

# KANSAS FARMER

FOR THE IMPROVEMENT

OF THE FARM AND HOME

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## The Pork Production Special

The high price of meat, the restriction of the ranges and the shortage of all kinds of meat-producing animals has forced upon the farmer a knowledge of the fact that it is to his advantage to grow more live stock. The continuous cropping of land to grain without any considerable rotation has reduced the farms to a condition in which live stock is absolutely necessary for the maintenance of farm fertility. Conditions as they exist today simply demand that the farmer raise more live stock, and when this fact is appreciated the farmer naturally turns to the hog as the one animal best suited to his needs.

The hog is the best money maker on the farm. He is a land enricher and the investment necessary to secure a start in the hog-raising business is so small as to be within reach of all. The hog will produce quicker returns on the investment than any other farm animal, and is justly ranked as the poor man's friend, the rich man's capital and the people's benefactor.

These facts, together with the policy of the State Agricultural College of carrying its benefits to the greatest number of people possible, are sufficient explanation for the Pork Production Special Train which spent all of last week in traveling over the lines of the Rock Island railroad system in Kansas and furnishing lectures and demonstrations to the farmers at selected stopping places. This train was equipped with two audience cars in which the people were seated while listening to the lectures given by the experts from the Agricultural College. The train was in charge of Industrial Commissioner H. M. Cottrell of the Rock Island System, and the institute features were managed by Supt. J. H. Miller of the extension department of the Agricultural College. The experts who addressed the audiences at the several towns were Prof. R. J. Kinzer, head of the animal husbandry department; Prof. G. C. Wheeler of the extension department; and Drs. F. C. Schoenleber and K. W. Stouder of the veterinary department of the Agricultural College. Pres. H. J. Waters was able to be with the train for a brief period, and to give a number of addresses.

The five great markets of the United States show a decrease of 2,500,000 hogs in the first eight months of the present year, as compared with the same period of 1909. This enormous decrease in our meat supply is a matter of serious moment to all the people of the country. While the ravages of disease will serve in small part to explain this condition, the high price of feed and the grain products of the farm is more than enough to account for it. When the farmer can raise a crop of wheat or corn and market it for such prices as he has been able to receive in the last year or two, he does not feel willing to assume the risk of feeding a bunch of hogs with the uncertainties which surround market conditions. This reason was so potent that vast numbers of brood sows and young and immature pigs were rushed to the market and the present shortage is the result. Farmers now feel that they have made a serious

### A School On Wheels For The Hog Raisers and Other Farmers

mistake and are anxiously arranging to get back into the breeding and feeding of hogs again.

The purpose of the lectures on this train was to give these farmers some idea of how best to get into the hog business again, but more especially of how best to succeed in it. Professor Kinzer suggested that one of the very important considerations was the selection of such a type and of such individuals as would insure a quick maturing type of hogs with large litters. As hogs are money makers it follows that, other things being equal, the greater the number of hogs which can be handled profitably, the greater the profits. The professor urged that extremes in types should be avoided. The very large, coarse, slow maturing

type is just as objectionable as is the exceedingly fine, small boned type. He suggested that a happy medium between these should be effected by the use of such breeding animals as would mate well together and would produce large litters of such pigs as will mature to 250 pounds in 8 to 9 months. Have the gilts produce but one litter in their yearling form, and if the sows are good breeders they should be retained as long as they produce strong, healthy litters. Always select brood sows from big litters. Be sure that they are of the proper conformation and have a good maternal appearance. The boars should be just the opposite with strong, masculine character. Animals should be purchased early both on ac-

count of the smaller price and the lower freight rates and should always be selected from large litters of good average rather than take an outstanding animal from a litter of runts. Both the boar and the sows should have plenty of exercise and nothing can be better for them than a free range on alfalfa. The mature sows should always produce two litters per year and should keep this up as long as they live.

Success in hog raising hereafter will depend largely on the decreased cost of production. In this connection alfalfa plays a most important part and should always be fed to brood sows. When fed with corn 1,680 pounds of pork have been produced on one acre of alfalfa. Hogs should not be fed in dry lots without green feed and the biggest gain, which amounted to more than 2½ pounds per day, has been made by feeding a ration composed of corn, alfalfa and tankage.

The comfort of the animal should always be considered. An animal that is not comfortable will not do his best and for this reason cement floors in hog houses, but especially in the farrowing pens, should be avoided. On the other hand, cement feeding floors, either outside or indoors are extremely desirable and sanitary. The best floor for a hog house is a thoroughly compacted earthen floor beneath the surface of which has been tightly stretched some strong poultry netting or woven wire fencing to prevent the hogs from rooting. It is better to use farrowing cots rather than houses for brood sows, but whichever is used a guard rail should be inserted on all sides to protect the pigs. The hog is coated with a thick layer of fat which is a good conductor of heat. For this reason he suffers from extremes of temperature, and provision must be made so that he will not be exposed to any drafts of cold air or other exposures to extremes of weather, either hot or cold. Bedding is worth more to the hog than to any other farm animal.

Dr. Stouder gave some excellent advice as to the care of the health of the animals. He called attention to the fact that the hog has been bred for a great many years for the sole purpose of producing pork, and that very little attention had been given to his vitality or the development of those organs which contribute toward it. Pens and breeding cots should be kept clean, dry and well ventilated but without any drafts of cold air. Sunshine is the best known disinfectant, and all pens should be so located as to have this in plenty. The hog is an aristocrat and not the filthy animal which is so often portrayed. His natural disposition is to be cleanly in his habits and he will very gladly take a bath if opportunity is offered. A cement bath tub of moderate depth may be provided and filled with a suitable dip. This will afford the hog an opportunity to take his daily bath and at the same time protect himself against insect pests and disease. It is very important that hogs should never be given table refuse in which dishwater has been emptied if any washing powder has been used in cleansing the dishes. This is simply poisonous to the hog.

A serious matter, and one which is (Continued on page 13.)

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## NOTICE OF FINAL SETTLEMENT.

The State of Kansas, Shawnee County, ss. In the Probate Court in and for said county. In the matter of the estate of Martha C. Johnson, deceased. Creditors and all other persons interested in the aforesaid estate, are hereby notified that I shall apply to the Probate Court in and for said county, sitting at the Court House in the City of Topeka, Shawnee County, Kansas, on the 7th day of November, A. D. 1910, for a full and final settlement of said estate. Dated Sept. 30th, A. D. 1910. B. F. COLLINS, Administrator.

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# KANSAS FARMER

## EDITORIAL



### THREE FAMILIES TO EACH FARM.

A press bulletin from the North Dakota Agricultural College says that in the United States today three families are dependent on each farm. One on the farm and two in town, but all dependent on the farm. Two generations ago nearly everybody lived on the land and it was the lookout of each family how they worked the land. Now with two-thirds of the people in town, it not only concerns the man on the farm whether the crop is good or not, but also the man in town who is dependent on the produce of the land for his living. Whether the crop be poor or good, really affects the city man more than it does the farmer, who can keep out enough for himself. If there is no surplus, it is not hard to see who will suffer most.

As industry develops we get more and more dependent on each other. The farmer, however, remains the most independent, and again the way he carries on his work is of the most vital importance to us all. The soil is the source of everything that calls forth the efforts of industry. The people who till the soil have charge of the source of supply and the rest have to go accordingly. Do we want more to do with? Then the farmer must produce more. To do that he must have more knowledge and skill in his work. As long as the land was virgin it would produce with any kind of husbanding. Much of the farming is hardly on a permanent basis yet; witness the abandoned farms in the east, the decreasing land values in the state of New York in the face of increasing markets.

As long as the farmer can only make the soil produce one-third of what it is capable, so long must our manufacturing, transportation, merchandising and banking remain at approximately one-third of what it could be, and largely for lack of special training for his work on the part of the farmer.

Who is most interested in the man who tills the soil being trained for his work? Without a doubt it is the man in the city. He is the one who should be the most insistent on agriculture being taught in the public schools, and that the agricultural colleges be given liberal support. The railroads are doing a great deal in encouraging the teaching of agriculture. Many have placed trains at the services of the agricultural colleges that they might equip them with apparatus, appliances and instructors and thus carry the teachings of better farming to a great many people in a short time. Bankers are also active in encouraging the spread of better farming.

There are no more northwestern states to open up, so the only way to make any material increase in production is by making each acre, now under cultivation, produce more. Three families to the farm and all dependent on it for a living—which is the most interested in good farming, the family on the farm or the two in town?

This editor now has his table supplied with roasting ears and new potatoes besides a large variety of other fresh vegetables grown on his own grounds and cultivated with his own hands. More than this, he has had a succession of all these fresh vegetables during the entire season. This is not given in a boasting spirit but simply to show what has been done by a very busy man. By planting corn and truck at different times fresh vegetables can be had at all seasons. The corn which is now in roasting ear was the last of a series of plantings and the ears are well grown and taste just as good as they did last summer. The potatoes were planted during the first week in August and are of excellent size and quality.

Next year we plan to plant our second crop potatoes a little earlier. These frequent plantings pay immensely in satisfaction if nothing else.

The census report shows the population of Topeka to be 43,684 and of Lincoln to be 43,973. The twin states are mighty close together in many respects and have been since before the famous Kansas-Nebraska bill. Lincoln, however, once claimed a population of more than 67,000 and Topeka has never had a set back like

With which is combined FARMER'S ADVOCATE, established 1877.  
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### SHOW SOME CORN THIS TIME.

The State Corn Show will be held at Manhattan during the latter part of December and indications seem to point to a much bigger and better display than ever. The success of this show will depend upon the exhibitors. If these do their part the show will be a good one and a good show will attract a large attendance.

Corn is the principal field crop of Kansas and the most valuable and yet our average yield per acre is distressingly low. Kansas has made her great record as a corn producing state by reason of her enormous acreage and not by reason of her good yields.

As corn is our most valuable field crop and as the average yield is only a little more than half that of Iowa and only about one-third of the possibilities it follows that any effort to change these conditions for the better is worthy of the earnest support of every man, woman and child in the state because each and every one of them has a financial interest in that crop.

One way to increase the average yield is to use good seed and no one can do this who does not know what good seed is. The annual corn show is maintained for the purpose of teaching exhibitors and visitors what good seed is by means of object lessons. By comparison the exhibitor learns whether his corn is good or not; whether he is breeding his corn along right lines and whether he has the variety which is best adapted to Kansas conditions. And as every one is interested in the corn crop so should every one become an exhibitor. The winning of a prize at this show will be well worth while, but the information derived from the lessons there taught will be vastly more valuable.

On the college farm at Manhattan are 120 plots one-tenth of an acre in size. These plots are divided into series of twelve. One series will be planted continually to alfalfa, one in wheat and one in corn. Three of the twelve plots will be used for a rotation of corn, cow-peas and wheat in the order named. On four of the series there will be a sixteen year rotation of alfalfa, wheat and corn. Each of these series is to contain twelve plantings fertilized with different kinds of fertilizers and with different applications of barnyard manure. It may, therefore, be sixteen years before the professor in charge shall know the outcome of the work he has begun. He may have a clue in five years, and the secret may not be disclosed until after he and every one in the catalogue have gained their final reward.

New Orleans is actively aggressive in its campaign to secure the Panama Exposition. The commercial bodies in charge of the matter are sending out some very strong and attractive advertising matter in which attention is called to the beautiful city as being the logical place for the proposed World's Fair.

### THE WEED TAX.

Did you ever stop to think of the tax you are paying to keep up the weed crop? If the state should levy a tax on your crops, equal to 25 per cent of the value, you would rebel in righteous indignation. Wouldn't you? Yet a good many of us permit a stand of 25 per cent of weeds to occupy our fields and think we are doing pretty good farming, too.

The weeds give no return. They draw more heavily on the water supply and plant food supply than paying crops. Paying crops and weeds cannot occupy land at the same time. Let us grow paying crops and get profits rather than pay taxes.

The Colorado Agricultural College in a bulletin figures that pound for pound, the plant food required by crops and by weeds is almost the same, but weeds are better food gatherers. The greatest difference comes when the question of water arises. Weeds not only require more water but are able to get it. From 300 to 700 pounds of water are used in producing a pound of dry matter in our common crops. Weeds require even more. If it comes to a contest as to which will get it, the weeds win.

Safe to say that Kansas crops were this year reduced over 25 per cent in value through weeds alone.

The National Corn Exposition will be held this year at Columbus, Ohio, beginning January 30 and lasting two weeks. This is the greatest exposition of its kind and ranks in interest and value with the American Royal or the International Live Stock Shows. Exhibitors in the National Corn Exposition are drawn from those who are winners of prizes in the several state corn shows and among them Kansas has been well represented heretofore. The state corn show will be held at Manhattan during the latter part of December and among the hundreds of exhibits there there will surely be some worthy of a place at Columbus. The boys' corn clubs should be especially interested in this matter. Supt. J. H. Miller of the extension department of the Kansas Agricultural College will furnish full information.

A 35-mile run up the Kansas river valley the other day showed the farmers very generally busy in harvesting the potato crop. The yield is not good this year, although the fields gave evidence of good care in most cases. One farmer reported a crop of only 200 bushels on 5 acres. When compared with the 300 to 500 bushel yields of eastern states and the 800 to 1,000 bushel yields of north Europe these crops seem very small. The Kansas river valley seems well adapted to potato growing but better methods seem to be necessary.

Why is it that a good farmer always has good fences, good buildings and a general air of prosperity about his place? Because he is well to do and can afford these things. How did he become well to do and able to afford these things? By being a good farmer.

### HOG CHOLERA SERUM.

A successful demonstration of the value of the new government serum for preventing hog cholera has just been concluded at South Omaha, Neb., by the Bureau of Animal Industry of the United States Department of Agriculture. The efficiency of the serum has been proved many times in the past, but in order that its value might be brought more strikingly before the people of Nebraska a demonstration was arranged for at the Union Stock Yards at South Omaha in cooperation with the Union Stock Yards Company of Omaha.

The stock yards company purchased thirty pigs, weighing from 40 to 60 pounds each, from a farm which had been free from hog cholera for several years. These pigs were brought to the stock yards, and on July 23, 1910, four of them were injected with blood from hogs sick of hog cholera. These inoculated pigs were placed in a pen by themselves, and within five days they had become sick, at which time eighteen of the remaining pigs were each given one dose of the serum, while the other eight pigs were not treated in any way. The eighteen serum-treated pigs and the eight untreated pigs were then placed in the same pen with the four pigs which had been made sick by inoculation.

The four pigs which were given hog cholera all died, and the eight untreated pigs all contracted the disease from them. The eighteen pigs which were given serum, and which were confined in the same pen with the four original sick pigs and with the sick untreated pigs, remained perfectly well, and were finally turned over to the officials of the stock yards company upon the completion of the experiment, September 17, 1910.

The United States Department of Agriculture does not distribute this serum to farmers, but is endeavoring to bring the value of this method to the attention of the stock-raising interests in order that they may arrange to secure state funds for the manufacture and distribution of the serum. The government authorities consider that this new serum treatment, if properly applied, will result in the saving of millions of dollars.

The farmer does not appear in the foreground as working for the many improvements which will make better his conditions. The good roads movement, the farmers' institute and college extension work are examples. The efforts in the direction of better highways are made by townspeople, bankers, merchants, etc., not because they need or want better roads for their own convenience, but because they know good roads are a good business proposition for the country in general. The railroads, the agricultural college folks, the business people are the greatest boosters and the organizing force for institutes and institute trains—so, in an effort to improve agriculture in general. It's business in its strictest sense. Gifford Pinchot makes this statement: "If the farmer decides that he will himself put an end to his own isolation, and work in cooperation with his fellows for all the great objects of united interests common to the farmers of each farming neighborhood, then the beginning of great things will have arrived."

Why should farm products be imported to the United States? Why not crowd our farms to the maximum and keep our money at home and cause our own people to be richer, happier and more healthful? According to the United States Department of Agriculture, the value of farm products imported into the United States during the year ending June 30, 1909, amounted to \$639,000,000, an increase of \$99,000,000 over the previous year and \$12,000,000 more than in 1907. With two families living in the city to every one of the farms the reason is apparent. "Stick to the farm" is now a slogan. Before many years it will describe a condition forced upon us.

Virginia still shows some symptoms of life and even progress. She has invited the International Conference on State and Local Taxation to meet with her in 1911 in the hope that she may get some ideas from which she can evolve better tax laws for her own people.

# THE HOG AS A MONEY MAKER

## Kansas Corn and Alfalfa Fields Are The Hogs Happy Home

By Prof. G. C. WHEELER

The oft-repeated quotation that the hog is the "mortgage lifter" was never more true than at the present time. There is no animal kept on our farms which will so surely and quickly return us a profit upon food consumed and care given as the humble and lowly hog. It is agricultural suicide to continue the practice of selling all the crops produced from the farm. Not even our richest lands can stand this system long. We find the hog ever ready to consume these raw materials converting them into a finished product of far greater market value. Swine are the most efficient machines for converting the various feeds of the farm into meat that we have among our domestic animals. Pigs will produce a pound of increase for from four to five pounds of dry matter consumed in the food, while fattening cattle will require from ten to twelve or thirteen pounds to produce the same amount of increase. There is no place where hogs can be grown so profitably and successfully as upon the corn and alfalfa farms of Kansas. At the prices which have prevailed for pork the past few years, corn can be marketed via the hog route at from 60 to 65 cents per bushel.

The type of hogs to grow is a very important factor. The utility features must be highly developed. We want a hog that will not only fill the market requirements, but one that will turn the greatest amount of corn and other home grown feeds into pork at the lowest possible cost. In order to be highly profitable the farmer's market hogs must, first of all, have a great store of inherited vitality and vigor. The animal must transform a large amount of material into a marketable product in a very short period of time, and any weakness or lack of vitality and vigor would result in a breaking down of the animal and a failure to carry out to profitable consummation its purpose in life. The animal must fill the market requirements and the farmer must grow and produce the type in greatest demand in the markets of the world or take the consequences. The type most in demand under present conditions is a young animal of compact, smooth form, that has been quickly grown and does not exceed 200 pounds to 250 pounds in weight. The color is of minor importance although it will be found to add greatly to the general appearance of a load if all are of uniform color and markings. There is no "best breed," one that is best for all conditions and environments. Some breeds may be better adapted to certain conditions than others and some thought should be given to this point when selecting the breed. After a breed has been selected suitable to the conditions and most acceptable to the personal tastes, the aim should be to produce the best possible type of that particular breed.

The brood sow is the foundation of all profitable pork production, and her selection, care and management are the most important factors of the whole industry. It is a subject upon which volumes have been written, and in spite of this fact probably more hog growers fall in this point than in any other phase of the industry.

In making the selection of sows, it must be borne in mind that we cannot expect uniformity in the pigs unless we have uniformity in the parents. A type must therefore be kept in mind and the selections, as far as possible, made to conform to this type. The sows should be broad between the eyes and of refined appearance about the face and neck. The shoulders should be smooth and deep, the body should be fairly long, with well-sprung ribs, giving plenty of room for the vital organs. There should be no pinching-in just back of the shoulders. The various other requirements of the market type must be followed—the well developed ham: broad, straight back and deep sides; short, straight legs should support the animal, with good width between them; the bone should not be too fine, and the feet should be strong; weak pasterns are far too common in breeding-stock and must be guarded against.

Selection of brood sows for the suc-

ceeding year should be made early. In fact, the most successful hog man will have this thought in mind continuously as he goes about among his pigs. The culling of the old sows should begin as soon as the pigs are weaned, discarding those which have produced small litters or those which are such poor sucklers as to be unable to raise a good litter and the cross, nervous sows that are always getting excited and killing pigs. A tried brood sow that has fulfilled all the requirements is worth keeping for several years. In the selection of gilts study first the dams, giving preference to those from large, even litters from mothers having the desired characters. From the standpoint of fecundity it is well to look to the sire also, for a sire selected from a large litter will be more likely to transmit that character to his female offspring. The mature sow makes by far the best brood sow. It would be better if the gilts were not bred until a year old. If the practice of breeding too young is continued, the vigor and vitality of the herd will be greatly reduced after a few generations. If some of the early farrowed spring gilts are selected out for brood sows, they should be separated from the rest of the pigs at weaning time so as to be developed as brood sows and not as market hogs. If bred to produce spring litters, they should not be expected to produce fall litters the following year. They must have time to grow and develop.

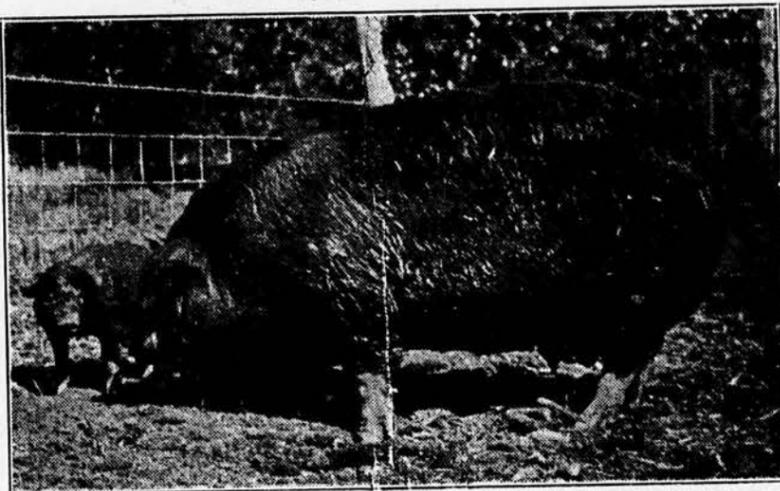
In connection with carelessness in the selection and maturing of breeding stock, the average farmer probably errs as often in the kind of feed and care which he gives brood sows and young, growing stock as in any one particular. It is so easy to throw out a few scoops of corn to the bunch of brood sows, and far too many of them are fed in that way. The sow developing a litter of pigs must have a sufficient protein supply in the food. She ravenously devours the chance flesh or carcass which comes her way; clover or alfalfa is eagerly picked up and if she is allowed to go to farrowing time undergoing this protein starvation she is apt to be in a feverish condition and everything is favorable to produce a pig-eating sow.

Even if this does not occur, the pigs are lacking in vigor and often the mother does not produce a sufficient supply of milk. It is not necessary to have a brood sow in a poor condition of flesh; in fact it is not desirable. The starvation method of caring for sows is as serious a mistake as to fatten them like market hogs. She was already receiving a starvation ration for a pregnant brood sow and this reduction of corn is no advantage unless a proper ration is substituted for it. She should receive in addition some such feeds as oats, bran, oil meal, and, where alfalfa hay is available, she should have all she will consume. Where alfalfa is supplied in abundance the oats and bran may not be required. If a low feed rack could be put in the yard with brood sows and kept constantly full of the finest quality of alfalfa available there would be far less complaint of sows failing to do well at farrowing time. The brood sow should have the run of a large pasture whenever possible. If confined too closely they will not exercise sufficiently, and if necessarily so confined they must be encouraged and even compelled to take exercise. Scattering oats over a dry place on the ground or on a feeding floor is a good method of keeping them on their feet for some time each day.

If the sow has been properly fed and handled during pregnancy, very little attention will be required at farrowing, unless the weather should be severe. Each sow should be placed in a pen by herself three or four days before due. For the early litter a warm pen is necessary. It should be dry and supplied with a small amount of straw or chaff. Too much bedding is dangerous, as the pigs are much more apt to be lain on by the sow. A guard rail should be placed eight inches from the floor and six or eight inches out from the wall as a further means of safety to the pigs. The attendant can easily tell when a sow is about to farrow by the milk appearing in her teats a few hours in advance. In cold weather it may be necessary to dry and warm the pigs by artificial heat. A barrel or box with some hot bricks or stones wrapped in blankets is excellent for

this purpose. The pigs may be placed in the warm box or barrel, and when thoroughly dry and warm put back with the sow to suckle. Sometimes it will pay to keep the pigs in the warm box for the first day, giving them an opportunity to suckle every two or three hours. Sometimes it happens that a sow will be too cross and nervous to submit to having the pigs removed in this way. The man who has made friends with his sows previously will commonly have little difficulty in working about them at this time. Possibly some may not be aware of the fact that a newly farrowed pig will very seldom squeal if picked up by the tail or ear. Many pigs are lost annually through carelessness at farrowing time—probably more than by over-attention at this time, although too much solicitude may result in harm. The sow should be kept as quiet as possible the first twenty-four hours, receiving nothing but water which should be warmed, especially if the weather is at all cold. The feeding for three or four days should be light, a warm bran slop being given at first, gradually working up to a full feed at the end of a week or ten days.

In growing and developing the pigs, the most important point is that they shall be well suckled and have an abundance of exercise, sunlight and fresh air. The pigs should not have much milk while very young. This often results where the sow is put on too heavy a ration soon after farrowing. It is the most potent cause of scours in little pigs, and is more should be to gradually increase the easily prevented than cured. The aim should be to gradually increase the sow's feed so that her milk flow may be increased as the little pigs become older and require more. Sometimes feeding nothing but oats to the sow will cure the scours in pigs. The first opportunity should be taken to get the pigs out in the sunlight and to encourage them to take as much exercise as possible. Lack of exercise is the chief cause of thumps in little pigs. The sleeping quarters should be warm, and be kept dry and clean. As soon as possible the sow and pigs should be put on pasture. Of course it is not possible to keep each sow and litter separate for a very long period. The different sows and litters may be put together the second or third week, and the aim should be to put those together having pigs of about the same age, and also as nearly as possible the same sized litters. There is always more or less robbing where a number of sows run together, and the smaller and younger pigs will suffer where there is much difference in the age and size of the litters. Where the pigs are well started, there is very little danger of over-feeding the sows. They must be well fed if they are to grow a good litter of pigs. By the time the pigs are three or four weeks old they will begin to eat some of the sow's ration. At this time a "creep" should be arranged so that they may be fed separately. They may be gradually started on a light ration of slop feed, consisting largely of shorts and skim milk if this be available. Some shelled corn may be given in addition. Fed in this way they will be in good shape for weaning at eight or nine weeks of age. The best method of weaning is to shut sows up in a dry lot, giving them nothing but water and a little corn to eat. The pigs meanwhile will remain in their accustomed quarters, running in the pasture and being fed as before. Some practice allowing the pigs to have access to the sow a few times daily the first few days. This will prevent the teats and udders from becoming injured by oversecretion of milk. After weaning, the pigs should still continue to have abundance of pasture, of which alfalfa is the best, and it will also be profitable to continue the grain feed. A pig cannot consume a large enough amount of alfalfa, or any other forage plant, to make profitable gains. With alfalfa for the pasture, there could be no better grain ration than soaked shelled corn for summer feed. Pigs grown in this way will make good, profitable gains during the summer and be strong and thrifty and ready for heavy feeding in the fall.



## EMPIRE BUILDERS

In this Issue Begins the Splendid Serial Story, Empire Builders, by Francis Lynde. It is a Most Interesting and Exciting Romance of Love and Adventure, Railroad Building in the West and will have a Particular Interest for all our Readers. The Characters are Splendid, and the Story is Full of Life and Action, and will be Thoroughly Enjoyed by Every Member of the Family. Empire Builders has been fully illustrated by Albert T. Reid especially for Kansas Farmer.

The pig that has been supplied with an abundance of pasture and a small grain ration during the summer should weigh from 150 to 175 pounds by the latter part of September. A short period of heavy feeding will finish them for market at 200 to 275 pounds in weight. Pork grown in this way will yield far more profit than where the process is strung out longer and the hogs are finished to heavier weights. The cheapest gains are always made while the pig is young. It is poor policy to starve and stunt a pig during the first few months, expecting to make it up by heavy feeding later. The 100 pound pig makes gains twenty per cent cheaper than the 200 pound pig if equally thrifty.

With proper judgment, considerable use can be made of new corn in fattening the early pigs. As the pastures begin to grow short, new corn that is beginning to dent may be cut and given to the pigs. Care must be taken that they become accustomed to this new corn gradually. By cutting the new corn, stalk and all, a considerable portion of the green leaves and finer parts will be eaten. As the corn becomes more mature and the ration increases, the hogs will eat less and less of the fodder, until they are on practically a full feed of corn. It is seldom profitable to fatten hogs on a full ration of corn alone in a dry lot. They soon cease to thrive, and will not eat as large a ration as is desired. The balanced ration will yield the largest gains and almost invariably the cheapest gains. Alfalfa pasture or good, bright alfalfa hay of the fourth or fifth cutting supplied to fattening hogs will be a very efficient and economical means of balancing the corn ration. It supplies the protein, which is deficient in corn, and gives variety to the ration. Soy beans, where available, will serve the same purpose, given as a fifth part of the ration. Any feed, if rich in digestible protein, may be used with profit, unless too high in price. The latest feeding-stuff to be used for this purpose is the packing house by-product called "tankage" or "meat meal." These highly nitrogenous products, while high in price, are so rich in protein that only a small amount is required. They have been successfully and profitably fed by so many experiment stations and practical men that there can be no doubt as to their value. To a fattening hog of 150 pounds weight, one-half pound of tankage daily is sufficient. Care must be taken that there is sufficient trough room for each hog to receive his proper allowance. While corn is the chief grain for fattening hogs, almost any of the cereals may be used. Kafir corn is very similar in composition, and if ground and properly balanced gives results very nearly as good as corn. Wheat is fully the equal of corn, pound for pound; in fact, hogs will do better on wheat alone than on corn alone. When wheat is about the same price per pound as corn, or only a little higher, it will pay to use it. Barley is not relished quite so well by hogs as corn, but can be used as a fattening grain. For breeding stock it is better than corn. Cottonseed-meal, although one of our richest feeds, is never safe for hogs, as far as we know at present. It may be fed for limited periods and in small quantities with good results, but cannot be recommended for general feeding. Where large numbers of cattle are fed, the hogs fattened by picking over the droppings of the cattle oftentimes determine the profits. Hogs fattened in this way should be in vigorous condition when placed in the feed lot. It is the common practice to put as many hogs after the cattle as can be fattened without extra feeding. Where extra feeding is possible better gains with the hogs will result. This extra feeding can supply the proper nutrients for balancing the corn, which always results in better and more economical gains so far as the amount of grain consumed is concerned.

When it comes to a discussion of the various forage crops for hogs, alfalfa is in a class by itself. The farmer who has plenty of alfalfa and plenty of hog tight fences need never want for the comforts of life. With a medium grain ration, a half-dozen hogs per acre would not reduce the hay yield more than one ton, for at least three cuttings of hay could be taken from the land. At the average market price of hay, it would be worth about \$2.50 per ton uncut. The

cost per hog on this basis would not be much more than cents per season. Of course much larger numbers of hogs may be pastured per acre, but there is always danger of having the stand injured where too many are placed in a field. It is also an excellent plan to have a patch of rye sown early in the fall. In the spring and early summer some quick-growing annual may be sown to help out in supplying succulent feed to the sows and pigs. A number of crops may be profitably grown for this purpose, either singly or in combination, among them being Dwarf Essex rape, Canadian field peas, corn, oats, barley, cowpeas or soy beans. For early pasture some of these plants which will germinate at a low temperature will be required, as rape, oats or barley. The rape makes a very quickly available pasture when sown alone at the rate of five or six pounds of seed per acre.

Hog houses should be located on well drained land, and any type of permanent house should be situated so as to be as convenient as possible to pasture containing shade. The land should be sloping, and have no surface hollows or low places to collect water and become filthy wallows.

A good floor for feeding market hogs will pay for itself in a very short time. The bulk of the corn fed is fed on the ear, or shelled, and in rainy weather the hog usually is compelled to eat more or less dirt with the corn and in dry weather dust will necessarily be eaten. With a good feeding floor the grain may be fed with no waste, whether wet or dry. Cement concrete is probably the best material to use for this purpose, and a floor of this kind will last a lifetime. Quite a number of hog houses have been built with cement floors. They are easily kept clean and sanitary, but are very cold for hogs to sleep on. Where sows are to farrow on cement floors, a plank overlay should be provided.

EDITOR KANSAS FARMER:—Can any readers of the KANSAS FARMER tell me how to prepare ground in the winter in order to kill crab grass. I have 30 acres of land to put in alfalfa in the spring but it is so matted with crab grass that I want to know if there is any way to get rid of it.—Geo. W. Webb, Cedarvale, Kan.

[Note.—Replies to this question may be sent to KANSAS FARMER as there are many others interested.

The Oklahoma Experiment Station announces that it has discovered that a certain fungous disease of the San Jose scale, which has heretofore been known in tropical or semi-tropical countries, will live and propagate in that state. This fungous disease is of much the same nature as the chinch bug disease and does its work the same way. It has been found to be quite hardy in Oklahoma and the station is prepared to supply it to those whose orchards are infested.

One of our advertisers who is a most successful swine breeder and who milks a number of cows "on the side," reports that he has tried soiling his alfalfa for several years, but always with disastrous results to the crop. He says that wherever he has cut his alfalfa as a soiling crop the foxtail has invariably crowded out the alfalfa. He asks whether the reason is to be found in his location, his methods or the kind of alfalfa. He lives in Leavenworth county and his youngest alfalfa field that was used for this purpose had a growth of two seasons. Will any of our readers help him out?

What do you know about alfalfa? What do you know about the plant-food it takes from the soil?

What do you know about any of the legumes; and do you know what is a legume? The farmers in Kansas are supposed to be modern in their methods, but there are many things about the crops they grow of which they are still ignorant. Few persons, except farmers, perhaps, know that a legume is any pod-bearing plant, such as clover, alfalfa, peas, beans, the coffee tree, etc.

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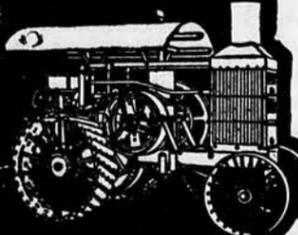
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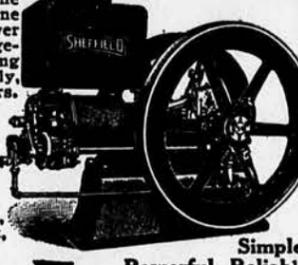
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## DRY FARMING ECONOMICS

A View From The Transportation Standpoint

GEO. W. MARTIN.

Few subjects are of greater interest to this country than this. Not only are those directly interested who have cast their fortunes and staked their homes on the bosom of the great semi-arid plains of the west, but the people of the United States generally are vitally interested in any movement tending to better develop the agricultural resources of the country. The ultimate success of this important branch of our agriculture, commonly known as dry farming, must necessarily depend largely, first, on the character of educational work done along the lines of scientific dry farming, and, second, necessary railroad facilities for crop marketing. These are the two paramount considerations in the handling of this most important problem. The educational work without the transportation facilities would avail little or nothing, and vice versa. I will not attempt to in any way treat the subject of scientific dry farming, as there are so many others better equipped for such a responsibility than am I, but my purpose is to deal with the subject more from an economic standpoint, and touch on the question of the interest felt by the railroads in the success of the valuable work being done by dry farmers in an educational way.

During the past five years the development in eastern Colorado serves as a good illustration of what may be accomplished by friendly cooperation between the farmers and the railroads. As a result we find greater benefits accruing to the farmer from the educational work done by the railroad, and greater benefits to the railroad due to the increased prosperity in that section.

Eastern Colorado has an average moisture per year of 15 to 18 inches, as against an average of 30 to 35 inches in the rain belt. Our soil is a rich sandy loam, our climate healthy and invigorating, and how to get for the farmers throughout the semi-arid district the maximum results with the minimum moisture has been the paramount question. You will probably agree with me when I say there can only be one way in which such results can be accomplished, and that by a continuous campaign of education along such broad lines as to demonstrate to each and every farmer in a practical way the difference in the out-turn of his crops under antiquated methods, and the results obtained under proper seed-bed preparation and cultivation of scientific dry farming methods. This is constantly being demonstrated by practical tests of the many who are doing this educational work, as well as those progressive farmers who are taking advantage of such educational training and are doubling and trebling their crops by putting the scientific principles into practical operation.

The correctness of this assertion can be determined in almost any semi-arid district where this educational work is being done. You will

find two adjoining fields whose crops will tell the story, the one cultivated under antiquated methods, showing a small yield, while the other adjoining fields, having the same soil, the same moisture, and the same climatic conditions, properly cultivated, are producing bountiful crops.

What has made the present agricultural development and its great future in the west possible? We must all admit that without transportation facilities our farms would be worth little, if any, more than were the Kansas and Colorado farms during the prevalence of the drought and the reign of the grasshoppers.

There are many kinds of courage. Conceding that moral courage is perhaps the most important for the betterment of mankind the next most important is financial courage, the demonstration of which is necessary to build up the country and develop its resources, and in doing this, keep its money in circulation and give employment to its masses. Did you ever think of the kind of financial courage it took to construct the railroads through the barren plains of the west when the country was practically without development, and when its future was an unknown quantity and an unsolved problem? Surely such financial courage, enterprise and expenditure entitled the owners of the railroads, among whom are numbered many tens of thousands of our citizens, such consideration as would be accorded to any citizens of this country engaged in other industrial pursuits. This at least without reference to what the railroads are performing in the onward march of progress and civilization. The railroads give employment to 1,500,000 of our people, and support 20 per cent of the population of the United States. The holders of railroad securities receive an average income of only 4 1/2 per cent on their investments, and even these small percentages are threatened by continued agitation and adverse legislation.

The agricultural development in the great west is in its infancy, and the railroad building in the great west has not reached its maturity. One cannot progress without the other. We cannot reach the great agricultural supremacy for which we are striving without the building of tens of thousands additional miles of railroads.

The evolution through which the railroads are now passing will in all probability change the tide of many of the commercial channels, as well as cripple the business of many of the commercial centers. Naturally such changes must bring with them profit to some and distress to others. Experience alone will determine the wisdom or misfortune of a move that stands to change the basic principles on which the nation's commercial, industrial and agricultural development has been founded from the time of its infancy.

## HOW TO TRIM TREES

A. A. COOPER, Dubuque, Iowa

1. Cut all branches close to the trunk and parallel with it. Do not leave a stub. The circulation or sap of the tree runs in direct currents, just under the bark, along the trunk to the leaves, and back to the roots. If the leaves are cut off, the circulation or sap-flow stops; and as there are no leaves left on the stub, the sap-flow stops, and there can be no healing.

2. Cut off no branch larger than one inch in diameter, close to the trunk, until it has been first severed farther out, from 6 inches to one foot. This prevents the peeling down of the bark just under the wound which even a light branch may cause. Cut as follows, always using a sharp saw, never an axe: First cut 6 inches to one foot from trunk (depending on the size of limb) on under side of limb, half way through only. Second, cut three or more inches farther out on the upper side of the limb, half way through. These two cuts permit the limb to fall, without peeling. A stub

is left. Third, cut off the stub, close to the trunk and parallel with it. Leave no projecting ridge or bump. The wound should be flush with the surface of the tree; this causes rapid healing.

4. How to dress tree wounds—be sure the wound is clean. Be sure that all decayed matter is removed. Paint well with ordinary white lead or coal tar, and renew from time to time until wound is healed. Cavities should be cleaned out carefully, all decayed matter being removed, and filled with a mixture of Portland cement and sand in the same manner that a dentist fills a tooth.

5. The time of the year to prune. June and July are preferred because the tree is in condition to heal its wound most quickly. This is in accord with experiments recently conducted on the grounds of the college at Ames. Next in the order of preference comes the winter months. Early spring, when the sap is rising from the roots, is the worst time to prune.

# POULTRY



Cold weather is here. Hope you have a tight, warm house for your chickens. Unless you have, don't expect many eggs this winter.

In addition to the warm house, the fowls should be provided with an abundance of pure, wholesome food, fed at regular intervals.

Fowls at this time of year are subject to roup, as it is a fall and winter ailment. It affects the eyes, nostrils, mouth and throat. It commences as a common cold and develops if neglected, into roup. As a remedy dissolve a teaspoonful of chloride of lime in a pint of water and give the bird a teaspoonful of the solution.

There is no green food that is equal to chopped onions, though they are too high in price to feed very often. If your fowls get to sneezing and show symptoms of cold, give them a lot of chopped onions, all they will eat and the chances are that the cold will be cured.

To get egg in winter the fowl must have animal food. In the New York Agricultural College experiments were made in feeding cockerels and pullets on a meat ration. The cockerels gained over 56 per cent more than those fed on other rations, while the pullets commenced to lay eight weeks earlier than those fed without meat. The great trouble with most farmers is that they are apt to give their chickens one continued feed without any change or variety. The feed is the whole thing with the hen and she cannot be expected to lay eggs unless she gets the proper rations to produce them and meat should be one of the chief ingredients now that she is deprived of her summer supply of insects and bugs. If you have no bone cutter to grind up the bones and meat, the cheapest and best way is to boil the meat to pieces, then put in the soup corn meal, ground oats, alfalfa leaves and a little salt. Such food will contain all the elements of an egg.

### Join the Association.

The secretary of the Kansas State Poultry Association is sending out circulars to poultrymen urging them to join the Association. The yearly fee is only fifty cents, with no other dues. For this their name, address and the variety of fowls they breed will be printed in the premium list. It is the best and cheapest advertising one can get for fifty cents, besides giving the breeder a standing among poultrymen that he otherwise would not have outside of the Association. It also entitles the holder to admission to the State Show at Wichita for the whole week, January 9 to 14, 1911. The premium list of the show will be out early in December. The advertising rates are \$5 per page, \$3 per half page, \$2 per fourth page. Poultry breeders are urged to send an advertisement of their stock to the secretary.

This year the show will be held at Wichita, the metropolis of the southwest, a city of wonderful growth and enterprise. It is the gateway to the new state of Oklahoma and the show will attract hundreds of fancy poultry buyers from that flourishing state, making it the best possible show for breeders to advertise their stock and sell their birds.

For the first time in its history, the State Show will have uniform cooping, contracts with the Spratt's Patent Co. of Newark, N. J., having been made for their celebrated coops. This enables the exhibitors to send their birds in light muslin coops, saving lots of money in expressage. The entry fee covers cost of cooping. The show will be held in the new \$150,000 auditorium at Wichita, the finest building for such purpose in the west.

We shall pay the most liberal premiums of any show in the United States, considering our small entry fee. \$10 in gold for first pen, \$5 for second and \$2 for third. Singles, \$2, \$1 and 50 cents for first, second and third cock, hen, cockerel and pullet.

Entry fees only 50 cents per bird—\$2 per pen. There is ample money in the treasury to pay all premiums in full. The winning exhibitors will get their money before they leave the show room.

Send your birds to your local shows, then come to the great round-up of all the shows, at Wichita, and find out how your stock compares with your neighbor's stock.

For further particulars address the secretary, Thos. Owen, Station B, Topeka, Kan.

### Selecting the Breed.

It is not always an easy matter for one who intends to keep poultry for the first time to make a wise selection of the breed best adapted to their purpose. Numerous articles have been written in the poultry papers concerning the merits of various breeds, but as a rule these articles have been written by breeders whose opinions are prejudiced in favor of the breed which they keep. Consequently they are often confusing and misleading to the beginner. With this in view the writer will endeavor to give an unprejudiced opinion of the merits of the various breeds.

For convenience, we will classify the breeds into three classes: 1. Egg breeds; 2. Meat breeds; 3. General purpose breeds. There are other breeds which do not come in this classification, but as a rule, they are unprofitable and are raised only for their beautiful plumage, or some other characteristic.

The three principal egg breeds are the Leghorns, the Minorcas and the Hamburgs. If a person contemplates receiving their income entirely from eggs and can afford to eliminate the dressed poultry side of the business, one of these breeds should be his choice. The Leghorn enjoys the greatest popularity of the three at the present time and probably will continue to be as popular in the future. Owing to the small size of the breed, they consume less feed than the larger breeds and consequently produce eggs at a much lower cost. The records of a pen of White Leghorns and White Plymouth Rocks at K. S. A. C. showed that it cost 1 cent a month more to feed the Plymouth Rocks than the White Leghorns. The Leghorns laid more eggs than the Rocks and produced a profit of \$1.87 per hen for 8 months as compared with \$1.61 per hen with the Rocks during the same period. The Leghorn undoubtedly lays more eggs the second year in proportion to the number laid the first year than any other breed. The records at the station show that out of a pen of 17 hens, 16 had laid during 18 months an average of 283 eggs and of these 16, 14 had laid over 250 eggs, of which 4 were over the 300 mark. These birds are still laying and undoubtedly several more hens will lay above 300 eggs by the end of the two-year period. The Minorcas are larger than the Leghorns and would necessarily consume more feed but in return lay a much larger egg. The Minorcas are considered by some people very good winter layers, although I would not recommend them as such; owing to the large size of the eggs they are bred in certain localities where a premium is paid for large eggs. On the farm, however, it is a different proposition and the farmer can scarcely afford to keep this breed and sell his eggs on the regular market. The Hamburgs lay a large number of winter eggs but the eggs are usually quite small. The birds are very popular owing to their beautiful color (silver and golden spangled) and are probably the most profitable of the beautiful breeds. They are great favorites with children. All of the breeds in this class lay white eggs. This may or may not be an advantage in certain localities. Most shippers have no preference in buying eggs, as all of them are graded, the brown eggs going to certain markets such as Boston and the white eggs to a market like New York. These breeds

(Continued on page 16.)

## The Corn Sheller That Breaks Every Record!

For over half a century the Sandwich has set the pace in the design and construction of corn shelling machines. It has led in every advance—every improvement. And today there are three times more Sandwich Shellers used than any other kind. Sandwich Shellers do faster and cleaner work and save more grain than any other sheller ever built. And there's less strain, friction and wear on a Sandwich Sheller than on any other.

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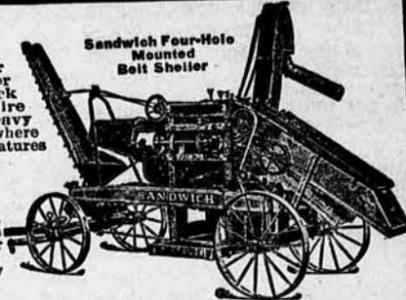
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One of the best poultry ranches in the state. Two acres adjoining Washburn college campus, 9-room house, cellar, cistern, well water, barn. Best poultry house in county. Fruit and ornamental trees. Price \$4,000, half on time if desired. No trades. POULTRYMAN, Kansas Farmer Office.

### BUFF PLYMOUTH ROCKS.

A FEW CHOICE BREEDING COCKERELS. Bred from my prize winners, at three dollars each or two for five dollars, while they last.

C. R. BAKER, Roy F. Abilene, Kan.

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F. L. Pierce, County Clerk, Kearney Co. TAKEN UP—One cow and calf, female, pale red, light face. S on left shoulder, T on left side, N. K. on left hip, O on left shoulder, valued at \$25. Taken up Oct. 2, 1910, by Thomas West of Hartland twp.

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14 CENTS A ROD FOR A 24-INCH HOG FENCE Send for Catalog Showing Many Styles All Sold on Trial The Ottawa Mfg. Co., Ottawa, KS

# DAIRY



The farm institute season is on. Do not allow the program committee to leave dairy subjects off the list for discussion.

It is not too early to begin planning for next year's feed. Do you have a patch of alfalfa? Have you studied the silo question? Think about each. It will pay.

The National Dairy Show is being held at Chicago this week. Any farmer interested in dairying can well afford to attend this show. It will prove an inspiration to any man who attends.

Are the barns and sheds in condition to comfortably house the stock? Protection from the storms is as necessary as plenty of feed. In fact, good housing will save half the feed—and it is cheaper than feed.

If a dairy train comes your way attend the meetings. You will hear something worth using in your business. The dairy train, hog train, wheat train, etc., are great educators for the farmers' benefit exclusively.

Illinois is alfalfa crazy. Kansas learned the value of alfalfa before Illinois did yet one-half of Kansas farms do not have an acre of that valuable plant. Is it possible that Kansas farmers fail to appreciate a good thing?

A good dairy farmer is thus described by an exchange: "He is a liberal, intelligent, farm gentleman, the finest gentleman in the land, full of hope and pride in his work, believing that to be a first class dairy farmer is the highest and most satisfactory calling he can engage in."

Keep a good pure bred sire at the head of the herd and feed the herd home-grown feed, such as clover, alfalfa hay, oats or silage and there need be no concern as to profits from the industry. When homegrown feed is sold through a good cow the profits are always satisfactory.

The farmer who has a filled silo in the best possible condition so far as feed is concerned to produce high priced butter at the lowest cost this winter. Good feed with good cows and good shelter is a combination which will make the farm by winter dairying pay as well, if not better, in winter than in summer.

Butter-fat is in greatest demand during the winter. The prices are best in winter. The farmer can make the most money by producing it in winter provided he has the right kind of a cow given the right care and proper feed. Where the most money is made in dairying there you will find a community doing winter dairying.

It is reported by local newspapers that the butter, cream, poultry and eggs sold in Hodgeman county, Kan., last year amounted to a total of \$139,151, or over \$46 for every man, woman and child in the county. A few years ago Hodgeman was largely a stock ranching county. Now it ranks among the leading dairy counties of western Kansas.

Here is the way a successful dairy farmer puts it: "Study the cow and the problems of dairying thoroughly and success will be assured. Make the cow the primary factor of the farm. Let the principal operations of the farm centralize around this agency of prosperity, and you will soon have the means to beautify the home and purchase the many things that contribute towards making the farm home attractive and pleasurable."

It will soon be time to whitewash the stables for winter use. Here is an excellent recipe for a thoroughly good disinfectant whitewash: Crude carbolic acid in the proportion of one pound to five gallons of fresh water-slaked lime wash. If possible, apply with a spraying apparatus, for the force blows the whitewash into the smallest nook and cranny. It will

prove a great advantage to own one of the latest improved spraying machines on the farm.

More silos have been built in Kansas this year than ever before. These have been for the most part erected by dairymen, furnishing milk for city consumption. These men knew the necessity of maintaining the milk flow and at the lowest cost. The city milkman is the lowest type of dairyman, yet he recognizes the greatest advantages through feed, etc. The farmer selling butter-fat has numerous advantages over the man supplying city trade but he is lacking in business instinct. Successful dairying involves business method.

Surprise and sometimes consternation is expressed by those who think about the shortage of beef animals that so many of the old time breeders and feeders should abandon beef cattle and go into the dairy business. Prices are good and are likely to continue so and they wonder at it. We do not believe there is any cause for worry on this score although the facts be as stated. A considerable number of these men have changed to dairying but many more have taken their places. The real problem is to produce good beef on the farm so that it will be profitable to the farmer.

## The Original Package Scheme.

The proposition advanced by the oleomargarine people to regulate the sale of their product by requiring that it be sold only in small original packages under a revenue stamp is fooling a good many people who really want to see the consumer protected. They think this will afford protection and that it is not necessary to draw the color line.

First, it would not affect the sale of oleomargarine in hotels, restaurants and boarding houses where millions of our people eat butter. It is argued that the state laws should regulate this trade. If the state food laws are adequate why was it necessary to enact a federal pure food law?

Second, and one of still greater importance, the internal revenue department is a tax collecting department and cannot be made a police department in enforcing laws against fraud except when the fraud is committed against the government by avoiding the payment of the specified tax. This department cannot become interested in the question of fraud when oleomargarine is sold to the consumer as butter. The internal revenue department is but a branch of the treasury department of the government and is in no sense a police department except in collecting revenues for the United States treasury.

In case a uniform tax of two cents per pound were imposed upon all kinds of oleomargarine the commissioner of internal revenue would only be interested in seeing that every pound of oleomargarine made was taxed at that rate and the tax paid to the government. It is argued that a heavy penalty for selling the stuff from any other package would prevent the irresponsible dealer or peddler removing the stamp and selling it as butter. But of what benefit is a heavy penalty if there is no machinery by which violators are to be convicted?

Third, if the law cannot prevent the hotel man from removing the stamp and selling the product to his patrons as butter, how can it prevent the peddler who goes from house to house from doing the same thing?

Fourth, a majority of our state law making bodies and those of foreign countries undertake to prevent fraud in the sale of oleomargarine by drawing the color line. When the states fail it is because the administrative departments are not powerful enough to enforce the law vigorously and because the federal law is not similar.

The original package scheme is absolutely impractical so long as oleomargarine is made to look like butter. —E. K. Slater, Secretary.

## 98% of the World's Creameries Use DE LAVAL Cream Separators

Ten years ago there were a dozen different makes of creamery or factory separators in use. Today over 98 per cent of the world's creameries use DE LAVAL separators exclusively.

It means a difference of several thousand dollars a year whether a DE LAVAL or some other make of separator is used in a creamery.

Exactly the same differences exist, on a smaller scale, in the use of FARM separators. But the farm user doesn't know it. Nine times out of ten he can't tell when he is wasting \$50 or \$100 a year in quantity and quality of product through the use of an inferior separator.

There can be no better recommendation for the DE LAVAL than the fact that the men who make the separation of milk a business use the DE LAVAL to the practical exclusion of all other separators.

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### Louden Litter Carriers

are made of heavy galvanized steel—wear for years; have improved worm gear—1 pound on chain lifts 40 pounds in box; box stands at any elevation—raised or lowered any distance up to 25 feet; have many special advantages not found in other makes. Send today for valuable free book on manure uses, and catalog of hay and litter carriers, sanitary steel stalls, cow stretchers, etc., for modern barns.

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## BOND'S RICHLY BRED DUROC AUCTION WEDNESDAY, NOV. 9, 1910

At farm 8 miles southeast of Hiawatha, 12 miles northeast of Horton, 2 miles from Robinson

### 37 HEAD 37

Seven spring boars, 13 fall yearling gilts and 17 spring gilts. Spring boars and gilts sired by Hill Crest Chief 78131, by Lincoln Chief, he by Ohio Chief. His dam was by 2d Goldfinch. Fall gilts are by Hill Crest Chief and Bond's Proud Advance 47809 by Proud Advance. The dams of the offering are richly bred mature sows by such boars as Golder 72417, Lincoln Chief, Bond's Proud Advance, etc. Offering will be sold in excellent breeding condition but not fat. Write for catalogue. Send bids to Jesse Johnson in my care.

AUCTIONEERS—Frank Zaun, N. T. Moore.

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Hiawatha - - Kansas

# FARM INQUIRIES



ANSWERED BY  
Prof. A.M. Ten Eyck

I would like to sow on my Coffey county, Kansas, farm some kind of grass for pasture that would remain intact for at least two years. This I failed to do with any grass that I have tried so far.

I would like to know what you think of the Bermuda grass for a pasture grass that will stand a great deal of hot, dry weather and a great deal of close pasturing. I also further inquire if you know anything about pasture grass raised in the state of Minnesota called quack grass. I would also inquire where seed of both of these kinds of grasses may be obtained.—D. W. Corey, St. Louis, Mo.

In Coffey county, Kansas, I would recommend to sow a combination of grasses with clover for pasture as follows: Ten pounds each of English blue grass, orchard grass and Bromus inermis with five pounds of Alsike clover per acre. Such combination of grasses and clover should make good pasture for four or five years. If you wish to secure more permanent pasture, you may include a little Kentucky blue grass and white clover with the combination named above. As soon as the other grasses run out, the Kentucky blue grass and white clover will take their place. The grass and clover may be sown early in the spring in a well prepared seed-bed, or you may sow the grass in the fall and the clover in the spring. Fall sown clover is apt to winter kill.

Bermuda grass is not fully hardy for growing in this state, except perhaps, in the southern counties. It is well enough for you to try Bermuda, however, in a small way. The usual way of propagating the Bermuda grass is to plant the roots. Write to the Oklahoma Experiment Station, Stillwater, Oklahoma, for bulletin on Bermuda grass.

Quack grass is a pernicious weed and cannot be recommended for planting in this state. You may secure the grass seeds, recommended for planting, from Kansas seed firms.—A. M. Ten Eyck, Supt. Western Kansas Experiment Station.

Please state the most satisfactory and sure way to clean land of cockleburrs. The ground in question has a small stand of corn and a big stand of burrs. The renter expects to put it in oats next year by plowing all under this fall and disking and drill next spring. Old farmers say the burrs will take the oats. What is your experience by observation, and what other method would be better, if any.—F. A. Smith.

I would advise to pull and burn as many of the cockleburrs as possible this fall. Preferably, plow the land at once 6 or 8 inches deep. The disk or harrow should follow the plow to pulverize and settle the furrow slice, but the surface of the ground should not be left too fine or smooth. If the seed bed is prepared early next spring and the oats are sown very early, the oats may get ahead of the cockleburrs, since most of the cockleburrr seed will be buried very deeply, and cockleburrs do not start very early in the spring. Prefer to sow the oats thickly. Sow about two and a half bushels of good seed per acre.

After harvest when the cockleburrs have made a good start, plow the field and follow at once with the disk or harrow, putting the ground in good seed-bed condition so as to sprout as many of the cockleburrr seed as possible, when by occasional disking the young plants may be destroyed, or I prefer to use for this purpose the Acme harrow.

By careful management, as described above, the soil may be very largely cleared of the burrs in a single season and by planting to corn the second season and giving thorough cultivation and hoeing out the burrs which appear later in the sea-

son, if necessary, and you may almost fully clear the land of the cockleburrs in two years. The only way to finally destroy all the burrs in the field is to keep after them from year to year and not allow any plants to produce seed. I may make this brief summary: That the only way to fully destroy annual weeds which propagate freely from seed is to sprout the seed in the soil and destroy the young plants. As long as the soil contains vital seed the weeds will continue to appear.

Another good way to control the cockleburrs will be to disk the land this fall after the burrs have been gathered and burned, and continue the disking or harrowing early next spring; when a good crop of cockleburrs have started, plow several inches deep and fully destroy the young plants, pulverize the soil, and prepare a good seed-bed and sow to sorghum, very thick, about the first part of June. The early cultivation and the smothering crop will largely clear the land of the cockleburrs. By following with corn or some other crop the second season and giving a thorough cultivation and hoeing, if necessary, so as to allow no plants to seed, the field may be almost entirely cleared of the cockleburrs in two seasons, or you may repeat the early cultivation, late plowing and sorghum crop a second season.

I have received 25 bags Kharkof wheat shipped to me by you on August 20. I wish to know as much as I can find out about this wheat, the proper time to sow it, etc. I intended to sow it in a cornfield after cutting and shocking the corn. Since I got it I have been told the wheat could be sown as a spring wheat; others say it must be sown in the fall; while others say that the wheat is intended for the dry region, and will not do well in eastern Kansas. Will you please tell me the merits of the wheat? I see Durum wheat quotations in the markets, but have never seen Kharkof wheat quoted. Why is it not quoted? Is it considered a soft or hard wheat? The reason I sent for it is because I had heard it out-yielded any other wheat and that the Experiment Station had it absolutely pure. There has been no wheat raised on my farm for years. Please inform me about this wheat.—Wm. Mortl.

I am mailing you circular 1 on seed wheat and also Experiment Station circulars 2 and 3 on seed wheat and seed-bed preparation for wheat. The Kharkof is a hard red winter wheat of the Turkey type, which should be sown only in the fall. It need not be sown especially early. At this station we usually begin to sow about September 20 and often sow until the middle of October or later. The Kharkof is a hardy variety and a good drought resister, but it will succeed also in eastern Kansas and is one of the best producing varieties at the State Experiment Station at Manhattan.

The Kharkof is not a variety of the Durum wheat, but as stated above, it is a Turkey wheat. It is not quoted in the market as Kharkof but under the trade name of hard red winter. It is fully as hard as any variety of Turkey wheat and is one of the best yielding varieties both here and at the Experiment Station at Manhattan. This is no new wheat; it is simply one variety of a large number of varieties which have been introduced into this country from Russia. This bears the name of Kharkof simply because it came from the province of that name. The old Turkey wheat originally came from the province of Turke in Russia, which province lies near the province of Kharkof.

While this Kharkof wheat may not be absolutely pure, it is practically pure. Probably the purest wheat in the state. It contains no other type of wheat but may have a few heads of some other varieties of Turkey wheat in it; however, only an expert would detect these, since the varieties of "Turkey" wheat appear practically alike to the ordinary observer.

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It's an injustice! An outrage! An actual robbery! *And we are going to stop it.*

Our new system of doing away with traveling salesmen and selling direct to the dealer by letter will do it. Two-cent stamps for selling expenses mean hundreds of thousands of dollars for better leather and other materials—hundreds of thousands of dollars to make the first and only shoe that has ever been guaranteed.

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month we agree to refund \$1.00 in cash. In other words, if these shoes should not give full six months' wear we refund more than the proportion they fall short.

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The Army Duck Lining we use costs us more than

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3rd. Located in a big business center, we have the means for giving you training by actual work during your course. This is impossible for schools in smaller towns. It is done by those in other large cities.

I am informed that you have issued a pamphlet on Grasses in Kansas. Will you please mail me a copy? I have a farm in Cherokee county, Kansas, 60 acres of which I wish to seed to meadow. Can you tell me the best grasses to use. I was going to try alfalfa, but am told that alfalfa will not grow in that part of Kansas, or will not do well. Can you tell me why?—John M. Byrne.

I am preparing a bulletin on grasses but the copy is not yet published. Timothy and clover succeed well in southeastern Kansas as a meadow. Prefer to sow early in the spring in a well prepared seed-bed which is fairly free from weeds. Sow about six pounds of clover with ten or twelve pounds of timothy seed per acre. For pasture you may prefer a combination of grasses, using a little timothy, three or four pounds per acre, with about six pounds of Alsike clover with ten pounds each of English blue grass and orchard grass. Seed early in the spring. It is also practicable to sow the grasses named in the fall, seeding the clover early in the spring without harrowing. If clover is sown in the fall it is apt to winter kill.

It is difficult to answer your question as to why alfalfa does not grow well in your part of the state. The trouble is probably a soil condition; either the soil is unfavorable in texture, being of a hard-pan or compact character, or else the soil may be lacking in lime or perhaps the alfalfa bacteria are not present in the soil and in some cases all three of these factors may operate together to prevent the successful starting of alfalfa. I am mailing you bulletin No. 155 giving further information regarding the seeding and culture of alfalfa. Would advise that you try seeding the alfalfa in a small way.

### Are We Going Down Hill?

These are a few of the facts bearing on the direct relation of the live stock interest to population, prices and the general welfare. As our population increases by anywhere from 1,500,000 to 2,500,000 per annum, and practically every person is a meat-eater, it follows that when the number of the principal food animals either remains stationary or begins to decline, the cost of living rises and the pinch begins. Not even the extraordinary prices paid for live stock have thus far been able to raise production to the level of demand.

The indirect relation is of still more consequence to the country. Before railroad transportation was generally at the service of the people, raising live stock was the only means of getting a crop to market. The haul from the frontier farm to the nearest point of shipment and the freight rate would amount to more than the grain would bring. Crops had to grow feet and walk. Now the railroad everywhere, with its reduced rates, has made practicable the carriage to market of all soil products; while it has broken up and is putting under cultivation the great ranges of the west and southwest where grazing was once the only industry. The present is, therefore, in several respects a transportation period; and it is the business of such organizations as this to forecast future conditions and endeavor to meet them.

The people of the United States must neither be forced, like the peasantry of Europe, to deny themselves meat except as a luxury, nor obliged to look, like Great Britain, outside their own borders for a supply. On the contrary, it is desirable that we should not only feed our own people but maintain those declining exports of food animals and other food products by which we have to so considerable an extent paid our debts in the past. The figures of our foreign trade emphasize the lesson of domestic production and price reports.

In the last five years our exports of meat and dairy products fell from \$211,000,000 to about \$130,000,000; and of cattle, sheep and hogs from \$43,500,000 to about \$13,000,000. This illustrates the swift decline in all our exports of food products; a trade change so sudden and so tremendous that the country may well take alarm. Unless we change our industry we must soon cease to be self-supporting as far as food is concerned.—James J. Hill.

The quail is the most valuable bird on the farm. It is an insect destroyer all the time. Protect the quail against pot hunters and see that they have a food supply in sleety and snowy weather.

# EMPIRE BUILDERS

By FRANCIS LYNDE



**A MASTER OF MEN.**

**E**NGINE Number 206, narrow gauge, was pushing, or rather falling to push, the old-fashioned box-plow through the crusted drifts on the uptilted shoulder of Plug Mountain at altitude ten thousand feet, with the mercury at twelve below zero. There was a wind—the winter day above timber-line without its wind is as rare as a thawing Christmas—and it cut like knives through any garments lighter than fur or leather. The cab of the 206 was old and weather-shaken, and Ford pulled the collar of his buffalo coat about his ears when the grunting of the exhaust and the shrilling of the wheels on the snow-shod rails stopped abruptly.

"Gar-r-r!" snarled Gallagher, the red-headed Irish engineer, shutting off the steam in impotent rage. "The power is not in this dommed old camp-kettle sewin' machine! 'Tis heaven's pity they wouldn't be givin' us wan man-sized, fightin' lokomotive on this ind of the line, Mистер Foord."

Ford, superintendent and general autocrat of the Plug Mountain branch of the Pacific Southwestern, climbed down from his cramped seat on the fireman's box and stood scowling at the retracting index of the steam-gauge. When he was on his feet beside the little Irishman, you saw that he was a young man, well-built, square-shouldered and athletic under the muffling of the shapeless fur greatcoat; also, that in spite of the scowl, his clean-shaven face was strong and manly and good to look upon.

"Power!" he retorted. "That's only one of the hundred things they don't give us, Mike. Look at that steam-gauge—freezing right where she stands!"

"'Tis so," assented Gallagher. "She'd be dead and shiff in tin minutes be the clock if we'd lave her be in this drift."

Ford motioned the engineer aside and took the throttle himself. It was the third day out from Cherubusco, the station at the foot of the mountain; and in the eight-and-forty hours the engine, plow and crew of twenty shovelers had, by labor of the cruelest, opened eleven of the thirteen blockaded miles isolating Saint's Rest, the mining-camp end-of-track in

the high basin at the head of the pass.

The throttle opened with a jerk under the superintendent's hand. There was a snow-choked drumming of the exhaust, and the driving-wheels spun wildly in the furry beneath. But there was no inch of forward motion, and Ford gave it up.

"We're against it," he admitted. "Back her down and we'll put the shovelers at it again while you're nursing her up and getting more steam. We're going to make it to Saint's Rest to-day if the Two-six has to go in on three legs."

Gallagher pulled the reversing lever into the back gear and sent the failing steam whistling into the chilled cylinders with cautious little jerks at the throttle. The box-plow came out of the clutch of its snow vise with shrillings as of a soul in torment, and the bucking outfit screeched coldly down over the snowy rails to the "let-up," where the shovelers' box-car had been uncoupled.

Ford swung off to turn out the shoveling squad; and presently the laborers, muffled to the eyes, were filing past the 206 to break a path for the plow. Gallagher was on the running-board with his flare torch, thawing out an injector. He marked the cheerful swing of the men and gave credit where it was due.

"'Tis a full-grown man, that," he commented, meaning Ford. "Manny's the wan would be huggin' the warm boiler-head these times, and shtickin' his head out of the windy to holler, 'G'wan, boys; pitch it out lively now and be dommed to yez!' But Mистер Ford ain't built the like o' that. He'll be as deep in that freezin' purgatory up yander in th' drift as the foremost wan of thim."

The Irishman's praise was not unmerited. Whatever his failings, and he groaned under his fair human share of them, Stuart Ford had the gift of leadership. Before he had been a month on the branch as its "old man" and autocrat, he had won the good-will and loyalty of the rank and file, from the office men in the headquarters to the pick-and-shovel contingent on the sections. Even the blockade breaking laborers—temporary helpers as they were—stood by him manfully in the sustained battle with the snow. Ford spared them when he could, and they knew it.

"Warm it up, boys!" he called cheerily, climbing to the top of the frozen drift to direct the attack. "It's been a long fight, but we're in sight of home now. Come up here with

your shovels, Olsen, and break it down from the top. It's the crust that plugs Mike's wedge."

He looked the fighting leader, standing at the top of the wind-swept drift and crying on his shovelers. It was the part he had chosen for himself in the game of life, and he quarreled only when the stake was small, as in this present man-killing struggle with the snow-drifts. The Plug Mountain branch was the sore spot in the Pacific Southwestern system; the bad investment at which the directors shook their heads, and upon which the management turned the coldest of shoulders. It barely paid its own operating expenses in summer, and the costly snow blockades in winter went to the wrong side of the profit and loss account.

This was why Ford had been scheming and planning for a year and more to find a way of escape; not for himself, but for the discredited Plug Mountain line. It was proving a knotty problem, not to say an insoluble one. Ford had attacked it with his eyes open, as he did most things; and he was not without a suspicion that President Colbrith, of the Pacific Southwestern, had known to the full the hopelessness of the mountain line when he dictated the letter which had cost one of the great Granger roads its assistant engineer in charge of construction, transferring an energetic young man with ambitions from the bald plains of the Dakotas to the snow-capped shoulders of the Rockies.

Originally the narrow gauge had been projected and partly built by a syndicate of Denver capitalists, who were under the hallucination, then prevalent, that any railroad penetrating the mountains in any direction, and having Denver for its starting point, must necessarily become at once a dividend-paying carrier for the mines, actual or to be discovered.

Failing to tap their bonanza freight-producer on the route up Blue Canyon, the projectors—small fish in the great money-pool—had talked vaguely of future extensions to Salt Lake, to San Francisco, to Puget Sound, or to some other of the far-beyonds, and had even gone the length of surveying a line over Plug Pass and down the valley of the Pannikin on the Pacific slope of the range. But they had prudently stopped building; and the cause continued until the day of the great silver strike at Saint's Rest.

The new carbonate beds chanced to lie within easy rifle shot of the summit of Plug Pass; in other words,

they were precisely on the line of the extension survey of the narrow gauge. The discovery was a piece of sheer luck for the amateur railroad builders. For a time, as all the world knows, Saint's Rest headed the mining news column in all the dailies, and the rush for the new camp fairly swamped the meager carrying facilities of the incomplete line and the stages connecting its track-end with the high-mountain Mecca of the treasure-seekers.

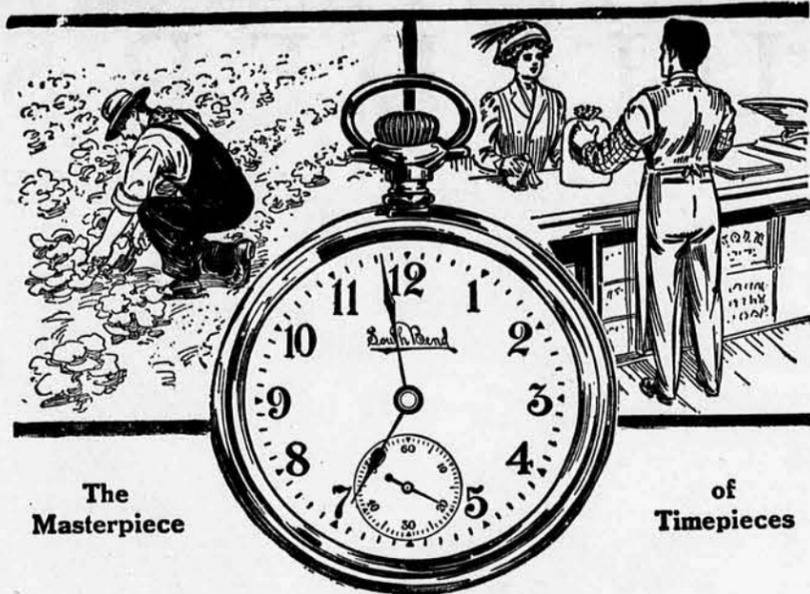
Then, indeed, the Denver syndicate saw its long deferred opportunity and grasped it. Long purses might be lacking, but not shrewd heads. The unfinished Plug Mountain was immediately bonded for more than it ever promised to be worth, and in the hottest heat of the forwarding strife it was extended at the rate of a mile a day until the welcome screech of its locomotive whistles was added to the perfervid clamor of the new camp in the Plug Pass basin.

The goal reached, the Denver folk took a fresh leaf out of the book of shrewdness. Holding the completed line only long enough to skim the cream of the rush earnings, they sold their stock at a sound premium to the Pacific Southwestern, pocketed their winnings cannily, and escaped a short half-year before the slump in silver, and the consequent collapse of Saint's Rest, came to establish the future Waterloo for Napoleonic young superintendents in the Southwestern's service.

This was all ancient history when Ford left the Granger road to climb, at President Colbrith's behest, into the Plug Mountain saddle; and a round half-dozen of the young Napoleons had been broken before he put foot in stirrup for the mounting. While his attacking of the problem had been open-eyed, he had not stopped to specialize in the ancient history of the Plug Mountain branch. When he did specialize, his point of view was pretty clearly defined in a letter to Mr. Richard Frisbie, of St. Paul, written after he had been for six months the master of the Plug Mountain destinies.

"Im up against it, good and solid," was the way he phrased it to Frisbie. "My hundred and fifty miles of 'two streaks of rust and a right-of-way' has never paid a net dollar since the boom broke at Saint's Rest, and under present conditions it never will. If I had known the history of the road when President Colbrith went fishing for me—as I didn't—I wouldn't have

(Continued on page 13.)



The Masterpiece

of Timepieces

### Your Watch Should Be Regulated to Your Business

The way a man lives affects the watch he carries, if it's a good watch.

If he's a farmer and leans over a great deal, the watch has a tendency to run a little faster than if he's a store owner and stands up behind the counter most of the day.

That's one of the peculiarities of a good watch, the result of perfect manufacture. Reducing friction to the minimum does it. A South Bend Watch, for instance, is so perfectly made that it will run on half time without a hairspring. Think of it!

Because it is so free in its action it is susceptible to absolutely perfect regulation.

A poor watch is usually stiff in its action; you can't regulate it with any certainty at all. A "mail order watch" can't be regulated properly for it takes an expert jeweler to do it.

You take your chances when you buy one.

But you buy certainty and life-long satisfaction when you buy a South Bend Watch, for you get the best watch and you get the jeweler's regulation.

When you buy a watch without that it's almost like buying a watch with one of its parts gone.

Get a South Bend Watch plus an expert jeweler's regulation—that's the way to buy a watch.

There are 14,680 expert jewelers who sell South Bend Watches, so you don't have to go to other jewelers or take another watch.

Drop in and ask to see a "South Bend." Prices range from \$7.50 to \$75.00.

If your dealer hasn't South Bend Watches send us his name and we'll name one near you who has.

THE SOUTH BEND WATCH CO.

Dept. L

South Bend, Indiana



Frozen in Solid Ice —Keeps Perfect Time

## "The South Bend" Watch

(38)

## MAPLEINE

A flavoring used the same as lemon or vanilla. By dissolving granulated sugar in water and adding Mapleine, a delicious syrup is made and a syrup better than maple. Mapleine is sold by grocers. If not, send 25c for 2 oz. bottle and recipe book. Crescent Mfg. Co., Seattle, Wash.

### Christmas Post Cards Free

Send me two 5c stamps and I'll send you 10 beautiful Christmas Cards and tell you about my big SURPRISE. E. T. MEREDITH, 128 Success Bldg., Des Moines, Iowa

### ELBURN H-2

THE MOST POPULAR PIANO IN THE SOUTHWEST



Winning its way by sheer force of merit, the Elburn has become the factor in home life of the Southwest. Hundreds of satisfied owners are spreading its reputation for quality and durability. We have often said, and we repeat it now, that the Elburn H-2 is the BEST PIANO

**\$225** Buys the ELBURN H-2—the Best Piano in the world at the price, \$6 monthly pays for it.

IN THE WORLD FOR OUR PRICE OF \$225. It is made after our own plans and specifications. We know that the quality of the material that goes into it is superior. We want you to see the Elburn H-2, to test it and to realize that all we say of it is true. Therefore we will send the Elburn to you, freight prepaid. Try it carefully; have all your friends try it, and if it is not all we represent it to be, return it at our expense. You run no risk. The trial will cost you nothing.

USED PIANOS—SCORES OF BARGAINS—many of them as good as new. All of them priced at one-third to one-half their original value.

We are also factory distributors for STEINWAY, VOSE, WEBER, KURTZMANN, ETC.

Write for catalogs. Address Piano Dept. 2.

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Funeral Director and  
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## Serma Flannels

### Make Charming Children's Garments

for either home or school wear. They are so cheap in price, beautiful in design, and strong to wear that both children and parents are delighted with garments made from them. Sold by retailers most everywhere at 10 cents a yard.

If not found write for samples

PACIFIC MILLS BOSTON



### The Only Washer

A tried and proven success. 30 Days Free Trial

to reliable parties to get our machine introduced. For circulars address HUENEGARDT MFG. CO., Lincoln, Neb.



# HOME CIRCLE



Here is a queer thing: The shortest route for sending a letter from Beebe Plain, Vermont, to Beebe Plain, Quebec, is 294 miles, although the two post-offices are in the same room and one postmaster serves the two offices.

In running the curtain rods through the hems in curtains frequently the rods will catch in the material and often leaves an ugly tear, or loss of time or temper. In case the rod is a small one try slipping a thimble over the end of it.

At this time of year when the stoves will soon have to be put up and there will be danger from falling soot a suggestion as to cleaning such spot will be in good order. Cover the spot with a thick layer of salt and give it a vigorous sweeping. If once is not enough to remove the discoloration repeat the process.

### A Dash After It.

A high school girl said to her father the other night:

"Papa, I've got a sentence here I'd like to have you punctuate. You know something about punctuation, don't you?"

"A little," said her cautious parent, as he took the slip of paper she handed him. This is what he read: "A five-dollar bill blew round the corner."

He studied it carefully. "Well," he finally said, "I'd simply put a period after it."

"I wouldn't," said the high school girl; "I'd make a dash after it."—McCall's Magazine.

Our new fall and winter catalogue has just been issued. It contains over 400 of the latest designs in dress for ladies, misses and children. No home dressmaker should be without it. Sent to any address upon receipt of 10 cents.

### Polltiness—a Business Asset.

"Polltiness is a business asset at the command of every girl who must earn her own living," says Anna Steese Richardson in the September Woman's Home Companion.

"She may not be as expert with the typewriter, the sewing-machine or the drafting tools as her fellow worker, but she can always hold her own when it comes to courtesy. She may not be able to wear as smart tailored suits and blouses as the girl at the next desk, but she can be just as polite, or more so. She may lack the strong personality which is such a factor in scoring business success, but if she will cultivate polltiness, the much coveted personality will develop.

"You can say 'good-morning' to the elevator starter, or the elevator operator, in a way that will make him say to a chum after you pass, 'There goes a lady, a real lady.'

"You can say 'good-morning' to the little red-headed office-boy who puts down your 'time' in a way that will make him say to the little cash-girl or messenger with whom he is always scrapping: 'Say, if you was like her, I'd marry you some day.'

"You can say 'good-morning' to your employer in a way that will make him realize that you are a cred it to his establishment, a womanly girl, not a human machine whose sole office is to turn out so many circulars a day.

"You can say 'good-morning' and 'thank you' and 'please' as you go through your day's work, to the fresh young bookkeeper, to the tired young file clerk, to the irritable caller, to the man-in-search-of-a-job, in the same simple, unaffected, sincere way, until polltiness becomes a habit, and the drudgery of earning your own living is transformed into the joy of independence, and those among whom you work look for your coming with pleasure, which, after all, is one of the rewards of living. We all love appreciation, and polltiness wins appreciation as the sun draws flowers from the earth."

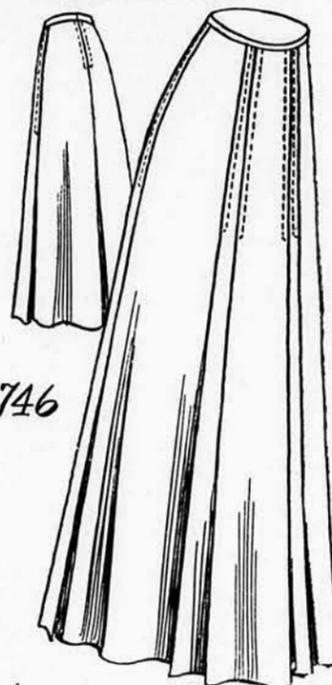
It is said that a rag should not be used in cleaning the cans and other utensils about the dairy but instead a brush should be used with plenty of scalding water. And then to properly dry the cans place them outdoors and in such a position that the sun and air can get into every part of them.

Out here in Kansas we all feel a personal interest and pride in anything accomplished by one of our number. Just now this feeling is directed toward Mrs. Margaret Hill McCarter and her new book, "The Price of the Prairies" just fresh from the press of its publishers. The story is one of the early days of Kansas and its share in the building of the west and is full of action and interest. A number of the characters are known



MRS. MARGARET HILL MCCARTER.

to us today. And throughout the book is interwoven a beautiful love story and like all true love its course doesn't run smoothly. But in the end all things are made right, and it is with regret, that the story is ended, that we close the book.



### 8746. A Skirt in the Latest Mode.

One of the newest and most effective skirts of the season is here shown. It consists of seven gores, arranged in plaits at the seams which may be stitched in tuck effect. For practical ordinary wear with skirt and separate waists, this model will be found very desirable. The pattern is cut in 5 sizes: 22, 24, 26, 28, 30 inches waist measure. It requires 6 1/4 yards of 36-inch material for the 24 inch size.

A pattern of this illustration mailed to any address on receipt of 10 cents in silver or stamps.

EMPIRE BUILDERS

touched the job with a ten-foot pole. "But now I'm here, I'm going to do something with my two streaks of rust to make them pay—make a spoon or spoil a horn. Just what shall be done I haven't decided fully, but I have a notion in the back part of my head, and if it works out, I shall need you first of all. Will you come?"

"Have I told you in any of my earlier letters that I have personally earned the ill-will of General Manager North? I have, and it is distinct from and in addition to his hostility for the unearning branch for which I am responsible. I'm sorry for it, because I may need his good word for my inchoate scheme later on. It came up over some maintenance-of-way charges. He is as shrewd as he is unscrupulous, and he knows well how to pile the sins of the congregation on the back of the poor scapegoat. To make a better showing for the main line, and at the same time to show what a swilling pig the Plug Mountain is, he had the branch charged up with a lot of material we didn't get. Naturally, I protested—and was curtly told to mind my own business, which had no ramifications reaching into the accounting department. Then I threatened to carry it over his head to President Colbrith; whereupon I gained my point temporarily, and lost a possible stepping-stone to success.

"None the less, I am going to win out if it costs me the best year of my life. I'm going to swing to this thing till I make something out of it, if I have to put in some more winters like the one I have just come through—which was Sheol, with ice and snow in the place of the traditional fire and brimstone. If I have one good quality—as I sometimes doubt—it's the inability to know when I am satisfactorily and permanently licked."

Stuart Ford was shivering through the second of the winters on the gray, needle-winded day when he stood on the crusted drift, heartening his men who were breaking the way for further rammings of the scrapheap 206 and her box-plow. During the summer which lay behind the pitiless storms and the blockading snows he had explored and planned, studied and schemed; and now a month of good weather would put the finishing touches preparatory upon the "notion" hinted at in the letter to Frisbie.

"That'll do, boys; we'll let Gallagher hit it a few times now," he sang out, when he saw that the weaker ones among the shovelers were stumbling numbly and throwing wild. "Get back to the car and thaw yourselves out." The safety-valve of the 206 was stuttering under a gratifying increase of steam pressure when the superintendent climbed to the canvas-shrouded cab.

"Ha! two hundred and fifty pounds! That looks a little more like it, Michael. Now get all the run you can and hit her straight from the shoulder," he ordered, mounting to his seat on the fireman's box, and bracing himself for what should come.

Gallagher released the driver-brakes and let the 206 and the plow drift down the grade until his tender draw-head touched the laborers' car. Then the reversing lever went forward with a clang, and the steam squealed shrilly in the dry-pipe. For a thunderous second or two the driving-wheels slipped and whirled futilely on the snowy rails. Gallagher pounced upon the sand lever, whereat the tires suddenly bit and held and a long-drawn, fire-tearing exhaust sobbed from the stack. "You've got her!" shouted Ford. "Now hit it—hit it hard!"

Swiftly the huge mass of engine and plow gathered headway, the pounding exhausts quickening until they blended in a continuous roar. The little Irishman stayed himself with a foot against the boiler brace; the fireman ducked under the canvas curtain and clung to the coal bulkhead; and Ford held on as he could.

The shock came like the crashing blow of a collision. The box-plow buckled and groaned with fine cracklings as of hard-strained timbers, and an avalanche of snow thrown up from its inclined plane buried engine and cab and tender in a smothering drift. Ford slid his window and looked out. "Good work, Michael; good work! You gained a full car-length that time. Try it again."

Gallagher backed the plow carefully out of the cutting, and the fireman opened the blower and nursed his fire. Again and again the wheeled projectile was hurled into the obstruction, and Ford watched the steadily retrograding finger of the steam-gauge anxiously. Would the pressure suffice for the final dash which should clear the cutting? Or would they have to stop and turn out the wretched shovelmen again?

The answer came with the fourth drive into the stubborn barrier. There was the same nerve-racking shock of impact; but now the recoil was followed by a second forward plunge, and Gallagher yelled his triumph when the 206 burst through the remaining lesser drifts and shot away on the clear track beyond.

Ford drew a long breath of relief, and the engineer checked the speed of the runaway, stopped, and started back to couple on the car-load of laborers. Ford swung around and put his back to the open window.

"Let's hope that is the worst of it and the last of it for this winter, Mike," he said, speaking as man to man. "I believe the weather will break before we have any more snow; and next year—"

The pause was so long that Gallagher took his chance of filling it. "Don't be tellin' me the big boss has promised us a rotary for next winter, Mister Ford. That'll be too good to be true, I'm thinking."

"No; but next winter you'll be doing one of two things, Michael. You will be pulling your train through steel snow-sheds on Plug Mountain—or

# \$1,000 for Best Letters on "How Farmers Can Make Money With Gasoline Engines"



Write a Letter to Fuller & Johnson for Full Details—NOW!

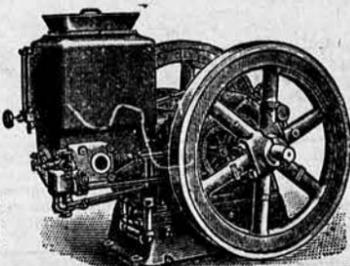
We are offering \$1,000 in cash prizes in order to get together the best ideas of practical farmers and farmers' sons on "How Farmers Can Make Money With Gasoline Engines." We are willing to pay \$1,000 cash for new and useful ideas.

All we ask is a letter giving your best ideas on this.

## Sixty-One CASH Prizes!

There are sixty-one cash prizes in all, making a grand total of ONE THOUSAND DOLLARS which we are going to distribute to those who write the sixty-one best letters on this fascinating and interesting subject.

It will be worth a great deal of money to you to thoroughly investigate this great question. You will be astonished to find how the gasoline engine opens up a new world of possibilities. You will find all about you opportunities for more profit which had been entirely overlooked.



## \$1,000 Cash Prizes for Letters!

Grand Prize	.....	\$300
Second Prize	.....	200
Third Prize	.....	100
Fourth Prize	.....	75
Fifth Prize	.....	50
Sixth Prize	.....	25
Ten Prizes, \$10.00 each	.....	100
Twenty Prizes, \$5.00 each	.....	100
Twenty-five Prizes, \$2.00 each	.....	50
<b>GRAND TOTAL</b>	<b>.....</b>	<b>\$1,000</b>

Any farmer or farmer's son (working on the farm) can compete for these splendid prizes. No expense or obligation incurred. Not necessary to be an engine owner to enter the contest. Ideas are what count, not literary style or grammatical correctness. Write just as you would talk, in everyday language. Letters must contain at least 400 words and not to exceed 1,000.

### JUDGES

We are pleased to announce that the editors of leading agricultural papers have accepted appointment as judges of all letters sent us. This guarantees every contestant that the letters submitted will be judged strictly on their practical value and without any favor being shown any person.

The contest closes on the last day of next March. Write at once for Special Circular giving full details of the great \$1,000 Prize Cash Offers. (186)

from our nearest dealer at surprisingly low cost, quality considered, carrying with it the broad and liberal guarantee of the maker.

We build seven sizes—3, 5, 7, 9, 12, 15 and 18 H. P.—mounted or unmounted. Whatever your requirements may be, we have

### Send Postal or Letter for Free Engine Books and Full Details of the \$1,000 Prize Offer!

You can't spend a little time to better advantage than in looking into this subject, "How Farmers Can Make Money With Gasoline Engines." Whether you are ready to buy an engine or not, get posted on Fuller & Johnson Double-Efficiency Engines now. A postal or letter

brings Free Books and Grand Prize Offer. If you haven't yet sent for the catalog of our wonderful little Farm Pump Engine, ask for a free copy today. Somebody is going to pick up every one of the cash prizes—why not be one of the winners? Get busy with a pencil right this minute!

10 Knight Street MADISON, WIS.

We Want More Live Dealers

We Want More Live Dealers

## Fuller & Johnson DOUBLE-EFFICIENCY Farm Engines

Costs Nothing to Enter \$1,000 Cash Contest

What we want is IDEAS, expressed in your own way. You need not be an engine owner. The facts you give may be based on observation or experience. They may refer to any make of engine. We want ideas that are practical and valuable. It makes no difference what engine you have studied or worked with in gaining the information. It costs you nothing to try, and we urge you to "get in the game."

### How to Get a Fuller & Johnson Engine at Lowest Possible Price

Fuller & Johnson Farm Engines are famous for Double Efficiency. The value per dollar being the greatest offered by any engine concern, makes our prices extremely low and the value of our product correspondingly high. Our business was established in 1840. The great engine works of Fuller & Johnson have the most up-to-date and complete engine building equipment in the United States. Write and we will tell you how to get a Fuller & Johnson engine to meet them. Thousands of farmers, in every state in the Union, consider the "Fuller & Johnson" the ONLY Engine for farm use. Its high efficiency and matchless simplicity; its "frost-proof," "dust-proof," "trouble-proof" features have made it supreme among farm engines.

you'll be working for another boss. Break her loose, and let's get to camp as soon as we can. Those poor devils back in the box-car are about dead for sleep and a square meal."

### A SPIKED SWITCH.

Ford's hopeful prophecy that the snow battles were over for the season proved true. A few weeks later a warm wind blew up from the west, the mountain foot-trails became first packed ice-paths and then slippery ridges to trap the unwary; the great drifts began to settle and melt, and the spring music of the swollen mountain torrents was abroad in the land.

At the blowing of the warm wind Ford aimed the opening gun in his campaign against fate—the fate which seemed to be bent upon adding his name to the list of failures on the Plug Mountain branch. The gun-aiming was a summons to Frisbie, at the moment a draftsman in the engineering office of the Great Northern at St. Paul, and pining, like the Plug Mountain superintendent, for something bigger.

"I have been waiting until I could offer you something with a bread-and-meat attachment in the way of day pay," wrote Ford, "and the chance has come. Kennedy, my track supervisor, has quit, and the place is yours if you will take it. If you are willing to tie up to the most hairbrained scheme you ever heard of, with about one chance in a thousand of coming out on top and growing up with a brand new country of unlimited possibilities, just gather up your dunnage and come."

This letter was written on a Friday. Frisbie got it out of the carriers' delivery on the Sunday morning; and Sunday night saw him racing westward, with the high mountains of Colorado as his goal. Not that the destination made any difference, for Frisbie would have gone quite as willingly to the ends of the earth at the croaking of Ford's grin.

It was the brightest of May days when the new supervisor of track departed from the mountain-climbing train at Saint's Rest, stretched his legs gratefully on terra firma, had his first deep lungful of the ozonic air of the high peaks, and found his welcome awaiting him. Ford would have no talk of business until he had taken Frisbie across to the little shack "hotel," and had filled him up on a dinner fresh from the tin; nor, indeed, afterward, until they were smoking comfortably in the boxed-off den in the station building which served as the superintendent's office.

"I've been counting on you, Dick, as you know, ever since this thing threatened to take shape in my head," Ford began. "First, let me ask you: do you happen to know where you could lay hands on three or four good construct-

(Continued on page 17.)

### The Pork Production Special. (Continued from page 1.)

the cause of much trouble and disease among hog herds is the dust so frequently found in the pens and buildings. A hog's breathing apparatus is very close to the ground, and if this ground is covered with fine dust, so that every motion of the animal or every stray gust of wind will throw it into the air, his breathing apparatus is almost sure to be affected and with it his vitality. A cough in a hog means something, and is a sure index of trouble of some sort. Large and small hogs should never be allowed to bunch, as the small ones always suffer. A variety in feed is appreciated by the hog as much as by any animal, but variety should not be offered too frequently.

As soon as a hog is found to be illing the healthy members of the herd should be at once removed and the premises disinfected. The hog cholera is naturally the most fatal disease, but with the serum treatment the success at the college has been very satisfactory. In the work of both the college and the office of the state veterinarian, we have been able to save over 90 per cent of the hogs in infected herds. When the serum is properly injected at the proper time, the results are uniformly good. The state veterinarian, however, has been seriously hampered by reason of having no funds available with which to carry on the work in the serum laboratory and the inoculation of herds throughout the state. Every farmer who raises hogs should interest himself in seeing that his member of the legislature works for the appropriation of ample funds for the carrying on of this most important work.

When hog cholera is found to be in the neighborhood extra efforts should be made to protect your hogs against the crows and dogs, both of which are frequent carriers of the disease. In fact, it may be safely stated that the spread of hog cholera is probably due more to traveling dogs which carry the infection with them, than to any other source.

As the lectures delivered by Prof. G. C. Wheeler and by Dr. F. S. Schoenleber will be given in full in the KANSAS FARMER, other mention will not be made here except to quote a table of balanced rations which was given by Professor Wheeler, who called attention to the fact that the best results in feeding hogs can only be secured by the use of such a ration and that this ration must be adapted to the needs of the animal. The brood sow requires a very different ration from that needed by the growing pig, and each of these differ from that required by the stock hog. The tables are as follows: The brood sow ration should be made up of 60 pounds of corn meal, 35 pounds of shorts and 5 pounds of meat meal or tankage for every 100 pounds of dry feed given in connection with alfalfa hay or pasture; the growing ration for young hogs is made up of 62 pounds of corn meal, 30 pounds of shorts and 8 pounds of tankage or meat meal to be fed with ear corn; while the ration for small pigs is made up of 50 pounds of corn meal, 40 pounds of shorts and 10 pounds of meat meal or tankage with a plentiful supply of skim milk.

This school on wheels was a most successful presentation of the methods pursued by the Agricultural College and of the information necessary to those farmers who need help to help themselves to larger and quicker profits.

### Stories Cost Less Than A Cent Apiece.

In the fifty-two issues of a year's volume The Youth's Companion prints fully two hundred and fifty stories. The subscription price of the paper is but \$1.75, so that the stories cost less than a cent apiece, without reckoning in all the rest of the contents— anecdotes, humorous sketches, the doctor's weekly article, papers on popular topics by famous men and women. The announcement for 1911, beautifully illustrated giving more detailed particulars of these stories and other new features which greatly enlarge the paper, will be sent to any address free with sample copies of current issue. Every new subscriber receives free issue. The Companion's Art Calendar for 1911, lithographed in thirteen colors and gold, and if the subscription is received at once, all the issues for the remaining weeks of 1910. THE YOUTH'S COMPANION, 144 Beekman St., Boston, Mass. New subscriptions received at Kansas Farmer office.

# READERS MARKET PLACE

## HELP WANTED.

**LOCAL REPRESENTATIVE WANTED.** Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, 473 Marden Bldg., Washington, D. C.

**WANTED—LOCAL MEN TO TAKE ORDERS** for high grade western grown nursery stock. Experience unnecessary. Outfit free. Cash weekly. National Nurseries, Lawrence, Kansas.

**FARMS WANTED—DON'T PAY COMMISSIONS.** We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable property FREE. American Investment Association, 48 Palace, Minneapolis, Minn.

**WANTED—MEN WITH ORIGINAL IDEAS;** ideas have made fortunes. If your invention has merit, lose no time in turning it into money. Our free booklets tell how: From the first step in patenting it to the actual sale of the patent. Write TODAY. Desk 568, Patent Development Corporation, Washington, D. C.

**MEN WANTED, AGE 18 TO 25, FOR FIREMEN \$100 monthly,** and brakemen \$80, on all railroads. Experience unnecessary, no strike. Promotion to engineers, conductors. Railroad employing headquarters—over 500 men sent to positions monthly. State age; send stamp. Railway Association, Dept. 614, 227 Monroe Street, Brooklyn, N. Y.

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**SAV! SEND FOR LIST OF GOOD FARMS** for \$25 to \$50 per acre. Parker Land Co., Parker, Linn county, Kansas.

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**FARM LOANS MADE IN ANY AMOUNT** from \$500 up, at lowest rates and on most favorable terms. Betzer Realty & Loan Co., Columbian Bldg., Topeka, Kan.

**FOR SALE OR TRADE A STOCK OF** general merchandise, invoice about \$9,000, Hudson Bro., Iuka, Kan.

**FOR SALE OR TRADE—3 1/2 ACRES** extra well improved in good location, adjoining Emporia. Will trade for suitable well improved farm in good location. Address E. R. Griffith, Emporia, Kan.

**3 MILES FROM KANSAS STATE AGRICULTURAL** College. Choice bottom tracts 5a, or more. One mile from Manhattan. Easy terms. A. M. Jordan, Owner, Route No. 4, Manhattan, Kan.

**FOR SALE—MY 240-ACRE IMPROVED** Rice Farm, 5 miles west of El Campo, Wharton Co., Tex. No. 1 farm and good location. Buy from owner and save commission. Address R. F. D. No. 2, Box 70, El Campo, Tex.

**GREELY COUNTY, KANSAS; 160 ACRES;** 11,200, smooth, level, unimproved; \$600 down, balance easy terms. Clement L. Wilson, Tribune, Kan.

**75 ACRES, 50 CULTIVATION, 15 PASTURE,** 45 fenced, balance timbered, 3 acres orchard, 2 sets houses, good well water all tillable, level, near town, \$1,000, easy terms, 150 acres bottom, 40 cultivation, \$1,500. Sessions, Winthrop, Ark.

## FIELD NOTES.

### Do You Want These?

The imported Belgian stallion Alphon 284 (41858), bay, 6 years old, weight 2,150 pounds, sound, broke and tried sire, and the Mammoth jack, Bob, black with white points, 5 years old, weight 1,700, tried sire, will be sold with other horses by G. L. Adams at Olathe, Kan., on Nov. 2, 1910. Come if you want them.

### Big Sale Coming Nov. 15.

One of the very best sale offerings to be sold this year will take place at H. B. Vanhooser's, Eldon, Mo., on Tuesday, Nov. 15. Sixty head of high class Poland Chinas will be sold. There will be great litters by Decatur, litters by Parnell and Class Leader, 60 head of great, big, husky spring pigs, well grown out, all first class breeding. Don't fail to get a catalogue. It tells the story. Please mention Kansas Farmer when you write.

### Albrecht Will Hold Sale.

On Saturday, November 19, Phillip Albrecht of Smith Center, Kan., will hold a Duroc Jersey sale of 25 spring boars and 25 gilts sired by Waldo and A Lincoln Top. Some of the gilts will be bred for early March litters to the prize winning Belle's Chief boar of his. Watch for further notice next week.

### Big Type Boars.

Freeland & Williams, of Valley Falls, Kan., have for sale some extra choice big type Poland China boars, sired by Expansion, Expansion See and Gold Bell Metal. The dams are mature sows

## Classified Advertising 3 cents a word

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in amount or numbers hardly enough to justify extensive display advertising. Thousands of other people want to buy these same things. These intending buyers read the classified "ads"—looking for bargains. The "ads" are easy to find and easy to read. Your advertisement here reaches a quarter of a million readers for 3 cents per word, for one, two or three insertions. Four or more insertions, the rate is 2 1/2 cents per word. No "ads" taken for less than 30 cents. All "ads" set in uniform style, no display. Initials and numbers count as words. Address counted. Terms always cash with order. Use these classified columns for paying results.

**OREGON INFORMATION—FOR AUTHENTIC** detailed information concerning fruit growing, dairying, general farming, manufacturing and business opportunities in any part of Oregon, address Portland Commercial Club, Room 642, Portland, Ore.

**80 A., 40 A. IN CULT., 2-ROOM HOUSE,** new barn, smoke house and henhouse, cistern and well, 3/4 mile to school, church and store, 70 a. lays level to gently rolling, no rock, good neighborhood. For quick sale \$10 per acre, terms on part. H. Crain, Prescott, Mo.

**480 A. BUTLER CO. LAND, 6 MILES** from town, 160 a. in cult., 320 pasture with running water, timber, 6 room house, barn, 10 horses, 1/2 mile to school. Price \$12,000; \$4,500 March 1, 1911; bal. 7 years at 6 per cent. Write for list. G. F. Morris, Burns, Kan.

**56 ACRES EX. CHOICE VALLEY LAND** on new interurban railroad; also 160 acres Walnut River bottom (does not overflow); all first class alfalfa land, well improved, \$70 per acre. Write for new fall list. Bussart & Collier, Winfield, Kan.

**111 A., 4 MI. OF PARKER, 100 A. TILL-**able, 35 a. tame grass, 10 a. timber, balance in crop; fine creek bottom land, best of soil, 5 room house, two barns, other outbuildings, orchard, plenty of water, school just across the road. Price \$50 acre. Call on The Double O Realty Co., Parker, Kan. Send for list.

**WELL IMPROVED SIXTY-ACRE FARM** across the road from school. Price \$2,800. Two fine, well improved Lyon county ranches. Send for list of lands. Hurley & Jennings, Emporia, Kan.

**WALLA WALLA, THE HOME OF AGRICULTURE—**Destined to be the hub of the Great Northwest, climate is equable, no extremes, is exceptionally healthy, excellent school facilities, abundance of pure water. Thousands of fertile acres eager for development. Prices reasonable, ten acres means independence. Write for free, illustrated booklet. N. Commercial Club, Walla Walla, Wash.

## HEDGE POSTS.

**HEDGE POSTS FOR SALE IN CAR** lots. W. H. Bitts, Melvern, Kansas.

## CATTLE.

**FOR SALE—I WANT TO SELL MY HERD** of high grade Hereford cattle, consisting of 280 cows that have raised calves this year, 80 2-year-old heifers, 50 yearling heifers, 11 pure bred Hereford bulls, fine ones, and about 15 calves. The cows and 2-year-olds are bred. This is one of the finest herds in Southwestern Kansas. Must sell soon. Write or come and see them. W. V. Jackson, Coldwater, Kan.

**TWO HOLSTEIN-FRIESIAN BULL** calves for sale. W. Surber, Peabody, Kan.

**ALYSDALE SHORTHORNS—HERD** headed by Archer's Victor No. 292012. For sale, a choice lot of richly bred yearling bulls, also some heifers and cows, at prices easily within the reach of any farmer who wishes to improve his herd. Write or call on Chas. W. Merriam, Columbian Building, Topeka, Kan.

## SHEEP.

**SHROPSHIRE SHEEP, SPRING RAMS,** of best of breeding and quality at reasonable prices for quick sales. E. P. Gifford, Beloit, Kan.

## POULTRY.

**BUFF ROCKS CHEAP. W. A. HILANI,** Culver, Kan.

**YOUNG TOULOUSE GEESE AND GANDER** 7 months old; weight 11 to 20 pounds; prices reasonable; they are not \$5 each. Write Mrs. E. C. James, Plankinton, S. D.

**PURE BRED S. C. W. LEGHORN COCK-**erels, from one of New York's very best laying strains; \$1, \$1.50 and \$2. Large pure Barred Rocks \$1.25. A. E. Dowell, Granada, Prowers Co., Colo.

**BUFF ROCKS—SOME FINE YOUNG** cockerels. Eggs in season. J. W. Key, Neal, Kan.

**S. C. BROWN LEGHORN COCKERELS** for sale. Mrs. H. Hastings, Thayer, Kan.

**PURE BRED WHITE WYANDOTTE** cockerels and pullets. \$1.00 each. Mrs. Harry S. Adams, Route 8, Wichita, Kan.

**PURE BRED ROSE COMB WHITE LEG-**horn cockerels. Jennie Martin, Route 5, Frankfort, Kansas.

**PURE GOLDEN WYANDOTTE COCKER-**els for sale Address A. B. Grant, Emporia, Kan.

**WHITE WYANDOTTE BREEDING HENS** \$1.50. Circulars free. B. B. Romig, Woodland, Mo.

**BARGAINS—ON ACCOUNT ROOM,** leading breeds blooded poultry, pigs, calves, sheep, cats, ferrets, dogs, hounds. Wanted, foxes. Captain Mason, Kirksville, Mo.

**ROSE COMB BROWN LEGHORNS EX-**clusively, Standard bred cockerels \$1 each if taken soon. Samuel Andrews, Kinsley, Kan.

## SEEDS AND PLANTS.

**FOR SALE—KHARKOF SEED WHEAT** college bred, \$1.50 per bushel, sacked. J. A. Lovette, Mullinville, Kan.

**WANTED—ALFALFA, RED CLOVER,** timothy, millet, cane, kaffir corn, and other seeds. Write to The Barteldes Seed Co., Lawrence, Kan.

## THESE SMALL ADS PAY ADVERTISERS

**PROOF:** S. B. Cummings, Tecumseh, Neb., proprietor Tecumseh Collie Kennels, writes: "Here is a small ad for your classified columns. From my previous small ad in KANSAS FARMER, I sold eight mature feisty in K. F. I would have to raise dogs in a incubator."

C. R. Baker, Abilene, Kan., writes: "I send you copy for small ad in your good paper. Last fall I paid you \$4 for a small ad for four weeks, and sold over \$50 worth of stock, cleaning up that particular bunch of birds." (Poultry advertising.)

and strictly big type. The pigs are first class and will be priced reasonably. Write quick for descriptions and prices.

### Shorthorn Bulls with Quality.

Col. Ed. Green, of Florence, Kan., is offering a few very high class young bulls. At the head of this herd is the excellent herd bull, Double Champion 242590, a most worthy son of Choice Goods. Col. Green also has a few choice cows and heifers for sale that are bred to Double Champion. Write for prices or go and see this herd.

### Hamaker's Average \$32.

Bad weather interfered seriously with the G. S. Hamaker sale, keeping local buyers away, and Colonel Leonard, although doing most excellent work, was unable to dispose of the entire offering. The 25 head sold averaged \$32, which was far too low considering the high quality of the offering. Mr. Hamaker did not offer the great boar Looks Grand. He will be retained in the herd, and as great a bunch of sows and gilts as ever were sold at auction will be bred to him and Growthy King for winter sale. Date will be announced soon.

### Herd Boars for Sale.

T. M. Chambers, of Oswego, Kan., is offering 10 choice young boars that are January and February farrow. They are sired by the Kansas and Oklahoma champion, Ten Strike. These husky young boars are just for service and are priced very low for quick sale. Any farmer or breeder of only a few head can afford to buy one of these, use them a while then turn on the

market at a profit. Ten trike was sired by Corrector 2d and out of old Cute Keep On. Write T. M. Chambers at Oswego, Kan., for prices or go see his herd. Mention the Kansas Farmer.

### Cook's Kentucky Jacks.

J. F. Cook & Co., Lexington, Ky., have been so successful in selling their Mammoth Kentucky Jacks into Kansas that they are now thinking of establishing a sale barn at some convenient point in this state. They are now offering the best bunch of Jacks they have ever showed here. They run from 15-12 to 16 hands and are well broken. Farmers and breeders are invited to visit the barns as there will be a Jack show every day that will beat most of the state fairs. Watch for further announcements and write for detailed information. Mention Kansas Farmer when you write.

### Chas. E. Curry Sale.

Chas. E. Curry, of Cherryvale, Kan., will sell at his farm near Cherryvale, January 20, 40 head of choice brood sows. Most of these sows will be bred to Special Meddler by Cute Special. His dam was Miss Challenger by Perfect Challenger. Mr. Curry has a very fashionably bred lot of sows including nearly all of the popular blood lines. Many of them are sired by state fair winners and are of the more blocky show type. Watch for further mention of Mr. Curry's sale and yet your name in early for a catalog. Please mention the Kansas Farmer.

## DOGS.

**FOX TERRIER PUPS FROM CHOICE** ratters; males, \$2.50; females, \$1.50. A. D. Williams, Minneola, Kan.

**BARGAIN—ONE COLLIE STUD DOG;** ONE brood bitch; pedigreed. Victor Hargrove, Richmond, Kan.

**FOR SALE—POINTERS, COLLIE AND** White Eskimo puppies. Brockway Kennels, Baldwin, Kan.

**SCOTCH COLLIES—PUPS AND YOUNG** dogs from the best blood in Scotland and America now for sale. All of my brood bitches and stud dogs are registered; well trained and natural workers. Emporia Kennels, Emporia, Kan. W. H. Richard.

**SPECIAL PRICES ON SCOTCH COLLIE** puppies. Sable and white and tri-color. From trained parents. Imported and American blood. We have the goods and propose to make prices to get the business. W. J. Honeyman, Madison, Kan.

**FOR SALE—FINE BROWN AND** black Spaniel puppies, "the children's friend." Fine house and waton dogs, also great playmates for children. Males \$10, females \$8. Also pedigreed Berkshire pigs. Satisfaction guaranteed. Address Thordale Kennels, Wayne, Kan.

## HOGS.

**FOR SALE—O. I. C. PIGS, EITHER SEX.** O. T. Harlow, Route 1, Vesper, Kan.

**FOR SALE NICE REGISTERED DUROC** Jersey boars and gilts; spring farrow; good breeding. I. W. Poulton, Medora, Kan.

## PATENTS.

**SEND FOR FREE BOOKLETS—ALL** about patents and their cost. Shepard & Campbell, 500 J. Victor Bldg., Washington, D. C.

## TYPEWRITERS.

**REMINGTON typewriter cheap.** Perfect condition, does splendid writing. A child could operate it. Could ship on approval. Frank K. Payne, Route 5, Rosedale, Kan.

## MISCELLANEOUS.

**E. R. BOYNTON HAY COMPANY—STA-**tion "A." Kansas City, Mo. Hay receivers and shippers. Try us.

**COW-PEAS WANTED—ANYONE HAV-**ing cow-peas for sale write me, mentioning price. Chas. A. Adam, Belpre, Kan.

**SMOKERS—SEND FOR O'R PRICE LIST** and buy your cigars direct from factory and save 50 to 60 per cent. Denver Cigar Co., Denver, Colo.

**THE FUR WINNER—SPLENDID JOUR-**nal about trapping, raw furs, special crops markets, 50c year. Sample free. Box 31, Pomeroy, Ohio.

**"PERFUME GLOSS IN STARCH MAKES** clothes white as snow, and leaves lasting perfume of Fresh Azure Violets. Sample 4c Agents wanted. SHIPMAN AGENCY, Dept. 8, Buffalo, N. Y."

**INFORMATION NEVER BEFORE MADE** public will enable you to safely increase your income at home on small capital. Invaluable during hard times. Mailed free Cleveland & Co., State Mutual Bldg., Boston, Mass.

**SPECIAL BARGAINS IN REBUILT STE-**vens-Duryea. We have several slightly used cars taken in trade. These are fully equipped and guaranteed; best cash offer gets them. See us at once. Nolan-Rieke Motor Car Co., 1708 Main St., Kansas City, Mo.

**FOR QUICK SALE—COMPLETE COURSE** in advertising in International Correspondence School. I have taken a similar course for which I paid \$85 and I know I never got a bigger \$85 worth in my life. And I have spent considerable money, too. I got this complete course on a trade to help out another party, and will sell it for the same liberal discount for which I got it. The long winter evenings are coming on—the best time to work out such a course, and if taken hold of now will prove a most excellent investment to anyone who is sincerely looking for an easily available opportunity for self-improvement. Write me for full information and price, but don't wait until this snap is gone before writing. Address S. T. J., Box 142, Topeka, Kan.

Chester Thomas, the well known and successful breeders of Durocs located at Waterville, Kan., has raised an unusually fine lot this season and is offering 25 spring boars and 40 spring gilts at very attractive prices. Mr. Thomas is desirous of selling out privately in order to get rid of the worry of making a public sale and will price gilts in lots at a very low figure considering their value. The pigs are nearly all by Mr. Thomas' young boar by King of Cois, 2d, and the dams are mated sows by Nebraska Wonder breeding. Here is a most excellent opportunity to buy a herd boar or gilt that will add value to almost any herd write Mr. Thomas at Waterville, Kan.

### The Robison Percheron Sale.

When J. C. Robison of the Whitewater Falls Stock Farm, Towanda, Kan., announces one of his big Percheron sales there is something doing. Ten times he has held annual sales and each time he has either broken a record or came near doing so. His eleventh annual sale will be held at his beautiful farm at Towanda on Thursday, Nov. 10, when registered mares, stallions and colts to the number of 60 head will be sold. Towanda is on the Missouri Pacific railroad between Wichita and Eldorado, from which points it is easily reached. This sale will afford a splendid opportunity for visitors to see one of the most successful Percheron breeding farms in the country, as well as to purchase some of the magnificent animals offered. This is a big annual event, at which hundreds of farmers have profited in past years, and you can profit by attending this year. Mention Kansas Farmer and ask for a catalogue.

(Continued on page 23.)

# Kansas Land

## WICHITA COUNTY

160 acres choice agricultural land only 10 miles from Marienthal and 17 miles from Leoti. All smooth and tillable black soil, free from sand or stones. Sheet water at 100 feet Good neighbors and a bargain at \$1,200. Further particulars on application.

ALBERT E. KING

McPHERSON, KAN

## Two Special Bargains in Land in Southwest Kansas

No. 91—320 acres, 4 1/2 miles from town, sandy loam soil, 80 acres too rolling for farming, balance smooth farm land, 4 room house, stable, granary, well, mill, tank, pasture fenced, 165 acres in cultivation and in wheat, one-third goes with the place delivered in town. Price \$9,800; \$5,700 cash, \$1,000 in one year at 8 per cent, \$2,900 in five years at 6 per cent. Come out and let us show you this.

No. 160a—640 acres, 12 miles from town, 300 acres in cultivation and in wheat, one-fourth goes with the place; an old house and well on the place, 3 miles of fence, 160 acres rough, balance level and smooth. This is new land, the 300 acres being broken this spring. Can give terms of one-half on this land for three years at 8 per cent. Price on this tract is \$23 per acre.

Come out and look at some of the lands that we have for sale. Write for complete list.

MINNEOLA LAND CO.,  
Minneola, Kansas.

## COME TO FORD COUNTY AND GET RICH

Come to the famous Ford County wheat belt, where two crops pay for the land. If I do not show you that this is true I'll pay your fare for the round trip. Best of climate, soil and water. Descriptive price list upon application.

G. L. PAINTER & Co., Dodge City, Kansas.

### EASTERN KANSAS FARM BARGAIN.

160 acres, 6 1/2 miles from Osage City and 2 1/2 miles from Barclay, Kan., \$5 acres under cultivation, 2 acres orchard, balance native grass, 6-room house, barn for 8 horses with loft, cow barn, corn crib, hen house and other outbuildings, plenty of good water, all smooth land, K. F. D. and phone, 65 acres of corn goes with farm if sold in 30 days. Price \$7,500. For full particulars write

J. C. RAPP & CO.,  
Osage City, Kansas.

### A BARGAIN FOR THE RIGHT MAN.

160 acres of good alfalfa, corn and wheat land, 100 acres in cultivation, balance pasture and meadow, 10 acres in alfalfa; all fenced and cross-fenced; improved with small improvements, orchard and shade; an abundance of fine water at a depth of 25 feet; this farm lies 6 miles from Wichita and 1 mile from loading station. Price \$80 per acre, \$2,500 down, the balance on or before ten years.

EDWIN TAYLOR REALTY CO., 107 South Main St., Wichita, Kansas.

### THE BEST TOWN TO LIVE IN.

If you would like to live in the most beautiful city in the West, with unsurpassed education, business and religious advantages, in a city clean, progressive, where real estate values are low, but steadily advancing, where living expenses are reasonable, a city with natural gas at lowest prices, address the SECRETARY of the COMMERCIAL CLUB, Topeka, Kansas.

FARMS, Ranches, Adse., Trades. Would you build an agency? Buckeye Agency, Agricultural, Kans.

### ANDERSON COUNTY BARGAINS.

100 acres, good improvements, 4 1/2 miles good town, \$40 acre, improved 160, 2 miles Garnett, \$9,500. Improved 80, \$3,000. Write for free list.

J. E. CALVERT, Garnett, Kansas.

ANDERSON COUNTY FARMS, for sale and exchange, at \$40 per acre and up. Examination the free to buyers.

SIMON LAND CO., Garnett, Kans.

### MONTGOMERY COUNTY LANDS.

Montgomery county is second in population and 6th in wealth in Kansas. Write for list of choice farm bargains and prices.

W. J. BROWN & CO., Independence, Kans.

IF YOU ARE INTERESTED IN CENTRAL KANSAS, WESTERN KANSAS OR COLORADO LANDS FOR A HOME OR INVESTMENT, SEND YOUR COUNCIL TO C. C. WALLACE, BROOKVILLE, KANSAS.

### 1120 ACRE COMBINATION RANCH.

20 head horses and colts above average and one registered Percheron stallion. Write for particulars. 50 acres first-class alfalfa and in famous Artesian Valley at a great bargain. Wm. Miller, Mead, Kansas.

WILL PLEASE THE MOST SKEPTICAL. 400 acres fine land and fine improvements, \$60 per acre. Large and small farms, attractive prices, good terms. New free lists.

BOLOUMS REALTY CO.,  
Garnett, Anderson County, Kansas.

Ford county wheat and alfalfa lands at the lowest prices. Special: 320 acres to exchange for hardware stock. Write us.

LUKE BISHOP & WOLF,  
Dodge City, Kansas.

ALLEA COUNTY IMPROVED FARMS \$40.00 and up. Cheapest land in Kansas, rainfall and location considered. Information free. IOIA LAND CO., Iola, Kansas.

### EASTERN KANSAS.

160 a. well improved, can all be plowed, 2 mi. from Richmond, if sold soon \$62.00 per a. Write us, or better come see it.

RICHMOND LAND & LOAN CO.,  
Richmond, Kansas.

WHEAT, alfalfa, sugar beet and ranch lands, in Finney and adjoining counties, at reasonable prices. Shallow water lands a specialty. Write for handsomely illustrated booklet, mailed free. Good trades considered. Maudux & Jessup, Garden City, Kans.

### NORTHEASTERN KAN., \$45 PER ACRE.

If you want to buy a good home or make a paying investment, where corn, clover, bluegrass and staples grow to perfection, write or call on me. Can sell you improved farms for \$45 to \$85 an acre.

ALVA HARDEN,  
Ozawie, Kansas.

YOU'LL LIKE LINN COUNTY, KAN. We have abundant coal, wood, natural gas and good water. The land raises magnificent crops of alfalfa, timothy, clover, bluegrass, oats, corn and wheat, R. F. D. and phone at your door. Price \$20 to \$80 per acre. List free.

A. E. BOOT, Pleasanton, Kan.

FOR FREE INFORMATION about Miami and Linn County land, at the lowest prices on best terms, write or see J. D. KENEAU, La Cygne, Kan.

MIAMI COUNTY—Improved farms \$45 up. Good terms. Cheaper and better than farther west. List free. Carpenter & Peck, Miami County Bank Bldg., Paola, Kan.

FOR SALE—Eastern Kansas black prairie corn, alfalfa and clover farms. Some exchanges. Write today for free list and map. G. T. KINSEY, LeRoy, Kan.

WESTERN AND WEST CENTRAL KANSAS corn, wheat and alfalfa lands, at \$12.50 per acre and up. Write today for new list, mailed free.

FORTEE YOUNG, Great Bend, Kansas.

KIOWA COUNTY, KANSAS. 20,000 acres where wheat, corn and all staple products produce paying crops every year, \$30 and up. Don't write, come quick. Edgar B. Corse, Greensburg, Kan.

FRANKLIN COUNTY, Heart of the corn, clover and bluegrass belt. Prices lower than farther west. New eight-page list free to buyers. Send your name. Princeton Land Co., Princeton, Kan.

KANSAS WHEAT LANDS, and some corn and alfalfa lands, \$8.00 to \$25.00 per acre. Write for information. J. C. Reeve, Garfield, Kansas.

SOUTHEASTERN KANSAS LAND Where corn, wheat, oats and alfalfa produce big crops, at \$40 per acre and up. Oklahoma land, \$12 to \$25 per acre. Write for new list, sent free.

MONARCH REALTY CO.,  
Coffeyville, Kansas.

WRITE FOR FREE LIST JUST OUT of Lyon and Coffey County and Western Kansas lands, for sale or exchange. Send your name today.

COLE & HEDRICK, Hartford, Kan.

### DO YOU KNOW

that you can still buy wheat and alfalfa land in Ford county for \$15.00 an acre and up? List free.

J. E. REESE & CO.,  
Dodge City, Kansas.

GRAY COUNTY WHEAT LANDS that often pay for themselves in one crop, \$10.00 to \$25.00 per acre. Write for full information to

KANSAS LAND CO.,  
Cimarron, Gray County, Kansas.

BUY 200 A. DONIPHAN CO. An ideal 200 acre farm, highly improved, in Doniphan county, where crop failures are unknown. Price \$72 1/2 an acre for quick sale. No trade. Ed. Brown, Real Estate, Troy, Kansas.

GRAY COUNTY, KANSAS, LAND. Drop us a postal asking for descriptive matter and prices on some of our best Gray County bargains at from \$12.50 to \$20 per acre, if you are looking for a home or an investment this will interest you.

F. M. LUTHEB & SONS,  
Cimarron, Kansas.

### NESS COUNTY BARGAIN.

1120 acres 6 miles from Arnold on the Mo. Pac., good 8-room stone house, stone barn 24x60, plenty of good water, 500 acres in cultivation, all good farm land. Price \$17.50 per acre. 5 years time on \$7,000 at 7 per cent if wanted. Write for my printed list.

GEO. P. LOHNES,  
Ness City, Kan.

160 ACRES 2 1/2 MILES FROM HARTFORD, extra well improved, all kinds of fruit, half in cultivation, half in grass, 26 sown to alfalfa, good stand, quick sale \$65 per acre, leave \$2,500 on farm at 5 per cent. 30 page list of bargains free.

HARTFORD REALTY & LOAN CO.,  
Hartford, Kansas.

### FARM BARGAINS.

Big bargains in one of the best 80's in Anderson Co., nice smooth farm, fair improvements, plenty of good water, close to school, K. F. D. and telephone. Price \$4,200. Terms if wanted.

MANSFIELD LAND CO.,  
Ottawa, Kansas.

### 435 ACRE FARM—DIRT CHEAP.

435 acres, 2 to 3 mi. from 6 towns, Linn Co., Kan. Rich soil, small grain, corn and tame grass farms. Improvements worth \$5,000; good repair. All fenced; part hog-tight. A genuine bargain for \$27.00 per a. Large list and detailed description free.

T. O. M. LAND CO., Coffeyville, Kansas.

### FINNEY COUNTY LANDS.

That produce mammoth crops of sugar beets, alfalfa and all staples at reasonable prices on good terms. Prices are advancing rapidly; now is the time to buy. Write for prices, description and full information.

CHARLES D. GORHAM,  
Garden City, Kansas.

## FARM SNAPS

FARMS FOR SALE—Large list, correspondence solicited; ask for list. Desirably located, Thos. Darcey, Real Estate, Offerle, Kansas.

## GREENWOOD COUNTY FARMS

Large 40-page, handsomely illustrated book, containing valuable information and list of 50 farms, mailed free and postpaid. Send your name today.

F. D. STOUTON, Madison, Kan.

### BOURBON COUNTY LAND.

160 acres, 1/2 mile from railroad town; 10 miles from Fort Scott; nearly all can be cultivated; about 80 acres in timothy and clover; fair improvements; orchard and small fruit; plenty of water. Price \$35 per acre.

160 acres 7 miles Fort Scott; good house; fair barn; 80 acres in cultivation; 60 acres prairie meadow; 20 acres pasture; no rock. Price \$40 acre.

Others all sizes.

GEO. N. BAINUM,  
Fort Scott, Kan.

### ANDERSON COUNTY.

320 a., 140 in cultivation, bal. pasture and mow land, good soil and water, seven room house, large barn, cribs etc. Five miles to R. R. Station. Price \$35.00 per a. Terms easy. A snap. Write for full information.

Geo. W. Her & Son, Garnett, Kan.

### YOUR SO CHEAP.

Level 80 a. improved, orchard, close in. \$80 per yr. Gas and Oil rental; \$8,500. 80 a. all first bottom, fertile, improved. Big new barn, orchard, free gas, \$8,200. These are snaps. 40 a. improved, close in. A snap at \$1,600 cash.

B. H. DUNBAR, Tyro, Kansas.

## FORCED SALE

Best located and one of the best farms in Allen county; 480 acres, 2 miles from Iola, \$60 acres under plow, balance in grass. All tillable. Will sell all or divide to suit purchaser. Worth \$85 an acre. Will sell for \$60. Very easy terms. Must sell. Call on or address

THE ALLEN COUNTY INVESTMENT CO.,  
Longton, Kansas.

## SEWARD and STEVENS

Counties corn and wheat land, \$10 to \$25 an acre. Crops often pay for the land in one year. The best investments in Kansas are to be found here. Write for free descriptive literature.

CHAS. MOLTER,  
Liberal, Kansas.

## Meade County Lands For Sale or Exchange

Raw and improved farms and ranches. \$9,000 telephone exchange. Attractive terms on all kinds of property. Call on or address

BOYER & WYATT,  
Flairs, Kansas.

### 320 ACRES unimproved, 8 miles Dodge City, about 100 acres rough, all well grassed, near school, \$2,500.

840 acres, 9 miles Dodge, 5 miles station, fenced, cross-fenced, 320 acres in cult., school on land, running water, fine stock proposition. \$19.00 an acre. Other lands. New list free.

L. L. Taylor & Co., Dodge City, Kan.

## Wheat, Corn, Alfalfa

In Meade, Ford and Clark counties; land \$25 to \$50 an acre. List free. Eugene Williams, Minneola, Kan.

## Clark County Farm

520 acres, small set improvements, 300 in cultivation, 10 miles R. R. town, \$25 per a. Lands for sale in any size tracts to suit purchaser, at low prices.

HALL & CLARK LAND CO.,  
Minneola, Kansas.

## Miami County Land

For free information about eastern Kansas land, where corn, wheat, timothy, clover, bluegrass and all tame grasses grow at \$40 to \$75 per acre, write or see the

PAOLA LAND & LOAN CO.,  
Paola, Kansas.

## HERE YOU ARE

200 acres, 5 miles Williamsburg, new 7-room house, large barn, all necessary outbuildings in good repair, small fruit, 1/2 cultivated, balance could be, \$40 acre. Good terms. Owner old, can't farm it. New list free. SEVERNS & HUTCHISON, Williamsburg, Kan.

### KORN AND CLOVER.

Farm bargains in Eastern Kansas. \$80.00 to \$50.00 per acre. Don't wait to write, but come and see.

HALEY-McMULLEN CO.,  
Mound City, Kan.

160—Neosho Co., Kansas. Fine improvements, black soil, all tillable, close to school, church and R. R. market. Abundance water, tame hay and pasture. This is a fine home. Don't write, come. \$55 per acre. BYRD H. CLARK, Erie, Kansas.

### TREGO COUNTY LAND.

Where prices are advancing rapidly. At low prices, on liberal terms. Near markets, churches and schools. Write for prices and descriptions.

J. I. W. CLOUD, Wakeeney, Kansas.

MEADE, Ford, Clark and Gray county land, \$10 to \$20 an acre; prices advancing rapidly, now is the time to buy. Write for full information. Chas. Schwerdfeger, Fowler, Kan.

### SOUTHEASTERN KANSAS FARMS.

In any size tracts, on liberal terms. How is this: 80 acres good land, well located, small improvements, \$2,500. Send for free list.

Coffeyville, Kansas.

### FOR SALE.

Some fine homes. Best of land in corn, wheat and alfalfa belt. Some excellent stock ranches. Some fine wheat land. Very cheap. Write us.

GARRISON & STUDEBAKER,  
McPherson, Kansas.

### FIELD NOTES.

Bert Garrison Made Good Sale. A. B. Garrison, of Summerfield, Kan., held his annual fall sale of big type Poland Chinas on October 19. The offering was an exceptionally good one, but lacked fitting.

24 boars averaged. . . . . \$26.82  
25 gilts averaged. . . . . 27.25  
39 head averaged. . . . . 27.10  
A list of representative sales follows:

1. Bert Etchinson, Summerfield. \$28.00
2. J. H. Harter, Westmoreland. 47.50
3. E. M. Garrison, Beattie. 30.00
4. Lee Gross, Nodaway, Mo. 30.00
5. H. B. Waler, Effingham. 38.00
6. E. M. Garrison. 32.00
7. R. R. Glasco, Summerfield. 36.00
8. Ezra Smith, Oketo. 46.00
9. Austin Smith, Dwight. 60.00
10. Tom Ryan, Axtell. 27.00
11. Bert Etchinson. 28.00
12. Herman Groninger. 27.00
13. W. R. Webb, Bendena. 27.00
14. J. W. Anderson, Leonardville. 32.50
15. John Finn, Marysville. 32.00
16. Max Rickett, Morrill. 32.00
17. John Manley, Axtell. 28.00

# Kansas Land

### RUSH COUNTY BARGAINS.

Wheat and alfalfa lands in Central Kansas. Improved and unimproved farms at from \$20 to \$50 an acre. Cheap western lands \$6 to \$10 an acre. Write JAS. H. LITTLE, THE RUSH COUNTY LAND MAN, La Crosse, Kansas.

## Finely Improved 300 Acres For Quick Sale

In N. E. Kansas, close to live R. R. town and only a day's drive from St. Joseph. Has fine dwelling house, and barns for large number of horses and cattle. Large silo, water tanks, fine mill, granary and other improvements, on which money has not been spared to make them desirable. All useful and up-to-date in every way. All improvements in excellent condition. Soil is very rich, has been judiciously manured for 26 years, and always well farmed, observing systematic crop rotation. This farm is well watered, has fine walnut timber, with finest bluegrass pastures, alfalfa, timothy and clover meadows. All well fenced. Finest wheat and corn land there is. It is an exceptionally good stock farm, all ready for use, and in a country where crop failure is unknown. A finer farm could hardly be found anywhere. Owner selling on account of old age. No trade can be considered. If you want to arrange to look this over, or have detailed description and location furnished, address at once.

8-29, KANSAS FARMER, Topeka, Kan.

### LOW-PRICED NORTHEASTERN KANSAS LAND.

Produces corn, clover, bluegrass and all staple crops in big yields. We can sell you improved farms here for \$40 to \$50 per acre. Have some good exchanges. Write for full information. The Owl Land Agency, Ozawie, Kansas.

### CORN, BLUEGRASS AND ALFALFA LANDS.

In Northern Kansas, where crops never fail. Improved farms \$65 per acre and up. Prices rapidly advancing. Now is the time to buy. Write for full information. F. A. LAKE, Ozawie, Kansas.

### NORTHEASTERN KANSAS.

The best agricultural section of Kansas. Wheat, corn, alfalfa, tame hay, potatoes and fruit are making our farmers rich. Land \$25 up. Big list to select from. Write for full information. E. L. HORTH, Centralia, Kansas.

100 ACRES, 11 miles Plains, 11 miles Jasper, both good shipping points, level roads; perfect quarter of buffalo grass land. Price \$18 an acre; terms. No adjoining lands can be bought for less than \$15 an acre. Other bargains. FULLINGTON & MARRS, Meade, Kansas.

### FARMS AND RANCHES

In Greenwood county, the best known county in Kansas, where corn, clover and bluegrass grow to perfection. We own and control much land here, and will suit you. WICKER & MARSHALL, Madison, Kansas.

### FORD COUNTY LANDS.

\$15.00 an acre and up on good terms. Lands in Grant and Kearney counties, \$10.00 and up. Good trades considered. If you want to double your money soon, buy quick, before prices advance. WATKINS & STANSBURG, Dodge City, Kan.

LINN, Anderson and Bourbon County farms, \$25.00 to \$75.00 per acre. Best bargains in Kansas. Write for full information. E. A. BARNES, Blue Mound, Kan.

FOR SALE 480-ACRE IMPROVED FARM. Suite 3, Prudential Bldg., Topeka, Kansas.

IMPROVED FARMS in S. W. Kansas and N. W. Oklahoma, \$10 to \$25 per acre. Write Moore & Falls, Liberal, Kan.

HOW IS THIS? A few quarters good land in Stanton Co., Kan., lays nice, good soil. Close to the Artesian Belt on new R. R. survey. Bonds voted. Price for short time \$1,200 each; can carry half at 7 per cent. See what a little money will do. Address H. M. Davis Realty Co., Greensburg, Kan.

### KIOWA COUNTY LANDS

At \$20 per acre and up with liberal terms, where all staples produce abundantly. We have better corn right now than you have in your \$150 land. Descriptive literature free. THE WAYNE LAND CO., Greensburg, Kan.

### Selecting the Breed.

(Continued from page 7.)

have one disadvantage which some farmers consider enough to keep them off the farm; they are exceedingly nervous and suffer under confinement.

The meat breeds are made up of the Cochins, Brahmas and Langshans. The Cochins used to be an excellent table fowl but for several generations they have been bred for feathers and the result is the utility qualities have been greatly impaired. Certain strains of this breed have been known to lay as low as 25 eggs a year. The Brahmas are excellent table fowls and in certain eastern localities are raised extensively for soft roasters. They lay as a rule comparatively few eggs but certain strains have been developed for egg production which lay enough eggs to be profitable. The Langshans do not enjoy the popularity of the Brahmas as a meat type, but are about equal to them in egg production. One feature

160 ACRES 2 1/2 miles of town and in good country. Good house, good barn, some other outbuildings and a good orchard. 100 acres in cultivation and the balance in mow land and pasture. Can sell this at \$50.00. O. L. HOLLAND, Goff, Kan.

### OUR SPECIALTY.

Buy, sell or exchange all kinds of property. Send for list of good farms, at low prices. SPOHN BROS., Garnett, Kansas.

### 640 ACRES

Ten miles from county seat, 500 acres smooth tillable land, 180 acres in cultivation and in wheat, rent share to purchaser; 320 acres second bottom alfalfa land, soil deep black sandy loam, shallow to water. Price \$15 per acre. Write quick. MAIRS & SCHILLING, Kinsley, Kan.

### \$5000 BUYS GOOL ALFALFA 160.

Just listed above. Alfalfa has been grown on adjoining farm 11 years; some on this now. Place is well fenced, good six room house, stable and outbuildings, lays fine, rich black and dark loam soil. 125 acres under plow, 2 1/2 miles from this city. \$2200 cash buys it; \$2400 can be carried four years. DONAHUE & WALLINGFORD, Mound Valley, Kansas.

### EXTRA SPECIAL IN FORD COUNTY LANDS.

Seven sections fine wheat land, in a solid body, close to Spearville, for sale for \$25 to \$60 per acre. Write quick. SMITH & BARTZ, Sole Agents Spearville, Kansas.

### CHEAP 160 ACRES.

4 1/2 miles to Waverly, new 3 room house, stable, 80 a. of it in cultivation, balance in pasture and new land. This is good new land. Can be handled with \$2,000. Price \$55 an acre. Write for new list. RILEY & GOUDY, Waverly, Kansas.

## 85 MILES SOUTH OF KANSAS CITY

350 acres, 1 1/2 miles from good town on M. & T., all level, no stone, plenty of fruit and water, improved 260 acres in cultivation, balance prairie meadow. Price \$45.00 per acre. Worth \$55 today. Write quick. Other farms. S. S. IRWIN, Kincaid, Kan.

### JOHN W. BAUGHMAN

Prices \$10 to \$50. Terms: 1-10 down, bal. 1-10 monthly. Good level, well located lots, in rapidly growing town. Best lot proposition ever offered. Sure profits. To get the choicest locations write today. PLAINS TOWN LOTS

WHEAT? WELL, YES—320 acres of nice smooth land all fenced, 200 acres in cultivation, balance in good grass; rich soil; can all be farmed; good water. Price only \$16 per acre; good terms. Big list free. 100 choice wheat farms around Spearville, Kan., Arkansas Valley. Heart of wheat belt. Address Stinson & Sheldon, Spearville, Kansas.

160 ACRE FARM on the line of survey; 40 acres in cultivation and sown to wheat; 1/4 goes to buyer. Land all tillable and of dark sandy loam, surface rolling. This farm must sell in the next 30 days and is priced to sell at \$7 per acre. Write for particulars. The Fidelity Land & Trust Co., Meade, Kansas.

### WESTERN LANDS

For sale and trade. List free. See us for homes or investment. MCNINCH & WEST, Ransom, Ness Co., Kan.

Plymouth Rock could be bred for high egg production and transmit these qualities to their offspring. About 25 birds were selected for the experiment. One of these, hen 798, laid 200 eggs from January 1 to September 5, a total of eight months. The packing companies which annually buy and pack immense quantities of poultry have a decided preference for the Plymouth Rock.

The White Wyandottes are very popular and differ essentially from the Rocks in being a pound lighter in weight and more blocky in form. The Rhode Island Reds have nearly the same shape as the Plymouth Rocks but weigh the same as the Wyandottes. For meat purposes the Wyandottes excel the Rhode Island Reds, but the Kansas farmers find the Rhode Island Reds to be the best winter layers.

Another breed which deserves mention at this time is the Orpington. They weigh nearly the same as the Plymouth Rock and are very similar in shape and other characteristics. The main differences and ones which have prevented more rapid development of this breed are the white skin and shanks. This practically bars the bird as a market fowl in this country although it is very popular in England. They are exceptionally good winter layers.

From the foregoing the reader can readily see that the truly profitable breeds can be counted on the fingers of one hand. The Barred Rock is without question placed first in the minds of the Kansas farmer with the White Rock, White Wyandottes, and Rhode Island Red and White Orpington close seconds. Of the egg breeds, the White Leghorn takes the lead with the Brown Leghorn second. In this short discussion no account has been taken of certain fancy varieties or vari-colored birds. The reason for this is, that as a rule, it will not pay the farmer to breed them. They have some peculiarities, perhaps some weakness which has not made them popular. The fact that the varieties emphasized are popular, is a sufficient recommendation of their merits. Remember that the more extensive and the longer a breed is bred, the stronger and more inherent become its characteristics. The fact that the Barred Rock originated on the farm and has been bred there for generations makes it essentially a farm breed.

### A FEW POINTERS.

Select a breed popular in your locality.

Buy your stock from some one who has bred the same variety for several years. He will understand the breed.

It is often cheaper to adopt the breed to suit the conditions, than to change the conditions to suit the breed.

Keep pure bred stock. It costs no more to feed and care for it, and there is a satisfaction that is impossible with mongrel stock.

It is easier and cheaper to produce uniform white eggs than brown eggs of the same shade of brown.

Buy hens at the start. It is cheaper in the long run. Start in the fall when breeders desire to sell hens to make room for the pullets.—F. S. Jacoby, Poultry Division, Kansas State Agricultural College.

### FIELD NOTES.

Nevis Sells November 11. On Nov. 11 C. S. Nevis of Chiles, Kan., will sell a draft of his famous "Designer kind" of Poland Chinas. Most of the offering will be bred by Designer, Major Look and Columbia Expansion. Don't fail to read ad in this issue and send for a catalog. Nevis never sells hogs high, but he sells the good, useful, breeding kind. They make good and prove out satisfactory to the purchaser.

J. W. Barnhart's Percherons Average \$372. The Percheron sale of J. W. Barnhart, held on Oct. 10, was well attended and the prices received were good, considering most all the offering was very young, mostly yearlings and 2-year-olds. The aged mares sold below their real value. The 6-year-old mare, Gresette No. 40869 and No. 18 in the catalog, was the real bargain of the sale. She sold sound and safe in one of her 4410. A little later in the sale one of her 2-year-old stud colts sold for \$630. About one-half of the offering was bought by Kansas buyers, Missouri and Arkansas taking the other half. Following is report of all the horses sold that were cataloged. A few grade horses were sold that were not cataloged: No. 1—J. B. Ring, Louisburg, Kan., \$410. No. 2—C. A. Chambers, Butler, Mo., \$275. No. 3—H. L. Harvey, Kincaid, Kan., \$295. No. 7—W. M. Guy, Eurie, Mo., \$350. No. 8—J. B. Thompson, West Plains, Mo., \$630. No. 8 1/2—J. R. Baum, Butler, Mo., \$630. No. 10—H. W. Rains, Cabool, Mo., \$400. No. 12—W. T. Mills, Marshall, Ark., \$245. No. 13—A. C. Miller, Mildred, Kan., \$295. No. 15—A. C. Miller, Mildred, Kan., \$305. No. 16—E. M. Helms, Colony, Kan., \$320. No. 18—Ed. Armergest, Girard, Kan., \$410. No. 19—J. A. Aiken, Rantoul, Kan., \$575. No. 20—H. W. Rains, Cabool, Mo., \$400. No. 24—E. M. Helms, Colony, Kan., \$320. No. 25—J. B. Thompson, Butler, Mo., \$180.

No. 26—Chas. Henry, Butler, Mo., \$175. No. 28—Jacob Ruman, Olathe, Kan., \$430. No. 31—R. N. Montgomery, Butler, Mo., \$525. No. 32—W. M. Miller, Butler, Mo., \$360. Total, \$7,440 (average, \$372).

T. J. Dawe & Sons Make Good Sale. T. J. Dawe & Sons' sale held at Troy, Kan., Oct. 14, was well attended by farmers and breeders from Kansas and Missouri. The sensation of the sale was the much talked of Colored Over Pan litter containing three gilts and three males. This litter sold for a total of \$454.50, the top boar of the litter going to Frank L. Bradford, Fairfax, Mo. Second choice of the boars to H. J. Griffiths, Clay Center, Kan., for \$91. Seventeen boars averaged \$40.79. Forty-four head males and females averaged \$34.23. Following is a partial list of sales: No. 1—George Morehead, Highland, Kan., \$30. No. 2—George Willimith, Troy, \$40. No. 3—W. C. Singer, Hiawatha, Kan., \$25. No. 4—H. C. Graner, Lancaster, Kan., \$25. No. 5—Frank L. Bradford, Fairfax, Mo., \$115. No. 7—H. J. Griffiths, Clay Center, Kan., \$91. No. 8—M. C. Vansel, Muscotah, Kan., \$87.50. No. 9—J. H. Harter, Westmoreland, Kan., \$61. No. 10—M. C. Vansel, Muscotah, Kan., \$60. No. 11—M. C. Vansel, Muscotah, Kan., \$60. No. 13—Wm. Euhler, Troy, Kan., \$34. No. 17—Rudolph Johnson, Bendena, Kan., \$40. No. 18—J. S. Hackney, Troy, Kan., \$30. No. 27—L. B. Howard, Troy, Kan., \$30. No. 29—L. B. Howard, Bendena, Kan., \$17. No. 25—Otis Lloyd, Bendena, Kan., \$28. No. 34—W. R. Webb, Bendena, Kan., \$28. No. 43—L. B. Jackson, Troy, Kan., \$28. No. 50—L. B. Howard, Troy, Kan., \$40. No. 52—Herman Groninger & Sons, Bendena, Kan., \$39.

J. B. Whipple's Sale. J. B. Whipple's fall sale, held at Falls City, Neb., Oct. 15, was well attended by buyers from Kansas, Nebraska and Missouri. The offering was a good one and fairly well appreciated. The fall gilts were good and would have brought more money had they been sold open instead of being bred. Jacob Glass of Reserve, Kan., topped the boar sale, paying \$45 for No. 20. The top gilt brought \$33, going to Harmon Cooper, of Rockport, Mo. Sixty head, about half of which were males, averaged \$27.14. Following is a list of the best sales: No. 1—Wm. Earl, Humboldt, Mo., \$36. No. 2—Wm. Hoppe, Stella, Neb., \$40. No. 3—Wm. Luhrs, Rockport, Mo., \$35. No. 5—Henry Fowler, Falls City, Neb., \$28. No. 6—Mat McMahon, Falls City, Neb., \$28. No. 9—Mat Keeg, Verdon, Neb., \$26. No. 10—W. L. Welkel, Stella, Neb., \$31. No. 11—Henry Culman, Barada, Neb., \$30. No. 12—Ernest Kuhlman, Barada, Neb., \$30. No. 15—Harmon Cooper, Rockport, Mo., \$33. No. 20—Jacob Glass, Reserve, Kan., \$45. No. 22—Amos Rears, Stella, Neb., \$34. No. 28—A. H. Krumme, Arapahoe, Neb., \$31. No. 29—L. H. Luhrs, Rockport, Mo., \$27. No. 30—H. C. Grainer, Lancaster, Kan., \$30. No. 37—Long Bros., Falls City, Neb., \$27. No. 48—H. C. Grainer, Lancaster, Kan., \$33. No. 49—J. H. Harter, Westmoreland, Kan., \$31. No. 51—Henry Fritz, Falls City, Neb., \$29. No. 54—A. M. Babb, Humboldt, Neb., \$37. No. 57—Chas. Vandoren, Fairview, Kan., \$45. Sow, \$40; sow, \$49; sow, \$42.

Roy Johnston Makes Good Sale. On Thursday, Oct. 20, 1916, Roy Johnston of South Mound, Kan., made another record-breaking sale. Sixty-eight head of spring pigs, mostly March and April farrow, sold for a total of \$2,542.50. This is considered one of the best sales held this year. The sale was well attended by breeders from Kansas, Oklahoma and Missouri. The sale was conducted by the well known auctioneers, F. J. Zaun, James W. Sparks and R. L. Harriman. They all three seemed at their best and at no time did the sale lack for interest. Following is a report in full: No. 1. R. P. Sear, Erie, Kan., \$51. No. 2. W. H. Charters, Butler, Mo., \$75. No. 3. S. N. Hodgson & Sons, Parker, Kan., \$71. No. 4. Falk Bros., Richmond, Kan., \$105. No. 5. J. A. Gables, Culver, Kan., \$95. No. 6. W. B. Wallace, Buncheon, Mo., \$47. No. 7. H. Hohenstein, Chelsea, Okla., \$65. No. 8. G. E. Lee, Pratt, Kan., \$55. No. 9. C. B. Palmer, Uniontown, Kan., \$75. No. 10. J. W. Gill, Cherryvale, Kan., \$31. No. 11. L. J. Conrad, Walnut, Kan., \$65. No. 12. J. A. Gravin, St. Paul, Kan., \$32. No. 13. H. Hohenstein, \$35. No. 14. J. Gleason, Euflava, Okla., \$40. No. 15. T. H. Pelphrey, Humboldt, Kan., \$25. No. 16. J. W. Pelphrey, Chanute, Kan., \$30. No. 17. Joseph Balmer, St. Paul, Kan., \$27.50. No. 18. J. H. Harter, Westmoreland, Kan., \$35. No. 19. R. W. Phelps, Chanute, Kan., \$32.50. No. 20. Fat Disken, Walnut, Kan., \$30. No. 21. S. Wagener, St. Paul, Kan., \$19. No. 22. A. J. Erhart & Sons, Adrian, Mo., \$40. No. 23. G. M. Hull, Garnett, Kan., \$39. No. 24. Albert Cuthbertson, Girard, Kan., \$27.50. No. 25. H. Hohenstein, \$35. No. 26. P. M. Bramer, South Mound, Kan., \$48. No. 27. B. Johnson, St. Paul, Kan., \$60. No. 28. Frank Cook, St. Paul, Kan., \$31. No. 29. H. Hohenstein, \$30. No. 30. H. Hohenstein, \$30. No. 31. H. Hohenstein, \$25. No. 32. R. P. Sear, \$46. No. 33. J. W. Pelphrey, \$26. No. 34. T. J. Gleason, \$40. No. 35. G. F. Bremer, Culver, Kan., \$45. No. 36. J. M. Ross, Valley Falls, Kan., \$38. No. 37. H. Hohenstein, \$30. No. 38. Detrich & Spaulding, Ottawa, Kan., \$60. No. 39. H. Hohenstein, \$32.50. No. 40. H. Hohenstein, \$36. No. 41. W. H. Charters, \$38. No. 42. H. Hohenstein, \$30. No. 43. T. R. Kelly, South Mound, Kan., \$45. No. 44. W. L. Koons, Erie, Kan., \$25. No. 45. W. E. Long, Ozawie, Kan., \$32.50. No. 46. H. F. Pelphrey, \$31. No. 47. H. F. Pelphrey, \$25. No. 48. R. W. Phelps, \$30. No. 49. H. F. Pelphrey, \$25. No. 50. H. Hohenstein, \$55. No. 51. G. F. Bramer, \$41. No. 52. J. W. Pelphrey, \$19. No. 53. J. C. Lock, South Mound, Kan., \$22. No. 54. J. W. Pelphrey, \$17. No. 55. D. H. Pike, Erie, Kan., \$26. No. 56. Tom Long, St. Paul, Kan., \$24. No. 57. D. H. Pike, \$19. No. 58. T. J. Cravin, \$18. No. 59. H. Hohenstein, \$18. No. 60. H. Hohenstein, \$30. No. 61. W. R. Williams, Ozark, Mo., \$30. No. 62. H. F. Pelphrey, \$28. No. 63. W. A. Baker, Butler, Mo., \$35. No. 64. R. W. Phelps, Chanute, Kan., \$30. No. 65. James Barnhart, St. Paul, Kan., \$25. No. 66. Albert Cuthbertson, Girard, Kan., \$25. No. 67. Albert Cuthbertson, Girard, Kan., \$25. No. 68. W. W. Crandon, \$35. No. 69. W. R. Williams, \$24. (Continued on page 22.)

**EMPIRE BUILDERS**

ing engineers—men you could turn loose absolutely and trust implicitly? I'm putting this up to you because the Plug Mountain exile has taken me a bit out of touch."

"Why—yes," said Frisbie, taking time to call the mental roll. "There are Major Benson and his son Jack—you know 'em both—just in off their job in the Selkirks. Then there is Roy Brissac; he'd be a pretty good man in the field; and Chauncey Leckhard, of my class,—he's got a job in Winnipeg, but he'll come if I ask him to, and he is the best office man I know. But what on earth are you driving at, Stuart?"

Ford cleared his pipe of the ash and refilled it.

"I'll go into the details with you a little later. We shall have plenty of time during the next month or six weeks, and, incidentally, a good bit more privacy. The thing I'm trying to figure out will burst like a bubble if it gets itself made public too soon, and"—lowering his voice—"I can't trust my office force here. Savez?"

"I savez nothing as yet," laughed the new supervisor, "but perhaps I shall if you'll tell me what is going to happen in the next month or six weeks."

"I'm coming to that, right now. How would you like to take a hunting trip over on the wilderness side of the range? There are big woods and big game."

Frisbie grinned. He was a little man, with sharp black eyes shaded by the heaviest of black brows, and it was his notion to trim his mustaches and beard after the fashion set by the third Napoleon and imitated faithfully by those who sing the part of Mephistopheles in Faust. Hence, his grin was handsomely diabolic.

"You needn't ask me what I'd like; you just tell me what you want me to do," he rejoined, with clansman loyalty.

"So I will," said Ford, taking the reins of authority. "We leave here to-morrow morning for a trip over the Pass and down the Pannikin on the other side, and if anybody asks you why, you can say that we expect to kill a deer or two, and possibly a bear. Your part of the outfitting, however, is to pack your surveying instruments on the burro saddles so they'll pass for grub-boxes, tent-poles, and the like."

"Call it done," said Frisbie. "But why all this stage play? Can't you anticipate that much without endangering your bubble?"

Ford lowered his voice again. "I gave you the hint, Penfield, my chief clerk—his desk is just on the other side of that partition—is an ex-main-line man, moved upon me when I didn't want him. He was General Manager North's stenographer. For reasons which will be apparent to you a little later on, I want to blow my bubble in my own way; or, to change the figure, I'd like to fire the first volley myself."

Frisbie's grin was rather more than less diabolic.

"Then I'd begin by firing Mr. Penfield, himself," he remarked.

"No, you wouldn't," said Ford. "There are going to be obstacles enough in the way without slapping Mr. North in the face as a preliminary. Under the circumstances, he'd take it that way; Penfield would make sure that he took it that way."

It was at this point in the low-toned conference that the ingenious young man in the outer office put down the desk telephone ear-piece long enough to smite with his fist at some air-drawn antagonist. Curiosity was this young man's capital weakness, and he had tinkered the wires of the private telephone system so that the flicking of a switch made him an auditor at any conversation carried on in the private office. He was listening intently and eagerly again when Ford said, still in the same guarded tone:

"No, I can't fire Penfield, and I don't particularly want to. He is a good office man, and loyal to his salt; it's my misfortune that it is Mr. North's salt-cellar, and not mine, that he dips into. Besides, I'd have trouble in replacing him. Saint's Rest isn't exactly the paradise its name implies—for a clean-cut, well-mannered young fellow with social leanings."

"Now, what in the mischief does all that mean?" mused the chief clerk, when Ford and his new track man had gone out. "A month's hunting trip over the range, with the surveying instruments taken along. And last summer Mr. Ford spent a good part of his time over there—also hunting, so he said. Confound it all! I wish I could get into that private drawer of his in the safe. That would tell the story. I wonder if Pacheco couldn't make himself an errand over the Pass in the morning? By George!" slapping his thigh and anostrophizing the superintendent. "I'll just go you once, Mr. Ford, if I lose!"

Now the fruit, of which this little soliloquy was the opening blossom, matured on the second day after Ford and Frisbie had started out on the mysterious hunting trip across the range. Pacheco, the half-breed Mexican who freighted provisions by jack train to the mining-camps on the head waters of the Pannikin, came in to report to the chief clerk.

"Well, Cheo, what did you find out?" was the curt inquiry.

The half-breed spread his palms. "Wat I see, I know. Dey'll not gone for hunt much. One day out, dey'll make-a da camp and go for squint trough spy-glass, so"—making an imaginary transit telescope of his hands. "Den dey'll measure h-on da groun' and squint some more, so."

Penfield nodded and a gold piece changed hands silently.

"That's all, Cheo; much obliged. Don't say anything about this over in the camp. Mr. Ford said he was going hunting, and that's what we'll say, if anybody asks us."

That night the chief clerk sent a

brief cipher telegram to the general manager at Denver.

"Ford and his new track supervisor, who is really a high-priced constructing engineer, gone over the range for a month's absence. Gave it out here that they were going after big game but they took a transit and are picking up the line of the old S. L. & W. extension in the upper Pannikin."

It was late in the month of June when Ford and Frisbie, tanned, weathered and as gaunt as pioneers, returned to Saint's Rest; and for those who were curious enough to be interested, there were a couple of bearskins and one of a mountain lion to make good the ostensible object of the absence.

But the most important trophies of the excursion were two engineers' note-books, well filled with memoranda; and these they did not exhibit. On the contrary, they became a part of the collection of maps, statistics, estimates and private correspondence which Chief Clerk Penfield was so anxious to examine, and which Ford kept under lock and key when he and Frisbie were not poring over some portion of it in the seclusion of the private office.

None the less, Penfield kept his eyes and ears open, and before long he had another detail to report by cipher telegram to the general manager. Ford was evidently preparing for another absence, and from what the chief clerk could overhear, he was led to believe that the pseudo supervisor of track would be left in charge of Plug Mountain affairs.

It was on the day before Ford's departure for Denver that a letter came from General Manager North. Ford read it with a scowl of disapproval and tossed it across the double desk to Frisbie.

"A polite invitation for me to stay at home and to attend to my business," he commented.

"Had you written him that you were going away?" inquired Frisbie.

"No; but evidently somebody else has."

Frisbie read the letter again.

"So that all heads of Departments may be on duty when the president makes his annual inspection trip over the lines," he quoted. "Is Mr. Colbrith coming out this early in the summer?"

"No, of course not. He never comes before August."

"Then this is only a trumped-up excuse to make you stay here?"

"That's all," Ford replied laconically.

Mr. Richard Frisbie got up and walked twice the length of the little room before he said:

"This Denver gentleman is going to knock your little scheme into a cocked hat, if he can, Stuart."

"I am very much afraid we'll have to reckon upon that, as a matter of fact, I've been reckoning upon it all along."

"How much of a pull has he with the New York money-people?"

"I don't know that; I wish I did. It would simplify matters somewhat."

Frisbie took another turn up and down the room, with his head down and his hands in his pockets.

"Stuart, I believe if I were in your place, I'd enlist Mr. North, if I had to make it an object for him," he said, at length.

"Certainly, I mean to go to him first," said Ford. "That is his due. But I am counting upon opposition rather than help. Wait a minute"—he jerked the door open suddenly and made sure that the chief clerk's chair was unoccupied. "The worst of it is that I don't trust North," he went on. "He is a grafter in small ways, and he'd sell me out in a minute if he felt like it and could see any chance of making capital for himself."

"Then don't go to him with your scheme," urged Frisbie. "If you enlist him, you won't be sure of him; and if you don't, you'll merely leave an active opponent behind you instead of a passive one."

"I guess you're right, Dick; but I'll have to be governed by conditions as I find them. Aside from North's influence with Mr. Colbrith, which is considerable, I believe, he can't do much to help. But he can do a tremendous lot to hinder. I think I shall try to choke him with butter, if I can."

Notwithstanding the general manager's letter, Ford took the train for Denver the following morning, and the chief clerk remarked that he checked a small steamer trunk in addition to his hand baggage.

"Going to be gone some time, Mr. Ford?" he asked, when he brought the night mail down for the superintendent to look over.

"Yes," said Ford absently.

"You'll let me know where to reach you from time to time, I suppose?" ventured Penfield.

Ford looked up quickly.

"It won't be necessary. You can handle the office work as you have heretofore, and Mr. Frisbie will have full charge out of doors."

Penfield looked a little crestfallen.

"Am I to take orders from Mr. Frisbie?" he asked, as one determined to know the worst.

"Just the same as you would from me," said the superintendent, swinging up to the step of the moving car. And the chief clerk went back to his office busily concocting another cipher message to the general manager.

On the way down the canyon Ford was saying to himself that he was now fairly committed to the scheme over which he had spent so many toilsome days and sleepless nights, and that he would have it out with Mr. North to a fighting conclusion before he slept.

But a freight wreck got in the way while the down passenger train was measuring the final third of the distance, and it was long after office hours in the Pacific Southwestern headquarters when Ford reached Denver.

By consequence, the crucial interview with the general manager had to be postponed; and the enthusiast was chafing at this ill luck when he went

to his hotel—chafing and saying hard words, for the waiting had been long, and now that the psychologic moment had arrived, delays were intolerable.

Now it sometimes happens that seeming misfortunes are only blessings in disguise. When Ford entered the hotel cafe to eat his belated dinner, he saw Evans, the P. S-W. auditor, sitting alone at a table-for-two. He crossed the room quickly and shook hands with the man he had meant to interview either before or after the meeting with North.

It was after they had chatted comfortably through to the coffee that the auditor said, blandly: "What are you down for, Ford?—anything special?"

"Yes, I am down to get leave of absence to go East," said Ford warily.

"But that isn't all," was the quiet rejoinder. "In fact, it's only the non-committal item that you'd give to a Rocky Mountain News reporter."

Ford was impatient of diplomatic methods when there was no occasion for them.

"Give it a name," he said bluntly. "What do you think you know, Evans?"

The auditor smiled.

"There is a leak in your office up at Saint's Rest, I'm afraid. What sort of a bombshell are you fixing to fire at Mr. North?"

"Tell me what you know, and perhaps I can piece it out for you?"

"I'll tell you what Mr. North knows—which will be more to the purpose, perhaps. For a year or more you have been figuring on some kind of a scheme to pull the company's financial leg in behalf of your good-for-nothing narrow gauge. A month ago, for example, you went all over the old survey on the other side of the mountains and verified the original S. L. & W. preliminaries and rights-of-way on its proposed extension."

Ford's eyes narrowed. He was thinking of the warning letter he would have to write to Frisbie. But what he said was:

"I'd like to know how the dickens you guessed all that. But no matter; supposing I did?"

"It's no good," said the auditor, shaking his head. "I'm talking as a friend, North doesn't like you, personally; and if he did, you couldn't persuade him to recommend anything in the way of an experiment on the Plug Mountain. So far from extending your two-by-four branch—if that is what you have in mind—he'd be much more likely to counsel its abandonment, if the charter didn't require us to keep it going."

Ford found a cigar for the auditor, and lighted one for himself.

"From all of which I infer that the semiannual report of the Pacific Southwestern is going to be a pretty bad one," he said, with carefully assumed indifference.

Evans regarded him shrewdly. "Are you guessing at that? Or is there a leak at our end of the line as well as at yours?"

"Oh, it's a guess," laughed Ford.

"Call it that, anyhow. At least, I haven't any of your confidential clerks in my pay. But just how bad is the report going to be?"

The auditor shook his head.

"Worse than the last one. Perhaps you have noticed that the stock has dropped six points in the past week. You're one of the official family; I don't mind telling you that we are in the nine-hole, Ford."

"Of course we are," said Ford, with calm conviction. "That much is pretty evident to a man who merely reads the Wall Street news bulletins. What is the matter with us—specifically, I mean?"

Evans shrugged. "Are you a division superintendent on the system and don't know?" he demanded. "We are too short at both ends. With our eastern terminal only half-way to Chicago, we can't control the east-bound grain which grows on our own line; and with the other end stopping short here at Denver, we can't bid for west-bound transcontinental business. It's as simple as twice two. Our competitors catch us going and coming."

"Precisely. And if we don't get relief?"

The auditor smiled grimly.

"As I've said, you're one of us, Ford, and I don't mind speaking freely to you. A receivership is looming in the distance, and the not very dim distance, for the P. S-W."

"I thought so. How near is it?"

"I don't know—nobody knows definitely. If we had a man of resources at the head of things—as we have not—it might be stood off for another six months."

"I'm on the way to stand it off permanently, if I can get any backing," said Ford quietly.

"You!" was the astonished reply.

"Yes, I. Listen, Evans. For two years I have been buried up yonder in the hills, with not enough to do in the summer season to keep me out of mischief. I am rather fond of mathematics, and I am telling you I have this thing figured out to the fourth decimal. If President Colbrith and his associates can be made to see that the multiplication of two by two gives an invariable resultant of four, there will be no receivership for the P. S-W. this year, or next."

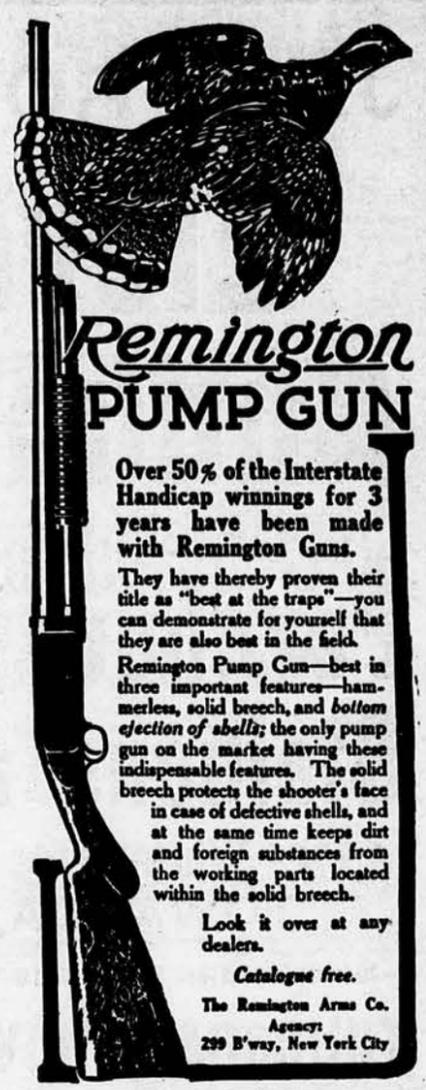
"Show me," said the auditor.

Ford hesitated for a moment. Then he took a pocket of papers, estimates, exhibits and fine-lined engineers' maps from his pocket and tossed it across the table.

"That is for you, personally—for David Evans; not for the P. S-W. auditor. You've got to keep it to yourself."

The auditor went through the papers carefully, shifting his cigar slowly from one corner of his mouth to the other as he read and examined. When he handed them back he was shaking his head, almost mournfully.

"It's a big thing, Ford; the biggest kind of a thing. And it is beautifully



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worked out. But I know our people, here and in New York. They will simply give you the cold stare and say that you are crazy."

"Because it can't be financed?"

"Because it doesn't come from Hill or Harriman or Morgan, or some other one of the big captains. You'll never be able to stand it upon its feet by your single-handed lonesome."

Ford set his teeth, and his clean-cut face seemed to grow suddenly older and harder as the man in him came to the fore.

"By heavens! if I put my back under it, it's got to stand upon its feet! I'm not going into it with the idea that there is any such thing in the book as failure."

The auditor looked darkly into the cool gray eyes of the man facing him.

"Then let me give you a word of advice before you start in. Skip North, absolutely; don't breathe a word of it to him. Don't ask me why; but do as I say. And another thing: drop into my office to-morrow before you leave. I'll show you some figures that may help you to stir things up properly at the New York end. Do you go direct from here?"

"No; I shall have to stop over a few days in Chicago. I know pretty well where to put my hands on what I need; I have laid the foundations from the bottom up by correspondence. But I want to go over the situation on the ground before I make my grand-stand play before Mr. Colbrith and the board of directors."

"Well, come in and get the figures, anyway; come to the private door of my office and rap three times. It will be just as well if it isn't generally known that you are confabbing with me. Our semiannual report will probably be in New York ahead of you, but it won't hurt if you have the information to work with." Evans was pushing his chair from the table when he added: "By the way, you happened upon the exact psychological moment to make your raid; the report comes out, and things going to the dogs generally."

Ford's laugh was genially shrewd.

"Perhaps it wasn't so much of a happening as it appears. Didn't I tell you that I had figured this thing out to the fourth decimal place? Psychological moments are bigger arguments than dollars and cents, sometimes."

The auditor had taken his hat from the waiter and was shaking hands with his dinner companion.

"I'd like to believe you're a winner, Ford; you deserve to be. Come and see me—and make your call upon Mr. North as brief as possible. He'll probe you if you don't."

This was how it came about that the next morning, when Ford went to call upon the tall, heavy-faced, big-bodied man who sat behind the glass door lettered "General Manager, Private,"—this after half an hour spent in Auditor Evans' private office,—it was only to ask for leave of absence to go East—on business of a personal nature, he explained, when Mr. North was curious enough to ask his object.

(To be continued next week.)

A pretty girl was lavishing a lot of affection on a big mastiff, and a very soft young man, who was watching her, remarked, "I wish I were a dog."

"Don't worry," replied the fair one, "you'll grow."

# J. C. ROBISON'S

# Eleventh Annual Sale

OF 60 REGISTERED

# Percheron Mares, Stallions and Colts

At the Whitewater Falls Stock Farm  
TOWANDA, KANSAS

Sale held in new sale pavilion on the farm

**THURSDAY, NOV. 10TH, 1910**

**12:30 P. M.**

AUCTIONEERS—R. L. Harriman, J. D. Snyder, W. M. Arnold, L. E. Fife.  
Send for catalog.



## ROBISON'S

FALL SALE NOV. 10, 1910

Percherons, all ages  
For Sale Now

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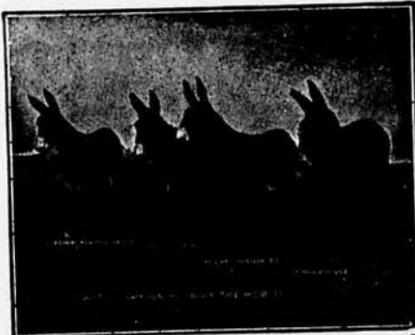
IMPORTERS AND BREEDERS.

## Percherons Shires & Belgians

75—HEAD MARES AND STALLIONS—75

We won more prizes at Kansas State Fair than any one exhibitor, which proves the quality of our horses. Just one word with you, Mr. Buyer: If you will come and inspect our horses and if you don't say that we have as good a bunch as you ever inspected, and our prices the lowest, considering quality, we will be glad to pay your expenses. Write or come and see us before buying elsewhere, for we will save you money.

L. R. WILEY & SONS  
ELMDALE, CHASE CO., KANSAS.



## Limestone Valley Farm

—Headquarters for high class jacks and jennets. No public sale 1911, but have a barn full of good jacks and a pasture full of good jennets at private sale. Every animal a good one, fully guaranteed and well worth the price.

COME AND SEE US.

L. M. MONSEES & SONS,  
Smithton, Mo., Pettie Co.

## Eighteen Registered Kentucky Mammoth Jacks

We are going to ship eighteen of the biggest and best Jacks to Kansas that we have ever shipped in the past seven years, about December 1. We will locate in Wichita or some other good town within a hundred miles. All of these Jacks but four were bred and grown on our Lincoln county farm. They are from 15 to 18 hands, 2 to 5 years old. Nobody has ever seen as good a load of workers. Write for circular or come to see them when they arrive.

J. F. COOK & CO.

Lexington

Kentucky

## DUNHAMS' PERCHERONS

Fourth importation for 1910 arrived August 4th. Our present lot, we believe, equals or surpasses any we have heretofore collected. More horse of bone, size and first-class quality than ever. Numerous important prize winners. Write for catalogue.

W. S., J. B. & B. DUNHAM, Wayne, Illinois.

## W. H. RICHARDS, Importer



A car load of extra good two and three-year-old Belgian and Percheron Stallions just arrived, August 17th. Attractive prices will be given on them now to buyers so they can make a fall season.

Barns only four blocks from A. T. & S. F. depot.  
EMPORIA, KANSAS

# PUBLIC SALE

THURSDAY, NOVEMBER 3

## 53 PERCHERON MARES AND COLTS

Greatest Percheron Mare Sale ever held west of the Mississippi River, at the C. W. Lamer Stables in Salina, Kan., beginning at 10 a. m. 53 head of registered Mares and Colts, consisting of: 25 Imported Mares, all bred to the best stallions of France. 24 home grown Percheron Mares, including the choicest from my farm. (Also 4 yearling stallion and 2 sucklers.)

These include all of my "Prize Winning" Mares at the State Fair of 1910, and it is very gratifying to me to tell you that I have the best bunch of mares ever offered for sale west of the Mississippi River, with plenty of bone, style, action and conformation. They are young and sound, from 1 to 5 years old, and most of them "blacks." The Fillies are large and growthy, just the thing for the farmer to take home and grow a good sized mare. Every animal for this sale was carefully selected by me, personally, as I spent three months in the foreign country during the past summer and bought only such stock as I would be proud to say that I had sold and that will make money for the farmer. I am quite sure that you will agree with me when I say that my winnings at the State Fair have indicated the superior quality of stock that I will sell.

Come to my stables in Salina, Kan., November 3, 1910, and even if you do not buy a mare you will be well pleased with the trip because you will see A REAL HORSE SHOW.

My Premiums at the State Fair consisted of: NINETEEN (19) FIRSTS, TEN (10) SECONDS, ONE (1) THIRD. CHAMPIONSHIP on STALLIONS in Special Class. Seven (7) Gold and Five (5) Silver Medals.

I have a barn full of Imported Percheron and Belgian Stallions (last importation—60 head—August 1, 1910) that I am offering at private sale. Come one day before the sale and look over THIS STOCK.

WRITE FOR CATALOGUE.

## C. W. LAMER, Salina, Kansas

P. S.—On Friday, Nov. 4, 1910, I will sell 200 head of Horses, Mares and Mules, consisting of Farm Mares, Draft Horses and Southerners.

Auctioneers—Dan Sayer, W. C. Curphey.

C. W. LAMER, Salina, Kan.

### Ross and Long Combination Sale.

J. M. Ross, of Valley Falls, and W. E. Long, of Ozawkie, Kan., held their annual sale of big type Poland Chinas at Valley Falls last Friday. Fifty head of spring boars and gilts were sold. Both consignments were extra good and very uniform prices prevailed. The gilt division outsold the boars by a few dollars. The entire offering averaged \$28.72. Gilt No. 6 from Mr. Ross' consignment topped the sale at \$50 and was purchased by Mr. Long. Representative sales follow:

- |                                  |         |
|----------------------------------|---------|
| 1. John Freeze, Meriden, Kan.    | \$32.00 |
| 3. Calvin Curry, Winchester      | 27.00   |
| 5. W. R. Webb, Bendena           | 27.00   |
| 6. W. E. Long, Ozawkie           | 50.00   |
| 8. H. C. Graner, Lancaster       | 35.00   |
| 9. Fred McKling, Valley Falls    | 27.00   |
| 10. W. D. Calder, Bancroft       | 32.00   |
| 11. J. H. Harter, Westmoreland   | 36.00   |
| 12. L. A. Farrell, Valley Falls  | 30.00   |
| 13. A. N. Perry & Son, Oskaloosa | 42.00   |
| 14. Louis Locknour, Altamont     | 31.00   |
| 15. Frank Gregg, Valley Falls    | 25.00   |
| 17. H. C. Fowler, Valley Falls   | 31.00   |
| 19. J. H. Brown, Oskaloosa       | 29.00   |
| 23. J. O. Cromley, Havensville   | 31.00   |
| 24. B. Oldwilder, Mayetta        | 36.00   |
| 26. J. H. Brown                  | 42.00   |
| 28. G. W. Kline, Valley Falls    | 39.00   |
| 29. C. C. Weir, Winchester       | 27.00   |

- |                                   |       |
|-----------------------------------|-------|
| 80. W. T. Hodges, Meriden         | 29.00 |
| 31. Chas. Franz, Birmingham       | 32.00 |
| 32. A. A. Myer, McLouth           | 35.00 |
| 33. A. H. Brown                   | 35.00 |
| 34. W. D. Calder                  | 33.00 |
| 36. Will Griffin, Valley Falls    | 31.00 |
| 38. Owings & Owings               | 26.00 |
| 41. Geo. W. Smith, Burchard, Neb. | 26.00 |
| 42. L. A. Farrell                 | 25.00 |
| 44. Tom Haney, Ozawkie            | 28.00 |
| 46. Roy Johnston, South Mound     | 30.00 |
| 47. Lee Gross, Nodaway, Mo.       | 37.00 |
| 48. N. F. Riggs, Lamar, Mo.       | 32.00 |
| 50. A. H. Brown                   | 26.00 |

### Lee Bros.' Percheron Winnings at American Royal.

Best mare, 4 years old, first on Della; best mare, 2 years old, third on Irida; best group three mares any age, second on Della, Della and Mable; champion stallion any age owned by exhibitor, third on De Cascade; best mare any age, second on Gale, third on Merdit; best three mares any age, bred and owned by exhibitor, first on Gale, Merdit and Rose; best two, either sex, produce of one mare, second on Gale and Merdit; champion stallion and four mares, the \$100 cup on De Cascade and Florence, Rose Gale and Merdit; best four stallions, third on Corant, Robert, Hurschel and Illum. The Lee Bros. won eleven ribbons, three \$100 gold medals, three \$50 silver medals and one \$100 champion cup.

# HAMILTON & SONS PRIZE WINNING POLAND CHINAS 40-Head at Auction-40

## TUESDAY, NOVEMBER 1

## AT GUIDE ROCK, NEB.

Sired by Choice Goods, who took 2d at Lincoln this year and was considered by many the best yearling hog on the grounds. His get in this sale will please you. Another sire represented in this sale is Choice Metal, who is showing some extra good pigs. Choice Metal is by Belle Metal and is an extra good yearling, taking 5th at Lincoln in class of 86. He will be sold in this sale. Fifteen top gilts will also go in this sale, making it one of the best offerings of the year. Be on hand or get a catalog and send bids in our care to R. G. Sollenbarger. Col. Callahan, Auctioneer.

### J. H. HAMILTON & SON

### GUIDE ROCK, NEB.

# Smith & Sons, Smith's Big Hadley and Jumbo Jr. Sale

## AT SUPERIOR, NEB., WEDNESDAY, NOV. 2, 1910

Forty head big, growthy spring boars and gilts sired by our great breeding boar, Smith's Big Hadley and Jumbo Jr. by Nebraska Jumbo and his dam by Bell Metal out of dams of equal breeding. Four extra good, tippy boars by Smith's Big Hadley and out of Susie Blaine, she being out of Susie M.'s Best, one of the best sows John Blaine ever owned. This offering we think will surely please you. They will weigh on sale day over 250 lbs. and are right in every way. We would be pleased to have you with us sale day, but if unable to attend send for catalog and mail bids in our care to R. G. Sollenbarger. Col. Callahan, Auctioneer.

### ALBERT SMITH & SONS

### SUPERIOR, NEB.

# 58 Large and Growthy Poland Chinas

Will Sell at my Farm

## FRIDAY NOVEMBER 11

15 tried brood sows.  
15 spring gilts by Designer, Major Look and Columbia Expansion.  
16 large, smooth fall gilts by De-

signer, Gold Metal and Columbia Expansion.  
20 spring boars, big, growthy fellows by Designer, Major Look and Columbia Expansion.

This is the best lot of pigs I ever raised. Send for a catalog and come to my sale. Nov. 11 is the date and Chiles, Kan., the place. Send bids to O. W. Devine representing Kansas Farmer.

### C. S. NEVIUS

### Chiles, Kan. - - - - - Kansas

#### FIELD NOTES.

**Large English Berkshires.**  
In this issue of Kansas Farmer the old and reliable breeders of Berkshires start a card. The Manwaring Bros. of Lawrence, Kan., have been breeding Berkshires for over 14 years and have established a wide reputation among breeders. They have at the head of their herd the great breeding boar, Forest Supreme by King Forest, and out of a large Lord Lee sow. They offer at very low prices 20 spring boars by this hog, also 20 spring gilts. If you want new Berkshire blood at a bargain price, look up their ad in this issue and write, sending your check for the number you want. This bunch will not last long at the prices asked. Kindly mention Kansas Farmer when you write.

**Phil Walker Has Good Jacks.**  
With this issue of Kansas Farmer, Phil Walker of Moline, Kan., starts an advertisement for his jacks and jennets. No one need to have any doubt in any statement or guarantee Phil Walker makes. He is one of the old settlers in Elk county. He has the full confidence of all who know him. Mr. Walker is now serving his eighth year as county commissioner of Elk county. Mr. Walker has been raising jacks and jennets for 25 years and has sold them to a wide range of customers. He now has on hand 20 very high class jacks ranging in age from 2 to 7 years and they are all good size, with clean bone and correct marking. If you are needing a jack or jennet, look up ad in this issue. Write for prices or go see them. You will get your money's worth if you buy from Phil Walker. Please mention Kansas Farmer when you write.

**Two Car Loads of Jacks.**  
Al. E. Smith of Lawrence, Kan., has just returned from Tennessee with two car loads of big black jacks. This bunch is the best

Mr. Smith has ever been able to buy. They measure from 14 hands to over 16 hands, all black with mealy points, with extra heavy and clean bone. Mr. Smith was able to buy on this trip a full brother to the prize jack of the state of Tennessee. Mr. Smith is now prepared to offer to his customers one of the best bunches of jacks he has ever shipped to Kansas. They are a first class lot and right every way. Look up ad in this issue and write for prices. Lawrence is 40 miles west of Kansas City on main line of U. P. and Santa Fe Rys. Please mention Kansas Farmer when you write.

The advertisement of Smith & Roberts, proprietors of the Jersey Lawn herd, Beatrice, Neb., appears in this issue of the Farmer. They are offering a car load of this noted Jersey herd for sale at private sale, and it will be remembered that they were the leading winners at Kansas, Missouri, Iowa and Nebraska State Fairs in 1910. This herd includes Silverine's Brown Lady, the grand champion butter cow at Nebraska and Missouri State Fairs, 1910, with a record of 81 pounds of milk and 4.4 fat in 48 hours at Nebraska State Fair and 115 pounds of milk and 6.8 pounds of butter in 72 hours at Missouri State Fair. It also includes the unbeaten Oxford Warbler, first prize bull calf at Missouri and Illinois State Fairs and National Dairy Show, 1909. First prize and junior champions at Iowa, Nebraska, Kansas and Missouri State Fairs, 1910. This herd is noted for high producing cows.

**H. B. Walter Sells Nov. 1.**  
H. B. Walter of Effingham, Kan., will hold his annual fall sale of big, smooth Poland Chinas, Tuesday, Nov. 1. Mr. Walter has been breeding Poland Chinas and holding public sales for about 12 years, he has never offered an inferior bunch in all

# Amcoats' Big Type POLAND CHINA AUCTION

## FRIDAY, NOVEMBER 11

AT FARM THREE MILES EAST AND ONE MILE NORTH OF

### CLAY CENTER, KAN.

## 50 - HEAD IN ALL - 50

Twenty spring boars, 1 choice yearling boar, 20 spring gilts and 7 tried sows. All of the spring pigs but three litters are by the big boar, Bell Expand by Bell Metal and out of the great sow, Beatrice See. His pigs have strong backs, good feet and feeding quality. These good qualities combined with immense size make them very desirable from both the breeders' and farmers' standpoint. One litter is out of dam by Looks Grand; they were sired by Growthy King, a very large boar with wonderful feeding quality. One litter by Chief Designer by Designer, he by Expansion. The dam of this litter is by the 1,000 pound boar, Guy's Monarch. One litter by Colossus and out of Bell Metal dam. Dams of pigs are descended from Pan Famo, Grand Look, Gold Metal, Expansion See, etc. Offering will be in nice breeding condition but not fat. Catalog sent upon application.

Bids may be sent to Jesse Johnson at Clay Center.  
AUCTIONEER—Jas. McCulloch.

### S. B. AMCOATS, Clay Center, Kan.

Free transportation to and from farm; also entertainment for breeders from away.

this time. In fact, Mr. Walters' sales have always been looked forward to with more than ordinary interest by the farmers of his locality and the breeders living in different sections of his own and adjoining states. This year's offering is far superior to any of the past, as they are larger, smoother and in every way better. Mr. Walter has decided not to hold a winter sale and so is putting the very cream of his crop into this sale. The biggest per cent of the offering was sired by the greatest of all Expansive boars. His get are noted for their width, strong backs, extra good feet and short, wide heads. There will be 55 head in the sale, 26 of which are spring boars, 28 care-sale, 26 of which are spring boars, three fall fully selected spring gilts and three fall gilts, the tops of last fall's crop. The fall gilts and a few of the spring boars and gilts are by Logan W. 51871, and a few litters are by Mastery, a Mogul bred boar bred by Mr. Walter and now heading F. A. Tripp's herd at Meriden, Kan. Four very choice gilts are by Colossus and out of a Bell Metal dam. One boar included in the sale is by Big Tom 153731A, one of the highest priced boars sold in Nebraska last year. Among the best litters in the sale is one by Expansive and out of Blue Valley Fride, one of the largest and best producing sows in the herd. One litter is out of Mogul's Belle, a daughter of Jansen's Mogul. Most of the offering is out of very large mature sows, among them Lady Expansion 2d by Expansion, Minnie H. by Logan B., Surprise B., etc. The offering is so uniform that individual descriptions would be almost out of

place. Write for catalog giving full information, and if interested and unable to attend, send sealed bids to Jesse Johnson. In Mr. Walters' care.

**Ross' Percherons at Royal.**  
George B. Ross exhibited the grand champion Percheron mare at the American Royal show, also the first prize and champion 3-year-old Percheron stallion.

The advertisement of Brookside Farm, Savannah, Mo. in this issue of the Farmer calls attention to one of Missouri's noted Hereford herds, Warren Landers, proprietor of Brookside Farm, now has one of the best Hereford herds in Missouri. This herd is headed by Hesold 101st by old Hesold 2d; second herd bull Horace by Beaumont, he by Beau Brummel, and his dam Honora by Beau Brummel. Daughters of the noted bulls Hesold 2d, Beaumont, Lampfighter and St. Elmo of Shadeland will be found in this herd.

**The Large Type Polands.**  
On Wednesday, Nov. 2, J. W. Felphrey & Son will sell on his farm near Chanute, Kan., 50 head of spring boars and fall yearling sows, the best they have in the herd, and they have over 300 head to pick from. A large number of the offering will be sired by Erie Expansion, one of the best breeding sons of old Expansion. Read the ad in this issue and if you have not received a catalog, send for one. The offering is first class in every way.  
(Continued on page 23.)

# 140 Poland Chinas

## AT AUCTION Closing Out Sale-140

AT FARM 7 MILES NORTHWEST OF

CLAY CENTER, KAN.

### WEDNESDAY, NOV. 2ND

I have bred pure bred Poland Chinas for more than twenty years, have met with good success and like the business, but am forced to take this step on account of poor health. The offering will consist of 15 tried sows, 30 spring boars, my big yearling herd boar, Clay Jumbo, 40 fall pigs, remainder spring gilts. Practically all of the spring stuff was sired by Clay Jumbo. A few choice litters by the Champion Voter and a good son of Courtier by Corrector 2d. The tried sows are a very useful lot. I have been years developing and establishing the type. They are representatives of many different and noted strains. Among them daughters of Courtier, Billy, U. S. Expansion, Voter, Gold King 38531, and eight good ones by Hugh Corwin. The entire offering is good. The tried sows have made money for me and will do the same for you. Clay Jumbo is the biggest yearling in Kansas, a sure and good breeder and should go to head some good herd.

If unable to attend send bids to my auctioneers or fieldmen.

ACUTIONEERS—Jas. T. McColloch, Chas. Hagenbach.

## H. W. GRIFFITHS

Clay Center - - Kansas

# McKay's Medium Type

## POLANDS

AT

## AUCTION

LAREDO, MISSOURI

### FRIDAY, NOVEMBER 4TH, 1910

### 68-HEAD-68

Twenty spring and summer boars, 48 fall, spring and summer gilts. Sired by Impudence Style and Fancier's Perfect, out of such great dams as Huld Darkness (12972), Faith (105910), Sweet Clover (120868), Indiana Girl (119700), and others carrying the blood of noted sires.

A number of show hogs included. This is one of my best sale offerings and I feel sure will be appreciated. Eight of the fall gilts will be bred. Free entertainment. Catalog ready. Write for one.

Send bids to J. R. Johnson in my care.  
AUCTIONEER—Lafe Burger.

## GEO. W. MCKAY

LAREDO - - - MISSOURI

# Meisner's Big Type Poland China Sale

### WEDNESDAY NOV. 9TH

AT FARM FOUR AND ONE-HALF MILES WEST OF

### SABETHA, KANSAS

Forty-five head in all, divided as follows: 21 boars and 24 gilts, all of spring farrow. A large per cent sired by the herd boar, Metal's Choice 54005 by Mo. Metal, he by Bell Metal, dam by Hobson's Choice. Several litters by Lengthy Bob 54006 by Reno by Orchard Prince 47164. His dam was by Pawnee Chief. 12, 13, 14 and 15 in catalog are by Expansion's Son and out of Quality Bell by Missouri Metal. One litter by Sunflower King. No. 33 is a boar by Big Hadley's Likeness and out of Jumbo Queen by Neb. Jumbo. Others by Longfellow 4th 55155. Boar No. 27 is by Metal's Choice and out of the great sow, Orange Maid by Big Orange he by Orange Chief.

Note the variety of good breeding. The offering is a good, strong and useful one and will be sold in a condition that will insure future usefulness. I am in the business to stay and solicit your patronage, believing that what I have to sell will do you good.

Catalogs now ready. Write for one.

AUCTIONEERS—Jas. W. Sparks, Roy Kistner.

Send bids to Jesse Johnson, representing this paper.

## T. J. MEISNER

Sabetha - - - Kansas

# Vanhooser Stock Farm Sale

### 60-High Class-60

## Poland Chinas

### TUESDAY, NOVEMBER 15, 1910

Shall we write you or will you consider this as a personal invitation? Or would you prefer to send your business to O. W. Devine, representing the KANSAS FARMER?

We mean business. We've got the goods. We will show you. You will not be disappointed if you come to our sale.

Great Litters by Decatur.

Great Litters by Parnell.

Great Litters by Class Leader.

Don't overlook the Golden opportunity to get foundation stock from this famous herd.

60 head of great big lusty spring pigs, none better.

You set the price, we offer the chance.

Drop a card for a catalogue.

H. F. OVIATT, Sale Manager.

AUCTIONEERS—Col. Lafe Burger, Col. H. O. Correll.

## Vanhooser Stock Farm

Eldon - - - Missouri

**HORSES AND MULES**

**STALLIONS AND MARES.**

A few choice young stallions and a few three-year-old fillies, in matched teams, priced right. Come and see me.  
**J. W. BARNHART,**  
Butler, Mo.

**SHEPHERD PONIES FOR SALE**—20 imported stallions and few bred mares. We have recently returned from Scotland with the finest importation of ponies ever brought to Nebraska. Write for private sale catalog.  
**CLARKE BROS.,** Auburn, Neb.

**PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.**  
Up-to-date Poland China hogs. Write your wants.  
**H. N. HOLDEMAN,** Meade, Kansas.

**THE BEST IMPORTED HORSES** \$1,000 each. Home-bred, registered, draft stallions, \$250 to \$650, at my stable doors. Address  
**A. LATIMER WILSON,** Creston, Iowa.

**HOME-BRED DRAFT STALLIONS** \$250 to \$600; imported stallions, your choice \$1,000.  
**F. L. STREAM,** Creston, Iowa.

One of the largest number of large bone and smooth Jacks in the West; 14 to over 16 hands high; prices reasonable. 40 miles west of K. C. on U. P. and Santa Fe Rys.  
**AL. E. SMITH,**  
Box A, Lawrence, Kan.



**JACKS AND JENNETS**

20 large Jacks from 2 to 7 years old.  
25 head extra good Jennets priced right. Come and see me.  
**PHIL WALKER,**  
Moline, Elk Co., Kansas



**GUERNSEY CATTLE.**

**FOR SALE.**

Six Guernsey bulls; three about 15 months old; three about a year old. Fine specimens. Can be seen at  
**HASKELL INSTITUTE,**  
Lawrence, Kansas.

**ANGUS CATTLE**

**PARKER PARRISH & CO.**  
Hudson, Kan.

**Pure Blood Angus Cattle**

Herd bulls: Japan Ito, Envoy 2d, Evener 2d, Jelts Hale Lad, 400 in herd. Violet's best blood, can ship on Mo. Pac., Santa Fe or Rock Island. Stock for sale at all times.

**80 Angus Bulls**

**OF SERVICEABLE AGE.**  
Herd Headers and Range Bulls. Many of them by Champion Ito.  
**SUTTON FARMS,** Lawrence Kan.  
500 HEAD IN HERD.

**POLLED DURHAM CATTLE**

**BELVEDERE X2712-195058**

Son of the \$1,500 Grand Victor X1635 150365 heads my herd of Double Standard Polled Durhams. A few extra good, blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town.  
**D. C. VAN NICK,** Richland, Kansas.

**JERSEY CATTLE**

**LINSCOTT JERSEYS**

offers a few choice sows in milk and some bred heifers. Milk and butter records accurately kept.  
**R. J. LINSCOTT,** Helton, Kansas.

**Jerseydale Stock Farm**

Imported and American Bred Jerseys.  
Carthage, Mo.  
**PHIL HANNUM, JR., OWNER.**

I am offering a yearling bull ready for service, out of a five-gallon cow, bred along the same lines as the cow that won at the World's Fair, at a very reasonable price. Write today if you are in need, as I price stock at figures that sell them.  
Grade Jerseys bought on commission.

I have already for service a few grandsons of Merry Maiden's Third Son, Financial Count, Eurymia's Son and Fontana's Eminent. Prices and extended pedigrees upon application. These bulls will make excellent dairy sires and are fit to head any herd registered in A. J. C. C.  
**W. N. BANKS,** Independence, Kan.

**GOLDEN RULE JERSEYS.**  
Headed by Coner's Eminent 35865. For sale bull calf six months old, sired by Beatrice Stockwell and out of dam by Silverine's Lad. Recorded and tuberculin tested. Splendid individual.  
**JOHNSON & NORDSTROM,**  
Clay Center, Kansas.

**JERSEY CATTLE.**  
A car load of the famous Jersey Lawn herd to go at private sale. The attention of Jersey breeders is called to this herd and the sure opportunity to obtain stock of the richest breeding. Victorious Champion Lad, first prize and senior champion at Iowa, Kansas, Nebraska and Missouri State Fairs, 1909, and Stockwell's Fern Lad, the prize-winning son of Stockwell, that sold for \$11,500. Dam a daughter of Golden Fern Lad head our herd.  
Address  
**J. B. SMITH,**  
Beatrice, Nebraska.

**DUTCH BELTED CATTLE.**

**DUTCH BELTED CATTLE**—A few young animals of choice breeding for sale. Springdale Stock Farm, Concordia, Kan.

**SHORTHORN CATTLE**

**OAKDALE STOCK FARM.**

Grainger, Mo., will, on Nov. 2, 1910, sell a draft of 44 head of Shorthorns of the richest breeding, sired by Imported Crabstone No. 150955 and Flower Knight No. 264136, bred by March Knight. 23 heifers sired by Crabstone and bred to show bull, Flower Knight. Ten head young bulls, bred from Flower Knight. One imported Crabstone bull, a show calf. Catalogues.

**JOSEPH MILLER & SONS,**  
Grainger, Mo.

**8 YOUNG SHORTHORN BULLS** for sale, Scotch and Scotch Topped. Good individuals. Will sell few cows and heifers. Poland China sale Nov. 11.  
**S. B. AMCOATS,** Clay Center, Kansas.

**SHORTHORNS**

A few choice heifers for sale, nicely bred and good individuals, priced reasonable. Write or come and see my herd.  
**C. H. WHITE,** Burlington, Kan.

**Center Grove Stock Farm**

Scotch Shorthorns for sale.  
300 head large type Poland Chinas, with extra quality. Herd headed by Eric Expansion. Prices reasonable. Bell phone.

**J. W. PELPHREY & SON,**  
Route 6, Chanute, Kansas.

**FOR SALE.**

Five extra good Scotch and Scotch Topped bulls, 10 months old. Roans and reds, sired by Victor Archer and Forest Knight by Gallant Knight. Priced right.

**R. A. STEWART,**  
Hutchinson, Kansas.

**Humboldt National Stock Farm**

Shorthorn cattle, large type Poland China hogs, 10 spring boars and gilts priced right. Write me your wants. I meet parties at trains. We can do business. Come and see me.

**H. F. PELPHREY & SON,**  
Humboldt, Kansas.

**GOLDEN KNIGHT.**

by Golden Prince by Gloster, at head of herd; a few choice heifers for sale, excellent breeding; also Percheron stallion colts. Prices reasonable.

**J. N. W. TREADWAY,** Kincaid, Kan.

**Tomson Shorthorns**

We expect to exhibit our show herd, chiefly the set of Gallant Knight's Heir and Bampton Knight, at several western fairs. We have a few choice females and several splendid young bulls for sale.

**T. E. TOMSON & SONS,** DOVER, KAN.  
E. E. Station Willard, on E. L. 16 miles west of Topeka.

**10-SCOTCH BULLS-10**

from 10 to 14 months old. One roan, 9 reds, sired by show bulls and out of show cows. Must be sold to make room. Priced at \$75 to \$125. These are all good. I make steers out of my poor ones. Come at once. They will suit you.  
**COL. ED GREEN,** Florence, Kan.

**SHORTHORN SALE.**

On Wednesday, Nov. 9, 50 head Shorthorn cattle, large portion heifers. Send for catalogue.  
**ISAAC NOVINGER & SONS,**  
Larksville, Mo.

**TWO SHORTHORN BULLS**

14 and 18 months old. Choice breeding and fine individuals. Will sell cheap. Call on or address  
**FREELAND & WILLIAMS,**  
Valley Falls, Kansas.

**SHORTHORN BULLS FOR SALE**

Have two choice six months old, both dark reds, one pure Scotch, the other Scotch topped. Sired by Royal Ramsden, priced right for quick sale. Also a few cows and heifers.  
**H. H. HOLMES,**  
Great Bend, Kansas.

**SHORTHORN CATTLE**—Richland Grove Farm, breeders of Shorthorn cattle and Berkshire hogs. Lavender Goods No. 300098 and Victor Orange lead this herd. Lavender Goods sired by White Goods; Victor Orange sired by old Victorious. Address H. E. Coffey, Savannah, Mo.

**HEREFORD CATTLE**

**SPRING CREEK HERD HEREFORDS.**  
Headed by Christy 234417, Prairie Donald by Beau Donald 7th, and Sir Morgan by Onward 18th. Cows of Anxiety 4th, Hegold, etc., breeding, including Imp. animals. Over 100 head in herd. Few choice young bulls and some females for sale.  
**TOM WALLACE,**  
Barnes, Kansas.

**HOLSTEIN CATTLE**

**HOLSTEIN CATTLE.**  
The Most Profitable Dairy Breed. Illustrated descriptive booklets free. Holstein-Friesian Ass'n of America.  
**F. L. HOUGHTON, Sec.,** 114 Brattleboro, Vt.

**SUNFLOWER HERD HOLSTEIN-FRIESIAN.**

Do you need a high class bull ready for service whose three nearest dams average from 26 lbs. to over 29 lbs. butter in 7 days? I have them for sale. Also choice bull calves 6 to 10 months old, and a limited number of choice A. E. O. cows to offer, might spare a few bred heifers. Holstein are the most profitable cattle—figures prove it.  
**F. J. SEARLE,**  
Oaklona, Kansas.

**ROCK BROOK FARMS—HOLSTEINS.**  
Special offer on 10 bulls 4 to 10 months old. Ten cows to freshen in the winter and spring, all bred to select bulls. These are a high class lot and will be sold worth the money. Mention this paper and get a dollar free.  
**HENRY C. GLISSMANN,**  
Station B, Omaha, Neb.

**RED POLLED CATTLE**

**CHOICE RED POLLED CATTLE.**  
Herd the oldest in Marshall county. The best in breeding and individuality. Stock for sale at all times.  
**AULD BROS.,** Frankfort, Kansas.

**RED POLLED CATTLE.**  
A few choice young bulls for sale; also a few cows and heifers.  
**C. E. FOSTER,** Eldorado, Kan.

**COBURN HERD OF RED POLLED CATTLE** and Percheron Horses. Young stallions, bulls and heifers for sale.  
**Geo. Greenmiller & Son,** Pomona, Kan.

**OHIO IMPROVED CHESTERS**

**MOSSE OF KANSAS**  
Kansas Herd of Improved Chester Whites. Grand Champion bow Kansas State Fair.  
**ARTHUR MOSSE,**  
Leavenworth, Kansas.

**MAPLE LEAF O. I. C's.**

The best blood lines represented in this herd. When in need of quality write.  
**R. W. GAGE,**  
E. D. 5, Garnett, Kansas.

**AMERICAN HAMPSHIRE AND CHESTER WHITE SWINE.**  
Get prices of the "Black and White" Stock Farms spring boars and gilts of these two popular breeds.  
**ORIE J. SMITH,** Kirksville, Adair Co., Mo.

**BERKSHIRES**

**RIVERSIDE FARM BERKSHIRES.**  
Herd headed by Kansas Baron and Uneeda's Longfellow. A few choice spring pigs for sale. You will find herd headers among them.  
**RAYMOND G. BROWN,**  
Minneapolis, Kansas.

**POLAND CHINAS**

**DEER FARM STOCK FARM.**  
Richly bred Poland Chinas headed by the great Impudence E. L. and Noble Chief by Noblemo. Choice lot of spring pigs for sale, by Impudence E. L. and Dawley's S. F. Perfection.  
**D. A. WOLFERSPERGER,**  
Council Grove, Kansas.

**SUNNY SLOPE STOCK FARM.**  
Poland China hogs, Shorthorn cattle and Shropshire sheep. 50 growthy spring boars and gilts. Yearling and spring rams for sale. Visit my herd and make your selections or write me and mention the Kansas Farmer.  
**W. T. HAMMOND,**  
Portia, Kan.

**BIG TYPE POLANDS.**  
Toulon Prince 50559 heads herd. Mated to 700-lb. sows. Choice pigs, either sex, for sale.  
**L. E. KLEIN,** Zeandale, Kan.

**WALBRIDGE POLANDS**

**WORTH THE MONEY.**  
Boars: \$25, \$35, \$50.  
Gilts and sows: \$25, \$35, \$50, \$100.  
**L. C. WALBRIDGE,**  
Russell, Kan.

**MEDDLER SUNSHINE**  
by Meddler 2d, grand champion Kansas state fair, 1910, and On the Spot by On and On, head my herd of richly bred  
**POLAND CHINA SOWS.**  
Boars, gilts and sows bred to the herd boars for sale.  
**E. J. MANDERSCHIED, ST. JOHN, KAN.**

**AUCTIONEERS**

**H. R. LITTLE** Live Stock Auctioneer  
Abilene, Kan.

A close student of men and methods with twenty years' experience as a breeder of Shorthorns. Entire time devoted to auction work. Reasonable charges for first class service. Write or phone.

**LET ME BOOK YOUR WINTER SALE DATE.**

Can make right terms and give satisfaction. On block or in the ring. Write, wire or phone.  
**COL. RAY PAGE,**  
Friend, Neb.

**LARGE ENGLISH BERKSHIRE HOGS**

for sale by  
**H. U. McCURDY & CO.,**  
Hutchinson, Kansas.

**JAS. T. McCULLOCH**

Makes a business of crying sales of pure bred stock. Has conducted some of the best sales ever held in Kansas. For terms and dates address him at  
**Clay Center, Kansas.**

**FRANK J. ZAUN,**  
Fine Stock Auctioneer.  
Independence, Mo.

Am selling for the best cattle and hog breeders in the West. Terms very reasonable. Write or wire for dates.  
"Get Zaun, He Knows How."

**Jas. W. Sparks** AUCTIONEER, Pedigreed Live Stock.  
Marshall, Mo.

**FRANK REGAN, ESBO, KAN**

Years of continuous selling has proved my ability and my employers are my best advertisers. Write, wire or phone for dates.

**JOHN D. SNYDER**  
AUCTIONEER,  
Winfield, Kansas.

I sell for many of the most successful breeders.

**LAFE BURGER**  
LIVE STOCK AUCTIONEER.

Write or wire me for date.  
**WELLINGTON, KAN.**

**L. E. FIFE** LIVE STOCK AUCTIONEER  
Newton, Kansas

Breeder of Percherons, Shorthorns and Duroc-Jersey hogs; posted in pedigrees. Terms reasonable. Write or wire for date.

**W. C. CURPHEY**  
LIVE STOCK AUCTIONEER.

Write, phone or wire me for dates.  
**ABILENE, KANSAS.**

**COL. CARL G. ANDERSON**

Live Stock and Real Estate Auctioneer. Years of experience, and a graduate course in one of the best auction schools, enables me to get the value of your stock and property.  
List your Live Stock, Merchandise and Exchanges with me. Sales cried and business solicited anywhere. Write me.  
**WHAT HAVE YOU FOR SALE OR TRADE?**  
**ATHOL SMITH COUNTY, KAN.**

Editor Kansas Farmer: Have just sold 12 good boars through my advertisement in the Kansas farmer. Am running short now. Got good prices.  
**C. S. MOYER,**  
Poland Chinas, Nortonville, Kan.

**POLAND CHINAS**

**Sunshine Herd Poland Chinas**

An exceptionally fine litter of March pigs by Bandmaster out of a Chief On and On sow.  
**A. L. ALBRIGHT,** Pomona, Kansas.

**FOR SALE.**

Spring pigs by Hadley, Spangler's Wonder and Logan Look, priced very reasonable for quick sale. Write at once.  
**HARRY W. HOAK,**  
Attica, Barber County, Kan.

**CHOICE POLAND CHINA PIGS.**

Sired by Voter 13333, Perfect Mischief 48911, Senator and Voter's Pride. Sows of equal breeding and richly bred. Pigs ready to ship. Attraction's Voter's boars out of Meddler dam.  
**W. C. MILLIGAN,** Clay Center, Kansas.

**GOLD METAL 43343**

43Bell Metal 40888 heads my herd of big type Poland. Breeding stock for sale at all times. Prices right.  
FkwF ob Om IPP -cFF,  
**JOHN C. HALDERMAN,**  
Burchard, Neb.

**HARTER'S BIG KIND POLAND CHINAS.**

Headed by Morgan's Monarch 45888 and Capt. Hutch 39068. Over 100 choice pigs to select from. Visitors made welcome. Also Barred Rocks.  
**J. H. HARTE,**  
Westmoreland, Kansas.

**MEISNER'S BIG POLAND CHINAS.**

Headed by Metal Choice. Sows are daughters of such sires as Nebraska Jumbo, Pawnee Chief, Big Hadley, etc. Fifty fine spring pigs to date and more sows to farrow. Inspection invited.  
**T. J. MEISNER,**  
Sabotha, Kansas.

POLAND CHINAS

POLAND CHINAS

DUROC JERSEYS

DUROC JERSEYS

DESIGNER. SEARCHLIGHT



Kansas Live Stock History Does Not Give the Names of Two More Consistently Successful Animals Than These, Our Chief Herd Bull and Boar. They and their assistant are the factors in the everyday "make good" business practice which has given us a mighty satisfactory business in



SHORTHORNS and POLAND CHINAS. Stock for sale at all times, and prices reasonable. Look for our sale dates and send for catalogue; each year better than the year before. C. S. NEVIUS, Chillicothe, Miami County, Kansas.

BIG-BONED POLAND CHINAS

Spring boars for sale, sired by my herd boars; ORPHAN CHIEF by Orphan, JOHN LONG by Long, John. The best lot I ever raised. Get your order in early and get your pick of my herd. ROY JOHNSTON, South Mound, Kan.

THE MORTONS

QUALITY AND SIZE POLAND CHINAS. Herd headed by Equipment 51530 by Impudence. Quick sale 2d summer and fall gilts sired by a son of Meddler 2nd, bred for August farrow. Also 8 fall boars. All representations guaranteed. THE MORTONS, Tampa, Kansas, Marion County.

SPRING BOARS AND GILTS. By First Choice, he by Grand Chief, and little Baler, he is a grandson of On and On. We can please you in size, quality and price. Also one good yearling shorthorn bull for sale. S. B. YOUNG, Glasco, Kansas.

EUREKA herd of pure bred Poland Chinas and Duroc Jerseys. 115 head to select from, with quality, size and good litters. Order early and get the best. Ready to ship after Aug. 1st at farmers' prices. W. W. SALES, Simpson, Kan.

SULLIVAN COUNTY HERD. Poland Chinas. 200 head in herd, best blood known to the breed. For sale eight choice fall gilts; also eight Collier pups. FULLER BROS., Humphreys, Missouri.

LAREDO HERD. Poland Chinas headed by Impudence Style 132378 and F. R.'s Meddler by Meddler, for sale 15 fall gilts bred for fall farrow and 8 other gilts. G. W. McKAY, Laredo, Missouri.

200 LARGE TYPE POLAND CHINAS. Herd headed by Big Hadley, Long John 2nd and John Ex. Young stock for sale at all times. A few choice Hadley boars. CHARLES Z. BAKER, Butler, Missouri.

POLAND CHINA HERD BOAR for sale. O. K. Chief, a great breeder. Can't use him longer to advantage in herd. Will price reasonable. Public sale at farm Nov. 2. Write for catalog. R. J. PECKHAM, Pawnee City, Neb.

STUMP'S BIG POLAND CHINAS. 200 head in herd. Kansas King by Grantier and Capt. Hutch by Captain Hutch in service. Great lot of pigs to select from. Write for prices and descriptions. W. R. STUMP, Blue Rapids, Kansas.

12 - BOARS FOR SALE - 12. 12 good, growthy Poland China boars for sale, from \$20 to \$30. Write me your wants. A. L. ALBRIGHT, Waterville, Kansas.

10-BIG TYPE BOARS-10. For quick sale at bed rock prices. Sired by the 1,000-lb. Guy Monarch. The blood of Expansion, Colossus, etc. H. C. GRANER, Lancaster, Kansas.

40-BOARS AND GILTS-40. Herd boar, Forest Supreme by King Forest, dam by Lord Lee. For sale, 20 spring boars and 20 spring gilts, good ones. Price \$20 for choice. Write at once. MANWARING BROS., Lawrence, Kansas.

SUCCESSFUL SWINE RAISING. J. H. Sparks, breeder of fancy Poland Chinas, has compiled a valuable book on "How to grow, breed, feed, judge and exhibit in strong competition." This is one of the best of its kind. Write at once and mention Kansas Farmer. Address J. H. SPARKS, Hunter, Oklahoma.

100 POLAND CHINA SPRING PIGS. Booking orders to ship later. Get your order in early and get first choice. Mostly sired by Fibuster 159908, a heavy boned son of the great Meddler 2d. Pigs out of dams of the best breeding. 240 head in herd. Description guaranteed. J. D. WILFONG, Zendale, Kan.

THE HAWTHORNE POLAND CHINAS. Ten Strike, grand champion at the Oklahoma State Fair, 1908, heads the herd. Special prices on 10 strictly toppy boars, sired by Ten Strike and out of richly bred sows. These boars are of December and January farrow, good enough to head any herd. 50 choice gilts at very low price. All pedigrees furnished when hogs are delivered. T. M. CHAMBERS, Oswego, Kansas.

GEO. SMITH'S BIG POLANDS-Headed by Mammoth Hadley, the best son of Big Hadley. Sows, daughters of King Du Do, Johnson's Chief, Gold Metal, First Quality, Chief Gold Dust. 5 litters by Grand Model by Grand Chief. 100 choice pigs doing well. George W. Smith, Burchard, Neb.

PEERLESS PERFECTION 2D. Grand Champion at American Royal, 1908, heads my herd of Richly Bred Poland China Sows. "Peerless Pigs" are always good sellers. I have a few choice boars and gilts by him. Write to him for sale. P. J. MILLER, ST. JOHN, KAN.

GRAND PERFECTION 77899. Spring pigs. Boars and gilts by this pig for sale. Price \$15.00. JEWELL BROS., Humboldt, Kan.

POLAND CHINAS WITH SIZE. Headed by Pawnee Look. I have bred pure bred Poland for 26 years and have learned many valuable lessons, and in the future shall breed nothing but the big smooth kind. More hog and less hot air. F. F. ORELY, Oregon, Missouri.

SPRING MALES AND GILTS. Now is the time to buy your breeding stock while the best is yet unsold. My pigs are strong and thrifty; are well bred and have been fed with an eye to future usefulness. Write me now. Address C. H. TILLOUST, Osborne, Kansas.

LOBAUGH'S BIG SMOOTH ONES. For sale, 15 strictly top boars and 46 extra good gilts, early farrow; all but two sired by Kansas Ex., the best breeding Expansion bred boar in Kansas; out of sows by Chief, the 1,000-pound Mouw bred boar. A. C. LOBAUGH, Washington, Kansas.

175 BIG TYPE POLAND CHINA PIGS. Both sexes, March and April farrow, sired by Bell Metal M. 54349 and Success 53651. Heavy boned and strong. Strictly big type. Reasonable prices. J. E. BOWSER, Abilene, Kansas.

STRYKER BROS.' HERD POLAND CHINAS. The greatest show and breeding herd in the West. Write your wants and they will please you. Buy the best and make the most. They breed the kind that win; the kind you want. Address STRYKER BROS., Fredonia, Kansas.

80-FEBRUARY POLAND CHINA PIGS-80. Large, smooth and good individually. Sired by my herd boars: Wilkes Again and Grand Success, out of as fine a lot of big type sows as there is in the West. Inspection invited. J. B. WHIPPLE, Falls City, Nebraska.

RIDGEWAY STOCK FARM-Big Type Poland Chinas, headed by Union Leader, Major Hadley and Hadley Prince. Sows by Expansion, Grand Look, Big Hadley, Bell Metal, etc. Spring pigs by herd boars and Colossus. W. R. Webb, Bendena, Kan.

EXPANSIVE. The 1,000-lb boar heads my herd of BIG Smooth Poland Chinas. A few choice boars by him for sale. Fall sale November 1. H. B. WALTER, Effingham, Kansas.

BLUE GRASS VALLEY STOCK FARM. Big boned Poland Chinas. Herd headed by Big Hadley, King Ex. 3d, Long John the 2d and Missouri Wonder. Four of the best breeding boars of the breed; young stock for sale at all times; everything guaranteed as represented. W. A. Baker, Butler, Mo.

BIG TYPE POLAND CHINAS. Gold Standard by Chief Gold Dust in service. Sows represent the most noted big type strains. Choice lot of spring pigs. WALTER HILDWEIN, Fairview, Kansas.

DUROC JERSEYS

SPRINGBANK DUROC JERSEYS. Headed by W. H.'s Col., first prize junior yearling boar Hutchinson State Fair, 1909, assisted by Chief Orion, third prize aged boar. Sow Sale-Ten tried sows by Chief Orion bred to W. H.'s Col. Come and see them. W. H. WILLIAMSON, Raymond, Kansas.

SAMUELSON BROS.' DUROCS. Fifty spring boars for sale, the pick of 300 head of spring pigs, sired by 10 different sires; good growthy fellows; heavy bone; the best of color; good quality. We can suit you in blood lines and quality. Our price right. Come and see or write us. Samuelson Bros., Cleburne, Kan.

GOETHE'S DUROCS. I have for sale 40 extra good boars, March and April farrow. Sired by Big Crimson 59418, Walnut Wonder 81111 and Crimson Bob. Out of matured dams of the very best breeding. T. E. GOETHE, Leonardville, Kansas.

RIVER BEND HERD DUROCS. Headed by Fitch's Kant by Kant Be Beat and out of a son by Ohio Chief, one of the best individuals and breeders in the state. Let me know your wants. W. L. FITCH, Minneapolis, Kansas.

ALFALFA STOCK FARM DUROCS

Over 300 head of spring pigs now on the farm, the sires of which were sired by such boars as Ohio Chief, Billie K., Prince Wonder and from sows equally well bred. Fifty boars have been selected from a bunch of 260 and reserved for breeding purposes. Will quote you prices on single animals or in any size lots to suit. Address PEARL H. PAGETT, Beloit, Kansas.

CROW'S DUROC JERSEYS. Herd headed by Climax Wonder, he by Missouri Wonder. 100 head to select from. Prices reasonable. The electric car runs within three blocks of my farm. Come and see my herd at any time. W. R. CROW, Hutchinson, Kansas.

CHOICE DUROC BOARS FOR SALE. Good individual descendants of Orion, Valley Chief, Farmer Burns, etc. Reasonable prices. O. A. TILLER, Pawnee City, Neb.

20 BIG, GROWTHY DUROC BOARS. Sired by King Dandellon and Kansas Model. Price \$20 and \$25. Also a few choice gilts for sale. L. T. SPEELMAN, Route 8, Paola, Kan.

R. & S. FARM. Public sale Oct. 29 or 25 choice Duroc-Jersey boars and 15 gilts. All early spring farrow, sired by Golden Ruler No. 80555 and King of Kant Be Beat No. 88333. Bred sow sale Feb. 3, 1911. RINEHART & SON, Smith Center, Kansas.

CEDAR LAWN HERD. Twenty boars for sale by Long Wonder 21887 and Lincoln Chief 81913, a son of Chief Tatarax. Will also offer some spring gilts at reasonable prices by such dams as Josie Surprise, Beasle Advance, Proud Queen by Ohio Chief. F. M. BUCHHEIM, LeCompton, Kansas.

DUROC SOWS and GILTS. DUROC SOWS AND GILTS. 20 choice fall yearling gilts for quick sale. 10 tried sows, at prices to move them. Will breed and hold until safe. Fall sale Nov. 4. CHAPIN & NORDSTROM, Green, Kansas.

ANDERSON'S HIGH CLASS DUROCS. Choice spring pigs sired by three great boars, for sale at reasonable prices. For information write C. O. ANDERSON, Manhattan, Kansas.

BRED SOWS, AUGUST FARROW. Duroc sows and gilts sired by Bell's Chief 4th and bred to richly bred boars. Will sell and ship when safe. FRANK VETISKA, Pawnee City, Nebraska.

JEWELL COUNTY HERD. Headed by Bonney K. 74075, all prominent blood lines represented. Fall sale Oct. 27. Sow sale Feb. 1, 1911. W. E. MONASMITH, Formosa, Kansas.

HAMPSHIRE HOGS. HILLWOOD STOCK FARM. Breeders of Hampshire hogs. Twenty bred gilts for sale. Service boars, pairs and trios, no kin. The celebrator boar Erlanger No. 1039 heads this herd. Address J. Q. EDWARDS, Platte City, Mo., Route 3.

SPRING BOARS AND GILTS. Best of breeding and top quality. Some early spring boars—good, strong, growthy fellows—will be priced right. By such boars as Agra Top Notcher, Paul Jumbo, Bonney K. and I Am a Bonney K.; also gilts of equal breeding, quality and size, priced right. Address W. C. WHITNEY, Agra, Kansas.

When writing advertisers please mention Kansas Farmer.

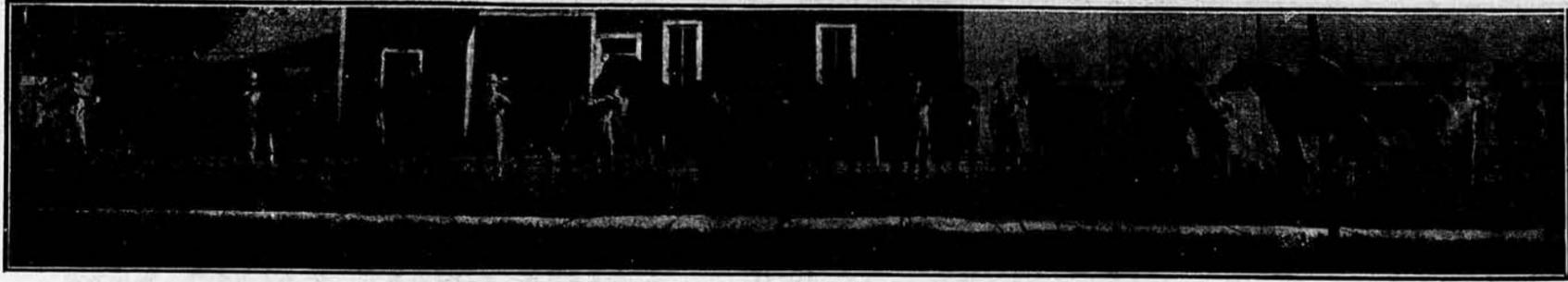
Kansas Farmer ADS Bring Results

CHAPIN & NORDSTROM'S COL. BRED DUROCS AT AUCTION. At farm two miles north of CLAY CENTER, KANSAS FRIDAY, NOV. 4, 1910

50 head in sale, consisting of 26 spring and 4 fall yearling boars, 10 fall and 10 spring gilts. Every female in the sale was sired by the great Col. boar, G. C.'s Kansas Col. The boar division contains many outstanding individuals and includes sons of King of Cols. 2d, G. C.'s Col. and G. C.'s Kansas Col. All sires of recognized merit as producers. Among dams of the offering are Chapin's Queen 2d by old King of Cols., sire of King of Cols. 2d, Bessie H. 3d, sired by Model Chief Again and out of Bessie H. 2d, My Princess by Golden Rule out of a dam by the great King To Be, Cherry by Pilot Wonder, dam by Ohio Chief, G. C.'s Choice Goods and Ten Strike, daughters of W. L. A.'s Choice Goods, Frances C. by White Hall King, several daughters of King of Cols. 2d, etc. No better blood or greater individuality can be found anywhere. The entire offering is good and buyers will be accorded every opportunity to see the offering and make good selections. For catalog address

CHAPIN & NORDSTROM, Green, Ks. Auctioneer—Jas. T. McCulloch. Jesse Johnson, fieldman for Kansas Farmer. Send bids to him.

White Plymouth Rocks (EXCLUSIVELY) For 13 years I have bred White Rocks, the best all purpose fowl, and have some fine specimens of the breed. I sell eggs at a reasonable price, \$2.00 per 15, or \$5.00 per 45, and I prepay expressage to any point in the United States. STATION B. THOMAS OWEN, TOPEKA, KANSAS



Percheron and Belgian Stallions Imported by Dr. W. H. Richards, Emporia, Kan.

FIELD NOTES

FIELD MEN.

- O. W. Devine.....Topeka, Kan.
Jesse R. Johnson.....Clay Center, Kan.
R. G. Soilenbarger.....Woodston, Kan.



PURE BRED STOCK SALES.

Horses.

- Percherons, Belgians and Shires.
Nov. 10—Sale at farm, J. C. Robison, To-wanda, Kan.
Nov. 15, 16—Lakewood Percherons, H. G. McMillan & Sons, Sioux City, Iowa.
Jan. 10, 11, 12, 13, 1911—Breeders' Sale Co., Bloomington, Ill.
Jan. 18—Chas. D. Knight, Oketo, Kan.
Feb. 28 and March 1, 2, 3, 1911—Breeders' Sale Co., Bloomington, Ill.

Shorthorns.

- Nov. 3—Jos. Miller & Sons, Granger, Mo.
Nov. 9—Isaac Novinger & Sons, Kirksville, Mo.
Nov. 15—J. E. Joines, Clyde, Kan.
Dec. 2—Chris Wilson, Glasco, Kan.
Feb. 8—T. J. Charles, Republic, Kan.
June 6—C. S. Nevius, Chiles, Kan.

Jersey Cattle.

- Nov. 3—Mrs. S. B. Thomas, St. Joseph, Mo.

Hereford Cattle.

- Nov. 1—Sam'l Drybread, Elk City, Kan.
Nov. 10—T. I. Woodfall, Fall River, Kan.
Nov. 16—O. Harris, Harris, Mo.
Dec. 2—American Hereford Cattle Breeders' Association at International Live Stock Show, Chicago.

Holstein Cattle.

- Feb. 7, 8, 1911—Rock Brook Farm, Sta. B, Omaha, Neb., 150 head will be offered.

O. I. C. Swine.

- Feb. 16—Fantz Bros., Pleasant Hill, Mo.

Duroc-Jerseys.

- Oct. 31—White Bros., Buffalo, Kan.
Nov. 2—Sam'l Drybread, Elk City, Kan.
Nov. 2—Sam'l Drybread, Elk City, Kan.
Nov. 4—Chapin & Nordstrom, Green, Kan. Sale at Clay Center, Kan.
Nov. 16—E. F. Lout, Cherryvale, Kan.
Nov. 16—J. E. Joines, Clyde, Kan.
Nov. 19—Phillip Albrecht, Smith Center, Kan.
Jan. 23—E. W. Davis & Co., Glenwood, Mo.
Jan. 20—A. T. Cross, Guide Rock, Neb.
Jan. 21—Ward Bros., Republic, Kan.
Feb. 1—W. E. Monasmith, Formosa, Kan.
Feb. 2—Thompson Bros., Garrison, Kan.
Feb. 2—G. P. Philippi, Esbon, Kan.
Feb. 2—Rinehart & Son, Smith Center, Kan.
Feb. 4—W. C. Whitney, Agra, Kan.
Feb. 6—J. L. Williams, Bellair, Kan.
Feb. 8—O. A. Tiller, Pawnee City, Neb.
Feb. 9—Samuelson Bros., Cleburne, Kan.
Feb. 10—Samuelson Bros., Blaine, Kan.
Feb. 12—T. E. Goethe, Leonardville, Kan.
Feb. 14—Chapin & Nordstrom, Green, Kan. Sale at Clay Center, Kan.
Feb. 15—Leon Carter, Asherville, Kan.
Feb. 16—W. T. Fitch, Minneapolis, Kan.
Feb. 17—L. E. Boyle, Lindsay, Kan.
Feb. 22—Phillip Albrecht, Smith Center, Kan.
March 16—E. S. Davis, Meriden, Kan.

Poland Chinas.

- Nov. 1—J. H. Hamilton & Son, Guide Rock, Neb.
Nov. 1—H. B. Walter, Effingham, Kan.
Nov. 1—H. F. Peiphrey, Humboldt, Kan.
Nov. 2—J. W. Peiphrey, Chanute, Kan.
Nov. 2—Albert Smith & Sons, Superior, Neb.
Nov. 2—H. W. Griffith, Clay Center, Kan.
Nov. 2—R. J. Peckham, Pawnee City, Neb.
Nov. 3—The Mortons, Tampa, Kan.
Nov. 3—George W. Smith, Burchard, Neb.
Nov. 3—D. W. Evans, Fairview, Kan.
Nov. 4—W. A. & C. Z. Baker, Butler, Mo.
Nov. 4—G. W. McKay, Laredo, Mo.
Nov. 5—Fuller Bros., Humphreys, Mo.
Nov. 8—Poland China Bore Sale, W. B. Van Horn, Overbrook, Kan.
Nov. 9—T. J. Meiner, Sabetha, Kan.
Nov. 11—C. S. Nevius, Chiles, Kan.
Nov. 11—S. B. Amcoats, Clay Center, Kan.
Nov. 15—H. B. Vanhooser, Eldon, Mo.
Nov. 16—W. A. Prewett, Asherville, Kan.
Nov. 19—G. W. Roberts, Larned, Kan.
Nov. 22—W. D. McFarland, Chase, Kan.
Nov. 23—C. H. Pilcher, Glasco, Kan.
Jan. 2—J. M. Collins, Garnett, Kan.
Jan. 2—W. R. Stump, Blue Rapids, Kan.
Feb. 7—J. M. Ross and W. E. Long, Valley Falls, Kan.
Feb. 8—H. B. Walter, Effingham, Kan.
Feb. 8—T. J. Charles, Republic, Kan.
Feb. 9—H. C. Graner, Lancaster, Kan.
Feb. 9—Albert Smith & Sons, Superior, Neb.
Feb. 10—J. E. Bowser, Abilene, Kan.
Feb. 10—J. H. Hamilton & Son, Guide Rock, Neb.
Feb. 11—C. S. Nevius, Chiles, Kan.
Feb. 11—W. B. Van Horn, Overbrook, Kan.
Feb. 14—A. P. Wright, Valley Center, Kan.
Bred sow sale.
Feb. 16—J. H. Harter, Westmoreland, Kan.
Feb. 16—J. D. Spangler, Sharon, Kan.
Feb. 17—Bred sows, B. Van Horn, Overbrook, Kan.
Feb. 18—Geo. W. Smith, Burchard, Neb.
Feb. 18—Miller & Manderschied, St. John, Kan.
Feb. 28—W. R. Stump, Blue Rapids, Kan.
March 4—C. H. Pilcher, Glasco, Kan.

Free Guide on Trapping.

Well Bros. & Co., the old established Fur house of Fort Wayne, Ind., begin their season's advertising with us this issue. It will pay to look up this advertising and write them, and get their new price list, and their Trapper's Guide, which they send without charge to all who inquire. This house has been in business since 1871. They

employ a large capital, and they are offering some special prizes to hunters and trappers, which are fully explained in their circular, which they will send if you write them.

Baker Bros. Sell Nov. 4.

On Friday, Nov. 4, W. M. and Charles Z. Baker of Butler, Mo., will sell 63 head of strictly first class Poland Chinas of the large, smooth kind. In this offering are five fall yearling boars that are large, husky fellows that are ready for hard service. You can make your own choice of breeding. They have them by Big Hadley, King Ex. 3d, John Ex., King Blain and Blain's Wonder. Don't fail to get one of the Baker Bros.' catalogs. This is their first sale and the offering is good.

H. R. Coffey, proprietor of Richland Grove Farm, Savannah, Mo., and one of the leading breeders of Missouri, is a new advertiser in the Farmer. Mr. Coffey's excellent herd of richly bred Shorthorns is headed by Lavender Goods, sired by White Goods, and bred by Thomas, Jamison & Mitchell of Allen, Kan. Second herd bull, Victor Orange, sired by Old Victorious and bred by W. A. Bettridge, Pilot Grove, Mo. The entire herd is of the richest breeding and Shorthorn breeders will find it to their interest to inspect this herd if in need of breeding stock.

Medium Type Poland Chinas at Auction.

The opportunity of the season to buy medium type, well finished and richly bred Poland Chinas will be at Mr. George W. McKay's sale, to be held at Laredo, Mo., on Friday, Nov. 4. Mr. McKay is one of the very successful breeders of his state, not easily influenced by the fads and fashions of his time, he has adhered strictly to the medium hog, believing that this type is the best from both the farmer's and breeder's standpoint. Mr. McKay has no use for the roly-poly kind; neither the big course fellows. He has cataloged for his coming sale 66 head, comprising 20 spring and summer males, 43 fall, spring and summer females, eight of which have been bred. The offering was sired by Mr. McKay's richly bred herd boars, Impudence Style and Fancies Perfect, and out of dams such as Huldy's Darkness (120971), Faith (105910), Sweet Clover (120868), Hackberry (119643), Indiana Girl (119700), Blanche 134135 and others of equally as good breeding. Included in the offering are a number of real show hogs, some of them having already won ribbons at county fairs. Free entertainment for visiting breeders. Write for catalog, mentioning Kansas Farmer.

Closing Out Poland China Sale.

On account of poor health, H. W. Griffiths, the veteran Poland China breeder of Clay Center, Kan., has decided to close out his entire herd. The sale will be held at Mr. Griffiths' farm, seven miles northwest of town, on Wednesday, Nov. 2. There will be 140 head in the sale, divided as follows: Fifteen tried sows, 30 big, strong, spring boars, the herd boar, Clay Jumbo, 40 fall pigs, remainder spring gilts. Nearly all of the spring stuff was sired by Clay Jumbo with a few good litters by Voter and Grand Court by Courtier. All of the fall pigs are by Clay Jumbo. The tried sows are a splendid lot, eight very choice ones being daughters of the good breeding boar, Hugh Corwin by Mogul. Others are by Expansion, Voter, Gold King and other good boars. The herd boar, Clay Jumbo, is a massive fellow and a splendid producer of large uniform stuff. He should go into some good herd. He was sired by Nebraska Jumbo and his dam was an Expansion bred sow. The many friends of Mr. Griffiths will regret to see him disperse this great herd, but they will doubtless appreciate the splendid opportunity to get a start in the best.

Trapping Season is Near.

Few people have any idea of the thousands of dollars worth of furs that are shipped to market every year by men and boys who trap as a healthful, invigorating sport. Mr. S. S. Pingree, president of the greatest fur house in the world, F. C. Taylor & Co., St. Louis, Mo., said recently: "I don't know that there are any figures showing the catch that comes in from farms, but I know from our own experience, that it amounts to thousands of skins. Some of the most valuable skins we receive have been caught by amateur trappers. We frequently send to men and boy trappers on the farm \$150 and upwards for their season's catch, which is quite a nice sum added to their savings." This company issues a reliable Trapper's Guide, which it will send to our readers free. It tells how, when and where to trap, has accurate illustrations of all the fur bearing animals of the United States and Canada, and a reliable diagram showing all the game laws of both countries. A special feature of the book refers to Animal Bait, and the facts there given are as important to trappers as traps. This Trapper's Guide will be sent free upon request to F. C. Taylor & Co., 175 Fur Exchange Building, St. Louis, Mo.

George W. Smith's Coming Sale.

Thursday, Nov. 3, is the date selected for Mr. George W. Smith's big type Poland China sale. The sale will be held at Mr. Smith's farm, nine miles southeast of Burchard, 11 miles southwest of Pawnee City, Neb., and seven miles northeast of Summerfield, Kan. Mr. Smith is one of the most enthusiastic and progressive Poland China breeders of his state and this year's crop of pigs demonstrates his ability to mate the kind that produces size and quality. Mr. Smith will sell 45 head, divided as follows: Twenty-five spring boars and 20 gilts, every one farrowed in March, making the offering very uniform. About half sired by the great young sire, Mammoth Hadley, one of the very best sons of the noted Big Hadley. The dam of Mammoth Hadley was Lady Hutch by Bright Look, winner of first in class at Nebraska State Fair a few years ago. Mammoth Hadley in his present form measures 65 inches length, heart 18 7/8 inches, and has a 11-inch bone. Other

pigs in the sale are by Mr. Smith's young boar, Looks Model, sired by Looks Grand. The litters of Looks Model and out of Mammoth Hadley sows are exceptionally good. One of the very best boars in the sale is by Mammoth Hadley and out of Violet by Chief Gold Dust. A litter out of this sow and same boar was the top litter last year. Among other dams of the offering are sows by Pfander's Giant Pride, First Quality, Royal Blue and other well known big type sires. Mr. Smith will sell the pigs in excellent breeding condition and invites all of his old customers and as many new ones as can attend. Free conveyance has been provided from Pawnee City, Burchard, Book-walter, Neb., and Summerfield, Kan. Make your selections from catalogs which may be had upon application. Bids may be sent to Jesse Johnson, at Burchard, Neb., in Mr. Smith's care.

Mr. Peckham's sale at Pawnee City the day before. Arrange to attend both sales.

R. J. Peckham's Nov. 2 Sale.

R. J. Peckham, breeder of strictly big type Poland Chinas will hold his annual fall sale at farm, five miles southeast of Pawnee City, Neb., Wednesday, Nov. 2. The offering will consist of 35 big, strong, spring boars and 15 spring gilts, all of March farrow, about half sired by O. K. Chief by O. K. Price, he by the noted prize winner, Price We Know. The other half is by Looks Chief by Looks Grand, out of a dam by Pfander's Giant Pride. In these two sires Mr. Peckham has boars of great worth as producers of well finished big hogs. Among the best litters is one sired by Looks Chief and out of Standard Queen. There were 13 in this litter, 10 of them raised. One out of Lady M, by Major Blain. Her dam was Curtis Chief 2d Sussie L. One of the litters that should attract attention in any sale is out of the sow Tecumseh Gold Dust, the sow that topped John Blain's closing out sale at \$251. She produced the highest priced litter, the highest priced boar and gilt at Mr. Blain's last fall sale, and is perhaps the greatest sow Mr. Blain owned. This litter was sired by what Mr. Blain considers the best son of Big Hadley that he ever bred, Nan Patterson, one of the biggest sows in Nebraska, has several pigs in this sale. Josie C. by King Do Do will also be represented with a part of a litter of 13. Other dams represented in the offering are by Chief Gold Dust, King Do Do, Blain's Tecumseh, Longfellow and O. K. Chief. Free entertainment for visiting breeders at Exchange Hotel, Pawnee City, Neb. Also free conveyance to and from farm. Catalogs ready for distribution, write for one, read it, make up your mind to attend or send bids to Jesse Johnson, at Pawnee City, in Mr. Peckham's care.

George W. Smith sells at Burchard the day following. Attend both sales.



ERIE EXPANSON. Owned by J. W. Peiphrey & Son, Chanute, Kan. A number of his get will be sold in their sale Nov. 2, 1910.

America's Greatest Need.

Mr. J. J. Hill, one of our great authorities on agriculture and an avowed champion of the American farmer, claims that what America needs is not more battleships but more agricultural colleges. Not more men learning how to fight better but more men learning how to farm better. One of the most crying needs for improvement, to which Mr. Hill and all other agricultural experts are continually pointing, is better seed selection. They point with shame to the fact the United States, with all our wonderful soil advantages, raises poorer wheat and less wheat to the acre than any country in the world. Germany with infinitely poorer soil averages twice the yield per acre that America does, and England, Holland and other countries raise still more. There is no question but that one of the chief reasons for this is poor seed selection. It has been proved that the simple expedient of sowing only his best seed will often double a farmer's wheat crop. The highest agricultural authorities have repeatedly called attention to the fact that a good fanning mill, such as the Chatham, is the most valuable machine on the farm. Other machines do much toward reaping the biggest possible per cent of your crop, but the Chatham Fanning Mill goes back of that and increases—often doubles—the crop itself. If you haven't a fanning mill drop a line to the Manson-Campbell Company of Detroit,

Mich., and get their literature on the value of a Chatham Fanning Mill. Kindly mention Kansas Farmer when writing.

Bond's Duroc Auction.

Wednesday, November 9, is the date of Alfred Bond's sixth annual Duroc Jersey sale. The sale will be held at Mr. Bond's farm near Robinson, eight miles southeast and twelve miles northeast of Horton, Kan. The offering is an excellent one and consists of spring boars, spring gilts and a nice lot of fall yearling gilts. Mr. Bond has bred Durocs for a good many years, and has been a liberal buyer at some of the best sales held in the west. His present herd boar and sire of all the spring stuff is Hillcrest, a son of the prize winner, Lincoln Chief, sired by 2d Goldfinch. Part of the fall yearlings are by Hillcrest Chief, others by Bond's Advance, a son of the noted Proud Advance. Mr. Bond has a herd of sows noted for size and quality. Among them are daughters of Bond's Proud Advance, Golder, Lincoln Chief, Leader 32477 and others of equal breeding. Mr. Bond feeds and handles his pigs in a manner calculated to preserve their usefulness as breeders, and his pigs make good. Write for catalog mentioning Kansas Farmer, and either attend or send bids to fieldmen or auctioneers.

Hammond is Busy.

W. T. Hammond of Portis, Kan., writes that he has made more sales of Poland China hogs this season than in the same time of any preceding season and that he also has an excellent trade in Shropshire sheep. He now has 20 boars and 30 gilts of March farrow for sale. These are dandies and some of the boars are herd headers and show prospects. They weigh around 200 pounds and are priced at \$25 if taken this month. The gilts are equally good and just right to start a herd. All were sired by Valley Chief, champion at Smith Co. fair. His sire, Blue Valley Blue, was second at Nebraska State Fair. This is the largest, smoothest and best bunch of boars and gilts he has ever offered. Go and see them or write and mention Kansas Farmer.

Laut Bros.' Sale Nov. 16.

The writer had the pleasure of calling on the well known Duroc breeders, Laut Bros., at Cherryvale, Kan., this week. Their sixth annual Duroc sale will occur on November 16. Next week's issue of Kansas Farmer will contain their ad. The blood of Ohio Chief and Old Kant has been two of the highest priced breeding boars in the world, is strongly in evidence in the sale offering, to be sold in this sale. This will be one of the rare opportunities of the year to buy high class, copy Durocs. The Laut Bros. are breeders that need not take second place to anyone when it comes to selling a real first class lot of Durocs. What they will offer on Nov. 16 will be the cream of many years' experience, combined with the best blood lines. They will have something that will please anyone. Write for ad in next week's issue an arrange to attend this sale. Send your name in early for a catalog. Please mention Kansas Farmer.

Van Patten & Sons' Sale.

The sale of Durocs held by the above firm on October 21 at Sutton, Neb., brought out the largest crowd of breeders and farmers we have seen at a hog sale this year and the result was the best Duroc sale we have heard of this season, 35 head being sold at an average of \$50.

- 1. Henry Molde, Sutton, Neb. \$50.00
2. O. R. Lytle, Sutton, Neb. 50.00
3. R. L. Beecher, Randall, Neb. 80.00
4. H. H. Koenig, DeWitt, Neb. 52.00
5. Johnson Bros., Brooklyn, Ia. 60.00
6. J. C. McQuolin, Glassford, Ill. 47.50
7. J. P. Mulvihill, Sutton, Neb. 30.00
8. O. R. Vellous, Mo. 71.00
9. Gilbert Van Peck, Sutton, Neb. 57.50
10. Sam Wilson, Central City, Neb. 50.00
11. J. Schmitzel, Grafton, Neb. 27.00
12. C. A. Carlson, Saronyville, Neb. 27.50
13. Oscar Solberg, Grafton, Neb. 44.99
14. F. Aldritt & Sons, Friend, Neb. 41.00
15. Geo. Rich, Greshen, Neb. 40.00
16. V. Peter, Sutton, Neb. 46.00
17. Ed. Weston, Sutton, Neb. 29.00
18. Chas. H. Greiss, Sutton, Neb. 29.00
19. — Anderson, Saronyville, Neb. 31.00
20. Roy Matthews, Pauline, Neb. 35.00
21. O. S. Benson, Sutton, Neb. 40.00
22. S. H. Dunbar, Plattsmouth, Neb. 40.00
23. H. H. Greiss, Sutton, Neb. 54.00
24. E. K. Young & Son, Havelock, Neb. 70.00
25. Larson Bros., Geneva, Neb. 60.00
26. G. M. Harvey, Edgar, S. Dak. 30.00
27. O. G. Smith & Son, Kearney, Neb. 85.00
28. A. Pottell, Sutton, Neb. 46.00
29. J. Pritchard, Sutton, Neb. 37.00
30. W. T. Barnes, Bertrand, Neb. 46.00
31. J. Kearney, Overbrook, Neb. 54.00
32. A. A. Swanson, Sutton, Neb. 87.50
33. W. T. Barnes, Sutton, Neb. 50.00
34. J. Kearney, Sutton, Neb. 51.00

WALLA WALLA THE HOME OF AGRICULTURE. Destined to be the hub of the Great Northwest, climate is equable, no extremes, is exceptionally healthy, excellent school facilities, abundance of pure water. Thousands of fertile acres eager for development, prices reasonable, ten acres means independence. Write for free illustrated booklet N. Commercial Club, Walla Walla, Wash.

## WALTER'S Expansive Poland Chinas At Auction

AT FARM NEAR  
**EFFINGHAM, KAN., TUESDAY, NOV. 1**

55 head of the biggest, smoothest and most uniform individuals that I have ever offered to the public

26 Spring Boars :: 26 Spring Gilts

Strictly tops. I am making no winter sale so am putting my very best in this sale. Three choice fall yearling gilts, the best of my fall crop. Majority of the offering by Expansive, one of the greatest breeding sires living. Fall gilts and few spring boars by Logan W. 51871. Others by Mastery, the Mogul-bred boar now heading F. A. Trapp's herd. One choice litter by the noted Colossus and one boar by Big Tom, the boar that topped one of the best Nebraska sales last year. Among the dams of this great offering are daughters of Jansen's Mogul, Logan B., Expansive, Looks Grand, many others rich in the blood of Expansion, First Quality, etc.

This is my best offering and I am anxious to have you see it. Come whether you want to buy or not. Free entertainment and conveyance to and from farm.

Catalogs now ready. Send for one. Send bids to Jesse Johnson in my care.

**H. B. WALTER**  
Effingham. : : : : Kansas

Auctioneers—H. C. Duncan, John Daum.

## 50====50 POLAND CHINAS That Are Tops Go Into Our Sale

**Wednesday, Nov. 2**

At Farm Five Miles South East of

**Pawnee City, Neb.**

I have raised a large number of pigs and can put up a first class offering after culling very closely.

35 spring boars and 15 selected gilts. The boars are very large, husky, heavy boned fellows, a few of them perhaps a trifle coarse but just the kind to put more size and prolificness into your herd.

Every one is of March farrow and I don't believe there is a more uniform lot to be sold in the state this year. About half are by my herd boar, O. K. Chief by O. K. Price, he by Price We Know, the boar noted for size and smoothness and winner of first at Nebraska State Fair. The others are by my young herd boar, Look's Choice by Look's Grand and out of dam by Pfander's Giant Pride. There will be pigs out of litters from such sires as Standard Queen by a Shattuck bred boar—13 in this litter, Susy M. by Major Blain, Susy L. 2d raised litter of 9. Tecumseh Golddust, the sow that topped John Blain's closing out sale at \$251, has several dandies in sale sired by the best son of Big Hadley according to Blain. Nan Patterson by Major Blain, one of the biggest sows in Nebraska, has pigs in sale from litter of 13. Others are out of daughters of King Do Do, Chief Golddust, etc.

Catalog giving age, breeding, etc., sent upon application. Examine it and come or send bids to Jesse Johnson in my care. Breeders stop at Exchange Hotel, Pawnee City. Free conveyance to farm.

**R. J. Peckham, Pawnee City, Neb.**

Auctioneer—L. W. Leonard.

## GEORGE SMITH'S MAMMOTH HADLEY POLAND CHINA OFFERING

At farm seven miles from Burchard, Neb., five miles from Pawnee City, Neb., and seven miles north of Summerfield, Kansas

**Thursday, Nov. 3**

45 head in all, divided as follows: 25 strong spring boars, 20 top gilts, all of March farrow and very growthy and even; two-thirds of them by my great Hadley boar, Mammoth Hadley by Big Hadley. His dam, Lady Hutch, was sired by Old Bright Look, first and sweepstakes boar at Nebraska State Fair several years ago. Mammoth Hadley breeds size and quality and his part of the offering is exceptionally strong backed and all have extra good feet. The remainder of boars and gilts are by my young boar, Look's Model, sired by Look's Grand and out of one of Chapman's great sows. Among the attractions will be pigs by Mammoth Hadley and out of Violet by Chief Golddust, one by Mammoth Hadley and out of Pfander's Giant Pride. Miss Quality by First Quality has good litter. Several good litters are out of Mammoth Hadley sows and sired by Look's Model. Every pig that goes into the sale has passed inspection and I can honestly say there isn't a poor one in the sale. This isn't the best offering of the season but it is in fact one of the good ones. Catalogs ready now. Write for one. Free conveyance from Pawnee City, Burchard, Bookwalter and Summerfield.

**Geo. W. Smith, Burchard, Neb.**

Auctioneer—L. W. Leonard.  
Send bids to Jesse Johnson, representing Kansas Farmer.

## Short Grass Herd OF Poland China Hogs

THE BIG TYPE HOT BLOODS

Will Sell 100 Head on

**NOVEMBER 19, 1910**

There are 20 prize winners included  
in this sale

Consisting of my entire herd except my fall crop of pigs. There will be some of the greatest animals known sold in this sale—the sow, Keep On Sunshine, the dam of all the champion boars at Kansas State Fair; King Darkness, the sire of more prize winners at Kansas State Fair than all other boars combined. All of my show herds will go in this sale and such noted sows as Weeping Willow, Lady Belle, Darkness Last, and a number of others. Seven Meddler 2d sows, all the very choicest of his get. I have not space for all of the great sows. The young boar, Toastmaster, that topped the sale at Eldon, Mo., last fall, the reserve grand champion and reserve junior champion boar at Kansas State Fair 1910, and a number of the greatest prospects for herd boars and show boars for another year that can be found anywhere on earth, and my record has proved it. Come to the banquet the night before the sale and if you don't find them as good or better than I represent I will pay your expenses on the trip. Send at once for catalog. Yours for better hogs.

AUCTIONEERS—Col. John D. Snyder, Col. H. O. Correll, Col. James W. Sparks.

**G. W. ROBERTS, Larned, Kansas**