderfully improved by a tasty frame. In the same way a home, inartistic in itself, may be made a thing of beauty, with a little extra attention in the beautifying of the surrounding grounds.

Landscape Gardening, under our plan, is not a luxury, but a paying proposition in the increased valuation of your home. It is not a piece of work that will take a great deal of trouble in looking after, as it is a proven fact that a lawn takes more attention than the same number of square feet of hardy plantings.

Read below what one of our satisfied customers says about our Landscape advice. We will be glad to do the same for you. **This is our proposition:** You will find a loose leaf in this catalogue with instructions, on which you can draw up a rough sketch of your grounds. On the other side, you will find a set of questions which it will be necessary for you to answer in order for us

to draw up a Landscape Plan correctly. Remit \$1.00 with the Plan, for which we will at once send you a coupon, good for \$1.00 on your first order of trees and shrubs for \$5.00 or over. We do this in order to protect ourselves against people who have no intention of using these plans, and it is not a scheme by which we are getting paid for these plans, as many of them cost us more than \$1.00 in having our Landscape Gardeners draw them up.

It is a settled fact that the Landscape men can create more beauty with an expenditure of \$5.00 than a man untrained in this line can with \$50.00. If you value the outside appearance of your home, these plans would be worth \$50.00 to you, as they would show you the best and most reasonable way of improving your grounds, which you could carry out any time you see fit.

Hamilton, Mo., Oct. 17, 1912.

Galloway Bros. Bowman Co., Waterloo, Iowa.

Gentlemen: The greater part of our shrubbery has been doing fine and has been a constant delight to us all summer.

I only lost three of the 100 Baby Rambler Roses you sent me, and you sent enough extra to make that up. Everybody admires our grounds very much, and we may sell our house this winter. If we do you will have another call from us to lay out our home grounds again.  
Mrs. Will F. Hooker.



# PICTURES SPEAK LOUDER THAN WORDS



## \$1,000

would not equal the value added to the home in these two pictures, because of the trees and plantings.

Since the original cost of the trees and shrubs are so low, it is within the reach of every property holder.

The only difficulty experienced by most people is the fact that they do not know what to plant and where to plant it.

Our Landscape Department is at your service free of charge and will give you gladly all the information you desire on this vital subject.



## READ THIS

South English, Ia.,

April 4th, 1913.

Galloway Bros.-Bowman Co.

Dear Sirs: We wish to thank you for the excellent plan submitted for our grounds. It will be of great help and will clear up the situation.

Very truly yours,

Mr. W. F. Heald.

Herewith attached find my order for shrubs, which I have selected from the Landscape design submitted by your expert. Have not ordered all this year, but intend to get remainder next spring.

The design sent me was accurately drawn to scale and dependable. I shall reserve it to follow when I order the balance. Hope you will select good stock. Please ship between first and 15th of April.

Emmett T. Harris,  
Carbondale, Ill.

I have yours of the 19th and again wish to state that the plan received from you is all that we could desire. I may want to make a few changes, but I am afraid it will be too late to do anything with it this spring, as owing to the labor troubles here I have not commenced operations, and possibly will not until fall.

What I would like to know is this: Can this shrubbery be planted any time? Or should we wait until later? I have to have some grading done and at this time I cannot tell when that will be finished, as today they work and tomorrow they don't.

Harry J. Anderson.

## GENERAL INFORMATION FOR NURSERY DEPARTMENT

### Order Blank

In making up your order, please use loose order blank you will find between these pages. This will facilitate the handling of your order here.

### Order Early

To get the very best service, orders should come in early, as we naturally must give our first orders the first attention. The best possible service is given all orders.

### How We Ship

We ship as per your instructions on order blank, or if left to us we will ship the most practical, reasonable way. There is a special 20% discount given by all express companies which we will secure for our customers. All orders received are sent by express or freight at customer's expense from our nurseries in Ohio, unless you pay the postpaid prices quoted in catalog. Parcel post rate is 1c for each 2 oz. Regular parcel post rates do not apply to seeds, plants, bulbs or nursery stock.

### Terms

Our terms are cash with order. Prices include packing but not shipping charges.

### When We Ship

We will ship at any time if date is left to us will be shipped at the best time for planting in your locality.

### Guarantee

Any shortage must be reported to us at once. We absolutely agree to furnish nothing but the very best; no second or third grade stock. We guarantee it to reach you in good condition. Your order will be shipped to you from our nurseries in Ohio, and a certificate will accompany each order, showing that all our stock is free from disease of all kinds and have passed the inspection of the horticulturists of that state.

### Kind of Stock We

**Sell** Our stock is all transplanted, hardy and thrifty, and the same class of stock usually catalogued at much higher prices. They are just the size that will thrive best after planting, and while we could offer you larger stock at a higher price, we know that our size will do better for you than this extra large kind, which always dies back a great deal more than the medium sized plants. We are certain that we will please you, if you send in your order for our quality stock.

### Read This Honest Statement

The admission of one of the most extensive growers of nursery stock in America. Also substantiated by the United States agricultural reports.

The variety end of the nursery business has been overworked. The real good, new varieties of roses, trees, or shrubs that are coming in, are a scarce article. Take for instance, in the fruit tree line, new varieties of apples are constantly being advertised, but from the agricultural reports we hear that there are at present 500 varieties of apples on the market and 13 varieties will cover the entire range. It's a fact.

The apple tree is not the only thing. Every department of the nursery business is the same today.

Out of the thousand and some varieties of roses, don't you believe that there are some that bear such a close resemblance that an expert's eye and a magnifying glass could not tell the difference?

### Here's What We Do

We have chosen the cream of the lot. Our aim is not to confuse you with a long list of varieties but we advertise only the best at the right price.

If you are in need of anything which we have not listed, send in your order anyhow. Very likely we can fill it with the surplus varieties we have on hand. But you absolutely cannot miss getting something good by choosing anything in the following lists.

### Read Our Idea of Selling Nursery Stock

Did you ever stop to think what you pay for when you buy from a tree agent? Here's a plain statement of facts that may open your eyes. Every time you make such a buy you are paying an agent's expenses.

Our catalogue is our salesman. It is always with you. It is clear and logical. It tells about our goods better than a salesman could and costs us 1-50th as much. But we do not save this difference for ourselves. We divide it with you. As with our seed line we believe in selecting the best varieties, prices are low, stock hardy and fresh; handling those only, and we will send you what we advertise, or refund your money, and pay freight both ways. We absolutely employ no agents. An agent's proposition to you is verbal, while ours is down in black and white and the laws of the U. S. compel us to live up to them.



Note the Strong Root Growth of Our Plants.

# This Offer Is Absolutely Free!

It Is of Special Value to Every Farmer and Property Owner

## It Is Worth Money to You

**W**E want to show you, free of charge, how you can beautify your homes—make them worth 100 % more than it costs you.

Do you realize that the appearance of the grounds immediately surrounding your premises has a great deal to do with the selling value of your house or farm on which it stands?

The well appearance of your home grounds means, therefore, money to you in the increased valuation of your home, besides it is a pleasure to every home owner to *own beautiful grounds*.

Trouble to take care of? Well I should say not. We can select such a planting for you as will give you less trouble than the trees about your place, and such as will grow and become more beautiful each year, and will give you a mass of flowers from spring till fall. In other words,

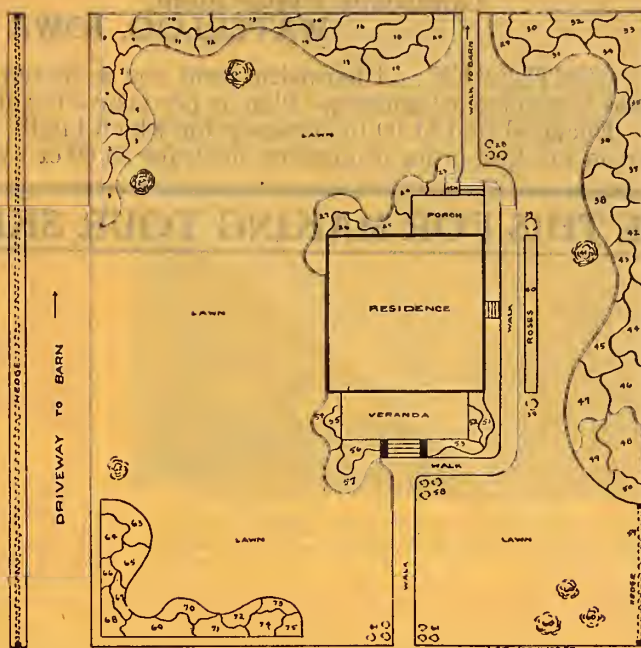
### LANDSCAPE YOUR PREMISES

The trouble with most of us is, we will buy a shrub here and a tree there and at the end of 5 or 10 years our place is just the ordinary one that we see everywhere. We wind up where we started. Instead of this, why not have a definite scheme or plan drawn up, which will make your place a distinctive one, and one out of the ordinary.

### LET US DRAW UP A LANDSCAPE DESIGN FOR YOU

We are confident that we have a Landscape Organization that cannot be beat in America. Our head Landscape Architect will give to each plan his personal attention. If you value the appearance of your home, we are sure that these plans would be worth \$50 to you.

However, here's the point. We are forced to protect ourselves against merely curious persons who have no desire to use these plans. For that reason we ask you to remit to us \$1.00 with your sketch on the other side, and in return we will send you a coupon good for \$1.00 on your first order of \$5 for nursery



A Reduced Sketch as We Send Them Out.

Specifications telling what the numbers signify accompany each plan.

stock. We wish to say that this is not a scheme to get pay for these plans, as many of them cost us more than a dollar to have drawn up. We are simply making you this proposition because we, in our nursery, follow the time-honored Galloway custom of giving the most quality stock for the money. Anyway, we can say by our own experience that if you should wish to get the same advice through the regular Landscape channels it would cost you a good round sum.

People wanting plans should send in at once during the winter, because after April 1st our Landscape Department will be crowded with work, so we feel we can give you the best service in the early winter months.

We also Plan and Plant large Public and Private Grounds of all kinds.

The arrangement here shown applies to ground of ordinary size, and not large grounds, where a lot of work is involved. We are prepared to do this class of work at a very moderate price and solicit correspondence from people desiring such work.

### Hints Are Very Helpful to Us in Preparing a Plan That Will Be Suitable to Your Grounds. Therefore We Ask You to Answer the Following Questions:

- |  |   |
|--|---|
| Do you like natural gardening? _____                     | Do you want a rose bed? _____                                   |
| Or do you like straight lines or formal gardening? _____ | Would you like a hedge? Show where. _____                       |
| Maybe you would like us to use our own judgment? _____   | Shall we locate trees for you? _____                            |
| Shall we locate your walks? _____                        | Do you want any fruit trees? _____                              |
| If you want a drive, show where you prefer it. _____     | What particular kinds of trees do you want? _____               |
| Do you care for any tender plants? _____                 | Do you like Evergreen Trees? _____                              |
| Would you like all hardy plants? _____                   | Is there a limited amount you want to spend on this work? _____ |

(The last question is a very important one, because many people have large lawns, yet do not care to spend any great amount on them.)

**GALLOWAY BROS.-BOWMAN CO.**  
Landscape Department,  
**WATERLOO, IOWA**

GENTLEMEN: I herewith send you a sketch of my grounds, which I want to improve and I will be pleased to receive a Landscape Plan as per your offer on Page \_\_\_\_\_ of your catalogue.

Enclosed find \$1.00 in currency for which kindly send me coupon, which will be accepted by you as one dollar on my first order of nursery stock for \$5.00 or over.

**USE THIS FOR MAKING YOUR SKETCH WHEN SENDING YOUR PLAN**

**IMPORTANT:** Your sketch need not be drawn to scale, but should give all the principal dimensions, such as the size of lot and distance of house from front, size of house and location of all existing walks, drives, trees or any other permanent objects. Also location of all entrances to buildings and the direction of the compass (north, south, east and west). Show where you have good or bad views and show where the lowest and highest points of the lot is. *Do not use ink in drawing up your sketch.*





This is an illustration of how your grounds can be made to look by planting shrubbery of the right kind on the right kind of a plan. Read carefully what we can do for you in the landscape department.



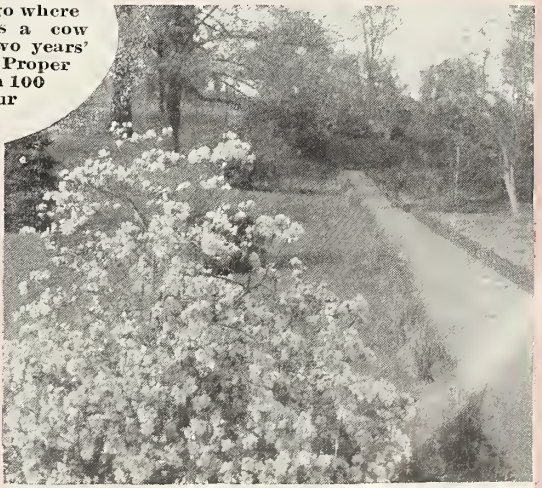
Clump of Azaleas and hard maple trees. Do your grounds look barren and unhome-like? If they do, let us help you beautify your grounds. Our landscape department can help you. Read our plan on page 99.



This is the home of James W. Galloway, Vice President of the Galloway Bros.-Bowman Co. Only three years ago where this house now stands there was a cow pasture. Look at the effect of two years' planting on the proper plans. Proper plans and planting will add from 100 to 500% to the value of your property.



Sample of a hardy planting. Notice the combination of the drive, the grass and the evergreens. Imagine what this place would look like without planting of any kind. This picture tells the story of how we can help you fix up your grounds. Our plans and shrubbery will do the work.



There is nothing prettier than a crushed rock or gravel path with the right kind of a border. With the proper selection of shrubbery you can have bloom from early spring until the last frost in the fall. Notice our prices and our plans for making your grounds beautiful. Why not make your home grounds more beautiful which will make your life more pleasant?

**\$2.00**  
Per  
Acre Can

**DON'T SOW ALFALFA  
DON'T SOW CLOVER  
DON'T SOW LEGUMES**

**\$2.00**  
Per  
Acre Can

**WITHOUT**

# “NITRAGIN”

“Nitragin” is to legume seed what yeast is to bread.

[Legumes are plants that bear their seeds in pods.]

What kind of bread would your wife make without yeast if she had everything else necessary to make it?

It would be flat and heavy.

What is yeast?

Yeast is nothing more or less than bacteria so prepared that when it comes in contact with everything necessary to make bread, makes it raise and produce a nice loaf of dough.

What is “Nitragin”?

“Nitragin” is also bacteria, like yeast, and when properly mixed with alfalfa, clover or other legume seed before planting, brings the free nitrogen from the air into the soil, which makes the plant itself a bigger and healthier plant, besides putting the wonderful plant food nitrogen into the soil and gives fertility in large quantities for the crops that follow.

“Nitragin” inoculated clover, alfalfa, soy beans, vetch, peas, etc., will bring from 150 to 200 pounds per acre of free nitrogen out of the air into the soil, which if you were to buy in a commercial way would cost you from \$22.50 to \$30.

Now this is the whole story in a nutshell.

There is no extra labor for you to use “Nitragin.” It doesn't take over twenty minutes of your time to put it on one or ten bushels of seed, and it takes less knowledge to properly inoculate seed than it does for your wife or the hired girl to bake bread with yeast.

Are you going to take a chance this year, spending your good money for clover, alfalfa, or other legume seeds, and let it lay dead, dormant in the soil because it has not the necessary bacteria or germs to bring the free nitrogen from the air into the soil to give the plant itself a tremendous growth, vitality and vigor to overcome the work of the elements, as well as store fertility for the crops that follow?

Figure out for yourself what it costs in cold dollars and cents to buy clover, alfalfa and other legume seeds, work of preparing the soil, the use of the land, the loss of the crop, etc., for one whole year, just because you did not inoculate with “Nitragin.”

“Nitragin” is put up in one-acre and five-acre cans and sells for only \$2.00 an acre can.

Where can you spend \$2.00 an acre that will bring you a bigger and more permanent profit on the investment?

**Galloway Bros.-Bowman Company**

**PURE SEED SPECIALISTS WATERLOO, IOWA, U. S. A.**

