

KANSAS FARMER

FOR THE IMPROVEMENT



OF THE FARM AND HOME

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The Mule As a Profitable Farm Animal

By L. M. MONSEES,

Before Kansas State Board of Agriculture

The mule is a profitable farm animal because he is a money maker. He is a money maker as a slave animal, and he is a money maker as an animal to grow on the farm for the market. Any good mule at two years old is ready to do considerable work and will from that age on make a profit over and above his feed and expense bill in the value of his labor, and at the same time be growing into a more valuable mule until four or five years old, at which age he is pretty well matured and will command the top of the market as far as age is concerned.

The mule is a very profitable animal to raise on the farm, because he is less subject to blemishes than any other of the horse kind, and he is much less subject to diseases than any animal on the farm. The mule can be grown on less feed than any animal of the farm of equal size, weight and value. The mule is one of the cheapest slave animals you can possibly use on the farm, ranch or on public works. He can do more work on less feed, can do it better, and look and do better on rough treatment than any of the horse kind. There is no animal so easily and pleasantly handled on the farm or ranch as the mule. The farmer or ranchman or railroadman who works, say ten, twenty or forty or more teams of mules, all he needs in the way of a barn to handle his bunch of mules is a good paddock or lot of one or more acres according to the number of teams that he is working, and in this paddock build a good shed suitable to whatever country or climate you are in. Take it in Kansas or any of our central or northern states, you want a good shed well boxed up on the north, west and east sides and open to the south, and in this paddock have a good long rack and keep it well filled with good sweet hay, corn fodder, cane or other good roughness. Also in this paddock must be a good trough and kept well filled with good sound corn, oats, bran, barley or other good grain feeds. There must also be in this paddock, a tank supplied with good water. This is all you need to handle a bunch of good work mules. When your mules come in from work take the harness off and turn them loose in the paddock. The first thing they do is to lie down and take a roll, he will lie there a few minutes and then get up, walk over to the hay rack and eat a little hay then he will go to the water tank and drink, then take another roll, lie there and rest a few minutes and get up, go to the grain trough and eat some grain and then back to the hay rack and eat some more hay. In this way he will eat, drink and rest all the night through and when daylight comes or when ever you are ready to go to work Mr. Mule is ready. All you have to do is to go out into the paddock catch your mules, put their harness on and go to work. No stabling, no bedding, no currying and no feeding only by one man who sees that these troughs and hay racks and water tanks are kept clean and plenty of good feed and water in them. A bunch of work mules handled in this way and worked hard every day, will at the end of six months be better and fatter than when you started with them unless you buy mules out of the feed pen where they have been pampered and have the big fat on.

Now you could never handle a bunch

of horses in this way, it would only be a few days until your horses would begin to show up bad, some would be foundered, some crippled and some lame. A mule seldom balks or runs away and if he does run away he seldom ever gets into a place where there is any danger but you often find a balky horse and when the horse runs away he tears up the harness and wagon or plow and often cripples himself. Take the average farmer here in your state of Kansas, the farmer who raises a few head of stock of all kinds, cattle, hogs, sheep and horses and breed and raise mules and he will find that the mule is one of the best paying animals on his farm. As

I said before it does not take so much to raise a mule and before you know it he is old enough to work and you always have plenty of work stock, and have a few good teams to sell every year. You show me a farmer here in Kansas who raises a few good mules every year and I feel quite sure he is a man with a pretty good bank account and a man with a pretty good credit. I do not know how it is here in Kansas and other states, but in Missouri if a man goes to a bank to borrow money, the first thing the banker asks is, How many mules have you? The farmer says I have fifty good two-year-old mules, the banker then

says, we can let you have \$5,000.

The question has so often been asked, how long will the mule market keep up, or at a price where we can afford to raise them? Now I will answer this question by asking you the following questions, you tell me when the farmers in the United States are going to quit growing corn, wheat, oats and hay and when the planters in the south are going to quit growing corn, cotton, sugar cane and rice, when the lumbermen are going to quit cutting lumber, when the coal will all be taken out of the earth and when the railroad building will stop, then I will tell you when the mule will get so cheap the farmers cannot afford to raise him. There is nothing in sight to put the mule out of existence and there is nothing in sight to take the place of the mule. The mule fills a position where no other animal or steam power can fill the place as well as the mule, and the mule is becoming more and more in demand every day. It is only the past few years that we have been sending our mules to the state of Maine to the great lumber camps. The lumbermen thought the mule could not do the work and stand the climate, so the lumbermen ignorantly stuck to the horse until some mule crank, "I think it was from Missouri," drifted into the lumber camp with a few good mule teams and showed those fellows what the mule could do and how easy and how cheap it could do it, and what is the result? Why, they have a man or two from Maine here every year buying mules for the lumber camps and they buy the best mules that they can find and pay from \$500 to \$700 a pair for them, and by the time they get them to the lumber camps they cost from \$800 to \$1,000 per pair and at that the lumbermen find the mule the cheapest power they can use to get in the logs and transfer the lumber from the mills to the car, etc.

I had the pleasure not long ago to meet Dr. Emilio L. Luaces of the Animal Industrial and Experiment Station of Cuba and in our conversation which was principally on the horse and mule question, I asked the question what they thought of the American mule. He said they considered them the greatest slave animal we have ever had on our ranches. He says there is no other animal on earth that can take the place of the mule with us, not only in harness, but also under the saddle. I said to the doctor, you do not mean to say the mule is taking the place of saddle horses for your overseers; he says yes, all our overseers are putting the saddle horse away and using mules, as the mule can get around in the heat and over the hills so much better and they last so much longer than the horse. I also asked the question, what kind of a mule they preferred for their saddle mules? He said they want a trim lively mule 14-2 to 15 hands and one that can go the run walk, single foot and canter.

So you see there is a place for all classes of mules from the 16-2 hand 1800 pound mule to the 12-2 hand little mule to send into the mines. The mule is one animal that has never been tried and did not fill the bill. The American people used to

(Continued on page 5)

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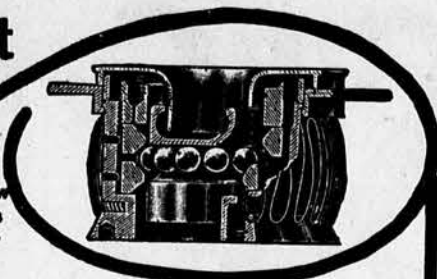


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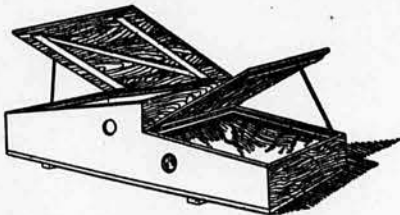
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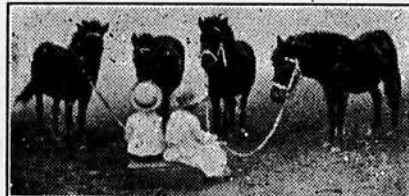
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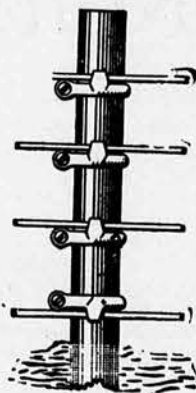
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Live Stock Conditions in Kansas

By J. H. MERCER,
State Live Stock Sanitary Commissioner

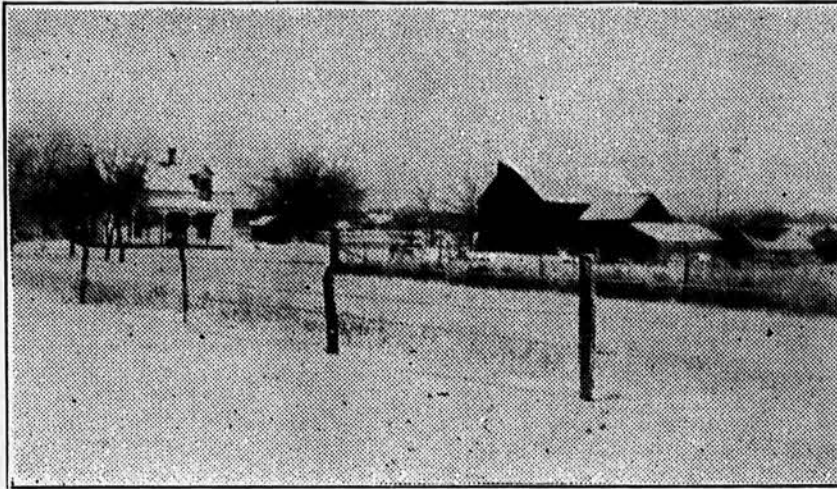
The department over which I have charge looks after outbreaks of contagious and infectious diseases among the live stock of the state. What I knew of the work of the department before assuming charge and by the records on file warrant me in saying, the department has paid but very little attention to diseases among stock other than mange and Texas fever outbreaks. But the law says all contagious diseases shall come under the supervision of the department. And there are many other diseases besides scabies and Texas fever.

For five years or more there has been a general quarantine existing against several of the counties of the western part of the state, extending from the north to the south line. On April 1, when I assumed charge of this department, there were 27 counties under quarantine. Since that time we have raised the quarantine from 11 of these counties. This quarantine exists on account of scabies among cattle. This is not a very serious disease as it seldom ever kills, but cattle affected with it do not thrive as well, yet the highest price beef ever sold on the Kansas City market was reported by the government to be 50 per cent or more infected with scabies. The government's regulations and restrictions against this disease are the same as those of the state, and they maintain inspectors in this territory to do the same work as that done on the part of the state. Knowing this to be a fact, it occurred to me that it was a useless proposition to maintain a state inspector at state expense in a county or district where there was a federal man stationed to do the same work. Therefore, I took up the proposition with the department at Washington on the plan of co-operation in this line of work, and the result was entirely satisfactory. We commissioned federal men as state men without compensation and thereby sustain a large saving to the state in the way of salaries to inspectors. Commissioning federal men as state men gives them the authority to take charge and quarantine and regulate matters under our state laws.

In regard to Texas fever, that has been very disastrous to Kansas stock interests for a great many years. Of later years and at the present time there is not so much serious danger as there used to be. The very stringent restrictions against the movement of cattle from what we term "southern territory," by the federal government prevent the danger there used to be from outbreaks of this trouble. On account of these stringent restrictions the railroad companies will not receive cattle from these infected territories only for points for slaughter, consequently the danger is very largely eliminated. Our state law does not permit the unloading of these southern cattle except under certain conditions and a certain period of the year.

We also look after the diseases of the horses of the state. Many cases of glanders have been reported to our office. This is a very serious disease. It appears to me our law should be changing along this line. The present law determines a glandered horse of no value. However, it has been known that a horse infected with glanders has lived from ten to twelve years and has been of more or less service as a work horse during that time. It also is very hard to determine glanders in all cases. Veterinarians cannot always tell, consequently we are of the belief that owners of horses condemned for glanders have some compensation for them when destroyed on the part of the state. Many accounts of this nature have been presented to the legislature but in very few instances have they been allowed. I think the proposition of changing the law is worth consideration. I think it advisable that you as stock breeders take this matter up with your representatives that the law be changed so there would be appraisement made when the state destroyed glandered horses and an allowance made for same; the same as our tuberculosis law on cattle.

In Sheridan county this spring a farmer wrote me stating that he thought he had some contagious disease among his horses. Having some



Farm home of Mr. and Mrs. A. G. Nelson, Route 5, Chanute, Kan., breeders of pure-bred Brown Leghorn poultry.

business in that part of the state anyway I drove out to see him. I found had two fine young mules about four years old and 10 head of horses. Some of them were splendid horses. It appeared that about three months before this he had traded horses with a mover going through the country. In a short time he noticed that there was something wrong with this horse he secured in the trade and that the disease was glanders. While I was there we destroyed this horse, there being no chance of his recovery. I afterward sent the veterinarian from the State Agricultural College to test the remainder of this man's horses for glanders. This test is made with the Mallein furnished by the Bureau of Animal Industry at Washington. This test showed that four more were infected with glanders. Two of them were of no great value, but the other two were very valuable horses, easily worth \$150 each. Several others of the herd were suspicious. It is my duty to have all horses destroyed that are condemned for glanders, but I gave this man the privilege of keeping two of these horses for a retest so that we might be sure there was no mistake made, but the final result was in this case the man lost seven head of his horses, and as I said before, the law allows no appraisement for glandered horses, consequently this made a very heavy loss financially for this man.

I wish now to speak only for a few moments on hog cholera. I wish to tell you a few things I know about this disease and the serum the government has discovered as a preventive for it; also the experiments we have gone through with the government's agent here in Kansas.

Some time in June of last year, I had a communication from Dr. Melvin, Chief of the Bureau at Washington, stating that there would be a test of the government hog cholera serum made at the Kansas City Stock Yards during the month of July, and requested that I watch the results. I made three trips to the Stock Yards during the time this experiment was going on.

The Stock Yards Company of Kansas City purchased 35 head of shoats and gave them to the government agent to make this test with. They

were healthy, fine shoats, brought from premises where there had been no cholera existing for years. They vaccinated 22 head with the hog cholera serum, four head with the virulent cholera blood, and the other nine of the 35 were check marked and were all put in the same pen. On the ninth day the four head vaccinated with the cholera blood died and the nine head that were not vaccinated at all died along from day to day until the twenty-fourth day, when the last one died. The 22 head vaccinated with the hog cholera serum were taken from the pen on the thirtieth day well and healthy shoats and have remained so ever since. This was the first demonstration of the kind I had ever seen, but I want to say, gentlemen, that this is a demonstration that cannot be refuted, because I witnessed it myself as well as many others and know there is something in it.

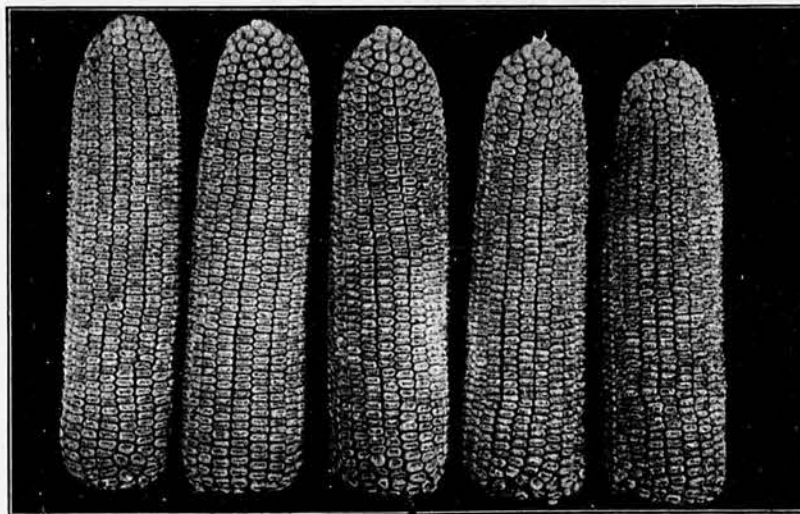
I at once applied to the Department at Washington for serum to use in Kansas. The Department informed me that their plan was only to furnish limited amounts to the states for experimental purposes, and would be glad to send an agent to make experiments wherever there were any outbreaks of cholera. During the month of November last, the Department sent Dr. Greeder from their Station at Ames, Ia., to make these experiments. Knowing of cholera existing in my own county, it was but natural that I would go there first. There was some very bad outbreaks of cholera in Chase county at that time. These tests were made by the government agent, he determining what herds should be tested. I will call your attention to but one instance. A farmer by the name of Henry I. Mache had lost about sixty head of his hogs at the time we arrived and had about forty head left of which 23 were small shoats, weighing from sixty to seventy pounds. Indications showed that they were very sick with cholera at that time. Mr. Mache informed us that he wanted a complete test made and said: "So far as the expense is concerned I do not want to stand in your way, as I want a thorough test made to demonstrate what there is to this serum." He purchased 15 head of healthy shoats, costing about \$9.00 per

head, and brought them to his farm where we vaccinated 10 of them, check-marking five and placing them in the pen with the 23 sick shoats. The five head that were not vaccinated died within a period of ten or twelve days, and the 10 head that were vaccinated with the hog cholera serum remained in the pen about thirty days and came out in a healthy condition. Of the 23 sick shoats, we vaccinated 13 head, seven of the 13 got well, six that were vaccinated died and the six that were not vaccinated also died. I do not say that the vaccination saved these seven shoats, as the government does not maintain that this serum will cure cholera, but will prevent its spread by vaccinating hogs that are not diseased. These tests were made in Lyon, Greenwood, Cowley and Gove counties along the same line, and in every particular it was as efficient as the one just related. Do not understand me to say that all the diseases among hogs is cholera, for some veterinarians claim that not more than two per cent of diseased hogs have cholera. I do not believe that this is true. If there is two per cent either way, the two per cent is other diseases and 98 is cholera. I think this is one of the greatest discoveries in the way of being a benefit to the stock interests of the country the Agricultural Department at Washington has ever made. They have spent millions of dollars in experimenting along these lines, but this discovery alone will amply pay for all such expenditures.

At the present time, the Agricultural College at Manhattan is prepared to furnish a limited amount of this serum, but we are afraid that they will not be able to supply all demands until after the next legislature meets and makes an appropriation for this purpose.

One other thought and that is relative to the tuberculosis law. A law was passed last winter making provisions for testing cattle for tuberculosis and an appropriation made for carrying on this work. This appropriation was not very large, but probably large enough to begin with. This law authorizes my Department to issue rules to carry out its provisions, and I issued a rule effective April 1, 1909, stating that all cattle to be used for dairy purposes should come under the provisions of this law. The law states that wherever, in the judgment of the Live Stock Sanitary Commissioner, a test for tuberculosis is advisable he shall direct the state veterinarian to do the work and he shall do it or some veterinarian he may designate. The tests are made along this line: the veterinarian takes the temperature of the animal about four times say today, and then tomorrow the tuberculin is injected and temperature taken from four to eight times again about two hours apart. Should the temperature rise from three to four degrees after the injection is made, the animal is supposed to be infected with tuberculosis. The animal is then tagged or branded in a way and the owner is required to separate infected animals from the well ones and keep them separated until the infected ones are disposed of. The manner of disposing of tuberculous animals is provided for in the law this way: the owner can ship them to a market where government meat inspection is maintained and have them sold subject to post mortem, realizing what they bring, or he can turn them over to the live stock sanitary commissioner, who with the owner appraises the value of the animal and the owner receives one-half of this appraised value, and a warrant is drawn on the county for this amount in favor of the owner by the live stock sanitary commissioner. The animals are then disposed of by him and whatever proceeds are derived from this sale goes to the treasurer of the county on which the warrant is drawn.

Out of the 1,000 or more cattle that have been tested for tuberculosis under our direction, up to date only three have been turned over to the state, one of these disposed of at the Kansas City Stock Yards, and the other two at the packing house in Topeka. In every case where these condemned cattle have been disposed of evidences of tuberculosis have shown to exist.



The kind of corn raised by the TenEyck Seed Co., Concordia, Kan.



KANSAS FARMER

EDITORIAL



Imports of unmanufactured silk into the United States made their highest record in the calendar year just ended, their total value having been 75 1-2 million dollars, against 73 million in 1907, the previous high value record, while the quantity imported in 1909 exceeded that of 1907 by over 40 per cent.

Dr. F. S. Schoenleber of the Veterinary Science Department of the Agricultural College has now on hand about 30 hyperimmune hogs from which he can draw blood for the manufacture of serum with which to prevent hog cholera. As will be seen in another article in this paper, the securing of this serum is rather an expensive proposition.

Ralph Caldwell, who, with several of the special students in entomology at the Kansas State Agricultural College, spent last summer in a campaign against the San Jose scale, has now been detailed to look after the spraying operations for this and other pests in the northern half of the state. He is already in the field at work, and will maintain headquarters at Kansas City, Holton and Wathena.

Prof. J. H. Criswell, has been elected dean of the Winona College of Agriculture, to succeed Prof. W. C. Palmer, who has resigned. Prof. Criswell is a graduate of the Kansas State Agricultural College in the class of 1889. He also took post graduate work at the Iowa Agricultural College, where he was for a time an assistant in animal husbandry. Prof. Criswell is a Kansas product, raised on a Kansas farm, educated at a Kansas college, and prepared in every way to bring credit to himself and his state.

In a bulletin issued by the United States Department of Agriculture in which the effect of a recent act of Congress for the prevention of the adulteration of seed is shown, it was found that out of 359 samples of alfalfa seed secured from different sections of the country, 107 contained dodder though none were either adulterated or misbranded. Of 630 samples of red clover 54, or less than 10 per cent, contained dodder as contrasted with more than 50 per cent last year. Of 379 samples of orchard grass, 55 were found to be adulterated with meadow fescue or rye grass, or both and of 446 samples of Kentucky blue grass, 14 were found to be wholly or in part the seed of Canada blue grass. Last year the number of adulterated samples was 39 which shows a decided decrease.

A commission in Massachusetts has reported adversely upon a scheme for the public acquisition of suburban lands and assisting renters to become owners of homes. It is declared that state participation is both unnecessary and unwise. Private enterprise can be relied upon to carry on work of this kind to as great an extent as promises reasonable profit, and private capital can perform the function as cheaply as could the state. But it is pointed out that suburban development should be encouraged in every possible way, as by adequate facilities for transportation, economy in public expense, and consequent low taxes, and by the extension of borrowing opportunities through co-operation. Perhaps sound advice of this kind will have more social value than could the plunging of the state into land investments.

Carl F. Chase, of the Nebraska School of Agriculture, has recently been elected to the position of assistant in farm mechanics at the Kansas Agricultural College. He will begin his new duties at the opening of the spring term and for the present at least he will devote his time to the teaching of farm mechanics, crop production and farm management in order to assist the badly over crowded agronomy department. Mr. Chase has done some excellent work in the Nebraska institution as well as on his home farm which is said to be one of the finest in Nebraska. He comes to the Kansas institution with high recommendation and much is expected of him in this badly needed department of instruction at Manhattan.

Reports from the Agronomy De-

With which is combined **FARMERS ADVOCATE**. Established 1877.
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OUR GUARANTEE.—It is our belief that all advertisements in this paper are from reliable persons or firms. To show that we are

department of the Agricultural College indicate that the prospects for seed corn in Kansas are better than has been anticipated. Prof. A. M. Ten Eyck has been making some tests of corn from various sections of the state, and while he finds that the corn is badly damaged in places, he also finds that there is much good corn that is available for seed and is now of the opinion that Kansas may be able to supply the farmers of other states with seed corn. A word of caution is due however. Because the average is good, when the adverse weather conditions are considered, this should not deter the farmers from testing their seed corn thoroughly. There are some remarkably effective testing machines on the market that would undoubtedly pay where large amounts of seed are to be tested, though the older and more cumbersome methods may be used. At any rate, it does not pay to plant without testing.

COUNTRY COMMERCIAL CLUBS.

In most cities there are bodies of men who are associated together as commercial clubs. The chief object of these clubs is to promote the welfare of the city and, through this, the welfare of the individual citizen. These clubs are made up of men in all lines of business and very many of them are competitors with each other. In the club they work harmoniously for the common good. Without it, each would have out his little hammer and be constantly knocking on his business rivals. With the club they all prosper, without it, some do. Topeka has such a club and it numbers nearly 1,000 members and to no other single influence can be attributed the progress, both civic and commercial, which this city has attained in recent years which can be credited to this club. Wichita has two such organizations and Wichita has long had the reputation of getting what she went after. Other cities have them and they leave their imprint for good on both the business and the men of the community and both are the gainers.

If such clubs are for the good of cities and their people why are they not good for the business man on the farm as well? True, farmers are more nearly the competitors of all other farmers in a business way than are the men of the cities, but therein lies the greater need for a business organization. The grange supplies this in part, but its influence is as yet much too limited. The farmers' institute supplies it in part, but the institute is too loosely organized and too transient for a business organization. Its educational value is undoubted and its business value could be made so.

The members of the Topeka Commercial Club each pay \$10 as a membership fee and \$1 per month as dues and they take an interest in the club

in earnest in protecting our subscribers we guarantee the trustworthiness of our advertisers under the following conditions: We will make good the loss of any paid up subscriber who suffers by dealing with any fraudulent advertiser in our columns, provided complaint is made to us within thirty days after the transaction. This guarantee means just what it says. It does not mean that we guarantee to settle all trifling disputes between a subscriber and an advertiser, though we offer our good offices to this end. We do, however, protect you from fraud under the above condition. In writing to advertisers be sure always to say: "I saw your advertisement in Kansas Farmer."

CONTRIBUTIONS.—Correspondence invited on all farm topics, live stock, soil cultivation, grains, grasses, vegetables, household matters, recipes, new and practical farm ideas, farm news, Good photographs of farm scenes, buildings, live stock, etc., are especially invited. Always sign your name, not for publication, unless you desire it, but as an evidence of good faith. Address all communications to

KANSAS FARMER COMPANY,
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because it costs them something.

These club men are not wealthy as a rule. They are clerks on salary and hard working professional men and they maintain their club membership because it pays. Their work is apportioned among committees and these are responsible to the club as a whole. They meet regularly and from these meetings derive their strength. The farmers cannot meet so often, nor do they need to do so, but they can meet and committees can do the work of road dragging, destroying weeds in the highway, building bridges and culverts, road grading, roadside tree planting, roadside hedge trimming, planting the school grounds and caring for the school property, purchasing groceries, lumber, harness, etc., at wholesale rates, shipping live stock, grain, fruit or hay to advantage.

This is not a new idea. One of the richest farming communities in Kansas has been doing just these things for a quarter century. It paid them. It will pay others, at least, to think about it and think hard.

BLAME THE FARMER.

"Everybody wants to be a farmer because he gets higher prices for everything" says a Chicago daily paper, "the time will soon come when the farmer will be an object of envy and the subject of investigation like the men who have made fortunes in the great trusts, because of his great prosperity and the extraordinary advance in the prices of everything he produces. That time has come, and before another year had passed the farmers of the country will have to defend their right to the prosperity they enjoy. Not only the Secretary of Agriculture, but the Congress of the United States and the legislatures of several states are inquiring into the cause of high prices of food, and it is rather significant that the retailer, the butcher and the green grocer are blamed for the increased cost of living when the horny-handed son of toil is getting nearly twice as much for everything he raises as he did ten years ago."

Both of these statements are untrue. Everybody does not want to become a farmer for this or any other reason. The farmer has to work for what he gets and the people who write such are not that kind. The farmer does not get an excessive reward for the labor and capital invested and never has done so. It is true that farm products command a higher price than they did 10 years ago but so does farm labor, farm supplies, farm land and everything else the farmer has to buy. The tremendous figures quoted by our national and state departments of agriculture as showing the products of the farms are misleading and damaging to the very men whom they are supposed to benefit. They show only one side of

the picture and not all of that. In the government reports Kansas takes front rank as a wheat producing state and this fact is heralded all over the world as a matter of pride. But in these statistics no hint is given of the fact that our average yield per acre is only about 12½ bushels or less than one half of that of the older countries of Europe, nor is any hint given of the fact that this wheat was grown on high priced land by the aid of high priced help, high priced horses and high priced machinery.

The farmers are getting fair prices for their products but no more than they are entitled to and the margin of profit on what they produce is so close that new methods and new machinery are constantly necessary in order that they may be saved from actual loss.

The investigation as to the cost of living is all right provided it investigates but it will not touch the farmer.

GIVES FARMER'S SIDE.

I have taken notice of several articles regarding the high price of beef and the agitation of the costly living in these times and seemingly the country is at a loss, not knowing where to place the blame. But finally somebody had a vision, that the farmer was the fellow to saddle for all the wrongs of these present conditions. And why not? Because he is roaming in clover just now. He has had his buggy of late years, and a few of them are having even their automobiles, and money in banks. Some are sending their sons and daughters to colleges, and so on says Chas. Escher, the Iowa breeder, in *Drovers Journal*.

Now some of these things just mentioned must seem to some of our neighbors, who really have taken the city or town to live in, that those things mentioned above do not belong to the farmer. Something must be wrong since he can afford to have all these things; that he is making money too fast, which is the reason for all these wrongs of our present conditions and the many miseries. But alas, the farmer! Let him tell a little something of his story, as did H. H. Harshaw, of Butler Mo. Of course I admit the farmer is likened unto a cornerstone; everything that comes along is rubbing against it. This is an old saying which my mother used to say. We also know the farmer is the subject on which to place, if possible, all the ills which befall the country. And why not saddle all the present difficulty on him? Now I shall speak a word for myself. I came forty-five years ago from Pennsylvania to Iowa. At that time wheat sold at \$2.50 per bushel. Hogs were \$10 per hundred-weight. I paid \$130 for a wagon which did for all kinds of work, as well as to carry us to church. I have often looked upon myself in this wise, thinking "Had you not been of iron you could not have stood it," because I am 70 years old now and a year ago last fall I prepared and fitted a carload of show steers for the International, which work I did nearly all alone, being 68 years old. I remember only too well in the 60s and 70s when this country was new, when our barns consisted of a hay shed, some poles stuck into the ground, then some cross pieces, and covered with slough grass, and on the sides banked up with manure. That kind of a stable did for ten years. I remember only too well when I took the lines from the harness to tie the hay in bundles in order to get a little something to the cattle, else the wind would have blown it all away. I did some plowing more or less in the night when my brother neighbor was on a strike advocating an eight-hour day who is now complaining of these high prices for which the farmer is blamed. I hauled corn off for 11 cents per bushel, oats for 7 cents. I took hogs away from my farm and sold them at \$1.80 per 100 pounds. I paid 20 per cent for money. And for many years all the farmer had and looked for was only an existence. Those were the times when they called him hayseed because he was not smart and noble enough for anything else or he surely would go to a city or town and be somebody. But I must refer to something else. As stated above, forty-five years ago I came to Iowa. At that time will say if some gentleman had come to me and told me that he had 320 acres of

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land on which I could have a lease on condition first, to pay \$1 an acre rent for thirty years to come; second, to pay the taxes on said land for the thirty years; third, to keep up buildings and fences in good shape so I could make all that would be possible out of my farming only I could not count on any increase as to the value of the land, as no one at that time knew what the outcome would be as to that question, how many men would be ready for the job? But it was something else. The only thing that made the farmer of this country was the raising in value of our acres, for which we have no right to thank anybody. It was the farmer who took the brunt and paid taxes for the building of schoolhouses and bridges, which had to be done no matter even if he returned home from Chicago \$6,000 short in selling his whole year's work with 300 fattened steers—namely, \$20 loss on each steer, and which was nobody but me.

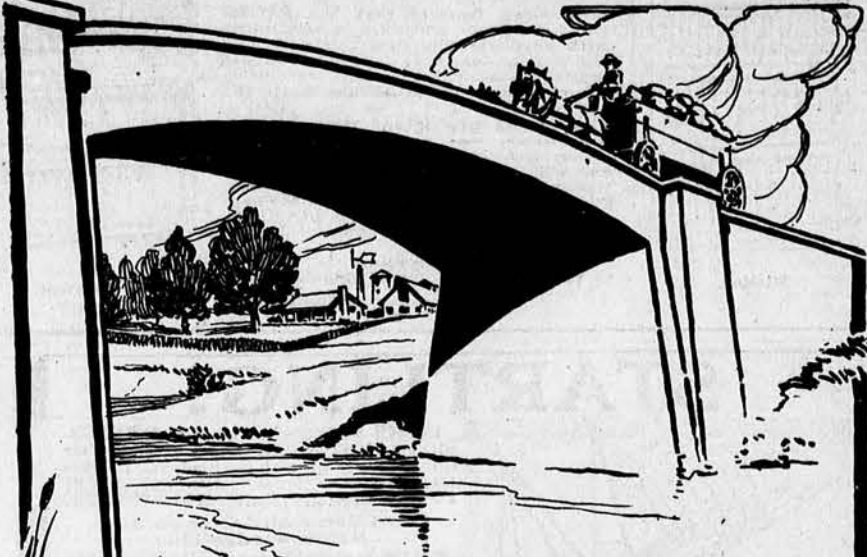
The Mule as a Profitable Farm Animal.

(Continued from page 1)

think a mule would not do for war purposes, but in the late American and Spanish war, we learned the mule was the best war animal that we could use and the Spanish general said, he feared one Missouri mule more than he did a hundred American soldiers, (now I don't know whether he meant the Missouri mule was a superior animal in war, or whether he meant the American soldier was no good.) Another question comes up and that is, how are we going to raise mules without mares. It is true we must have the mare before we can raise the mule, but we have decided to let the other fellow raise the mare. We do not remember the fellow's name who is raising these mules to sell, but whenever we get ready and need another mare, we will just sell one of our mules and with this money we will soon find the fellow who has the mare for sale. We will let the great west and northwest raise the mares. They can raise the mares much cheaper than we can and they are raising as good mares as we ever raised in the central states. The Western and Northwestern ranchman can turn the stallion out on the range with the mares and with perfect success raise horses. The ranchman can also raise mules on the ranch, but not so successful as he can the horse. Therefore these ranchmen will be glad to furnish us with all the mares we need and can furnish them much cheaper than we can afford to raise them here on our high priced lands.

Another reason why the farmer can raise the mule cheaper than he can a marketable horse, is that he does not have to have so high a bred or high quality mare to breed from. To raise a good marketable horse, you should have a pure bred mare of what ever breed of horses you are breeding and this mare should be bred to the best pure bred stallion that possibly can be found of her same breed. But to raise mules nearly any breed or class of good roomy mares 15-2 to 16-2 hands and 1100 to 1400 pounds, bred to a first class well bred 15 to 16 hand jack will raise a good mule. I would prefer a mare for a good mule mare to be by a good draft horse and out of a mare tracing to some of the hotter bloods, such as thoroughbred, saddle or trotting blood, founded on the thoroughbred than to have a full blood registered draft mare. The thoroughbreds, saddle or trotting bred mares are great mule mares if they have the size say, 15-2 to 16-2 hands and weigh from 1100 to 1300 pounds. This class of mares bred to the good jacks produce our high class sugar and rice mules and this class of mules are the best for the average farm or plantation. It pays to breed to a good jack. You can save from \$5 to \$10 by breeding to a little cheap jack at the time of breeding but you will lose from \$40 to \$100 when you go to sell. Do not disagree with your neighbor about the service fee of his jack, but insist on him getting a first class jack and then pay a good service fee and raise a good mule. One that you can sell at any age or any time and at a good price. Down in Palma Panama the mule will dig the ditch. In the far off Philippines he wears the diamond hitch. He's the active asset that will make the nation rich while we are haggling on the tariff.

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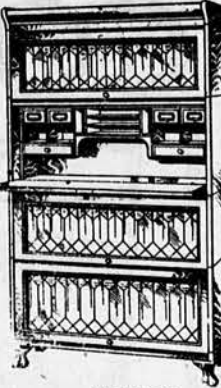
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85 cows sold for \$14,838 average... 174.54
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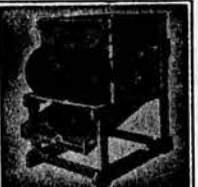
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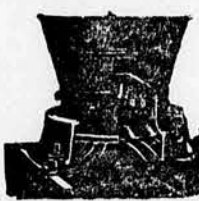
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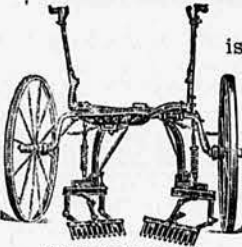
We ship on approval without a cent deposit, allow 10 DAYS FREE TRIAL and pay freight on every bicycle.

FACTORY PRICES on bicycles, tires and sundries. Do not buy until you receive our catalog and learn our unheard of prices and marvelous special offers. Tires, coaster brake rear wheels, lamps, sundries, half prices.

MEAD CYCLE CO., Dept. 5-224 Chicago, Ill.

THE TOWER SURFACE CULTIVATORS

Cultivate the Entire Surface Between Rows



(The Cultivator.)

Our "right way" spares every crop rootlet and nourishes it with plant food. The knives cut all the ground between the rows just deep enough to prepare a dirt mulch and pass above the plant roots. Our system kills all the weeds, increases the yield of corn, cotton, potatoes, etc., and is putting many corn growers in the 100 bushels to acre class. Implements pay for themselves first season. Send for free "Treatise on Corn Culture;" will convince you.

J. D. TOWER & SONS CO., 14th St., Mendota, Ill.

FREE TRIP TO TEXAS

If you want to take a free trip to the Sunny Pecos Valley of Texas where they cut six crops of alfalfa and raise all kinds of fruits and vegetables, write us for further information

The Heath Company, Topeka, Kan.



Buddy K IV, now owned by Sam Drybread and J. J. Baker, of Elk City, Kan. Buddy K IV was sweepstake Duroc boar at Springfield, Ill., state fair, 1905, and weighed at one time 1,000 pounds. There will be several sows bred to this great sire sold in the March 16 sale to be held at the Sam Drybread farm.

Gilman's Holstein Friesian Sale.
The fourth annual sale of Holstein Friesian cattle from the Rock Brook herd of Henry C. Gilman, Sta. B. Omaha, Neb., was held at the sale pavilion in the stock yards at South Omaha. In the two days' sale there were 112 animals disposed of, 27 of which were bulls and 85 females. The terms of the sale were cash, and though a number of the animals offered were young, the quality of their breeding and the fact that every one over 6 months of age was tuberculin tested brought the average up to good figures. Representative sales were as follows:

BULLS.

Sunny Jim 38883, Sorenus Hensen, Cedar Falls, Ia. \$250.00
King Pontiac Topsy Korndyke, R. C. Hopp, Glenwood, Ia. 250.00
Rutter Boy Delburn 54778, Marlon Scott, Agra, Kan. 180.00
King Karen 41159, J. R. Thompson, Hudson, Ia. 205.00
Beryl Hartog Beets 60957, H. E. Bullet, Glasco, Kan. 300.00

FEMALES.

Brookside Roella, F. W. Macrum, Hegler, Neb. 180.00
Bell Kappeberg DeKol 108253, J. M. Macrum. 175.00
Brookside Wilson, R. E. Wilson, Formosa, Kan. 135.00
Rokna 2d Cornicopia, Mack Anderson, Cushing, Neb. 230.00
Cloverhill Clycoia 98113, F. S. Miller, Waterloo, Ia. 305.00
Wayne Gerben DeKol 60921, J. W. Macrum. 185.00
Patty Coin Pieterje 73995, J. R. Thompson. 265.00
Hello Lillie, J. W. Macrum. 180.00
Hello Dejong 112792, J. W. Macrum. 200.00
Mattie Mae Dejong 107502, J. E. Kentner, St. Paul, Neb. 200.00
Madge Nichols DeKol 113890, Marlon Scott. 125.00
Lillie Henry 55093, J. R. Thompson. 230.00
Pledge Hengerveld Lass 111135, Thos. H. Milnys & Sons, Cheritan, Ia. 235.00
Kittie Eeler Pontiac, H. O. King, Washington, Kan. 240.00
Fannie Nichols DeKol 111874, E. E. Rife, Esbon, Kan. 160.00
Turetta DeKol 67194, D. E. Thayer, Monroe, Neb. 190.00
Moole Boon King 71031, S. Hensen. 135.00
Dorothy Koningen, S. Hensen. 200.00
Maud Beets DeKol 88830, D. D. Thayer, Monroe, Neb. 185.00
Nellie Pledge 110911, F. J. Thomas, North Bend, Neb. 195.00
South Side Lady Colantha, S. Hensen 175.00
Levicy Bell 75693, E. S. Thurston, Monroe, Neb. 175.00
Bell Huntress 74368, A. M. Thompson, Mead, Neb. 230.00
South Side Bell, Chas. Snedly, Agra, Kan. 170.00
Mechthilde Janzen Colantha 3d 71425, J. W. Macrum. 250.00
Countess DeKol Lockhart 103682, J. W. Macrum. 200.00
Emma Burke DeKol 98998, A. Bergman, Mead, Neb. 210.00
Marguerite V. 56468, A. H. Zimmerman, Savannah, Mo. 180.00
Princess Nagall Virgo 90630 M. O. Monsoon, Upland, Neb. 235.00
Goldie Pride 110975, E. T. Wilson, Comstock, Neb. 255.00
Imilda Johanna 78096, J. R. Thompson, Hudson, Ia. 175.00
Lib Price Inka DeKol Paul 51189, Marion Scott. 205.00
Belle Billings 3d's Flora 79470, O. R. Swayne, Elm Creek, Neb. 205.00
Myrtle Jewel DeKol 95013, Sam Terry, Monroe, Neb. 180.00
Hillview Maggie 113162, J. W. Macrum. 185.00
Inga Alida Clothilde 75572, O. R. Swayne. 185.00
Dora Rieke Priscilla 73423, Mack Anderson. 410.00
Sunny Rieke 111054, E. J. Disean, Agra, Kan. 265.00
Tessie Vernon 92532, G. E. Clauson, Mead, Kan. 265.00
Clover Hill Shadeland 98116, F. L. Miller. 295.00
Clover Hill Lotta 98126, J. W. Macrum. 190.00
Soldene Parana 98118, Mack Anderson. 230.00
DeKol Von Etten, J. R. Thompson. 240.00
Queen Empress Wayne 112485, D. R.

April litter. Darkness Princess, by Prince Darkness, dam Deliah by Meddler is bred for an early litter. Myrtle B. by Next in Line, dam Myrtle by Chief Perfection 2nd, is bred to Meddler Chief. This is one of the best sows on the farm. Mr. Brooks has a very fine young herd boar in Sp's Impudence, by Impudence I Know and out of an Sp. Perfection dam. This is a very promising young hog and will be herd from later. Mr. Brooks will start a card in Kansas Farmer soon.

Good Reliable Men

Wanted to sell Road Drags. Our Drags are constructed on sound and reasonable principles, and have points of advantage that would seem unreasonable only to those, who have given the matter a great deal of thought. There is side draft, flexibility, alignment, soil condition, draft, convenience in handling, durability and numerous other things to be taken into consideration. We want a good, practical man in each locality to learn our Drag and its many good points. Men who want good roads and men who want to make money. We have the article: the public wants good roads; do you want the money? If you do get with us by return mail. We manufacture Road Drags, Street Sweepers, and Automobiles. Yours for better roads. E. B. Winters, Coffeyville, Kansas.

PIANOS-- STEINWAY ROSE

20 old reliable makes, including our famous one price, no commission plan, saves you \$50 to \$150. We refer to any bank or business house in Kansas City as to responsibility. Write today for our special terms; new pianos, \$125.00 and up.

J. W. JENKINS' SONS MUSIC CO.,
1013 Walnut, Kansas City, Mo.

\$1.00 All we ask on our \$16 STEEL RANGE. 6 lbs, reservoir, large warming closet, weighs 400 lbs. \$1.00 all we ask on our Sewing Machines, 8 styles and kinds, none better. \$11 and up to \$18. Catalogues FREE and full descriptions. Ziegler Mfg. Co., Salina, Kan.



MAMMOTH WONDER CORN

Drouth and Bug Resisting. Fifteen Varieties —55 to 90 bushels to acre.

Write for Samples.

A. SMARSH, Route 1, Maize, Kan.

WONDERFUL "AWL FOR ALL"



SEWERS
Patented
Sewer
Quick

Every farmer, teamster and sportsman should own one of these awls. A regular hand sewing machine; can be carried in the pocket. Will sew the daintiest fabrics, or the toughest leathers. Price, postpaid, \$1. Special inducements to agents who will find this article a regular gold mine. Do not miss this chance to coin money, but write today for terms and prices. Book free. Johnston Bros. Co., K4122 W. Van Buren St., Chicago.

BEEKEEPING

its pleasures and profits, is the theme of that excellent and handsomely illustrated magazine, GLEANINGS IN BEE CULTURE. We send it for six months on trial for twenty-five cents, and also send free a 64-page book on bees and our bee supply catalog to all who name this paper. THE A. I. ROOT CO., Box 62, Medina, Ohio.

READERS MARKET PLACE

Classified Advertising 3 cents a word

HELP WANTED.
WANTED—ECONOMICAL AND PARTICULAR people to take advantage of our prices and services. Western Printing Co., Ptg. Dept. of Kansas Farmer, Topeka, Kansas.

WANTED—YOUNG MARRIED MAN, vigorous worker, good teamster to work on grain farm by month or year. Good wages. Address E. R. Hanford, County Line, Ida.

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

GOVERNMENT FARMERS WANTED—Salary \$75 monthly. Free living quarters, fuel and light. Examination soon. Let us prepare you now. Write today. Ozment's College, Dept. 44F, St. Louis.

WANTED—A SOLICITOR WITH HORSE and buggy to drive through the country and solicit subscriptions. Address Circulation Manager, Kansas Farmer, Topeka, Kan.

WANTED—LADY OR GENTLEMAN AS local representative in every Kansas county. Splendid chance to make good wages without great effort and no expense. Write for particulars. Address Circulation Department, Kansas Farmer, Topeka, Kan.

WANTED—A FEW LIVE MEN WHO can earn \$100 weekly to assist in placing a few high-grade bonds, which are secured by \$225,000 worth of property. Stock bonus to the first ones taking up proposition. For particulars address D. A. Rogers, Caney, Kan.

NOTICE FARMERS CO-OPERATIVE creamery—Are you looking for an all around experienced buttermaker and manager who knows all the ins and outs in the creamery business? One who knows how to get cream and who can make the goods and sell it. Have 10 years' experience with co-operative and centralized creameries and am employed at the present but wish to change position. I can produce results and expect good salary in return. Address, Scandinavian, Care of Kansas Farmer.

WANTED—MEN TO LEARN THE BARBER trade; few weeks complete, practical instructions by experienced barbers, who know their business and teach it as they know it; extra large outfit of tools given with reduced tuition; prices, wages, while learning; diplomas granted; write for free catalogue, handsomely illustrated. Schwarz system of Barber Colleges, 20 W. California Ave., Oklahoma City, Okla.; Wichita, Kan.; El Paso, Texas; 75 E. 2nd St., Amarillo, Tex. Address any school.

REAL ESTATE.
WE CAN TRADE YOUR PROPERTY—Book of 500 exchanges free. Graham Brothers, Eldorado, Kan.

WE CAN SELL YOUR PROPERTY. Send description. Northwestern Business Agency, Minneapolis.

WE CAN SELL YOUR PROPERTY. Send description. Northwestern Business Agency, Minneapolis.

NOTICE THE OTHER BARGAINS IN Real Estate offered under Bargains in Farms and Ranches in this paper.

BUSINESS CARDS, 500 FOR \$1.50—Prompt service. Send for samples and estimates. Western Printing Co., Ptg. Dept. of Kansas Farmer, Topeka, Kan.

IF YOU ARE THINKING OF BUYING land in Western Kansas, write us for prices and literature. Write us about trades. Kysar Realty Co., Goodland, Kan.

A LARGE LIST OF DESIRABLE farms for sale on very liberal terms and prices. For further information call on or address Thomas Darcey, Real Estate Agent, Offerle, Kan.

GOVERNMENT FARMERS WANTED—Salary \$80 yearly. Free living quarters, fuel and light. Examination soon. Let us prepare you now. Write today. Ozment's College, Dept. 44F, St. Louis.

BUY A HOME IN EASTERN OKLAHOMA, 50 farms for sale, three illustrated booklets brimful of information free for the asking. Write Oklahoma Land & Loan Co., Wagoner, Okla.

READ! READ! READ! 200 ACRES, TWO miles of Osborne, fine home, price right, write us. 160 acres, 5 miles of County Seat, well improved, trade for Western Kansas land. Fine bargains in level wheat land for speculators. Yours for business. Layton Bros., Osborne, Kan.

DENVER GARDEN HOMES, WITH ADVANTAGES of city life and an income assured. Four miles southeast of State Capitol, Postoffice and Denver City Market. Unlimited demand for fruit and garden truck. Water, street car facilities. Write today for folder, map and plan to secure five acre tract at your own terms. Park Hill Heights Realty Co., 1759 Stout St., Denver, Colo.

PATENTS.
SEND FOR FREE BOOKLETS—ALL about patents and their cost. Shepard & Campbell, 6900 McGill Bldg., Washington.

PATENTS PROCURED AND POSITIVELY sold if the idea has merit; all countries; best service; book free; send sketch. H. Sanders, 115 Dearborn St., Chicago, Ill.

LAWYER.
W. T. ROCHE, LAWYER, CLAY CENTER, Kan., will mail you a written opinion of the law on any proposition for one dollar. Send full statement of facts with remittance.

HORSES AND MULES.
SHETLAND PONIES—WRITE FOR price list. Charles Clemmons, Waldo, Kan.

REGISTERED MAMMOTH JACKS AS good as grew. H. T. Hineman, Dighton, Kan.

FOR SALE—IMPORTED AND HOME bred black Percheron and Standard bred driving stallions. Joe S. Williams, Edson, Kan.

SWINE.
PORK WITHOUT CORN—TAMWORTHS, the ideal alfalfa hog. A choice lot of registered June boars for sale at reasonable prices. J. G. Troutman, Comiskey, Kan.

The rate of advertising in this department is low, only three cents per word each insertion. There is no more popular advertising than classified advertising. Every one reads classified ads, and just because they are classified. You can reach 50,000 farmers in Kansas and adjoining states, the best farmers on earth, through this page. All ads set in uniform style, no display. Initials and address count as words. Terms invariably cash in advance.

POULTRY.

SINGLE COMB WHITE LEGHORN eggs. R. W. Yeoman, Lawrence, Kan.

SILVER LACED WYANDOTTES 190 eggs \$4.00. Mrs. C. C. Henderson, Solomon, Kan.

PARTRIDGE WYANDOTTES—PRIZE winning cockerels and eggs. Farmers' prices. Write S. S. Jackson, Scranton, Kan.

S. C. B. ORPINGTON EGGS \$1.00 PER 15; \$2.00 per 50; \$5.00 per 100. Mrs. J. Drennen, Liberty, Kan.

EXTRA SILVER WYANDOTTE HENS cheap. Eggs, \$1.50 per 15. Mary Gordon, Baker, Kan.

THOROUGHBRED S. C. BUFF ORPINGTON eggs for setting. C. C. Baker, Lathrop, Mo.

CHOICE LIGHT BRAHMA COCKERELS \$2 each. Mrs. Adda Prickett, Wamego, Kan.

S. C. WHITE LEGHORN EGGS FOR sale; Wyckoff strain. Mrs. Mabel Sullivan, Abilene, Kan., R. 7.

ROSE COMB B. L. EGGS, \$1.00 PER fifteen, \$4.00 per hundred. Mrs. O. B. Smith, Cuba, Kan.

R. C. RHODE ISLAND REDS—EGGS from best winter layers, \$1.00 per 15. Mrs. A. J. Nicholson, Manhattan, Kan.

S. C. BUFF ORPINGTON EGGS \$1.00 per 15; \$2.50, \$2.50. Mrs. J. A. Young, Wakefield, Kan.

EGGS ALL VARIETIES, LEGHORNS, Rhode Island Reds, Orpingtons, Wyandottes Minorcas, Rocks, Turkeys, Ducks, Geese. Catalog free. Wm. Koell & Co., Hampton, Iowa, Box H.

FOR SALE—PURE BRED S. C. BUFF Orpington eggs, 10 cents each. New strain. Mrs. Geo. W. Selfridge, L. Box 583, Sterling, Kan.

\$1 FOR 15 EGGS—BLACK LANGSHANS, Rose and Single Comb Brown Leghorns, Anconas; stock scored \$1 to \$5 by Judge Emry. Dunable Poultry Yards, Clay Center, Kan.

R. C. R. I. REDS AND COLUMBIAN Wyandotte eggs from high scoring birds. Egg circular free. G. D. Willems, Inman, Kan.

FOR SALE—PURE BRED SINGLE COMB R. I. Red cockerels, also eggs in season. Mrs. W. L. Quall, Topeka, Kan., R. D. No. 2.

SINGLE COMB RHODE ISLAND REDS eggs \$2.00, \$3.00 and \$5.00 per 15; none better; my show record tells the story. Chas. E. Lentz, Atchison, Kan.

PALMER'S BLACK LANGSHANS WON every first in class Kansas State Show, 1910. Stock for sale. Eggs \$3 for 15. H. M. Palmer, Florence, Kansas.

BARRED PLYMOUTH ROCKS—WON AT the great Southwestern Iowa Poultry Show, 1910. 1st cock, 1st cockerel, 1st hen, 1st pen and second pullet. Send for free mating list and get your egg orders in at once. A. D. Murphy, 41 Essex, Iowa.

RHODE ISLAND REDS—BOTH COMBS. All stock sold we can spare this season. Ten matings to furnish eggs for hatching. Guarantee on eggs. Mating list with show record free. H. A. Sibley, Lawrence, Kan.

PARTRIDGE PLYMOUTH ROCKS, BARRED, Columbian, Silver Penciled, White and Buff. J. A. Hagerman, Rock Specialist, Pres. Partridge Ply. Rock Club, Box K, Charlotte, Mich. Catalogue.

BUFF ROCKS FOR BUSINESS, PLEASURE, and profit. Have raised nothing else for nine years. Have the best stock of birds now that I ever had. Eggs, \$1 for 15; \$5 for 100. H. M. Stephens, Munden, Kan.

SINGLE COMB BUFF ORPINGTONS, Silver Spangled Hamburgs, S. C. Brown Leghorns, Stock, eggs and baby chicks for sale. Write for mating list and prices. G. F. Koch, Jr., R. 3, Ellinwood, Kan.

INDIAN RUNNER DUCK CULTURE—Finest illustrated book published, describes and prices greatest money makers. Tells how to hatch and care for the duck that lays 200 eggs per year. Send 2 cents. Berry's Farm, Clarinda, Iowa.

STANDARD BRED S. C. BUFF LEGHORNS founded by stock of prize winners of Chicago and St. Louis World's Fairs and are prize winners. Eggs, \$1.50 for 15, \$5 per 100. Cockerels for sale—S. Perkins, 801 E. First St., Newton, Kan.

PLYMOUTH ROCKS, WHITE AND BARRED—High grade, farm raised, vigorous, bred to lay stock. Money makers. Eggs for hatching, any quantity any time, winter or summer. Circular free, with prices tells all. Write today. The Weaver Poultry Rancho, R. 9, Wichita, Kan.

EGGS, EGGS—FROM 13 VARIETIES OF thorough bred poultry, Mammoth Pekin Rouen, Muscovys, Indian Runner ducks, Pearl and White Guinea, Bantams, Dogs, Fancy Pigeons. Hens' eggs 15 for \$1.00; eggs by the 100 reasonable. Write for free circular. D. L. Bruen, Platte Center, Neb.

ROSE COMB RHODE ISLAND REDS—Extra good stock, farm raised, free range, carefully packed eggs, \$1.00 for 15; \$5.00 for 100. Ella Kirkpatrick, Westphalia, Kan.

50 WHITE ROCK COCKERELS AND A few good pullets for sale. J. C. Bostwick, Hoyt, Kan.

BARRED ROCKS—62 PREMIUMS, 26 firsts. Stock and eggs. W. C. Opfer, Clay Center, Kan., Route 5.

SINGLE COMB BUFF ORPINGTON eggs, \$1.00 per fifteen. Mrs. Frank Henning, Garnett, Kan.

SINGLE COMB BROWN LEGHORN AND White Wyandotte eggs, 75c per setting, \$4 per 100. Mrs. F. E. Town, Haven, Kan.

GOLDEN BARRED ROCKS—THE beauty and utility breed; plumage buff and white barring, making a most beautiful fowl. Write for handsome free catalog. L. B. Altwein, Originator, St. Joseph, Mo.

ROSE COMB RHODE ISLAND REDS EXCLUSIVELY. Eggs for hatching in season \$1.50 per 15, \$7.00 per hundred. D. Winchell, Unionville, Mo.

100 BARRED ROCK CKLS. AND FEMALES, prize winning strains, \$5 premiums, 20 yrs. experience. Eggs \$2 per 15, \$5 per 50. Chris. Bearman, Ottawa, Kan.

40 VARIETIES OF FANCY POULTRY, geese, ducks, turkeys, chickens, pea fowls, guineas, pigeons and rat dogs. Stock and eggs at a very low price. Catalog 4 cents. F. J. Damann, Farmington, Minn.

FOR SALE—BABY CHICKS (DIFFERENT varieties any quantity, any season, full count and live delivery guaranteed. Custom hatching and brooding. Eggs for hatching. Our egg contract circular and catalog for the asking. P. C. Fish Poultry Yard and Hatchery, 4334 Bellevue, Both Phones, Kansas City, Mo.

CATTLE.
POLLED JERSEYS—FOR BREEDERS' names write Charles S. Hatfield, Box 8, R. 4, Springfield, Ohio.

FOR SALE—TWO ANGUS BULLS, COMING twos. Sired by Black Conqueror of Kansas Agricultural College. Chas. A. Streeter & Son, Wakefield, Kan.

SEE US BEFORE PLACING YOUR stock catalog printing. Western Printing Co., Ptg. Dept. Kansas Farmer, Topeka, Kan.

FOR SALE—12 GRADE JERSEY MILK cows, seven 8000 to freshen. Exceptional lot, \$800. Sayda Polo Jersey Farm, Parsons, Kan.

ALYSDALE SHORTHORNS—HERD headed by the magnificent Scotch bull Archer Victor No. 292012 for sale now at bargain prices, the following (red) bulls: Chief Burnett No. 311843, dropped December 16, 1908; Santa Claus No. 311849, dropped December 25, 1908. Also some fine young females, all richly bred. Call or write Chas. W. Merriam, Columbian Bldg., Topeka, Kan.

MISCELLANEOUS.
FOR SALE—CARLOAD HEDGE POSTS. Wm. Roe, Vinland, Kan.

LIVERY STOCK FOR SALE—WOULD trade for land. Earl Wilson, Palmer, Kan.

E. R. BOYNTON HAY CO. 1305 WEST Eleventh street, Kansas City, Mo., receivers and shippers of hay. We solicit your business.

20 CAR LOAD HEDGE POSTS FOR sale. All sizes and all prices. Correspondence solicited. W. H. Bitts, Melvern, Kan.

DRY BATTERIES RENEWED BY ANYONE for 10 to 25c per doz. Formula \$1. Will send it this week for 35c. Fairmount Telephone Co., Leightons Corners, N. H.

BOOKS—WE SELL AT BARGAIN prices the books that every family wants and needs. Send today for free illustrated catalogue. Peter V. Wilton Co., Amsterdam, N. Y.

LETTER HEADS AND ENVELOPES—Descriptive of your business. Best prices. Send for samples. Western Printing Co., Ptg. Dept. Kansas Farmer, Topeka, Kan.

TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians astounded. Great discovery. Send your address at once. King-Ni-Ko 9, Wichita, Kan.

BUYERS AND AGENTS TO SELL OUR concrete mixers and cement block, fence post and brick machinery. Send for circulars and prices. Keller concrete Machine Co., Kearney, Neb.

SEEDS AND PLANTS.
BOONE COUNTY WHITE SEED CORN, tested and guaranteed as represented. E. E. Hazen, Hiawatha, Kan.

250 STRAWBERRY PLANTS \$1.00. IN the best varieties. Wholesale prices on Nursery Stock. List free. John F. Dayton, Vaukon, Iowa.

SEED CORN—HILDRETH YELLOW Dent. C. E. Hildreth, originator, breeder and grower, Altamont, Kan.

TESTED PURE BRED SEED CORN AND oats of standard varieties. Western Pure Seed Co., F. A. TenEyck, Mgr., Concordia, Kan.

100 PALMETTO ASPARAGUS PLANTS delivered postpaid \$1.00. Grown by successful asparagus growers who know the market demands and profits of the crop. Instructive circular with quantity prices, tell all. Write today. R. W. Weaver Co., R. 9, Wichita, Kan.

WESTERN TREES FOR WESTERN planters. None better anywhere. Price list free. Bishop & Carnahan, Conway Springs, Kan.

BOONE CO. WHITE SEED CORN—Grown on best Kaw valley land. Tests 93. Tipped, shelled and graded, \$1.50. J. W. Cochran, Silver Lake, Kan.

WRITE FOR OUR FREE CATALOGUE, containing much valuable information. Rudy-Hall Seed Company, 732 Minnesota Ave., Kansas City, Kan.

SEED CORN—BOONE CO. WHITE, grown from seed bred by Kansas State Agricultural College. Write for prices. J. M. McCray, K. S. A. C. '09, Manhattan, Kan.

SWEETSTAKES CORN—THREE SWEETSTAKES and twenty-three firsts. From Co. Fair to Nat. Corn Exposition, first wherever shown. Immense yield. J. M. Gilman & Sons, Leavenworth, Kan.

PLANT CATALPA SEEDLINGS AND grow your own posts. We have a fine lot of pure Speciosa and will sell them cheap. We also have an assortment of fruit trees, etc. Try us on evergreens; we dig them with balls of dirt and sew sacking around the dirt. Almost sure to grow. Lost Springs Nursery, Lost Springs, Kan.

ALFALFA SEED FOR SALE—250 BU. home grown seed without irrigation, at Kendall, Kan. Main line Santa Fe R. R., Kearney Co. Delivered in seamless bags at \$10.00 per bu., f. o. b. cars. Bags 25c extra. Advance money order to John Shinkle, foreman, for amount wanted. Reference, Holland Banking Co., Springfield, Mo.; Kearney Co. Bank, Lakin, Kan.; M. R. Beatty, P. M. and merchant, Kendall, Kan.

FIELD NOTES

FIELD MEN.
O. W. Devine.....Topeka, Kan.
Jesse R. Johnson.....Clay Center, Kan.
J. W. Johnson.....Beloit, Kan.

Valuable Remedy for Sores.
Cresco, Iowa, R. F. D. No. 2, Jan. 16, '09. Dr. B. J. Kendall Co.: Gentlemen—Enclosed find stamp for which please send me your book, Treatise on the Horse. I bought a bottle of your Spavin Cure of my druggist, and find it to be a very valuable remedy for sores. Yours truly, Chas. P. DeGrave, Care F. J. Peckham.

Gets 10 Per Cent Work Now.
Benjamin Young, Milwaukee, Gentlemen: One of my horses had two very bad sores on its neck, and I was unable to work a common horse collar on him. I bought a flexible top "Uno" self-conforming collar of my harness dealer, and I am now working my horse every day. (Signed) T. Travis, Grant, Mich.

Hard Winter Makes Clipping Necessary.
The hard winter just closing has caused horses to have a longer and heavier coat of hair on this spring than is usual. If put at the hard spring work in this condition they will naturally suffer a great deal. To clip them will be a great relief, as by taking off the extra long and heavy coat of hair they will be less prone to perspire freely on first going at the spring work and what perspiration they do secrete will dry off quickly. If not clipped, they will perspire freely and it will take a good many hours for them to dry out. If clipped, they should be blanketed providing nights are very cool, especially for a few hours after being put into the stable. In that time they will be dried off and will get better rest by far than the unclipped animals.

The Fence That Lasts.
There isn't anything that the farmer buys in which a mistake is more hopeless than in wire fence. If he gets "stuck" he is stuck for good, because there is no possible way of remedying the defect; it is a case of buying a new fence. The Brown Fence & Wire Company, Dept. 39, of Cleveland, O., is sending out some interesting literature on wire fence, showing why so much of the fence put up in recent years has rusted out and gone to pieces in so short a time. They point out very clearly that a fence like a chain is only as strong as its weakest part. It must be good all over to be good at all. A strong, heavy stay or upright is as much important as a heavy lateral. The more-over show that in recent years much of the galvanizing that has been done is hardly worth the name galvanizing at all. The wire is merely dipped into melted zinc instead of being put through a true galvanizing process. We know everyone of our readers will be interested in what Mr. Brown has to say on this fence question. Send to him for his little book. It will open your eyes.

Arkansas City Business College and School of Telegraphy.
At no time has there been a greater demand for well trained business men and women than at present. At no time has a thorough business qualification commanded higher remuneration. Many business colleges promise to make first-class business assistants out of any young men or women, in a very few weeks. The Arkansas City Business College and School of Telegraphy does not make this promise. Much depends upon the ability of the student who will receive the most modern, practical and complete business knowledge with the greatest dispatch. The dull and backward pupil here is given every encouragement and assistance and treated with as much courtesy as if he was the brightest in the school. The School of Telegraphy branch was organized Jan. 12, 1903, and since that time has had a steady growth from year to year. The Santa Fe Railroad has been very friendly to the school in the way of supplying them with number one wire, so that the student has the opportunity of having actual wire practice. For general information and catalog write the Arkansas City Business College and School of Telegraphy, Arkansas City, Kan.

Horse Judging at the Agricultural College

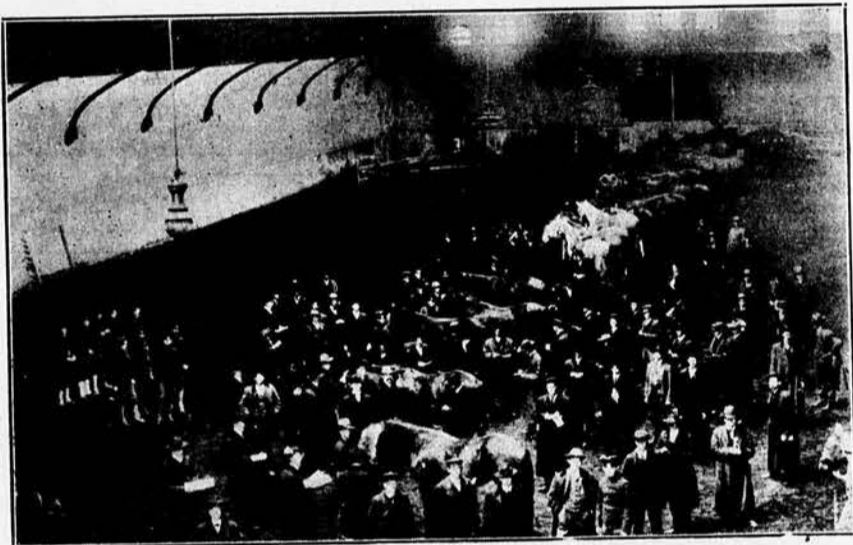
Kansas Students Visit Important

The course in animal husbandry at the Kansas State Agricultural College is one of the most practical that is offered to the students of any institution. The students are given thorough instruction in all departments of animal care, breeding, nutrition, and judging. This work is rendered more practical by access to the College herd which includes the four breeds of beef cattle, four breeds of dairy cattle, six breeds of swine, two breeds of horses and three of sheep. The students are expected also to do practical work in the development and fitting of the show animals with which the College has won numerous prizes in past years and with which it eclipsed all records at the International last December by securing the grand championship and reserve grand championship to this one small herd.

The work is supplemented by occasional trips to herds in the vicinity where the live animals are judged on the hoof, and also by trips to packing

the horses submitted for their inspection.

It was found that all of the best types owned by the Government at this point are thoroughbred or saddlebred and that this infusion of blood gives them the conformation and type required, but especially the spirit needed in such horses. One of the horses shown had been a prize winner at the New York Horse Show last fall and is now able to carry his rider over a 6-foot hurdle. Another one is 19 years old with a record of 12 years of service in the cavalry and of a trip from Fort Leavenworth to Fort Riley in record time. The officers demonstrated to the students the exact type that is needed by the Government for such service, and as Government buyers are very keen to secure the right type, and as Uncle Sam pays good prices, it is doubtless true that many of these boys will join the ranks of those who are now engaged in raising this type of horse. The facts are that when the Govern-



K. S. A. C. students judging cavalry horses in the Fort Riley riding hall.

houses where a study is made of the beef, pork and mutton animals on the block. One of these trips has become an annual event. This is the one taken to Fort Riley each year for the purpose of giving the students of both the animal husbandry and veterinary departments opportunities to judge types of horses that are carefully selected by experts for cavalry and artillery service and also to judge them for soundness.

The trip made by the students this year to Fort Riley was perhaps one of the most successful that has yet been conducted by the Animal Husbandry Department. About 500 students went up to the Fort on the special train provided for them and spent the day in judging the large stud of both artillery and cavalry horses and of baggage mules. They were accompanied by their instructors and were given a lecture by Dr. Jewell, the assistant veterinarian at the Fort. The Doctor illustrated his lecture by leading into the ring ordinary types of army horses with which to illustrate the defects in conformation, and also perfect types which served to give the students the highest ideal of horses for these purposes. The students in the Veterinary Department were called upon to pick out the defects and blemishes and all

were asked to pass upon the quality of ment requirements are met by any breeder or owner he finds himself in possession of a superior animal that does not need to depend on the Government buyers for his market. Such a type comes the nearest to being an all round, useful animal of any that has yet been evolved in this country

Withdrawal of Lands From the Forest Reserve.

Acting in conjunction with Secretary Ballinger, Secretary Wilson of the Department of Agriculture has submitted plans to the President, through which a considerable amount of land that is now included in the forestry reserve may be withdrawn for agricultural purposes. The recommendation is that lands wholly or partly covered with brush or other undergrowth which protects stream flow or checks erosion on the watershed of any stream important to irrigation or to the water supply of any community, shall be retained within the national forest limits, unless their permanent value under cultivation is greater than their value as a protective forest.

Lands that are wholly or in part covered with timber or undergrowth, that are more valuable for the production of trees than for agricultural crops, or lands which have a prospective value of this kind, are to be retained within the national forest. Lands that are not either wholly or in part covered with timber or undergrowth, which are above timber line within the forest boundary, or are in small bodies scattered throughout the forest where elimination is impracticable, are also to be retained as forest land. Other lands, which are not covered with timber or undergrowth as described above, and upon which it is not expected to grow trees should be withdrawn from the forestry reserves for agricultural purposes.

The approval of these recommendations means the withdrawal from the forestry reserves of about 4,000,000 acres of land, or about two per cent of the total national forest area. Most of this is grazing land though some of it is suitable for dry land agriculture.

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Sheep Possibilities.

Mr. A. J. Knollin, of Kansas City, who has had the very best of opportunities for knowing about sheep and who is vice-president of the National Wool Growers Association, made an address at the recent meeting of that body in which he said, in part:

"East of the Missouri and Mississippi rivers, with the farming states of Kansas and Nebraska added, we have about 18,000,000 sheep, one-third of the entire number in the United States. In this territory, Ohio leads, having 3,110,000—seventy-six to the square mile. Florida, one-third larger than Ohio, has one and one-half sheep to the square mile; while Kansas, a state well adapted to sheep husbandry, and twice the size of Ohio, has less than three sheep to the square mile. There are in Utah and Idaho thirty-eight sheep to the square mile—one-half the average of Ohio, and about three times as many as we average in the territory under consideration. You will further appreciate the possibilities of the development of sheep and wool growing in the East when you know that we have but one sheep to forty-seven acres, and more so when you are told that if Kansas, Nebraska and Iowa had the same number per square mile as Ohio, they, with Ohio, would support the 18,000,000 sheep now in the entire section.

I will further illustrate the possibilities of sheep raising by comparison with other countries. France and Spain, each having an area equal to about four-fifths that of Texas, have, respectively, 17,500,000 and 13,750,000 of sheep, Texas has 2,000,000. Bulgaria, with an area but little less than that of Kentucky, has 8,000,000. Kentucky has 1,000,000. Greece, that very small country, which we associate with art and literature rather than with shepherds and their flocks, has 4,500,000 sheep on its 25,000 square miles. West Virginia has the same area, and has but 620,000. The comparison is even more startling when we consider that England and Scotland have 304 sheep to the square mile, whereas Kansas, as I have already mentioned with sixty sheep to each quarter section, after driving into that state all the sheep from the other states in this eastern territory, we would be obliged to go after the 2,000,000 sheep of Texas to complete the required number.

I know that Mr. F. D. Coburn, secretary of the Kansas department of agriculture, if here, would back me up in the statement that there is no equal area in the world more fertile and responsive to intense cultivation than Kansas. Therefore we will assume that it would be practicable to stock Kansas with sheep on the same basis per square mile as Great Britain. Having brought all the sheep from east of the Missouri and Mississippi rivers, and from Nebraska and Texas, we have left enough land untrodden by the "golden hooi" to care for the sheep of Colorado and all the sheep from the state that leads all the states in the Union in the number of its flocks—the home state of our western vice-president and our secretary—Wyoming's nearly 6,000,000.

Having placed 27,500,000 sheep in Kansas, we need not, I think, feel alarmed about providing for their feed having two acres for every sheep. During the growing season, eighty sheep to the quarter section farm will earn their board by trimming the weeds from the field corners and along fence lines, and in the fall and early winter by gleaning the grain and corn fields. Fifteen acres will produce the feed necessary for their keep during the winter. You will understand the need of providing for our flocks in winter. This is very important. Your greatest losses on the range come after the supply of hay and grain has been exhausted—after you have had the expense. It is important, therefore, that we be certain that we can properly feed during the winter months this great number of sheep. In 1909, Kansas produced 147,000 bushels of corn, 25,500,000 bushels of oats, besides millions of bushels of other grains that are suitable for sheep; 350,000,000 tons of hay, and as much more sorghum, Kafir corn, milo maize and corn fodder—twice the quantity required for properly feeding these sheep.

INTERNATIONAL TRACTORS

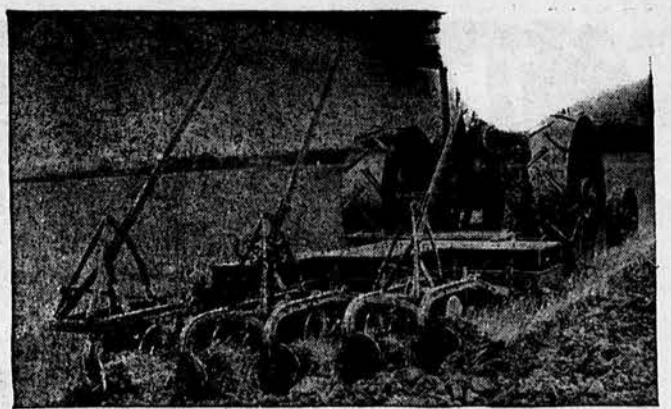
IN PLOWING CONTESTS

Not for the prizes involved, but to establish beyond question in the agricultural world the superiority of International tractors, we entered the many important plowing competitions held in America and Europe during 1909. Victory after victory for the International was the result. At the exhibition at Amiens, France; at Winnipeg, Manitoba; at Brandon, Manitoba, and at Aurora, Illinois, International tractors left the field victorious in all instances.

These demonstrations of superiority in plowing and hauling contests are duplicated every day in agricultural field work. For instance, a 20-horse power International tractor plowed 1640 acres in one season in the Province of Saskatchewan. Because of its simple, practical, correct design, the International tractor turned over the regulation number of acres every day without any mishap.

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For Women

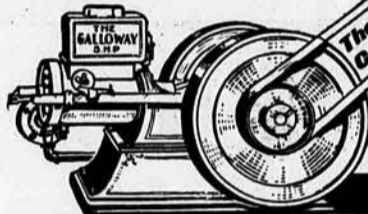
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FROM OUR READERS

An Experiment in Corn Growing.

I would like to call your attention to this experiment in corn growing. I sent to Sioux City, Ia., for two bushels of Silver Mine seed corn, and I plowed the ground in good condition and planted the corn two grains in a hill three feet apart. After planting I harrowed the ground level and even and when the corn stood about one inch in height I harrowed it again. I cultivated the corn and kept the weeds from around the hills, and the ground level. The corn grew so fast that it was surprising to all of our neighbors. This is the only way to be successful in farming. Keep the weeds and rubbish away from your corn, keep the ground loose and attend the corn whenever it is necessary. We have always raised good, sound, hard corn and found it to be in fine condition in the fall.—Chas. Dixon, Francis, Neb.

Are Kansas Prosperity Figures Misleading.

I have been a reader of your paper for 18 years, and have gotten value received in each issue. I have a question I would like to have answered. In your issue of Jan. 15 you present a cartoon of Brother Coburn with a sack of coin on his back, representing \$4,000,000,000 earnings of the Kansas farmer.

Now, I do not say that this is untrue, but do you think such statements are really a benefit to the farmer? If so I think it is a detriment to the farmer for the reason that it creates a jealous feeling within the city man toward the farmer. A farmer can not go to town but what the town man will tell him that he is getting the whoe thing and that there will have to be something done to check the price on farm commodities or he will starve the world to death. Any well informed man who knows anything about farming knows that this is not so. Expenses on the farm have increased the same as in other lines of business. There is one of two things about this blowing on the farmer. It is done to keep him plugging away content, or the writers of such stuff are not posted on the profits of farming.

Of course, if one looks at that picture it looks quite large, but that four billion does not represent net earnings. The farmer has plenty of expense to meet. In fact, after the average farmer pays his expenses he has the least per cent left, counting his capital invested, and I think I can prove this. I think our state has been damaged by this excessive blowing. I am 35 years old, have lived in Kansas all my life and expect to stay here as long as I live, so naturally think Kansas is a good state. But I do not think it so far ahead of some other states. During my existence here I have seen people move here by the dozens, stay here a year or two and go away broke, saying they had been deceived by our newspapers blowing on the country.

At present there is a great cry going up about the high cost of living and boycotting our meat and finding fault with the farmer because he does not produce more.

I do not wish to be classed as a knocker but I do not believe in our estimating the wealth of the farmer or the virtues of the state. Every one knows why farm products are high in price at the present. It is simply under production, because the young men have deserted the farm and gone to the city where they can draw better salaries than the farm can afford to pay and the land in consequence is not made to produce half its capacity for the want of labor to farm it.—C. E. Cooley, Udall, Kan.

Orchard Culture.

From experience and observation while acting in the capacity of an orchardist and small fruit grower, we do not hesitate in predicting that to some our views may differ a little from those of our predecessors, however, we will offer no theory or proof that nature will not sustain and discovery reveal. Fruit culture is not only a profession of high order but ranks closer to us than any other species of vegetation, therefore its treatment and development is in close contrast with the human family. Being neither sensitive nor instantaneous harmful results may not develop until the following

or future years. Kansas as a fruit producing state may not have the advantages of more favored fruit producing states, as regards climate and barometer, yet with skill and experience and becoming familiar with the habits of the fruit producing kind, a marked improvement can be obtained.

Farmers while busy developing stock and agricultural products, have allowed fruit production to become a drag. By assisting nature, the quality and quantity can be improved. Experienced orchardists do not always have favorable climatic conditions to insure a crop after the season's trimming, therefore should not be condemned as they usually are. Again, it is hard for the farmer to decide between the qualified and the unqualified. Owners of orchards fail to realize the necessity of rock-nourishment. Without this, your trees are deprived of the mineral deposit essential for their development; thus deprived, your trees are confined alone to soil nourishment; without this counterbalancing effect, it is impossible for the orchard to meet requirements. By cutting through the gumbo subsoil and depositing a quantity of rock, you are not only furnishing a mineral deposit, but you have made possible for the lower roots and fibers to reach the lower moisture, also, the lower roots have a cooler temperature which will greatly overcome blight and other diseases, and increase quality and quantity of the fruit.

In trimming orchards the operator should be capable of judging the tree's capabilities, as excess in branches and foliage will diminish the fruit production and make encroachments on the vitality of the tree. Over trimming is also detrimental, therefore it is necessary to be educated to orchard culture. Another important feature in trimming, is the proper time and proper cut to insure healing. According to nature, the sap or blood of the tree goes to the roots during winter, thus the tree becomes inactive; also the surplus vitality from the summer's exertion is required to maintain the tree during this period; again to trim a tree sap down, the cut is at the mercy of the winter's exposure, the crusting and drying of the pores makes healing impossible. In spring trimming your trees are vigorous and full of vitality and circulation, consequently the sap creates a musilage for the healing process. Trimming with an ax must be avoided as a blow will bruise and squash the wood-pulp, and make an angling cut which will refuse to heal, where the branch leaves the tree there is an enlargement, immediately behind this enlargement you will recognize fine wrinkles in the bark. With a sharp saw follow those wrinkles and you will have no trouble in healing, for this is nature's outline.

In order for your tree to receive plenty of ventilation, keep the center well cleaned of surplus foliage in the lower parts, remove water sprouts and dead wood. In removing dead limbs or branches clear out all parts of decay, should there be a cavity, and fill with cement. This will keep out moisture and exposure. By removing dead bark from older trees, you greatly assist a new outer formation, also remove a pest harbor. Spraying the orchard is also very important.—Alex Mitchell, Shawnee Co.

Good Roads.

Secretary Knox believes that the congestion of population in great cities is caused in large part by the lack of good roads in this country. He told the house committee on foreign affairs that the reason France was the best agricultural country in the world was because she had had good roads so long. Said he:

"The agricultural population of France does not have to spend its money in repairing vehicles and their harness every winter. I think it has improved the attractiveness of rural life. I think it has caused the population to remain on the soil. You do not find that tendency to urban population in France and England that you do in this country."

Business Colleges

Box 353 F., Hutchinson, Kan. Largest in Kansas. Students come from fifteen states.

MOVING PICTURES

OF DAN PATCH 1:55 MAILED STOCKOWNERS FREE WITH POSTAGE PAID.

THIS IS A SENSATION OF THE WONDERFUL WORLD CHAMPION AND GREATEST TRIUMPH IN THE MARVELOUS AND REALISTIC MOVING PICTURE ART.

It is a New Invention that you can carry in your pocket and show your friends instantly day or night, either once or a hundred times and without a machine, curtain or light. It is the most Attractive Novelty and most pleasing Dan Patch Souvenir ever Invented and shows Every Motion of Dan Patch 1:55 in pacing one of his Marvelous and Thrilling World Record Miles and it is Absolutely True To Life.

I want to assure you that it is the most successful Moving Picture ever taken of a world champion horse in his Wonderful Burst of Speed. If you love a great horse and want to be able to see him in Thrilling Motion Pictures at any time as long as you live **Be Sure And Accept My Remarkable Offer Before They Are Gone.**

I reserve the right to stop mailing these very expensive moving pictures without further notice, as this is a special free and limited offer.

A MILE OF THRILLING RACE PICTURES, 2400 MOVING RACE PICTURES OF DAN PATCH 1:55

and every one of the 2400 pictures shows the King of all Horse Creation as plainly as if you stood on the track and actually saw the mighty Dan Patch 1:55 in one of his Thrilling Speed Exhibitions for a full mile. Just think of it! 2400 Moving Pictures Taken Of Dan in 1 min. and 55 sec. means 21 pictures taken for every second all of the way around the entire mile track from the back seat of a high power automobile.

You Can See Dan Shake His Head To Let His Driver Know That He Is Ready And Then You Can Watch Every Motion Of His Legs As He Flies Through The Air With His Tremendous Stride Of 29 Feet. As A Study Of Horse Motion Alone This Is Better Than If You Saw The Actual Speed Mile Because You Can See Dan Patch Right Before You For Every Foot Of The Entire Mile And Not A Single Motion Of His Legs, Body Or Head Can Escape You.

You can see his Thrilling Finish as he strains every nerve and muscle to reach the wire in record breaking time, you can see his driver dismount and look at his watch while thousands of people crowd around, you can see his caretaker force his way through the crowds, uncheck Dan and then throw a beautiful woolen blanket over him to prevent catching cold and

MY NEW, POCKET MOVING PICTURES MAILED FREE TO ALL STOCKOWNERS

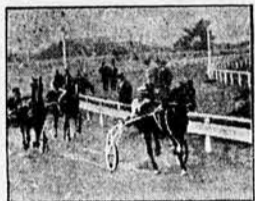
With Postage Prepaid---If You Are A Farmer, Stockman Or Poultry Raiser I Require A Correct Answer To These Three Questions. **Be Sure and Answer These Questions.**

1st. In what paper did you see my Moving Picture Offer? 2nd. How many head Each of Horses, Cattle, Sheep, Hogs and Poultry do you own? 3rd. How many acres of land do you own or how many acres of land do you rent? **1 Personally Guarantee, Free To You One Of These Marvelous Moving Pictures, If You Write Me Today. You cannot buy them for \$5.00 each. Signed, M. W. SAVAGE**

IF YOU ARE NOT A STOCKOWNER AND WANT THE PICTURES SEND ME TWENTY-FIVE CENTS FOR POSTAGE,

Packing, etc., In Silver or Stamps and I will mail you this wonderful Moving Picture of Dan Patch 1:55, the fastest harness horse the world has ever seen. -- If you send me Twenty-five Cents in Silver or Stamps--EVEN if you do not own any stock or land, I will mail it to you postage prepaid. It costs Thousands of Dollars to have these made.

Write At Once to -- M. W. SAVAGE, Minneapolis, Minn.



I OWN THE 5 FASTEST WORLD CHAMPION STALLIONS EVER OWNED ON ONE FARM IN THE HISTORY OF THE WORLD.

TWO WITH RECORDS BELOW TWO MINUTES.

On my "International Stock Food Farm" of 700 acres I own Dan Patch 1:55, Minor Heir 1:59 1/2, Directum Jr. 2:10 1/2, Arion 2:07 1/2, Roy Wilkes 2:05 1/2 and also about 200 head of Young Stallions, Brood Mares and Colts and they eat "International Stock Food" every day. I will be pleased to have you visit my farm at any time and see my horses and their splendid condition. I feel sure that you never saw their equals at any Fair or Horse Show. **ACTUAL TEST IS WHAT PROVES EVERYTHING IN THIS WORLD.** If "International Stock Food" gives paying results for the highest priced horses in the world on my farm it certainly will pay you to use it for all of your stock. Remember that if it ever fails to give your Horses, Cattle, Sheep or Hogs, better assimilation and digestion, purer blood and perfect health with quick growth and fattening that it will not cost you a cent no matter whether you have used one hundred pounds or five hundred pounds and you are to be not only the user but also the sole judge of results. I will leave the entire matter for you to decide and accept your own statement. How the United States Government backs my claims that "International Stock Food" is strictly a medicinal tonic, blood purifier, etc. During the Spanish American War, United States officials made a special examination and decided that "International Stock Food" was strictly medicinal and I paid \$40,000.00 patent medicine war tax. Can any honorable man deny this evidence? "International Stock Food" and label design is registered in Medicinal Department as a Trade Mark No. 14791 giving it commercial standing and rights as a distinctive "TRADE NAME" FOR A MEDICINAL TONIC PREPARATION.

The United States Government issued me a Trade Mark No. 22386 on the world famous lines, 3 Feeds for One Cent, as showing how cheaply International Stock Food can be mixed with the regular grain feed - My label shows a list of the medicinal ingredients used and 250,000 Dealers have sold "International Stock Food" for over 20 years as a medicinal tonic preparation. **Write to M. W. SAVAGE, Minneapolis, Minn.**

18 Acres of floor Space Covers Over A City Block



INTERNATIONAL STOCK FOOD FACTORY LARGEST IN THE WORLD OVER 800 EMPLOYEES

- International Stock Food
- International Poultry Food
- International Compound Absorbent
- International Diseno-Chloro
- International Distemper Remedy
- International Colic Remedy
- International Calf Remedy
- International Louse Killer
- International Louse Paint
- International Gall Heal
- International Pine Healing Oil
- International Heave Remedy
- Dan Patch Stable Disinfectant
- Dan Patch White Liniment
- International Worm Powder
- International Hoof Ointment
- International Sheep Dip
- International Cattle Dip
- International Hog Dip
- International Harness Soap
- International Gopher Poison
- International Worm Remedy
- International Healing Powder
- International Quick Blister

ASK YOUR DEALER FOR ANY OF THESE PREPARATIONS and insist on having what you ask for. Beware of many cheap and inferior substitutes and imitations. High Class Dealers Sell My Preparations on my Spot Cash Guarantee to refund your money if they ever fail. **PRESENT SALES LARGEST IN THE HISTORY OF THE BUSINESS** Signed, M. W. SAVAGE, Owner of International Stock Food Co. - and also - International Stock Food Farm.

DO YOU EXPECT TO SEE THE DAY WHEN THESE WONDERFUL DAN PATCH 1:55 RECORDS WILL BE EVEN EQUALLED?

DAN PATCH 1:55 HAS PACED

1 MILE IN	1:55
1 MILE IN	1:55 1/2
2 MILES IN	1:56
14 MILES AVERAGING	1:56 1/2
30 MILES AVERAGING	1:57 1/2
45 MILES AVERAGING	1:58
73 MILES AVERAGING	1:59 1/2
120 MILES AVERAGING	2:02 1/2

DAN HAS BROKEN WORLD RECORDS 14 TIMES

In addition to all these records Dan Patch is proving to be one of the Greatest Sires of both pacers and trotters in all horse history - Look up his large official list of Standard Performers. Dan Patch 1:55 has gone more Extremely Fast Miles than the Combined Miles of All The Trotters and Pacers That Have Ever Lived. Be sure and remember these facts when you think of any Horse equalling Dan's Wonderful Performances. For Seven Years Dan Patch has eaten "International Stock Food" every day mixed in his regular grain feed. It has given Dan Purer Blood, More Strength, More Endurance, More Speed and Perfect Health. It is constantly used and strongly endorsed by over Two Million Farmers and Stock Breeders, as the Greatest Animal Tonic, and has been for 20 years. No other preparation has such strong United States Government and practical Stock Breeders endorsement, as has International Stock Food.

FARM INQUIRIES



ANSWERED BY
Prof. A.M. Ten Eyck

HONORBILT

The proper shoes for men: shoes that *look, fit, feel and wear right.* Made of selected leather—leather that is best by every test. Correct in style. Made by the finest shoe makers, in the best equipped factory in existence.

This Name Means Good Shoes

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HONORBILT

shoes are "built on honor"—built for combined style and service—built for absolute satisfaction and lasting comfort. Biggest values you can ever hope to get for the money. There is an Honorbilt style that will exactly suit you and fit you. Ask your shoe dealer; if he hasn't it, write us. Look for the *Mayer Trade Mark* on the sole.

FREE—If you will send us the name of a dealer who does not handle Mayer Honorbilt Shoes, we will send you free, postpaid, a handsome picture, size 15x20, of George Washington.

We also make Leading Lady Shoes, Martha Washington Comfort Shoes, Yerma Cushion Shoes, Special Merit School Shoes and Work Shoes.

F. Mayer Boot & Shoe Co.
Milwaukee, Wis.

ning out the other grasses where the conditions are favorable for growing the Kentucky blue-grass. This will be in the more moist spots having the heavier soil. I doubt whether Kentucky blue-grass will grow successfully in your part of the state on sandy hills and knolls. I observe that the blue-grass is already set in places in your pasture and it will simply be a matter of time until all the favorable locations are set to blue-grass. You may favor the sprouting of the seed and the starting of the young grass by disking and harrowing during an open period in the winter or very early in the spring. Also scatter the grass seed very early in the spring or late in the fall.

I would advise you to sow a little white clover also with the Kentucky blue-grass. Kentucky blue-grass will not remain permanently productive unless the white clover grows with it. It requires the legume to grow with the grass as a soil fertilizer in order to keep up the nitrogen supply.

There is probably no domestic grass which is superior to the native wild grasses for growing in your section of the state on such land as you describe. If you could place the land under cultivation you might seed to Bromus inermis and alfalfa and get a stand, but I doubt whether the Bromus inermis and alfalfa would start on the prairie without cultivation. I am mailing you a circular giving some information regarding "Seeding Bromus inermis."

Grasses for Upland Pasture.

I am writing you a few lines in regard to the seeding down of some upland in Marshall county, a thin soil with gumbo underneath. What kind of grasses should be sown and how much per acre? Would like to sow something which I could pasture this coming season with cows? The land has been in corn for a number of years and has foxtail and crabgrass on it. There are 23 acres in the field and 12 acres of old pasture. Would like to pasture six cows on the whole pasture. The pasture is Kentucky blue grass and white clover. Will also pasture four head of work horses on this pasture but will keep them of the newly seeded field.

If the Station has the seed for sale please send me prices. Also please state whether it would be of an advantage to sow with oats. James Griffee, Blue Rapids, Kan.

For pasture on upland in your section of the state I would recommend to sow a combination of Bromus inermis, English blue-grass, orchard grass and alfalfa or alsike clover, sow about three pounds of each of the grasses with four or five pounds of clover or alfalfa seed per acre.

You may seed early this spring just as soon as the soil is in condition to prepare a seed-bed, but it will not be advisable to pasture this new seeding the first season. If the grasses make a good start they may be pastured lightly during the latter part of the summer or early in the fall, but care should be taken not to pasture too close or too late in the fall.

With the old pasture included in the same area with the new seeding doubtless six cows could be pastured on the total area without injuring the young grass.

The preferable plan would be to sow these grasses without a nurse crop, preparing the seed-bed by disking and harrowing very early in the spring. You may, however, make a light seeding of oats, say about a bushel to the acre, which would furnish early pasturage for the cattle and might in this way protect the young grass to some extent; but later in the season if the weather turns dry cut the oats for hay, raising the sickle bar rather high so as not to cut off the young grass, clover and alfalfa. For further information upon the subject of seed-bed prepara-

Liming.

I would like to have some information in regard to liming. How can I tell when my ground needs liming? Is just ordinary lime used and what method is used in order to slake it and distribute it over the field? Can coal ashes be used to any advantage?—E. M. Hefty, Half Mound, Kan.

I am mailing you circulars 2, 3 and 5 giving information regarding "The Use of Fertilizers, Including Lime," and "The Rotation of Crops as Related to Maintaining Soil Fertility." The ground limestone is now being used to considerable extent in place of lime. I am mailing you circular letter giving information regarding "The Use of Ground Limestone." You will find some information regarding the use of wood ashes in circular No. 2. Wood ashes are a valuable fertilizer but coal ashes have little value except as a loosener of the soil. Soil which is very compact may be made somewhat more porous by the application of coal ashes and they have also a little plant food value.

A common method of determining whether soil is acid or not is the use of the blue litmus paper which you may secure from a drug store. By touching the blue litmus paper to the moistened soil it will turn red if the soil is acid and such soil is usually benefited by liming.

Wheat Injured by Heaving.

I am writing to you for a little information on the subject of wheat. I sowed 66 acres the first week in October, 1909. We have had quite a lot of snow and ice this winter and some of the wheat is raised out of the ground about three-fourths to one inch, but it is still held to the ground by one and some times two roots. About two-thirds of the wheat is in this condition but very little of it is dead, about one twentieth I suppose, the rest is very green and has a good color. What is your opinion of this wheat, will it all die, would rolling help it any? The ground is very wet and still frozen some.—Earl Wyatt, Palmer, Kan.

Your wheat has been injured by heaving due to the freezing of the wet soil. If nineteen twentieths of the plants are still alive the wheat may yet make a stand and a fair crop; it will depend somewhat on weather conditions. As soon as the ground is dry enough you may perhaps benefit the wheat a little by rolling as you have suggested. It will not be advisable to harrow since the harrow will loosen the roots and pull out many of the plants. About all you can do is to watch the wheat, rolling it when the ground gets drier and if the weather becomes dry and hot and remains dry and the wheat dies then replant with other crops.

Kentucky Blue Grass on Prairie Soil.

Can you tell me the surest method of getting a stand of Kentucky blue-grass on native prairie without breaking? I have several hundred acres of pasture in the Dickinson county sand hills. The soil is quite sandy on the knolls and heavy in the low parts, all is rolling. There are several patches of Kentucky blue-grass in low spots and along a small creek flowing through the tract. These are from seed sown by a speculation cattle company in the '80s and wherever it has gotten a hold it sticks. I would like to get the low parts set to blue-grass to lengthen the grazing season and would be glad to get advice as to the best kind of seed to use, and the method and time of seeding.—A. W. Hagreans, Abilene, Kan.

If you will just scatter a little Kentucky blue-grass seed over the prairie some of it will start and in the course of a few years the grass will gradually spread and cover the land, run-

ENTERPRISE

Meat and Food Chopper

The only true Meat Chopper—the only chopper that has razor-edge, four-bladed steel knife and perforated steel plate that actually cuts meat, fish, vegetables, fruits, bread, etc. without crushing or mangling.

The "ENTERPRISE" is the strongest chopper made—has the fewest parts—is the simplest in construction. Easily cleaned. Cannot rust.

For Sale at Hardware and General Stores Everywhere.

No. 5, Small Family Size Chopper, \$1.75. No. 10, Large Family Size Chopper, Price, \$2.50.

The "ENTERPRISE" Meat and Food Choppers are made in 45 sizes and styles for Hand, Steam and Electric Power. We also make cheaper Food Choppers but recommend the above. Illustrated catalogue FREE.

No. 10
PRICE \$2.50
LARGE FAMILY SIZE



Sausage Stuffer and Lard Press

The quickest way, the easiest way, the cheapest way to make the best sausage and lard is to use the "ENTERPRISE" Sausage Stuffer and Lard Press—two machines in one. It is an absolute necessity at butchering time.

It is strongly made and every part does its work without a hitch. Plate fits perfectly and cylinder is bored absolutely true. Pressure will not cause meat to rise above plate. The patent corrugated spout prevents air entering the casing, thus assuring perfect filling and preservation of sausage.

Can be changed into a Lard or Fruit press in a jiffy. Sold by Hardware Dealers and General Stores everywhere.

Write for catalogue.

No. 25
4 QUART
Japanned.
PRICE \$5.50.
4 sizes.
Tinned and Japanned.



Bone, Shell and Corn Mill

A necessity to farmers, poultrymen and all who keep poultry. A splendid general, all-round mill. Grinds poultry feed and makes bone meal fertilizer.

Grinds dry bones, oyster and other shells, corn, etc. Pays for itself in a short time. Size shown in illustration (No. 750, Price \$8.50, weight 60 lbs.) grinds 1 1/2 bushels corn per hour.

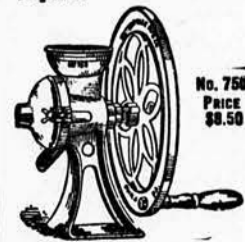
Look for the name "ENTERPRISE" on the machine you buy.

We also make other household specialties—all bearing the famous name "ENTERPRISE"—Coffee Mills, Raisin Seeders; Food Choppers; Fruit, Wine and Jelly Presses; Cherry Stoners; Cold Handle Sad Irons, etc., etc.

Ask for them at Hardware and General Stores.

Illustrated catalogue on request.

No. 750
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The "Enterprising Housekeeper" is a valuable book containing over 200 selected recipes as well as numerous kitchen helps. Sent anywhere for four cents in stamps.
THE ENTERPRISE MFG. CO. OF PA., Dept. 36 Philadelphia, Pa.

tion and seeding, I am mailing you Bulletin No. 155, which refers to "Alfalfa," but the same principles of seed-bed preparation apply equally to grasses and clover.

Intensive Farming in Illinois.


Many months ago you published a picture of my barns, silos and herd of Holsteins, with a statement of the amount of stock my farm carried. This was so unusual an exhibit of intensive farming that a number of your readers asked for details as to my methods. My answer has been considerably delayed, but it may not be uninteresting, writes James Dorsey in Breeder's Gazette.

My home farm consists of 140 acres, of which I have 135 acres in corn, and raise on an average 20 tons to the acre. I have four large stave silos and put my entire crop in them. I expect to feed an average of 235 head of Holstein cows and heifers for a year with this last year's crop in the silos. By carrying this number of cattle it enables me to cover my entire farm with manure every season. By doing this my land is rich enough so that I plant my corn 3 feet instead of 3 feet 6 and 8 inches, which is the usual distance planted in this locality, and of course gaining 6 inches on every row on a 135-acre field adds considerable to the amount of feed raised. As I have made a very careful study of silage and Holstein cows, I feel at liberty to say that any man running a dairy must have Holstein cows and a silo to make money and a success of the dairy business.

As to the cost of silage, I have charged myself \$5 for the land, \$2 an acre for plowing, \$1.50 for seeding and planting and \$1.50 for cultivation, costing \$10 per acre to raise the corn. Raising 20 tons to the acre would make it cost 50 cents per ton standing on the ground. As I am obliged to hire all my help, also a 20-horse power engine to run my 26-inch special cutter, it costs me 40 cents a ton to pay all expenses connected with putting in the silage. I also figure interest on my investment in silos and machinery. This makes a total of 90 cent per ton in the silo.

I will also say that it will not take 25 per cent of the labor to do the feeding that it would to handle corn in any other form and the saving on the waste is a large item. I feed scarcely any roughness to my developed cows, and my yearling and two-year-old heifers I feed nothing but silage and find they do exceptionally well.

When I run out of silage I am obliged to buy cornmeal and bran and clover hay, which costs me on an average of \$15.50 per ton, but I am satisfied that my cattle do better on the silo feed that cost me 90 cents a ton than the rations that cost me \$15.50.



YOU Can Make Poultry Culture Pay

It's not so much a question of any one particular breed, as *how you handle the breed you have*. If you possess a flock of "blooded" birds—well and good. But if yours are only "barnyard" fowls, don't be discouraged—they will pay you handsomely if you keep them healthy, happy, hearty and prolific by giving a regular daily portion (small) of

DR. HESS Poultry PAN-A-CE-A

In the soft feed. The effect of this preparation is almost marvelous. It gives the fowl perfect digestion, and that means the maximum nutrition is extracted from grain and "mash" and sent through the blood to make growth and eggs. Dr. Hess Poultry Pan-a-ce-a is a tonic—not a stimulant, not a condiment, not a food. Its one sole purpose is to make food available; and that it does this is the voluntary testimony of thousands of satisfied users who are coining money in the hen business. This method of feeding is known among poultrymen as "The Dr. Hess Idea," and is endorsed heartily by medical men who know the value of the elements of which Poultry Pan-a-ce-a is composed. It brings young chickens to early maturity; it helps old fowls to fat quick and tender. Pan-a-ce-a also cures Gapes, Cholera, Roup, etc.

1 1/2 lbs. 25c; mail or express 40c; 5 lbs. 60c; 12 lbs. \$1.25; 25 lb. pall \$2.50. Except in Canada and extreme West and South.

DR. HESS & CLARK, Ashland, Ohio
Send 2c for Dr. Hess 48-page Poultry Book, free.

DR HESS STOCK FOOD

If you are a farmer and own farm stock, Dr. Hess Stock Food is a necessity in your business. It's a tonic—acting directly on the digestive organs. A small dose in the grain ration, twice a day, maintains a regular, healthy action of all bodily functions in all animals receiving it. It increases appetite and at the same time gives the digestive organs power to carry the increased load. Thus it makes more milk in the cow; more flesh on the steer; and greater spirit in the horse.

SOLD ON A WRITTEN GUARANTEE

100 lbs. \$5.00. 25 lb. pall \$1.60. Except in Canada and extreme West and South. Smaller quantities at a slight advance.

Send 2c for Dr. Hess Stock Book, free.

INSTANT LOUSE KILLER KILLS LICE

\$7.55 Buys the **140-Egg** Best **Incubator** Ever Made

\$4.50 Buys the Best **Brooder**

Both Incubator and Brooder, Ordered Together
—Cost You Only \$11.50—Freight Prepaid



WHY PAY MORE? Investigate—send your name and address today, the easiest way, by postal or letter. I tell you the prices right here—and how my machines are made. You can have 30 or 60 days' trial on both incubator and brooder—and I'll send all money back if you return the machines to us as unsatisfactory. Be sure to send for my illustrated, free booklet, "Hatching Facts." But, if in a hurry, you are perfectly safe in ordering right now from this ad. Thousands do this way every year. I guarantee to ship all orders sent from this ad on day received—(from warehouse nearest you, freight prepaid.) No disappointments.

Order a Complete 140-Chick Belle City Hatching Outfit. Send only \$11.50 for both Incubator and Brooder—freight prepaid when ordered together. You'll surely need the brooder, too. So make the savings. Satisfaction Guaranteed or money back. No risk, however you order. The editor of this paper knows me to be responsible—I've advertised in this paper for many years and treat my customers liberally. I've always given my customers more for their money than any other incubator manufacturer in the world—that's why we do so much business.

BELLE CITY Incubators and Brooders



Belle City Incubators will hatch more chickens—under the same conditions—than any other incubator made, or your money will be refunded. This I guarantee. Double walls—dead air space all over—copper tank and boiler—hot-water heater—best regulator—deep, roomy nursery—strong egg tray—high legs—double door—and everything that's any good on an incubator—all in the Belle City. High-grade thermometer—egg tester—burner and safety lamp included. The Belle City Brooder is the only one having double walls and dead air spaces. I guarantee it to raise more healthy chicks than any other brooder made. Hot-water top heat—large, roomy, wire runway yard, with platform—metal safety lamp and burner.

Complete Hatching Outfit Only \$11.50

Over 50,000 machines in use—all doing perfect work. The Belle City should be your choice. Send your order now or send postal for "Hatching Facts" booklet and full particulars. Don't pay more than my price. No machines, at any price, are better hatchers or brooders.

J. V. ROHAN, President
BELLE CITY INCUBATOR COMPANY
Box 18, Racine, Wis.

MODERN SILAGE METHODS

Send for this new 224-page book on Silos and Silage. 1908 edition—size 5 1/2 x 7 1/2 in.—indexed—over 40 illus. Used as a text book in many Agricultural Colleges. Contents by chapters follow: "Advantages of Silo," 25 pages; "Silos: How to Build," 76 pp.; "Concrete or Cement Silos," 10 pp.; "Silage Crops," 16 pp.; "How to Make Silage," 19 pp.; "How to Feed Silage," 22 pp.; "Feeder's Guide," etc., 56 pp. A vast amount of knowledge boiled down—nothing so complete ever published—answers every silage question. Mailed for 10c, coin or stamps, if you mention this paper.

SILVER MFG. CO.,
Salem, Ohio

10c

WRITE ME NOW — *Wm Galloway*

THIS IS A BUSY TIME! FARMERS EVERYWHERE ARE GETTING READY FOR SPRING. ARE YOU READY?



Never was so much manure piled around the barns and feed lots as there is this year. Never in 15 years has there been such a need for manure spreaders as there will be this spring? I say again, are you ready? You've been seeing my ads this year, last year and the year before. Never wrote me yet, did you? Just because I advertise you have often wondered if Galloway was really giving the value—the quality.

Say! Do you know that that is the reason I sell so many, just because I tell the people about them. All there is to selling the Galloway is simply telling the people about them. That's how I have got the biggest spreader factory making wagon box and complete spreaders, 100 a day, more on mighty short notice. I'm ready. Are you ready?

Don't put off that manure spreader matter one more day. Don't let it lie over night. Rouse out your pencil and drop me a card for my spreader catalog. Get it and investigate. Its full of live facts. You can't tell how good and valuable it is till you see it. Make yourself acquainted with the biggest thing in Manure Spreader History. That is the Matchless Galloway Wagon Box and Complete Spreaders. Made in enormous quantities in my own factories at Waterloo, Iowa. Priced right, guaranteed absolutely. What I say to you is in black and white. I write it in the contract. Whatever promises, claims or challenges I make, I write it in the contract. No verbal promises go with you. I put it up to you unreservedly. There are no strings to my promises to you.

Here's a part: "Try my Galloway Spreader 30, 60, 90 or 120 days. If you are not satisfied, I will pay the freight both ways and refund every cent of your money with 6 per cent interest."

NOW GET your letter, postal card, telephone or wire into my office. Ask me to send you my Book of Facts on the manure spreader. Today, right now, is the best time. Do it before some other thing comes up. Write me now for my Manure Spreader Catalog. Write me the kind of trial proposition you'd like to have.

WM. GALLOWAY, President, THE WILLIAM GALLOWAY COMPANY, 387 Galloway St., WATERLOO, IOWA.



There is going to be the hottest rush for manure spreaders this spring that ever happened in Manure Spreader History, and I am prepared for it. I had the hunch 6 months ago. It's not too late now for you to write me and it isn't a moment too soon. Do it then while you have it in mind, today. Get my special prices and proposition NOW.

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HOME CIRCLE



TOWSER MUST BE TIED TONIGHT.

(Kansas Farmer having received so many more requests for the following poem than could be supplied publishes again in its columns "Towser Must Be Tied Tonight.")

Slow the Kansas sun was setting
O'er the wheat fields far away.
Streaking all the air with cobwebs
At the close of one hot day.
And its last rays kissed the forehead
Of a man and maiden fair,
He with whiskers short and frowny,
She with red and glistening hair.
He with shut jaws stern and silent,
She with lips all cold and white.
Struggled to keep back the murmur,
"Towser must be tied tonight."

"Papa," slowly spoke the maiden,
"I am almost seventeen,
And I've got a real lover,
Though he's rather young and green,
But he has a horse and buggy,
And a cow and thirty hens,
Boys that start out poor, dear papa,
Make the best of honest men.
But if Towser sees and bites him,
Fills his heart with sudden fright,
He will never come again, pa;
Towser must be tied tonight."

"Daughter," firmly spoke the farmer,
Every word pierced her young heart
Like a carving knife through chicken.
As it hunts a tender part.
"I've a patch of early melons,
Two of them are ripe today,
Towser must be loose to watch them,
Or they'll all be stale away.
I have hooded them late and early,
In dim morn and evening light,
Now they are grown I must not lose them,
Towser'll not be tied tonight."

Then the old man ambled forward,
Opened wide the kennel door,
Towser bounded forth to meet him,
As he oft had done before,
And the farmer stooped and loosed him
From the dog-chain short and stout,
To himself he softly chuckled,
"Bessie's feller must look out."
But the maiden at the window
Saw the cruel teeth show white,
In an undertone she murmured,
"Towser must be tied tonight."

Then the maiden's brow grew thoughtful,
And her breath came short and thick,
Till she spied the family clothes line,
And she whispered, "That's the trick."
From the kitchen door she gilded
With a plate of meat and bread,
Towser wagged his tail in greeting,
Knowing well he would be fed.
In his well-worn leathern collar
Tied she then the clothes line tight
All the time her white lips saying,
"Towser must be tied tonight."

"There, old doggie," spoke the maiden,
"You can watch the melon patch,
But the front gate's free and open,
When John Henry lifts the latch,
For the clothes line tight is fastened
To the harvest apple tree,
You can run and watch the melons,
But the front gate you can't see."
Then her glad ears hard a buggy,
And her eyes grew big and bright,
While her young heart says in gladness,
"Towser, dog, is tied tonight."

Up the path the young man saunters,
With his eye and cheek aglow,
For he loves the red-haired maiden,
And he aims to tell her so.
Bessie's roguish little brothers,
In a fit of boyish glee,
Had untied the slender clothes line
From the harvest apple tree.
Then old Towser hears the footsteps,
Raised his bristles fixed for fight,
"Bark away," the maiden whispers,
"Towser, you are tied tonight."

Then old Towser bounded forward,
Passed the open kitchen door,
Bessie screamed and quickly followed,
But John Henry's gone before,
Down the path he speeds most swiftly,
For old Towser sets the pace,
And the maiden close behind them
Shows them she is in the race.
Then the clothes line—can she get it?
And her eyes grow big and bright,
And she springs and grasps it firmly,
"Towser shall be tied tonight."

Oftentimes a little minute
Forms the destiny of men,
You can change the fate of nations
By the stroke of one small pen.
Towser made one last long effort,
Caught John Henry by his pants,
But John Henry kept on running,
For he thought that his last chance.
But the maiden held on firmly,
And the rope was drawn up tight,
But old Towser kept the garments,
For he was not tied tonight.

Then the father hears the racket,
With long stride he soon is there,
Where John Henry and the maiden
Crouching for the worst prepare.
At his feet John tells his story,
Shows his clothing soiled and torn,
And his face so sad and pleading,
Yet so white and scared and worn,
Touched the old man's heart with pity,
Filled his eyes with misty light,
"Take her, boy, and make her happy,
Towser shall be tied tonight."
—Duroc Bill.

never eat food that was not given him, and I am no "nature fakir."

One rainy autumn afternoon we children were sitting with our mother when a loud ring at the door, to which she replied, disclosed a boy from a poor family near by.

"Oh, Mrs. Carleton," he cried, "will you take my kitty? Mother says there are so many of 'em I must throw this feller in the pond," and he pulled from under his ragged jacket a lean, half-grown, black kitten.

There were already three fine cats in our home, but the appeal in the boy's face, where dirt and tears were freely mingled, was too much for my tender-hearted mother, and she brought into the sitting room the forlorn kitten. Without a sign of fear he looked from one to another, evidently expecting to find a friend. Then he began to wash himself. Each dirty paw was carefully cleaned and the matted fur on back and sides was bitten and pulled into shape. A saucer of warm milk diverted him, and he lapped and purred. When returned to his toilet until he was satisfied and seemed to say, "Now, I am fit for real company," and deliberately walked to each one, loudly purring for approval.

The next day no one molested him in his walks about the place, and he made no effort to return to his home just across the way. He caught a mouse and patiently watched for rats in the barn. From that time on he hunted diligently, but his toilet was his constant care. Cleanliness was to be had if not godliness. The latter was for humans. So he grew up. The lean sides filled out. The black fur grew glossy, and in a year he was magnificent with his fifteen pounds of weight.

Cats differ in character as do people. Cato was above reproach. No temptation could make him steal his food. If left alone with beefsteak or liver, of which he was especially fond, he would utter the most pleading meows, so loud that we always knew that Cato was tempted. But not even the allurements of fish or cream could cause his fall.

Years went by. Our gentle mother had passed on to that other country. We children were grown, and the old home was sold. Cato was left to me, and I took him to my new home, miles away. He was apparently happy, and soon cleared the place of rats and mice and of other cats, all of whom he despised. About six months later he failed to come when I called him in after supper. After more than a month had passed I learned that he had gone back to the old home and was hunting there. The newcomers said he was wild and accepted no food. When winter came they captured him in the barn and brought him to me. When once more inside the house his joy in the recognition of home and sympathy was pathetic. He seemed almost to talk, his little meows came so fast. He cuddled his head in my neck and gently nipped me in his joy. He never strayed again. Fifteen years had passed, and magnificent Cato was growing feeble. He was still careful of himself and would still wash his fur when he nearly fell over from weakness. He had a nice basket by the kitchen stove, in which he was tenderly placed each night and from which he purred his greeting each morning.

One morning it was silent when I entered. Cato was there, but his purring had ceased forever. "Only a cat!" you say. Yes, but a perfect life! What more can we humans show with all our high ideals?—Mary W. C. Field, Grinnell, Ia. in Our Dumb Animals.

Practical Cookery.
A recent number of the Kansas City Star contains the following write-up of the practical work in preparation and serving of complete meals as taught in the Domestic Science Department of the Kansas State Agricultural College:
"At present ninety-six young women, classified as domestic science short-course students, are engaged in this work. They are divided into three



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Seed Corn—"Johnson Co. White Dent" won more than \$10,000 worth of prizes at Chicago and Omaha National Exposition. Best in quality and largest in yield. Send for descriptive circular and hints on corn growing to the originators of this wonderful variety.
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WESTERN CANADA

Senator Doiliver, of Iowa, says:
"The stream of emigrants from the United States to Canada will continue."
Senator Doiliver recently paid a visit to Western Canada, and says: "There is a land hunger in the hearts of English speaking people; this will account for the removal of so many Iowa farmers to Canada. Our people are pleased with its government and the excellent administration of law, and they are coming to you in tens of thousands, and they are still coming."
Iowa contributed largely to the 70,000 American farmers who made Canada their home during 1909. Field crop returns alone during year added to the wealth of the country close to **\$170,000,000.**
Grain raising, mixed farming, cattle growing and dairying are all profitable. Free Homesteads of 160 acres are to be had in the very best districts 160 acres pre-emption at \$5.00 per acre within certain areas. Schools and churches in every settlement, climate unexcelled, soil the richest, wood, water and building lumber plentiful. For particulars as to location, low settlers' railway rates and descriptive illustrated pamphlet, "Last Best West," and other information, write to Sup't of Immigration, Ottawa, Can., or to Canadian Gov't Agent, **J. S. CRAWFORD, 125 W. 8th St., Kansas City, Mo.**

NEW SEED OATS

Big Money in Oats



New Seed Oats. Big money in oats if you raise the right kind. Here's your chance to get them. Imported Canadian Seed Oats for sale; extra fine. Send for free sample. It speaks for itself. This same oats was sold last year in the United States and proved their merit and our statement that the farmers need a change of seed in this country. We make a specialty of growing extra fine seed oats on our big Canadian farm; new, clean land; no weeds. Have best known varieties. Regenerated Swedish Select went 116 bushels to acre this year; Early New Market, Canada's favorite, 110 bushels to acre. Both of these are big, early yielders. I believe it will pay you to get a change of seed. Try some of these oats. The average oats are inbred and run out. Canadian Government Grain Inspector graded this grain No. 1 White. Have stiff straw, white berry, thin husk, enormous yielder. It is as easy to put in and harvest a big crop as a small one. The reason your oat crop is not bigger is because your seed is run out. This has been proven. Look at this cut. Taken from photograph of two stalks from Galloway Brothers' field, over 200 kernels to the stalk. Write early for free sample, or, send ten cents for packet. Will also send you free booklet entitled "Big Money in Oats and How to Grow Them," by Galloway Bros. and Prof. M. L. Bowman, former professor of farm crops Iowa Agricultural College. Information in this book is priceless. Get it free.

GALLOWAY BROS., 332 Galloway St., Waterloo, Ia.

groups of thirty-two each, and these are divided again into eight groups of four, each group consisting of a cook, assistant cook, dishwasher, and waitress. The cook is in charge of the group, and as each girl holds her position one week and the group works four weeks, each gets a chance to be in charge of the operations. There are eight small kitchens, on two sides of a large central dining-room, in which are eight tables—one for each group.

"At the beginning of each week the new cook is given \$4 with which she is to furnish five meals for four persons, planning her meals under the supervision of her instructor, Miss Grace Woodward. The five meals consist of one three-course dinner, two three-course luncheons, one five-course dinner, and one five-course luncheon. These meals being served at noon on regular college days.

"Members of the faculty are the lucky ones who get to eat of these feasts, and the fact that some have been on the waiting list for a year before getting a place shows that it is not considered like a place on the government 'poison squad.'

"The aim of the work, of course, is to give the young women a practical knowledge of the preparing of meals in a simple, dainty manner, and also to give them a practical knowledge of the cost and the buying of food-stuffs. Each cook has her own account book in which she keeps a record of all cash supplies used. By department supplies are meant the staples that are kept in the storeroom. This storeroom is in charge of Miss Lindsey, an instructor, with whom the cooks settle every morning for supplies used the day before. Each afternoon the cook goes down town to market, to purchase her necessary supplies according as she will need for her menu the following day.

"The kitchens are 8x8 feet, and each is equipped with china, silver and cooking utensils for serving four persons. There are also a utensil cabinet, china and linen cabinet, porcelain sink, gas range, and a work table.

It is a self-supporting course. The faculty members each pay \$1.25 a week. The \$4 coming from the table goes to the cook, while the remaining dollar pays for table laundry, ice, etc. This allows two tablecloths, eight napkins, two center-pieces for the table, and two tray dollies. The table decorations come out of the \$4. The competition between the eight kitchens seems to be to see who can serve the best and daintiest meals within the \$4 limit. The final results show a range of from \$3.10 to \$4 for the cost of the week. The money which is not spent is returned to the department.

"The preparation for this course includes a term's work in the theory of household management, which they are carrying out. The girls are scheduled to work from 10 o'clock to 1:50 o'clock. They are required to make everything they use.

"It is the custom of the College to take all of its distinguished guests to the domestic science building for dinner, and whenever a speaker is invited to the College mention is made of the D. S. 'feed.' He usually comes without urging. Many newspaper men of note, who are to take to the printing students in the next few months, will be entertained there. The regents of the Agricultural College sampled this 'feed' recently."—Industrialist.

The National Association of Live Stock Breeders, Raisers and Shippers.

The National Association of Live Stock Breeders, Raisers and Shippers is composed of 93 of the leading live stock associations of the United States that have united for their mutual benefit. This association is officered by some of the best known breeders and maintains an office at 99 Randolph St., Chicago with Secretary C. M. Fleischer in charge. Some of the objects for which this association is working are as follows:

- We are advocating the raising of more and better live stock.
- Conducting an educational campaign to prevent and eradicate animal diseases.
- Opposing the repeal of the present tax on colored Oleomargarine.
- Favoring a more liberal immigration law; favoring all railway laws in favor of the farmer and breeder.
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Magazine and 20 pkts. enough for both gardens .25 cts.

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To be pure seed gathered under our direction. Examined by the U. S. Agricultural Department and found to be pure. Copy of their letter and catalpa facts in illustrated booklet mailed free. Write for same.
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Plant Young's Yellow Dent seed corn, the best on earth. Won Missouri's gold medal at National Corn Show, Omaha, 1908. Guaranteed 90 per cent germination under all conditions or will fill order again free of charge. Price \$2 per bushel. Sample ears 50 cents each. Sample free. Choice Poland China fall pigs, \$25 each. One Jersey bull calf for sale.
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Pure bred Shorthorns and Poland Chinas.

THE FARM



Seed Corn and Seed Grains.

I am going to plant about 60 acres of corn this spring and am thinking some of sending away for good seed, and I would like your advise as to what varieties are the best for my locality. Will the Experiment Station at Manhattan have any seed for sale this spring? I would like to know if green cane and Kafir corn are any good for hog pasture.—A. M. Carlton, Geneseo, Kan.

I am mailing you Press Bulletin 175, giving list of seed corn and other seed grains which we offer for sale with prices? For your section of the state I recommend Kansas Sunflower, Boone County White or Hogue's Yellow Dent, we have seed for sale of these varieties.

The common practice is to sow cane or Kafir corn for hog pasture, perhaps cane is the preferable crop and may be as profitable to grow for hog pasture as any annual crop. I am mailing you circular letter giving further information regarding "Annual Pasture Crops," but advise you to seed the land to alfalfa and secure permanent alfalfa pasture for hogs; where alfalfa grows successfully there is no perennial crop superior to it for hog pasture, if you require further information regarding seeding and culture of alfalfa you may secure Bulletin 155 by writing to Director E. H. Webster of the Experiment Station, Manhattan, Kan.

A. M. TENEYOK.

The Beef Club.

The topic of the hour is the "meat boycott" farmers, merchants, laborers and professional men. All touch upon this question in even casual conversation, and in one form or another this and the kindred topic "the high cost of living" are occupying many pages of almost all classes of publications, from the daily papers to the monthly magazine. There are many speculations as to the cause and much conjecture as to the result, but few if any fail to acknowledge that the price of fat animals is in keeping with the price of corn, a little increase perhaps in the case of hogs because of shortage in supply, owing to last year's high priced feed.

There seems to be a general consensus of opinion that the difference between the price the farmer realizes and the price the consumer is obliged to pay is too great. Either there are too many middlemen each of whom must have his profit, or someone is making an undue percentage of gain; but with the cold storage warehouses full to overflowing there seems not much probability of a reduction soon.

Why cannot the situation be met by the organization of the consumers for the purpose of supplying themselves with their own fresh meat, after the manner of the old beef clubs modified to meet local requirements?

There may be some who are not familiar with the beef club plan so I will briefly describe it.

A certain number, preferably fourteen, agree each to furnish an animal of a certain uniform type, usually a fat two-year-old heifer, one to be killed each week on the same day of the week, and divided into as many portions as their members; these pieces being numbered consecutively the same in all the animals killed, and each member receiving one portion each week. The numbering commences with the neck piece on the right side, goes down the right side to the hip, commences then and goes down the left side the same way each side usually being divided into seven pieces.

The assignment of the first killing is decided by lot, and afterwards each person takes the piece with the next number, the one getting piece no fourteen taking no one next time. The one getting piece no four one week will get piece no five the next week, until the fourteenth week when each member will have received fourteen pieces or a whole animal. The weight of each piece and the person receiving it are carefully recorded and at the windup each person pays or receives for the surplus furnished as compared with the amount received at a certain specified rate. The person who does the slaughtering and book keeping can be paid a certain amount or allowed to keep the hide. The success or failure of a club will depend largely on the choice of the butcher.

This is not mere theory but is and has been in practical operation in certain farming communities for many years one neighborhood I know having as many as seven clubs running at the same time and I see no reason why the idea cannot be adopted in other than farming communities and with other than beef animals. There certainly needs to be some remedy.—J. M. Gilman, Leavenworth, Kan.

Look Out for the Chinch Bug.

Herewith is shown a photograph of a bunch of prairie grass, commonly called sage grass (andropogon scoparius), on which was found more than 6000 hibernating chinch bugs. The photograph was sent from Wellington, Kan., by Mr. E. O. G. Kelly, of the Bureau of Entomology, United States Department of Agriculture. Mr. Kelly states that this is a typical bunch of grass which is just like thousands of others and which shows that there are millions of these pests now, in winter quarters awaiting the arrival of spring to work havoc in the wheat fields. He suggests that burning of the grass at this season will destroy 80 to 90 per cent of these bugs and thus relieve the farmer of this numerous and dangerous enemy. The grass should be burned before spring opens and it should be done by community work as the destruction of the grass by isolated individuals will have but little effect upon the seasons crop.



A bunch of prairie grass on which is located more than 6,000 chinch bugs.

The Cry of "Fire"



Always a fearful cry—many times more terrible when heard on a farm, away from adequate fire protection—perhaps with nothing but a single ordinary lift pump to depend upon. The wise farmer insures himself from fire calamity by an investment in

DOUBLE ACTING Red Jacket FORCE PUMPS

Almost any farmer can afford to install one or more shallow well Red Jacket equipments, located conveniently to his residence and other buildings, which, with a few lengths of hose, will provide ample fire protection. We want you to know about these pumps, also all about

YOUR WATER SUPPLY

Pumps and their Possibilities

our pumps for deep wells. They are made in the largest and most perfect, exclusive pump factory in the world. They possess special Red Jacket features found in no other pumps—are marvels of mechanical ingenuity, yet perfectly simple, absolutely dependable and easy to operate.

Red Jacket pumps are sold by leading pump dealers. Write today, giving name and address of your dealer, and we will mail you interesting booklet, "Your Water Supply."

Red Jacket Mfg. Company
Davenport, Iowa.
Largest exclusive Manufacturer of pumps in the World.

Red Jacket Double Acting Force Pumps of the famous "So-Easy-To-Fix" kind—can be repaired without tearing up platform or removing pump from well.

Variegated Alfalfas.
Within recent years alfalfa has forged to the front as a forage plant in the United States with extraordinary rapidity. In fact it may now be considered one of our most important crop plants. It is grown to some extent in all sections, but it is only in the western half of the country that it takes rank as a leading forage crop. In most parts of the west the ordinary alfalfa appears to be well adapted to prevailing conditions, but for localities where drought resistance is important, and along our northern border where ability to stand extremes of cold is essential, it has been found very desirable to secure improved strains.

The species of alfalfa ordinarily grown bears violet colored flowers, and its seed pods are coiled into close spirals. Persia was probably the original home of this species. There is, however, another species of alfalfa growing wild in Siberia and throughout the greater part of Europe which bears yellow flowers and whose seed pods are sickle shaped. The prostrate stems and poor seed bearing qualities of this species are obstacles to its use as a forage plant. It is, however, very drought resistant and is able to stand very low temperature without winter killing.

Where the yellow flowered alfalfa grows alongside fields of ordinary alfalfa, there is a tendency for the species to cross and produce hybrids combining some of the qualities of both species, and bearing both violet and yellow flowers. In this way have been naturally produced variegated varieties which are better adapted to stand extremes of cold than ordinary alfalfa. Variegated varieties, though possessing only 5 to 10 per cent of the yellow flowered parentage, are greatly superior for rigorous northern climates.

The strains of variegated alfalfa which have assumed greatest importance are those known as "sand lucern," "Grimm alfalfa," and "Canadian alfalfa." In many tests, the variegated strains have resisted winter killing better and have given larger yields than ordinary alfalfa in the northwest and Canada. The Grimm alfalfa is grown with remarkable success in Minnesota and North Dakota. It is thought that some variegated strain may prove to be more successful than ordinary alfalfa in the eastern states, but this has not yet been clearly demonstrated.

The United States Department of Agriculture, which has done a great deal of work looking toward the extension of alfalfa culture, has just issued a bulletin giving a very interesting account of the origin and character of these variegated alfalfas.

A Protection for Young Trees.

I give the following to the Kansas people, as a sure protection for young trees against damage by rabbits.

Take fine meshed poultry netting, two feet wide, and of length according to the size of the tree, but not less than two feet. Get four stakes each three feet long and fasten the wire to the stakes with small wire staples, placed not over six inches apart. This leaves the wire free at one end about six inches. Then drive the stakes into the ground in a circle around the tree so that the free end of the wire will complete the circle. Fasten the free end to the first stake. Drive the stakes into the ground until the wire at the bottom of the guard will be about two inches below the surface. Arrange the guard with the tree in the center. These guards will need straightening up occasionally, if there is any stock running loose among the trees. With these guards in place, the farmer can lie down and sleep all night without worry, and the bark of each of his trees will be found in the proper place in the morning, and each succeeding day until the guards can be disposed of. This means protection in fact. Try it. It is not expensive.—Dr. Alderson, Wilson, Kan.

Honey Layer Cake.

2-3 cups butter, 1 cup honey, 3 eggs beaten, 1-2 cup milk.
Cream the butter and honey together then add the eggs and milk. Add two cups flour containing 1 1-2 teaspoonfuls baking powder, previously stirred in. Then stir in flour to make a stiff batter. Bake in jelly tins. When the cakes are cold take finely flavored candied honey, and after creaming it spread between the layers.

The Surest Thing on Earth

is success and satisfaction with a

Sure Hatch Incubator

We allow you a sixty days Free trial. We give you a signed guarantee protecting you against defects in material and construction, and the Bankers' Surety Company of Cleveland, Ohio, with \$1,000,000 capital and surplus, issue to you a Surety Bond guaranteeing that we will live up to the promise made in our liberal guarantee.

We couldn't afford to make the guarantee we do, and the Bankers' Surety Company would not back our guarantee with their good cash if the **Sure Hatch Incubator** were not the best built, most dependable incubator on earth.

The Double Redwood Walls with the Dead Air space between for insulation, the Dependable Hot Water Heating System, the Sensitive Heat Regulator, and the economical steady burning lamp are some of the things that make **Sure Hatch Incubators** more than merely satisfactory—they **never fail** to hatch the fertile eggs. **We pay the freight.**

Don't take any chances: There are so many incubators on the market that claim to be the best, that you ought to buy a machine that is absolutely guaranteed to give full satisfaction, and look into the guarantee as well as the incubator. The **Sure Hatch Guarantee** is the only one backed by a \$1,000,000 bond. Purchasers actually receive this Surety Bond at the time of purchase.

60 Days FREE Trial

Write to-day for big 100 page Poultry Book Free

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Box 43 Fremont, Nebr.



LET THE COWS PAY FOR IT

from the surplus earnings over and above what you are now getting for your butter and cream.

Pay \$5 at time of purchase and \$5 a month until paid for in full. That is practically making the cows pay for a

Monarch Cream Separator

and you save \$20 to \$25 in agent's profits and freight by ordering direct from factory.

MONARCH CREAM SEPARATORS are priced at from \$29.75 up, according to capacity. They are sold with an unlimited guarantee that absolutely protects you for 20 yrs. to come. Try the MONARCH 30 Days Free and if you don't find it the easiest running, closest skimming, best all around separator you ever saw, send it back at our expense.

Write today for our plan of how your cows can pay for separator.

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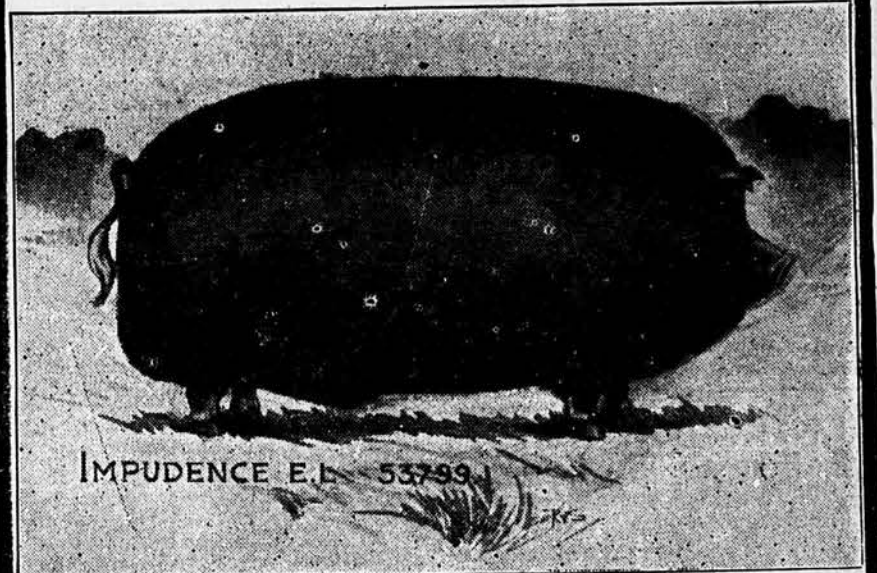
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Lindsay, Kansas, Wednesday, March 9,

60 head, 35 head of which are in pig to the great Impudence E. L. and Noble Chief; more than half of the offering sired by Impudence E. L. Others by Hurry On, Trouble Maker, etc. Among the real attractions will be a very choice gilt sired by Perfection Likeness, dam Lady Winn by Meddler 2d. One gilt by Nobleman, the show boar by Meddler



2d. Her dam was the great show sow, Orange Blossom by Chief Perfection 2d. Two gilts by Nobleman and out of E. L. Flower by On and On. A sale of attractions. Many animals are being sold that I would not part with but for the fact that I am changing locations. Catalogs ready now. Sent upon application. Mention this paper.

Lafe Burger, auctioneer. Jesse and J. W. Johnson, fieldmen.

D. A. Wolfersperger, -- Lindsay, Kansas

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Are the best that brains can produce. Made for 2, 3, 4, 5 and 6 horses. HEIDER 3-horse Wagon Eveners for wagon, manure spreader, grain drill or any other implement with pole. HEIDER 4-horse Flow Eveners work 4 horses abreast on gang sulky or disc plow, 1 horse in furrow, 3 on land. No side draft, all horses pull equal. We make Clevises to attach our Eveners to all plows. **ASK YOUR DEALER for HEIDER EVENERS;** if he can't supply and how to get them. Let us prove to you the many points of merit, why you should accept no other kind and insist on getting HEIDER EVENERS if you want the best on the market. We also make wagon doubletrees, singletrees, neckyokes. **HEIDER MFG. CO.**
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POULTRY



The hatching season is going to be late this year, for no sooner do the hens commence to lay, than a cold spell comes along and stops the laying process and without fresh eggs there can be no chicks.

Hence we say, buy an incubator, and by the time you get a good supply of eggs, you will be ready to start them on the road to incubation, without waiting for the hen to get broody. Send off for several incubator catalogs.

It would be a good idea for those who have no incubator to buy one this season for setting hens are sure to be scarce. It has taken them so long to commence to lay that their setting days are sure to be prolonged away into the summer.

It would surprise a great many poultry raisers at this time of year, if they were told that one reason why their hens are not laying at the present time is because they are infested with lice. But it is a fact nevertheless, even in this cold weather the lice can be seen crawling over the bodies of the hens if they are inspected. The remedy is a thorough dusting of the hen with a good insect powder that can be bought at any drug store.

Besides the lice on the hens, many a poultry house is filled with chicken mites. They live in cracks and crevices and nesting material, infesting the fowls generally when they are on the roosts and nests. In these hiding places they will multiply to thousands in numbers and prey upon the fowls, it not checked, so ravenously as to actually kill them. Many hens have died on the roosts and many more on the nests from this cause. The mites not only suck blood from the chicken but lacerate the skin in hundreds of places, causing great irritation, and no doubt great suffering. In the sitting's hen's nest they attack the chicks as soon as they are hatched and hence are the cause of much loss among young chickens. The remedy is to thoroughly spray the hen-house, roosts and nests with liquid lice killer or an emulsion of kerosene and carbolic acid.

A subscriber whose hens are not laying these days, wants to know which is the best egg food or egg tonic to give to such hens. Personally we have not much faith in egg foods. A little fed in the mash might possibly help a little, but is hardly ever worth the price that is asked for it. To coax non-laying hens into commencing to lay, I would feed them a warm mash these cold mornings composed of alfalfa leaves, corn chop and beef scraps or beef meal, moistened with warm milk or soup made from beef bones. At noon I would feed wheat quite plentiful in the litter for the hens to scratch for it and at night all the parched corn they would eat. I would see that the hens had a warm house and were free from lice and if under these conditions they would not lay I would sell them and buy some that would lay, but I am satisfied that the ordinary hen under such treatment would certainly shell out some eggs.

According to late accounts a great poultry farm in the Ozark country is to supply the eggs and become the center of the egg industry in the United States. It has been discovered that because the land in the Ozark foothills is dry within an hour after a rain, the very thing demanded in raising chicks until they are feathered, that country holds resources unequalled. Mr. George R. Robinson of St. Louis has recently started a \$30,000 egg farm near Pacific, Mo., in charge of Rolla C. Lawry formerly assistant professor of poultry husbandry of Cornell university, who selected the land because of its dryness, abundance of gravel for chickens, plenty of pure water and climate just right for hens to thrive and lay regularly. The writer is acquainted with Mr. Lawry and started him in the poultry busi-

ness some twelve or thirteen years ago. He sent to us for a setting of W. P. Rock eggs, hatched several chicks and took them to a poultry show, won several premiums and first premium on pullet scoring 96 1-4 which he called the "Belle of Pike," Pike being the name of the county in Missouri he then lived in.

Poultry on the Farm.

While most of us may find a certain amount of pleasure and pride in some part of the poultry business or in some particular breed, we need most to discuss conditions that effect profit and loss.

ABILITY TO CONTROL OUR FLOCKS WHEN DESIRED.

This means houses that can be closed or high yard with good gates and reliable hatches. But don't understand that we mean to keep any aged farm chicks shut up all of the time. Possibly chicks under six weeks old can be kept healthy in close quarters, we may save some from hawks, animals and storms. However, if weather be good, I have better success myself with little chicks turned loose with a good cross hen. As a precaution against drowning in sudden showers I have several boxes turned down in parts of orchard and grove most remote from chicken houses and find that hens and chicks learn their daytime use. It saves time and chicks if you have your flocks well trained to come for a bell call or whistle. I have seen this practiced most beautifully, but I have failed.

An important reason for being ready to control the farm flocks is to prevent the spread of disease. While it may not always be so, I have so far succeeded in keeping down any severe epidemic. The first sick or droopy hen is a signal to wake up and do something, usually to clean up and make bonfires and maybe kill and cremate the one sick hen, but shut the others up and compel them to take medicated water and food or nothing for a few days. Such disease preventing treatment may lessen the egg supply for a short time but better do that than lose any more hens. Look sure to see that lice and mites were not to blame. A fowl weakened by insect pests will more quickly succumb to disease of any kind.

Another reason for having arrangements for controlling of poultry is the occasional need of breaking up bad habits of both hens and animals, laying out, tree roosting, egg eating, dogs and cats, and chicken-eating hogs. Give the layers well-shaded, odd-shaped nests; old stoves, etc., well provided with nesting and nest eggs then see if keeping them yarded until evening for a week will reform the vagabonds. Outside of breeding reason shut up, most of the time, any male birds you think you must keep over. Have these rooster coops near the laying house and still fewer hens will try to steal away from chicken-house for nests.

The control of a small breeding flock of your most choice hens and pullets or your best layers may add to the future profit, and save the expense of enough male birds for the whole flock. But if you live far enough from neighbors, it may pay best after all to get rid of every cripple, dwarf, or previously sick bird and set the best eggs from a flock that has entire freedom. The time saved in providing the exact care and variety of food for yarded breeders may pay for the extra roosters needed for all the hens you own. We can, however, have a small breeding flock and a larger one of culls, and let each bunch loose on alternate days, or if any difference, let the breeding pen have more days of free range.

In poultry literature there is too

100 EGG

Triple wall, copper tank clear top, full height incubator. Dependable regulator. Nursery, chick drawers and double glass in door. It is 26 inches long, 21 inches wide and 31 inches high. The \$10 price includes complete incubator with thermometer, funnel and instruction book, all delivered at any R. R. station east of the Rockies. With brooder the price is \$15. Catalog of larger machines from Geo. Ertel Co., 167 Kentucky St., C. Incy, Ill.

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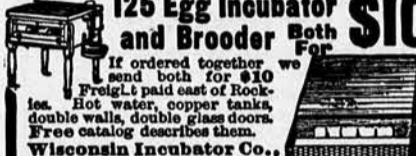
SAFETY HATCH

Clay Center Inc. Co.
Clay Center, Kansas.



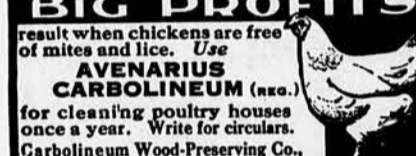
125 Egg Incubator and Brooder Both \$10

If ordered together we send both for \$10
Freight paid east of Rock-Island.
Hot water, copper tanks, double walls, double glass doors. Free catalog describes them.
Wisconsin Incubator Co., Box 129, Racine, Wis.



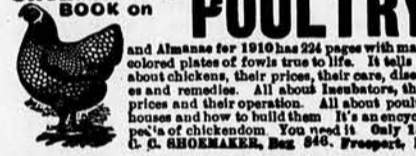
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result when chickens are free of mites and lice. Use **AVENARIUS CARBOLINEUM** (REG.) for cleaning poultry houses once a year. Write for circulars.
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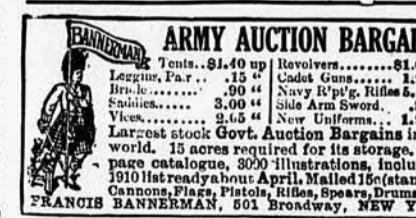
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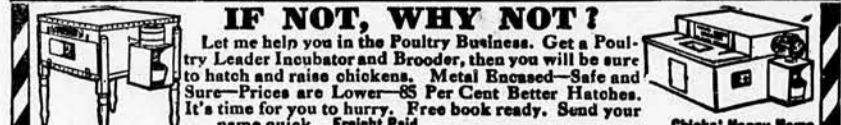
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Cockerels and pullets from birds that win at St. Louis and Kansas State Shows.
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For sale, cockerels, \$5 up. Females, \$2.50. Trios, \$10.00. Won 27 prizes in 1909.
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THIS ADVERTISEMENT IS GOOD for 25 cents on two settings of eggs from four leading utility breeds. Send postal card for prices and score of birds.
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Choice Barred P. Rock cockerels, \$2.00 to \$4.00; hens, \$2.00 to \$3.00; eggs from yards, \$2.00 per 15. Farm range, \$6.00 per 100.
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From fancy S. C. Buff Orpingtons. Pen 1, \$3 for 15; pen 2, \$2 for 15; farm range, \$1 for 15; incubator rates, \$5 per hundred.
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Single Comb White exclusively. 50 cockerels, have never run with hens since they began to crow. Eggs for hatching in their season.
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100 excellent farm raised breeders and show birds for sale; won 1st hen, 1st and 2nd pullet, 2nd cockerel and 2nd pen at Newton Poultry Show, Dec. 6-11, 1909.
W. B. FREYE, Arkansas City, Kan.

little said about convenience of feed and water supply. Under the same roof and with an inside outlet there should be with each poultry house two or more mouse-and rat-proof bins, so placed that a team and wagon can be driven beside them and fill from an outside window. Into one, put the winter's supply of dust and sand. Into the other bins, the winter grains. And is there any reason for not having a hen house loft filled with alfalfa, Kafir heads, and millet, oats, wheat or barley in the sheaf?

Now, I have not seen either the real or even a printed diagram of my ideal chicken house, but I live in hopes of having it sometime. The relative position of poultry departments to farm house, orchards and garden is important. The woman on a farm usually gets enough exercise without the chicken houses being any farther away than necessary. Yet, on the other hand, if alfalfa fields or other green meadows are not quite in reach of the home petted fowls, better have part of the layers at least in reach of such green fields. A poultry fenced orchard or garden pays every time, and it pays to have them so connected with chicken houses or yards that at proper time a flock can be turned in to clean up insects and surplus vegetation.

Now, some sister will say, "But suppose I can't get my men folks to even set a post." Well, let the men pay for the clothing and grocery bills until you save enough egg money to hire some other man to help you build fences. While a woman should know how to set posts, use wire stretchers and hang gates, she ought not to have so to do. But if a woman can't use a saw, hammer and nails at the lighter coop-making or chicken house repairs, she had better not go extensively into poultry business.

CONTROL OF PESTS.
Both the mite and the rat question would be well settled if we could make up our minds to have nothing but concrete or metal lined buildings. But for us who haven't, the fight is harder. I find swinging perches and the use of a torch to kill mites the quickest and cheapest, and safe even in a wooden house if you have not recently had some inflammable material on the roosts. Don't let hens roost on nests even if you have to frighten them to break up the habit. A good spray pump that will spray white wash is the greatest help toward keeping hen house walls and roof sanitary and adds light and cheer in winter.

For head and body lice on grown fowls, it seems hard to entirely do away with the individual treatment of each bird with grease and kerosene or with louse powder. For tiny chicks, so easily hurt by too much grease, I find a quick and economical way of using common insect powder: Put in as many downy babies as can stand on the bottom of a clean tub or boiler. Take a handful of insect powder and sprinkle and rub it across all the chicks; then stir them gently until you are sure the powder has been dusted clear to the skin of every one. I watch them closely, yet never had a chick injured. When the lice begin to crawl out and die on the surface, I take these chicks out, pour out the surplus powder that has fallen to bottom, and use it on the next flock. This treatment does not kill the louse eggs, so needs repeating oftener than greasing.

There are some articles, though found on most farms, that the poultry keeper needs a separate set of. The woman who cares for the chickens needs her own saw, hammer, square, level, hatchet, wire cutter and pliers; a separate lantern, a strong little hand cart or child's wagon, a larger covered manure cart with shafts for use of horse, a grit or bone mill, a root shredder, and last but not least, a rifle or revolver and ability to use it. One article she doesn't need is a poultry punch. The common revolving harness punch beats regular poultry markers all to pieces.

This article is getting long enough without the mention of incubators and brooders.

I can hardly refrain from again mentioning the ever-present exasperating hog. If there is anything worse than pigs to try the temper of a woman raising chickens without yards, it is the presence of still more pigs. But when an old sow gets loose and tears up the very fences themselves and tips over a chicken house or two,—well that is the limit.—Mrs. A. F. Ross, Ionia, Kan.

Johnson Wants to Send You a Letter

Friend—

This is a wide open letter to every man and woman who raises chickens for profit. I want to send you my new, big book—and a personal, confidential letter. I'll tell you just how much less than \$10.00 one of my world-famous Old Trusty Incubators will cost you—eight prepaid. Here's how I do it.

I'm making 65,000 Old Trusty Incubators this year. My "overhead expense"—cost of light, heat, power, etc.—is just the same as it would be on 30,000. I can afford to make less than 8% profit on each incubator because I make so many. If I only made half as many incubators, I'd have to make 16% profit. That's easy to understand—isn't it? It's the Law of Volume. 65,000 incubators are a good many more than anybody else is making in a year. So you see how I can afford to make less profit on each machine than any other maker.

But don't think for a minute that I've sacrificed the Old Trusty High Quality in order to get down to my less-than-\$10.00 Freight-Prepaid Price. I want you to understand that Old Trusty Incubators are built up to a standard—not down to a price. No matter how much you pay for any incubator, it can't hatch better than the Old Trusty; I let you prove that yourself by giving you 40, 60 or 90 days' trial at my risk. You can see in a minute that I couldn't take these chances on my Old Trusty unless I were sure it would do the work right, both for new beginners and old experienced poultry raisers.

I haven't room here to tell you about the money-making advantages of Old Trusty Incubators. It takes a good part of my big book to do that. My 10-year guarantee—40, 60 or 90-day trial offer and less-than-\$10.00 freight-prepaid price ought to interest you enough to write me. Now send me the coupon below—or a postal or letter, so I can write a personal letter to you. I'll send you my new, big, 144-page book. It tells the things you want to know about Incubators and Brooders and how to make money with the Old Trusty. Thousands and thousands of people all over the country are making big money in the chicken business because the Old Trusty Incubator is certain and sure. You can do the same. Write me today.

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Care of Honey and Where To Keep It.

The average housekeeper will put honey in the cellar for safe keeping which is about the worst place possible. Honey attracts moisture and in the cellar extracted honey will become thin and in time may sour. With comb honey the case is worse because the appearance as well as the quality is changed. The beautiful white surface becomes watery, and darkened drops of water ooze through the cappings and weep over the surface. Instead of keeping honey in a place that is moist and cool keep it dry and warm, even hot. It will not hurt to be in a temperature of even 100 degrees. Where salt will keep dry is a good place for honey. Few places are better than the kitchen cupboard. Up in a hot garret, next to roof, is a good place and if it has had enough hot days there through the summer it will stand the freezing of winter. Under ordinary circumstances freezing cracks the comb and hastens granulation or candying.

Granulated or Candied Honey—How To Liquefy.

When honey is kept for any length of time it has a tendency to change from its clear liquid condition and become granulated or candied. This is not to be taken as any evidence against its genuineness, but rather the contrary. Some prefer it in the candied state, but the majority prefer it liquid. It is an easy matter to restore it to its former liquid condition, simply keep it in hot water, but not too hot long enough. If heated above 160 degrees there is danger of spoiling the color and ruining the flavor. Remember honey contains the most delicate of all flavors, that of the flowers from which it is taken. The best way is to set the jar of honey inside another vessel containing hot water, not allowing the bottom of the one to rest directly on the bottom of the other, but put a bit of wood or something of that kind between. Let it stand on the stove but do not let the water boil. If the honey is set directly on the reservoir of a cook stove it will be all right in a few days.

Farm Beekeeping.

It requires no more intelligence and skill to raise bees than to keep poultry. It requires a certain amount of work and at the right time, yet this in no sense, equals the attention given poultry. But for some reason few farmers have bees. If it is lack of knowledge that keeps them from it then the excuse is easily overcome for there are many bee journals and books that would give the desired information. If it is a fear of bee stings, these may be prevented by certain appliances. Surely no one should be kept from the enjoyment of honey because of cost. The bees and the necessary equipment need not cost much. Perhaps some have been led to believe, through foolish newspaper reports, that bees are injurious to fruit. This is not so. Bees cannot break the skin of any fruit. Because they are seen sucking the juice of punctured grapes they have been falsely accused of doing the puncturing.

Honey is the purest and the least harmful of sweets. The farmer could just as well as not get a few hundred pounds for use on the pancakes. The honey crop is clear gain, for no flowers need necessarily be raised to pasture the bees. They aid in the fertilization of fruit trees and the smaller clovers.

Get a few hives of bees this spring and start in a modest way to gather a side line crop from the farm that has heretofore been going to waste.

Sweet Clover for Bees.

To produce the first crop of sweet clover, sow 20 pounds of the seed per acre any time between Dec. 1 and Feb. 1, as the seed always germinates best if it freezes a few times in the ground. About the first of September it is well to turn stock on the clover and pasture it until the first of December, as it will keep green until this time, and even later, writes R. L. Snodgrass, Augusta, Kan., in Gleanings.

The following spring one may pasture it for two or three weeks; and if it is not grazed too long it will give a good crop of bloom and seed; if it

is pastured too long it will not grow so tall and the blooming and seed crop may be cut a little short.

As soon as the seed crop is cut, plow the ground and sow to buckwheat or millet; and as soon as either of these is harvested the ground is in fine condition to disk to wheat. I do not consider it advisable to sow more than half a bushel to three pecks of wheat per acre if a good stand of sweet clover is desired the following spring, as too heavy seeding of wheat tends to smother out the clover. If the wheat is not too thick the sweet clover will come up in the wheat from the seed, and the following year another good bloom and seed crop can be produced. One can again go through the same routine as before. I have the best stand of sweet clover that I ever had, that I managed in just this way.

It always pays to plow up a field after a seed crop has been cut, for a good stand is never secured after a seed crop has matured, as the old plants smother out the young ones. Hence I recommend plowing it up; in fact, the clover does better if a field is plowed up every two years.

Any one managing a field in the way I have described can well afford to pay \$5.00 per acre, cash rent.

There is no other clover that is such a soil renovator as sweet clover. I have been pasturing my clover ever since one month after I cut the wheat. When I turned my cows on it they double the flow of milk, and the clover is still green as it can be at this writing, Dec. 5, and my cows are still grazing on it—the white clover. I have also a 15-acre field of the yellow variety on rented ground that is about one foot high, and just as green as in mid-summer. I haven't turned the stock on this yet, but expect to do so soon. I prefer the yellow variety to the white, as it is an earlier bloomer and makes more pasture, as it will stand closer grazing. The hay is also much finer, and cures more quickly, and therefore is ready to stack much sooner than the white; and I believe, too, that the stock eat it more readily.

Now, the most important feature of it all is that it is an earlier bloomer by two or three weeks than the white or alfalfa either, and consequently it puts the bees in good condition for the alfalfa honey-flow; and if the first crop of alfalfa fails to bloom, as is usual in Kansas, the yellow sweet clover lasts until the second crop of alfalfa is in full bloom. I had 100 colonies last season that had only eight or ten acres of the yellow variety to work on, and my colony on scales gained about 2 pounds per day for 30 days, on the yellow variety of sweet clover, between the first and second blooming of alfalfa. Now, if this will not put all colonies in shape for the second blooming of alfalfa I don't know what will unless it is heavy feeding, and that is rather expensive and not so easy. And in addition to the benefit my bees and stock derived from it I secured about 2,000 pounds of cleaned hulled seed.

Can I Make a Living with Bees?

To answer it depends on the man or woman who is back of the venture, and how much is required for a living. To the persons with ordinary intelligence, mixed with good, hard common sense, not afraid to work and who has the quality of stick-to-it-iveness that is necessary for success in any line of business, there is no question but what a substantial living can be made with bees and some money be laid up beside. That is, taking into consideration that the family is not of the over extravagant kind and can live within a reasonable limit.

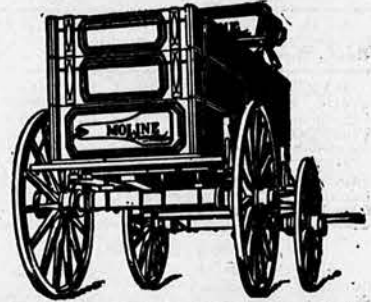
There is no business today that produces quicker returns than bees, or a greater per cent of profit for the money invested. Nothing on the face of the earth is so full of business as the busy little bee. She is more industrious and earns more in proportion to her weight than the human being. Give her a fair chance and she will prove to be a savings bank, yielding daily dividends.

The reason there are so many unsuccessful attempts in the bee business is that people who have made a failure in life at some other pursuit finally take up bee keeping. Nothing could be more absurd. A man

A New Way of Building Farm Wagons

Every notable idea, every important step forward in farm wagon building, originated with the Moline Wagon Company. Moline Wagons have always been the strongest, most improved, and most durable. And now we have perfected a wagon that is in every way vastly superior to every wagon ever made—a wagon that surpasses the most perfect Moline of former years, with 14 important improvements—all new inventions, and used for the first time in the

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It is made of the same iron-strengthened, weather-cured hickory and oak, which has made Moline Wagons famous for their durability—it is the same light-running wagon as of old—but, its strength and convenience is doubled. Service considered, it is the cheapest wagon you can buy. The expensive wagon is the one that costs a few dollars less now but needs repairs every few days and is all gone to pieces in a few years. If you need a wagon, speak to your dealer at once about the John Deere Moline Iron-Clad. There will be a demand for three times the number of wagons we can build during 1910. If you aren't even thinking of buying a new wagon now, write for our illustrated booklet. Post yourself on this remarkable wagon.

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Send us your name and address for this **Free Booklet** in Colors. Tells how to get even discing for perfect seed beds.

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Ask us to mail you Free Book No. B 13 and we will also send our Latest Corn Book and Farmers Pocket Ledger, all without charge.

It pays to use high-grade tools. Keep posted on up-to-date methods. Other exclusive features of the Model "B" are extra high arch frame, scrapers with oil-soaked bearings, all-steel gang frames.



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who is not capable of making a living in other lines is not very apt to succeed with bees. Then too, many plunge into beekeeping on too large a scale without any previous knowledge or experience. Did you ever know a man who had lived on a farm all his life, made farming a life study and without any previous knowledge or experience, undertake to practice law or medicine, or in fact any other profession? If you do, you certainly do not know of anyone who has made a success of it, do you?

One is just as reasonable as the other. It requires just as much experience to manage successfully a large apiary with a profit, as it does any other business of profession. Yet there are thousands of bright and intelligent men and women who deliberately undertake bee-keeping on too large a scale without any knowledge or experience, and anticipate quick returns and large profits. These same men would no doubt advise you very fatherly not to undertake manufacturing or any kind of mercantile business unless you had first gained sufficient experience.

To the novice who desires to embark in the bee business, a brief outline of the surest plan may prove helpful. First of all, do not plunge. A plunger rarely succeeds unless he has considerable experience. The better way is to handle a few colonies as a side issue or work as a helper in a large and practical apiary. Profit by the other fellows' experience, read, study and observe. Increase your apiary as you gain experience and success warrants it. By going slowly and carefully while learning, your mistake will cost you very little. Location is the foundation of success. A great deal depends on the locality. Start right. Be sure to secure well sheltered location. This is absolutely necessary. When conducted along legitimate business lines, and with proper knowledge of the requirements of the business, there is no line any more profitable in proportion to the amount invested than that of beekeeping.

Of course the first requirement is a knowledge of the business. The second requirement is scarcely less important and that is good, energetic stock. Scrubs or hybrids are not profitable in any sense of the word. Where these requirements are observed there is no industry on a more stable foundation than the bee business, and there is no industry that is leaping up in popularity faster. The United States Secretary of Agriculture showed by his last report that the bee industry amounted to more dollars and cents than any other industry in proportion.

In all you do profit by your mistakes. Stick to it, and don't become discouraged. A half-hearted individual never won success in any undertaking. Get after it with a determination. A living from beekeeping is easy enough. Not alone is it the most pleasant and independent business you could engage in. Thousands are making a living from beekeeping and paying for nice, comfortable homes. You can be one of them if you try.—J. C. Frank, Dodge City, Kan.

Honey Fruit Cake.

1-2 cup butter, 3-4 cup honey, 1-3 cup apple jelly or boiled cider, 2 eggs well beaten, 1 teaspoonful soda, 1 teaspoonful each of cinnamon, cloves and nutmeg. 1 teacup each of raisins and dried currants.

Warm the butter, honey and apple jelly slightly, add the beaten eggs, then the soda dissolved in a little warm water. Add spices and the fruit and bake in a slow oven. Keep in a covered jar several weeks before using.

Honey Popcorn Balls.

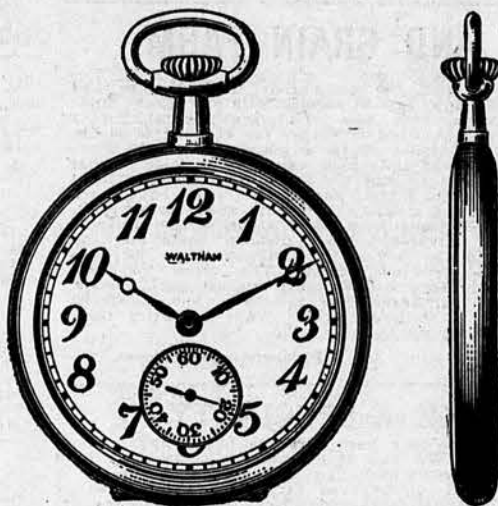
Take 1 pint extracted honey, put it into an iron frying pan boil until very thick. Then stir in freshly popped corn and when cool mold into balls.

Honey Cookies.

3 teaspoonful soda, dissolved in two cups warm honey, 1 cup shortening, containing salt, 2 teaspoonful ginger, 1 cup hot water, flour sufficient to roll.

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Do not buy a watch of a mail order house.

Jewelers are specialists who know how to regulate watches to your habit and occupation, how to oil them properly, how to detect any little disarrangement that may have occurred in transportation. A responsible jeweler who values his reputation will guarantee a Waltham Watch, and behind the jeweler's guarantee is that of the Waltham Watch Company.

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Study carefully the illustration below. Note that in the "Perfection" there are no confusing levers, chains, trips, gewgaws or contraptions of any kind. You don't have to be an engineer or an acrobat to run it. It's as simple as ABC—and is as effective and easy to work as it is simple.

On the "Perfection" the seat does not go down as the gangs come up, so there is never any danger of knocking your teeth out with your knees from the seat "see-sawing" up and down, as it does on other leverless cultivators. Our simple method of balancing is

what makes it possible to use the "Perfection" as a walking cultivator at will. Simply turn forward the seat when you want to walk.

The perfect balance of the "Perfection" with the seat steady makes it "easy as loafing" to jump the stray hills and duck in and out from the row, cutting out every weed. Just a touch of the handles swings the shovels where you want them. The stirrups for the feet enable you to work as deep or as shallow as you please. Every farmer who has tried this cultivator says: "It's the best and handiest cultivator ever made." The

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is provided with pendant hitch—draft applied direct to arm of beam couplings, and shovels will always penetrate to an even depth, even in the hardest soil. Axles are equipped with dust proof boxes, and telescope to give varying widths of tread. Almost any style cultivator rigs can be furnished. Simply say what you want and you can have it. The leading dealer in each locality is our agent.

Be sure to see the "Perfection" at your dealer's next time you are in town. Or send for catalog and nearest dealer's name. Own a cultivator that makes the day's work lighter. A cultivator that is not only "Perfection" in name, but that works to perfection!

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Kansas City, Mo.



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If you are a bee-keeper or are thinking of going into the bee business you ought to have our beautiful illustrated New Bee Book—just off the press. It's a complete guide to profitable bee culture. Tells you how to buy bees, what kind are best, where to locate the hives, how to care for them summer and winter, how to prepare the honey for market—in fact it tells you all you need to know to make bees highly profitable as a business or a side-line.

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H. O. Adams Mfg. Co., Algona, Ia.

Deny Shortage of Beef Cattle.
Murdo MacKenzie of Trinidad, Col., vice-president of the National Live Stock Association, and manager of the Matador Land and Cattle Co., denies that there is any danger of a shortage of beef in the United States. In an address before the association at Denver he declared that as long as \$200,000,000 worth of beef is exported from America each year there is no danger of a shortage.

"The price of beef in Chicago is regulated by the price received for our surplus cattle shipped abroad," said Mr. MacKenzie. "The now that present prices are putting beef beyond the reach of the poor man is unwarranted. It is true that if the consumer demands the choice cuts he must pay for them, but good beef is within the reach of all. Had it not been for the increase in value of their lands, cattlemen could not have continued in the business at prices that have prevailed in the past. At present prices stockmen are just beginning to realize a fair return on their investment. What we would advocate is better cattle, nor more of them."

Live Stock Facts.

The statistical department of the Department of Agriculture gives the following facts and figures for 1909 as compared with those for 1908. The figures show that horses have increased in numbers 1.9 per cent, mules 1.7 per cent, milch cows 0.4 per cent and sheep 2 per cent. All the other hand cattle other than milch cows have decreased in numbers by 4.3 per cent and swine 11.8 per cent.

Compared with Jan. 1, 1909, the following changes are indicated: Horses have increased 400,000; mules increased 70,000; milch cows increased 81,000; other cattle decreased 2,100,000; sheep increased 1,132,000; swine decreased 6,365,000.

In average value per head, horses increased \$12.55; mules increased \$12; milch cows increased \$3.43, other cattle increased \$1.92; sheep increased \$0.65; swine increased \$259.

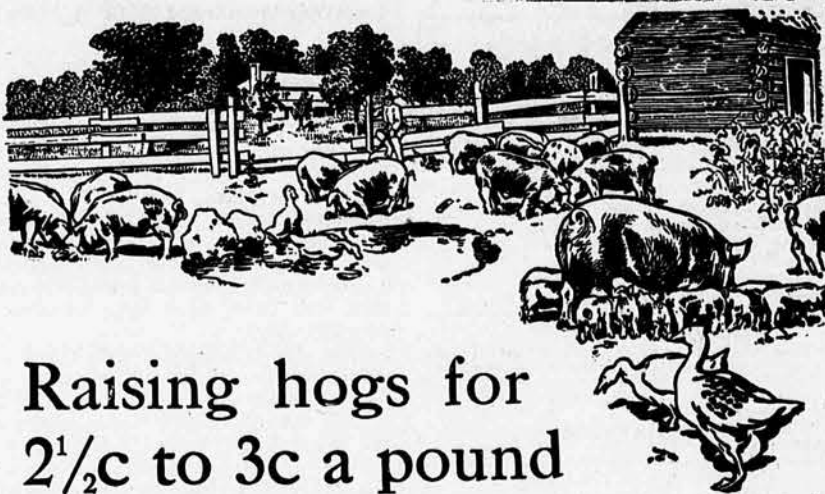
In total value, horses increased \$302,311,000; mules increased \$7,013,000; milch cows increased \$77,363,000; other cattle increased \$53,699,000; sheep increased \$41,032,000; swine increased \$81,809,000.

The total value of all animals enumerated above on Jan. 1, 1910, was \$5,138,486,000 as compared with \$4,525,529,000 on January 1, 1909, an increase of \$613,227,000 or 13.6 per cent.

Value of Alfalfa Stock Feed.

Otto Weiss, of Wichita, Kan., is now conducting an experiment that has aroused a great deal of interest among farmers and live stock commission men in Wichita, Kansas City and Chicago.

The test is to try out the fattening of 100 head of steers on an exclusive diet of his alfalfa stock food, with only prairie hay added. These steers were taken as they came, but all well framed animals and all three and four years old. They have been on this exclusive feed now for nearly 100 days, and they will be continued on the same diet for about 30 days more. One expert who came to Wichita from Kansas City on purpose to inspect the process and results, declares the steers are putting on three pounds per day each. If this is so, at the end of the experiment they will have gained approximately 400 pounds each. This test has never before been conducted on so large a scale. The same prepared food has been tested on sheep and hogs, and a few single steers have also been tried out in a desultory haphazard unsatisfactory manner. But for a whole herd of 100 animals to be fed on an exclusive diet has hitherto been unheard of. Mr. Weiss said yesterday that he very much wished to market the cattle as beeves at the Wichita market, when they are finished and prime fat. But as other large stock yards firms from abroad are already bidding on them, he is not sure as yet who will get them. The cost of maintaining this experiment is the original cost of the steers, and the cost of the stock food, will be in the neighborhood of \$12,000. Mr. Weiss says dolefully, but hopefully, too, that if all these meat boycotts should prove effective, he may lose a lot of money on the cattle when sold. But that is not important, as primarily the whole scheme was not a money making investment, but to determine by scientific and carefully recorded tests just what this fat producing food will actually do when systematically and exclusively fed.



Raising hogs for 2½c to 3c a pound

Hogs can be grown in the Ozarks to weigh 300 pounds without ever having had three bushels of corn—the cost will not exceed 2½c to 3c a pound.

Such results as this can easily be accomplished on a small dairy and stock farm in the Ozarks.

It is all a matter of proper feeding. A hog should have a complete ration. First provide an abundant pasture of grasses, clovers, rape, sorghum peas, peanuts and soja beans. These grow abundantly in the Ozarks. When the hog is well grown on these, prepare a balanced ration of ground rye, barley, soja beans, cow peas, adding, during the last few weeks, a little corn to harden the lard and flesh. Pour the warm skimmed milk from the cream separator over this balanced ration, and feed to the pigs in a clean trough, for a few weeks, and they will become great profitable hogs. Keep the hogs clean and do not let them sleep in old straw stacks or pile up together.

Give them pure water, which is plentiful in the Ozarks, and they

will pay you well for your trouble. Do not depend too much on corn for hog feed—it is the highest priced feed on the farm, when relied on entirely. One acre of corn will sometimes produce as little as 150 pounds of pork, whereas the same land, if planted in peanuts, will produce 1200 pounds of pork. Besides, corn takes nitrogen from the soil, while peanuts will put in from \$2.00 to \$5.00 worth of nitrogen, per acre. Furthermore, corn must be harvested and shucked, while the hogs themselves harvest the peanuts.

Plant peanuts, provide movable fences and let the hogs gather the crop and enrich the soil. Hog raising is just one feature of intensive farming in the Ozarks. Cows, sheep, mules, poultry and fruit are all very profitable.

A small farm devoted to these pursuits will return a big profit on a small investment of cash and labor.



If you will get a small farm in the Ozarks, set out an orchard of well selected varieties, lay out a vegetable garden and berry patch, stock the farm with poultry, cows, pigs, sheep and mules, grow the feeds and grasses you need for them, you will realize a greater profit than you possibly could make on a big grain farm elsewhere.

Furthermore you would live in a beautiful country, in healthful surroundings, free from malaria and away from severe cold and snow. You would be within a few hours of three large markets—St. Louis, Kansas City and Memphis and would have advantage of good local markets, schools, churches, etc.

It will be worth your while to look farther into this. We have some attractive books full of plain facts about the Ozarks. They will interest you. Write for free copies today.



Alex. Hilton, General Passenger Agent, 1510 Frisco Bldg., St. Louis.

SEED CORN 153 BU. ACRE

Diamond Joe's Big White—A strictly new variety. None like it. It is the Earliest and Best Big White Corn in the World—Because it was bred for most Big Bushels, not fancy show points; because grown from thoroughlybred inherited stock; every stalk bears one or more good ears, because scientifically handled, thoroughly dried and properly cured and had the most rigid examination. Big Seed Catalog FREE. It tells about all best farm, grass, garden and flower seeds grown. Write for it today.

Address, **RATEKIN'S SEED HOUSE, Shenandoah, Iowa.**

DRYBREAD AND BAKER DUROC JERSEY BRED SOW SALE AT ELK CITY, KANSAS, MARCH 16, 1910

60 head of choice sows and gilts, best strains of breeding, representing the blood lines of Ohio Chief, Buddy K IV, Red Wonder, Proud Advance, Kant Be Beat, Col. S. Hanley, King of Cols., Oom Paul 2nd, Inventor, Tip Top Notcher, Ingomar, King Wonder V., and bred to the following high class boars: Buddy K IV, Belle Chief by Ohio Chief, Crimson Prince, Hanley's Wonder by Red Wonder, Beat Me if You Can by Can't Be Beat, Red Advance by Red Wonder. We believe we have one of the best bred offerings that will be sold this year. Send for catalog to either party, and come to our sale.

SAM DRYBREAD, J. J. BAKER, ELK CITY, KAN.

Kansas Farmer Ads Bring Results.

KANSAS LAND

FREE—New list Harvey, Marion, Butler, Chase county corn, wheat, alfalfa and ranch lands. Send your name today. **MIDDLE-WEST LAND CO., Peabody, Kan.**

FOR SALE.

300 of the best farms in northeast Kansas. We also make a specialty of selling Woodston Co. lands; have many bargains. Write for price list to

MANVILLE & BAILEY

Holton, Jackson Co., Kansas.

HARPER COUNTY.

Home of corn, alfalfa and wheat. Lands \$25 to \$75 per acre, that would be cheap at twice the money. Values advancing rapidly. Now is the time to buy. Descriptions and full information free.

HEACOCK REALTY CO.

Anthony, Kansas.

NESS COUNTY LAND.

\$4,000 will buy a quarter section of fine smooth land, 1/4 mile from center of Ness City, all fenced and in cultivation. Fifty acres in wheat. Other good corn, alfalfa and wheat land at \$15 to \$35 per acre. Write for information.

J. C. Lohnes & Son, Ness City, Kan.

HELLO, FARMERS!

Have you read my list of GREENWOOD CO. FARMS? The best corn, alfalfa, clover, cattle and hog country in the west. Fine blue stem pastures. Write for list and prices to

F. D. Stoughton, Madison, Kan.

IMPROVED FARMS.

\$35 to \$60. Producing immense crops corn wheat and alfalfa. Nearly every farmer has 10 to 100 acres alfalfa. Fruits of all kinds and vegetables do well. List free.

W. C. ALFORD,

The Pioneer Real Estate Agent, Hasleton, 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, Kan.

BEST FARM IN KANSAS.

560 acres bottom valley land, all smooth, fine, black sandy loam, no waste land, small orchard, 20 acres fine alfalfa land, new 10 room house, hot and cold water, lighted with acetylene gas, bath and toilet, 500-barrel cistern, sewer system, R. F. D., telephone, 5 1/2 miles to two railroad towns. Price \$65 per acre. For further particulars write

Neal A. Pickett, Arkansas City, Kan.

FOR SALE.

I offer a special bargain this week in a half section of smooth land, 1 1/2 miles from Colby, Kansas, the county seat, all broke out and seeded to winter wheat, in good season, all the wheat to go with the land. This wheat crop will go a long way toward paying for the land. Price \$25 per acre. It will pay you to investigate this by writing the owner.

IKE W. CRUMLY,

Colby, Kansas.

WHO WANTS THIS?—240 a., 165 a. in cultivation, of which 135 a. is creek bottom, 70 a. in alfalfa, 10 a. timber, 2 a. orchard, 2 modern houses, one 10 rooms, other 4 rooms; barn to hold 14 head of stock, 15 tons hay, smoke house, granaries, cribs, gas engine, saw and grinder, everything in first class condition, 1/2 mile school, 1 to church, 4 of good town, 10 miles Cottonwood Falls, 13 miles Emporia, R. F. D. and telephone. Write for price and lists, A. J. Klotz & Co., Cottonwood Falls, Kan.

PRICED TOO CHEAP

at \$35.00 per acre, but the owner, who has rented it for a number of years, has moved to Wichita and cannot look after it; 160 acres in Cowley Co., 5 miles from R. R. town, good roads, 1 mile from inland town with church and school; all smooth, level land without a rock or foot of waste; fenced and cross fenced; 80 acres in cultivation, 5 acres hog lot, balance pasture, small orchard, fair improvements, telephone and R. F. D., alfalfa land, 8 to 28 feet to water. If you are looking for a good cheap farm, don't let this get away. \$2,100 will handle.

Sharp Realty Co., Wichita, Kan.

EASTERN KANSAS FARM BARGAINS.

160 acres Dickinson county, near Solomon and Abilene, guaranteed perfectly smooth rich land, 7 room house, barn 28x48, 22 a. wheat, one-third to purchaser, \$12,000; 160 a., 17 miles Topeka, 5 mi. town, 40 a. clover all in cult., good 6-room house, barn 48 by 60, extra fine farm, only \$9,500; 80 a., 11 mi., Topeka, 7 a. in cultivation, no waste land, new 6-room house, small barn, spring water, \$5,800. Write for list stating what you want, as we make specialty of selling farms worth the money.

Wingett Land Co., Stormont Bldg., 100 West 6th, Topeka, Kan. A. J. White, Farm Salesman.

AN IDEAL FARM FOR SALE.

Kansas farm of 300 acres, adjoining a flourishing railroad town, forty miles west of St. Joseph, Mo. The soil naturally rich has been made more fertile by twenty years of judicious crop rotation and by the liberal application of manure; well watered, fine walnut timber, finest blue grass pastures, alfalfa, timothy and clover meadows; finest corn and wheat land; well fenced; hay cattle and horse barn for a large amount of live stock; large silo, water tanks, granary, fine mill, etc. A model stock or grain farm, ready for use. An excellent opportunity. For complete information address K. 225, care Kansas Farmer, Topeka, Kan.

ARE YOU LOOKING FOR A HOME?

No farmer should think of buying a home before seeing a copy of THE FARM AND REAL ESTATE JOURNAL. It contains the largest list of farm lands, city property and stacks of goods of any paper published west of Chicago. It reaches 50,000 readers each issue, 85 per cent of whom are farmers. Every one who has any property they wish to advertise will find this journal one of the best advertising mediums published. Advertising rates 2c per word each insertion. Send 75c and we will mail you the Journal for one year, or for 10c in silver or stamps we will send it for two months on trial and stop it at the end of the two months unless you renew your subscription. Farm and Real Estate Journal, Tracer, Ia.

Two-Way-Moldboard Plow is Here To Stay.

The two-way plow is one of the most recent additions to improved farm machinery, and there is no question but that it has come to stay. The side hill, or reversible, plow has been in use some time. It has done good work in its place, but it is not a plow for level land. From the time the early side-hill plow was first produced, until the present time, there has been a growing demand for a two-way plow that will turn level land as well as side-hill land.

The side-hill type plow has but a single moldboard, which is reversible; that is, when one side is up, the furrow is turned to the right, and when the other side is up, it is turned to the left. With a plow of this kind the operator is able to begin plowing at the lower side and across a slope and turn all furrows down the slope aiding in the turning of the land. The type of moldboard necessarily used on the side-hill plow is not of the proper shape for turning level land.

The reversible disc plow has been on the market for some time, and with this one disc does the work in either direction. In turning the team around at the end of the angle the disc is turned so as to make a right hand plow out of it in going one way and a left hand plow out of it in going the other way. This type of plow makes it possible to begin plowing on one side of the field, finishing all the work as it goes, and keeping all the plowed land in one body.

At the present time there are several companies manufacturing what is known as the two-way plow, which is of the moldboard type. It is of double plow construction, carrying a right hand and a left hand plow on the same farm, only one of which can be used at once. With this plow the farmer begins on one side of the field, using one plow in going across it, and the other plow in returning. One horse walks in the furrow in going one way and the other one walks in coming back.

The advantages of the two-way plow are as follows:

1. The land is practically as level after plowing as it was before. There are no dead furrows or sack furrows in the entire field. This is especially important in connection with the plowing of irrigated land, as it saves a great deal of labor and expense, which is usually required in leveling the ridges and filling the back furrows.
2. The operator begins plowing on one side of the field and finishes as he goes, thus keeping all plowed land in one body. This makes harrowing easier.
3. It is easier on the horses. One horse does not have to follow the furrows all the time. There is no extra traveling across the ends.
4. The horses do not turn on the plowed ground.
5. There is no chance for poor crops to be raised in and along dead furrows.
6. The two-way plow can be used as a complete one-way plow if desired.

Some of the two-ways plows are sufficiently adjustable to be used for plowing not only the level land, but also side hills.

Three of these two-way plows have just been successfully tried out on the Colorado Agricultural College Farm.—H. M. Bainer, Colorado Agricultural College, Fort Collins.

Brood Sows Scarce.

Reports from this and other states in the corn belt, and that means the hog producing states, seem to be practically unanimous in their agreement that there will be a scarcity of brood sows for 1910. Unquestionably this is true locally if not generally and the reasons are well understood. This is a condition and not a theory which confronts us but it is an opportunity for the breeder and the farmer. It hardly seems possible to consider serious farming operations without the hog as a very potent and profitable factor and the man who reads the signs of the times might be he who has provided his farm with an ample number of brood sows or who will do so at once. Sales of bred sows of all breeds are now being held all over the country and the prices realized are very reasonable. A small investment in bred sows of your chosen breed is sure to result in big interest in the money, provided they are properly cared for and no accidents occur.

KANSAS LAND

IF YOU WANT

The right land, at the right price, in the right place, from the right man, write right now to

H. D. HUGHES,

McDONALD, KAN.

WRITE FOR FREE 61 page list of corn, wheat and alfalfa farms and colored state map. Write today. Brinye, Pautz & Danford, Abilene, Kan.

CHOICE KANSAS FARMS in Smoky Valley, Saline and McPherson counties, where you can raise alfalfa, corn and wheat with profit. Write for information and list. David Bachman, Lindsborg, Kan.

COWLEY COUNTY FARM.

160 acres, good six room house, about 80 acres bottom, never falling water, 12 acres alfalfa, .60 acres corn, close to school and church. Price \$7,500. Terms if desired. R. A. Gilmer, Arkansas City, Kan.

EASTERN KANSAS BARGAINS.

1. 320 a. well improved, near town, \$45 a. 2.—160 a. good improvements, close in, \$45 a. 3.—160 a., finely improved, \$9,600, 1.152 a., great ranch finely improved, easy payments, \$28 a. Write for list. JOHN TAGGART & SON, White City, Kansas.

BARGAIN.

Hotel, 12 rooms, well located in Winfield, 10,000 population, 2 story brick building, \$2,500, and will furnish a year's lease on it for \$25.00 a month. 80 acres improved, 3 1/2 miles Winfield, \$4,500. New list free. WOOD & SMITH, Winfield, Kan.

LIVE AGENT WANTED

In your locality to assist in selling corn, wheat and alfalfa land. We own thousands of acres in Pawnee and adjoining counties. Write us for a proposition on our own ranches.

Frixell & Ely, Larned, Kan.

RENO COUNTY FARM—330 acres, highly improved, fine new house with gas and water in, sandy loam soil, best kind corn and wheat land; price \$4,000. Other bargains.

W. W. BARRETT, Kansas.

240 ACRES.

80 alfalfa, 60 wheat, 25 winter oats, well fenced, 80 acres woven wire, good 7-room house, stable, windmill, fine water, 4 miles railroad town. Splendid home and money-maker. Price \$13,000.

IKERD & GREEN, Kansas.

160 ACRES.

small improvements, good sandy loam soil, 3 1/2 miles from market 1/4 mile school, telephone, R. F. D. and church facilities. Price \$6,500. Good terms. I have one or two other special bargains.

Ed. Boots, Pres. Isabel State Bank, Isabel, Kansas.

320 ACRES

of good Jewell county land, \$50.00 per acre if sold before April 1. Well improved, all fenced, 125 acres alfalfa, abundance of water and timber, 6 miles from Mankato, the county seat.

Canan & Hill, Mankato, Kan.

240 ACRES VALLEY LAND.

Good improvements, near school, 4 miles town, several acres orchard, fine grove forest trees, water at 12 to 30 feet, \$30 per acre. Good terms. Big list and booklet free. PARK H. THORNTON, Coldwater, Kansas.

BARGAIN.

Improved 1/4 section level farm land, 1/4 mi. P. O. and school, 250 a. in cultivation, 100 a. wheat, 1-2 crop goes with place. Price \$30 a.; make very reasonable and long time terms. W. B. GRIMES, Owner, Ashland, Kan.

ALFALFA FARM.

160 acres, 70 alfalfa, 3 miles of Saxman, Rice county, 8 room house, large barn, R. F. D., near school, telephone, complete system of waterworks, splendid improvements, 3 miles woven wire fence. Price \$14,500; terms; write.

NODURFT & TORREY, Lyons, Kan.

INVESTORS.

480 acres, guaranteed, good, dark, corn, wheat and alfalfa land, 1 1/2 miles from good railroad market, 1/4 mile to school, telephone, rural delivery. Plat and detailed information free. Only \$23,000.

C. A. Babcock, Harper, Kan.

200 ACRES in Marshall County, Kan., three-fourths mile from town, 100 acres in second bottom land, 160 acres in cultivation, balance pasture, 7-room house, cellar, small barn, cattle shed, hog house, orchard, well and windmill. A bargain at \$90 per acre. Good terms.

Sunmerfield Realty Co., Summerfield, Kan.

EASTERN KANSAS FARM BARGAIN. 60 acres adjoining Osage City, 32 acres in cultivation, 22 acres of which is in red clover and timothy, 1 acre orchard, balance blue grass and white clover pasture, 6 room house, barn for 10 head of stock, corn crib, hen house, hog and cattle shed, plenty of good water, close to high school, R. F. D. and telephone, all nice smooth land, and a fine dairy farm. Price \$3,500. For particulars write

Osage City, J. C. RAPP, Kansas.

SOME FARM SNAPS—210 acres, 2 1/2 miles from town, fair improvements, 100 acres wheat, near school, practically all tillable; price \$55 an acre. 160 acres finely improved, good buildings, close to Wichita and one that will advance rapidly; price \$75. 160 acres near Wichita, fair improvements, a real bargain, plenty of alfalfa, on main road, price \$80 an acre. Talk it over with Howard, the Land Man, Room 15, Turner Bldg., Wichita, Kan.

7 FARMS SOLD SINCE FEBRUARY LIST ISSUED.

If you have one of our Feb. lists mark off Nos. 52, 64, 90, 91, 101, 106, as they have been sold since the list was issued. We have also sold the 160 adv. at \$65, the first man that saw it bought it. Isn't this proof of our values? Some dandies left. If you haven't one of our lists write for it today.

DONAHUE & WALLINGFORD, Mound Valley, Kansas.

KANSAS LAND

FOR FREE INFORMATION about Allen county lands write F. W. Frevert, 51 years a Kansan, Gas City, Kan.

FREE LIST ANDERSON COUNTY, (Eastern Kansas) farms. Send your name today. The Wilson Land Co., Colony, Kan.

WRITE FOR FREE LIST

Coffey county farms. Cheapest land in Kansas for the money. W. H. CLARK, Gridley, Kansas.

FREE LIST

Dickinson county corn, wheat and alfalfa farms. Write today. Baumgarth & LaPort, Abilene, Kan.

FOR FREE INFORMATION about Clark county and large lists of lands at \$20.00 to \$40.00 per acre, write McFarland Realty Co., Ashland, Kan.

MARION, MORRIS AND DICKINSON

county, Kansas, lands. Bargains in improved farms at prices ranging from \$45 to \$80 per acre. Write for big list.

T. C. COOK, Lost Springs, Kan.

FORD AND NESS COUNTY

wheat, corn and alfalfa land, \$15.00 to \$30.00, tracts to suit; liberal terms. Big investment opportunity, great chance for homeseekers. Also Fratt county land. Write for further information.

I. L. Chinn & Co., Coats, Kan.

MONTGOMERY COUNTY LANDS.

Montgomery county is second in population and 5th in wealth in Kansas. Write for list of choice farm bargains and prices.

W. J. Brown & Co., Independence, Kan.

BARGAINS FOR QUICK SALE

in Clay county farms, in well improved 80 and 160 acre tracts, for January and February. Write for my list. "There's a place for Everybody."

George E. Bigler, Clay Center, Kan.

NESS COUNTY, KANSAS, LAND.

Good soil as any in the state at \$10 to \$15 per acre, well improved land \$15 to \$25 per acre. Partly rough at \$6 to \$8 per acre. Come before the new railroad gets here or write

J. G. COLLINS, Ness City, Kan.

EASTERN KANSAS LAND

where corn, wheat, clover and timothy grow to perfection, \$40.00 to \$60.00 acre. This section has never been boomed and has been overlooked. Best "buys" in Kansas. List and descriptive literature free.

F. C. BRACKNEY, Burlingame, Kan.

HUTCHINSON, KANSAS.

160 acres black, splendid corn land, 120 under plow, 40 pasture, fine maple grove, orchard, extra good improvements, all bottom land, 3 miles town, Reno Co. A beautiful farm for \$12,000; terms. Get full description. Smith & Glenn, Over McBurney's.

WHEAT, CORN, ALFALFA AND OATS

produce mammoth crops in Barber Co., Kan., adjoining the famous Alfalfa county, Oklahoma. I have many good farms on ranches for sale at less than their actual value. Write for full information.

J. M. MILLER, Kiowa, Kan.

MARION COUNTY RANCH.

1,800 acres, 4 miles railroad town, 600 corn and alfalfa bottom land, balance fine pasture, splendid modern improvements, watered. Unquestionably a bargain at \$75,000. Liberal terms. Other bargains.

FULKERSON & BURCHFIELD, Florence, Kansas.

SHARON COUNTY ALFALFA LANDS.

Choice corn and alfalfa farms for sale in Barber county, Kansas. Crop failure unknown. Write for particulars and list. Address

WILLIAM PALMER, Kansas.

GREENWOOD COUNTY STOCK FARM.

Nicely improved 480 acres, 180 under plow, 225 slightly rolling pasture, balance nice level meadow. Price \$15,000. Will carry \$3,000 at 6 per cent. Send for free list and descriptive literature.

STAR REAL ESTATE AGENCY, Gridley, Kansas.

ACT QUICK.

Owner wants to sell great combination farm. Good buildings, rich bottom, well set pastures, splendid shade, unfalling water, springs, good timber, lots, alfalfa, six miles Winfield, telephone, R. F. D., everything you want. Price \$40 per acre.

Franks, Page & Harris, Winfield, Kan.

For Prices

On Greenwood land write G. E. Jackson Land Co., Eureka, Kan.

BUTLER COUNTY, KAN.

Do you want to buy a farm? Send for our list of farms for sale in the best county in state. Make early selections before prices go higher.

WHITEWATER LAND & LOAN CO., Whitewater, Kansas.

LANE COUNTY KANSAS

Offers bargains in wheat and alfalfa ranches at \$10 to \$20 per acre. Write for my price list and investigate at once.

WARREN V. YOUNG, Dighton, Kansas.

RENO COUNTY FARM

160 a. 4 1/4 mi. from Langdon, good bldgs., 120 a. cult., 40 a. pasture, best soil. Price \$8,800; terms.

80 a. 4 mi. from Hutchinson, 80 a. cult., no bldgs., black sandy loam soil. Snap at \$6,000. Terms. Other farms.

OHAN, N. PAYNE, Hutchinson, Kan.

OKLAHOMA LAND

FOR FREE INFORMATION about Beckham county, Okla. land at \$3,000 to \$6,000 a quarter, write to or call on **E. A. HOLMES, Real Estate, Erick, Okla.**

WASHITA VALLEY LANDS.
From \$10 to \$60 per acre offer great opportunities for investment. They are well located near railroads, towns, churches and schools. Write for further information.
JOSEPH F. LOCKE LAND & LOAN CO., Wynnewood, Oklahoma.

CORN AND ALFALFA LANDS.
In Canadian county, the cream of Oklahoma; a place where good crops and prosperity reign supreme. Write today for prices and information.
NEW STATE REALTY CO., Oklahoma.

El Reno, Oklahoma.

BECKHAM COUNTY, OKLA.
160 acres, 3 miles Doxey, railroad town, house, barn, 100 in cultivation, 700 peach and apple trees four years old, 140 tillable, \$2,000. Terms. Other farms. Will sell at extremely reasonable prices.
SECURITY INV. CO., Oklahoma.

Mangum, Oklahoma.

FINE ALFALFA FARM.
480 acres, rich, alluvial valley soil, 260 under plow, 25 alfalfa, fair improvements, living water, good well, 7 miles railroad, \$35.00 per acre. Terms. Many other snaps.
W. C. ATKINSON, Oklahoma.

Gotebo, Oklahoma.

REAL ESTATE BROKERS.
Mangum, Okla. Lands that produce big crops of cotton, alfalfa, corn, wheat and all other staples at very reasonable prices. Write for free list of bargains.
McMILLAN & LANFORD, Oklahoma.

Mangum, Oklahoma.

ALFALFA RANCH, KIOWA COUNTY.
160 acres, dark loam, valley land, sub-irrigated, 10 ft. to water, 2 miles good town; all tillable, 130 cultivation, 25 alfalfa, fenced, well, good buildings, clear. Price \$8,250; \$1,250 cash, balance easy terms. Other farms.
H. H. ANDERSON, Oklahoma.

Gotebo, Oklahoma.

IMPROVED FARMS.

180 acres, 140 in cultivation, good 9 room house, barn 45x65, tool shed and granary, 40x40, orchard, telephone, R. F. D., near school 4 miles of county seat, price \$9,000. Write.
J. T. RAGAN, Oklahoma.

Vinita, Oklahoma.

McLEAN COUNTY

Timber and prairie lands, \$10 to \$50 acre, mostly on good terms. Lands have never been boomed; will undoubtedly double in value soon. For a good investment or speculation write us.
BYARS REAL ESTATE CO., Oklahoma.

Byars, Oklahoma.

OKLAHOMA LAND.

Where corn, wheat, alfalfa and cotton are making the farmers rich. We specialize on Oklahoma, Cleveland, Logan and Washita counties. Fine alfalfa lands, \$30 and upward. Write for list and printed matter, mailed free. We also lead all in Oklahoma City property.
FARM & HOME INV. CO., Oklahoma City, Okla.

Culbertson Bldg., Oklahoma City, Okla.

OKLAHOMA FOR HEALTH AND WEALTH.

320 acres, 7 miles from Texola, Okla., R. F. D., school 1/4 mile, 200 acres lies nearly level and all tillable, 140 acres under cultivation, 120 acres fine pasture land, supplied with plenty of living water and good grass. Has small house, sheds and out-buildings. Well and windmill. If you want a farm where you can raise good crops and keep a bunch of stock, you should see this one. A farm and ranch combined. \$2,500, on liberal terms. Send for our catalog.
Texas-Oklahoma Realty Co., Texola, Okla.

SNAPS IN GRANT CO., OKLAHOMA.

1/2 section, 2 miles of Medford (county seat), 1-4 deeded and 1-4 school land, 185 a. in cultivation, 110 a. in wheat, 25 a. fine alfalfa, balance pasture, 6 room house, barn 50x60, granary for 3,000 bu., 2 good wells about 20 ft., also mill, 1 mile to school and good high school in town, creek bottom, deep black loose soil, 1/2 all crops in granary and possession next Aug. 1. Price until April 1, 1910, \$11,500.
BATTEN REALTY CO., Oklahoma.

Medford, Oklahoma.

560 ACRES of bottom land, 6 miles from Cold Springs and 10 miles from Roosevelt, both railroad towns in Kiowa, Okla., 160 acres in alfalfa, all under fence, most of it hog fence, good improvements, living water, very best of corn and alfalfa land. Price \$32,500. Write for free list of lands in Oklahoma.
JENKINS & MAJOR REAL ESTATE CO., Chickasha, Oklahoma.

Chickasha, Oklahoma.

FINE SECOND BOTTOM FARM

360 acres fine second bottom, practically all in cultivation; 3 miles from railroad town; three sets of buildings, telephone, rural mail; school in one corner; this land will raise 75 bushels of corn or a bale of cotton to the acre. Price \$55 per acre; terms on part.
R. B. BEARD, Muskogee, Okla.

First State Bank, Muskogee, Okla.

NORTHERN OKLAHOMA

Write to the undersigned for new state map and descriptive circular and price list. Improved farms from \$35.00 to \$50.00 per acre.
J. H. FUSS & CO., Medford, Okla.

Medford, Okla.

"HOUGH SELLS THE EARTH."

In Caddo county, fertile, rich, cheap. Send 10 cents in stamps for handsome colored county map of Oklahoma, circulars and list. Letters answered in German or English.
W. R. HOUGH, Apache, Okla.

ALFALFA, CORN, WHEAT.

and broom-corn are making our farmers rich. Lands can still be bought for \$20.00 to \$35.00 per acre; worth double the money. Write for prices and descriptions, stating what you want.
GRANT INVESTMENT CO., Oklahoma.

Thomas, Oklahoma.

FIELD NOTES

FIELD MEN.

O. W. Devine, Topeka, Kan.
Jesse R. Johnson, Clay Center, Kan.
J. W. Johnson, Beloit, Kan.

PURE BRED STOCK SALES.

Percherons.
March 9—At Lincoln Neb., O. P. Hender-shot, Hebron, Neb.

Shorthorns.
June 10—C. S. Nevius, Chiles, Kan.

Poland Chinas.
March 9—D. A. Wolfersperger, Lindsay, Kan.
March 10—C. W. Dingman, Clay Center, Kan.
March 17—M. O. Stewart, Leonardville, Kan.

Duroc Jerseys.
May 17—Roy Johnston, South Mound, Kan.
Oct. 20—Roy Johnston, South Mound, Kan.

Duroc Drybreds.
March 16—Samuel Drybread and J. J. Baker, Elk City, Kan.
March 22—S. W. Alfred & Son, Sharon, Kan., sale at Enid, Okla.

A Carload of Shorthorn Cows.

In this issue will be found the ad of D. H. Forbes & Son, who offer a carload of richly bred Shorthorn cows and heifers. All are in fine condition and are bred to drop calves early in the spring. Write Mr. Forbes for description and prices. Kindly mention the Kansas Farmer when you write.

Bred Sows and Gilts for Sale.

In this issue of Kansas Farmer will be found the ad of T. W. Roberts, at Larned, Kan. Mr. Roberts is offering a few choice bred gilts for sale. A few of these are bred to Meddler Chief and a number are sired by King Darkness. These are all richly bred and choice individuals. Write Mr. Roberts for prices and description. Kindly mention the Kansas Farmer when you write.

Col. Dorcey Makes Good.

With this issue Col. Thomas Dorcey, of Offerle, Kan., starts an auctioneer card. Col. Dorcey has had 13 years of successful experience selling farm and live stock. He is a large, husky fellow that has an unlimited supply of energy. His knowledge of live stock values make him a valuable auctioneer to employ both for farm and live stock sales. Write for dates and kindly mention the Kansas Farmer when you write.

A Great Berkshire Sale.

A. J. Lovejoy, of Roscoe, Ill., who is one of the most prominent breeders of Berkshire hogs in the United States and a member of the State Board of Agriculture, came over to Topeka the other day and appropriated some of David G. Page's Berkshire hogs. The report is to the effect that he paid \$100 a head for seven of the animals which indicates that Mr. Page has pretty good Berkshires and that Mr. Lovejoy appreciates a good thing when he sees it.

WILLIAM GODBY,
Live Stock Auctioneer, Arkansas City, Kan.

C. L. Carter Moves to Maple Lawn Farm.
C. L. Carter, formerly of Cabool, Mo., and secretary of the Duroc Jersey Breeders' Association of Missouri, and a breeder with quite a wide reputation, is now located at Albany, Mo., and has moved to the new home of the Durocs and Shorthorns he was growing in the Ozarks. Mr. and Mrs. Carter, who form the new company, are preparing to make Maple Lawn the home of the big, smooth Duroc and high-class Shorthorns, Scotch and Scotch-topped. Mrs. Carter, formerly Mrs. Annie Gregory, had a nice foundation herd of Durocs and the beautiful Maple Lawn farm. Mr. Carter brought his best bred sows, the great herd boar, Colonel Carter, his small select herd of Scotch and Scotch-topped Shorthorns, and his genial personality to Maple Lawn and from now on will be found looking after the interests of Maple Lawn Farm. It is Mr. and Mrs. Carter's intention to make Maple Lawn Durocs famous for their scale and quality. They will raise only such stock as will make the better farmers of the corn belt feel that they are working for the best interests of the pork and beef producers of the corn belt. At present Mr. Carter has only a few fall boars for sale. Later on we shall have more to say of Maple Lawn and its herds. In the meantime, if you want a choice young boar, write Mr. Carter and kindly mention the Kansas Farmer.

ED BAKER, Owner, Watonga, Okla.

CADDO COUNTY, OKLAHOMA.
corn, wheat, cotton and alfalfa lands, \$20.00 to \$75.00 per acre according to improvements and distance from town. Lands are advancing rapidly. Now is the time to buy. Write for full information.
J. ELZIA JOHNSON, Hinton, Okla.

CORN, WHEAT AND ALFALFA LAND
in the great new state of Oklahoma. In Cimarron Valley, where all kinds of crops do well; fine stock country, where the hog and alfalfa grow to perfection; land is yet cheap, but advancing very fast. For full description write.
J. M. CASPAR, Okeene, Okla.

BARGAINS.
Chicken and garden farm, 2 1/2 acres, new five room house, new barn and yards, close in Enid property; \$3,000, easy terms.
Large seven room house, new, modern, close to school, best residence part of Enid, Okla., \$3,900, terms.
TEXAS & OKLAHOMA LAND CO., Enid, Oklahoma.

WHEAT, OATS, ALFALFA, COTTON.
Good lands \$30 to \$60, produce big interest on capital invested. Well located, near thriving and growing city. Prices and descriptions free. Correspondence answered in either German or English.
LONE WOLF REAL ESTATE & INVESTMENT CO., Oklahoma.

Lone Wolf, Oklahoma.

MAJOR CO., OKLA., FARMS.
505, 160-acre farm in the northern part of Major county, Okla., 100 acres in cultivation, all under fence, family orchard of about 2 acres, 3 room frame house, good well with windmill and pump, stable for 6 head of horses, granary, cow shed, hen house and milk house, on free rural delivery. Price \$4,000.
Will J. Graves, Fairview, Okla.

TWO EXCEPTIONAL BARGAINS.
500 acres fine second bottom, above overflow, 3 mi. Wagoner, 175 acres cultivation, 25 acres good timber, balance good grass, all tillable and smooth, at \$35.00 per acre. Adjoins land sold at \$42.50.
160, 3 1/2 S. W. Wagoner, good new 5-room house, fair barn, nice young orchard, 80 acres cultivation, balance good hay meadow at \$35 per acre. Write for information.
W. H. LAWRENCE, Wagoner, Okla.

640 ACRES OF DEEDED LAND; 300 acres of this is first class farming land; 400 acres of Indian land, leased and under cultivation; 3,000 acres of first class grazing land (Indian), leased for term of years; excellent water and good grass; very cheap lease. Good two story house of 8 rooms; water in house; hen house, cave, good grain elevator, scales, corrals and everything in first class shape. Plenty of timber for wood and plenty of shelter for stock, and is an ideal farm and cattle ranch very desirably located; 2 miles to railroad. Steam plows, farming tools, horses and everything in connection with this ranch goes. First Loan & Mortgage Co., Watonga, Okla.

OKLAHOMA LAND

A RARE SNAP.
160 acres adjoining town, all in cultivation, good house, barn, granary, good orchard of all kinds of fruit, fenced and cross fenced. This is one of our best bargains and if you are interested do not delay. (First come, first served.)
HUNTER REALTY COMPANY (Est. 1893), ENID, OKLA.

"WE SELL THE EARTH."
Farmers grow wealthy in a short time in Custer and adjoining counties in Oklahoma growing hogs, corn and alfalfa. Farms at from \$30 to \$50 per a. Write us for land list.
DULANY & RANDOL, Oklahoma.

Major County corn, wheat and alfalfa lands. Lowest prices. Best farms. Information free. **J. Nile Godfrey, Fairview, Okla.**

MAJOR COUNTY, OKLAHOMA.
corn, alfalfa, wheat and broom-corn lands at \$15.00 an acre and up. Great investment opportunities. Great chance for the homeseeker. Write for prices, descriptions and full information.
S. E. COLBY, Oklahoma.

Fairview, Oklahoma.

ALFALFA FARMS
in the famous Washita Valley. We can get you as good land as there is in the United States at from \$40 to \$75 per acre. Come and judge for yourself. You will be convinced when you see our beautiful valley.
THOMPSON & McCONAHEY, Pauls Valley, Oklahoma.

WASHITA VALLEY LANDS.
Good corn and alfalfa farm four miles Pauls Valley, one mile State Industrial School, 170 acres, 150 under cultivation, 150 acres Washita Valley, 6 room house, above overflow. Electric line soon. Price \$10,000.
O. W. JONES, Oklahoma.

Pauls Valley, Oklahoma.

GOOD FARM.
160 acres, 6 miles Tecumseh, 80 in cultivation, good buildings, 6 acre orchard, fine good bearing condition, marketed 1,000 bushels in 1909. Price \$2500; easy terms. Other farms for sale on small payments and long time.
E. J. DICKERSON, Oklahoma.

Tecumseh, Oklahoma.

MISSOURI LAND

FOR SALE OR EXCHANGE: Farms and stocks of merchandise in Kansas, Missouri and Oklahoma. Write me. **FRANK SEELY, 402, Ridge Building, Kansas City, Mo.**

SALE OR EXCHANGE: Texas, Missouri, Kansas, Oklahoma farms, stocks, merchandise, for good propositions. Cash considered. **Western Land Exchange, 404-5 Ridge Building, Kansas City, Mo.**

FOR EXCHANGE OR SALE: Kansas, Missouri, Oklahoma, Texas farms, city property, stocks merchandise for other good propositions. **McNeal, 214-15 Finance Bldg., Kansas City, Mo.**

920 ACRES PASTURE LAND
Elk county, Kansas, under good wire fence; five miles railroad station, \$20.00 acre. Incumbrance \$5,600. Want merchandise in country town for equity. Other exchanges.
B. F. Carter, 1216 Commerce Bldg., Kansas City, Mo.

100 ACRES
9 miles from Carthage, 2 1/2 miles from Reeds, 1-4 mile to school, R. F. D., on gravel road, orchard and well of fine water, all in cultivation, fair improvements. Price \$55 per acre. For particulars write
A. C. STEMMONS, Missouri.

Carthage, Missouri.

STOCK FARM SPECIAL.
350 acres, 1/2 mile from station, 50 acres in cultivation, 310 acres pasture, 3 good springs, plenty of good timber, good house and barn, good well, R. F. D., telephone. A fine stock farm. Price \$20.00 per acre, half cash, balance to suit purchaser. Call or write
AURORA REALTY & INVESTMENT CO., Aurora, Missouri.

KANSAS FARM BARGAIN.
160 acres nice, smooth land, 2 1/2 miles city limits of Parsons, Labette county, 5 room house, good barn, 6 acre family orchard, 8 fenced hog tight, 50 prairie meadows, 20 blue grass and blue stem pasture, balance in cultivation, R. F. D. and telephone line; \$50 per acre. Good terms. Also 320 acre stock and gram farm, Linn Co., \$25.00 per acre; easy terms. Other Missouri and Kansas farms.
THE STANDARD LAND CO., Room 4, Rickseker Bldg., Kansas City, Mo.

SOUTHERN MISSOURI BARGAIN.
11,000 acres, Shannon county, 4 miles railroad, abundance red oak, white oak and black oak timber; small timber suitable for barrel staves; near stave factory. About 50 per cent tillable, 90 per cent good grass land. Timber on it should pay for land. Finely watered by spring now on account of the heavy growth of blue-stem prairie grass in the open timber. Price \$5.00 an acre. Good terms.
J. H. LIPSCOMB, Kansas City, Mo.

302 Fidelity Trust, Kansas City, Mo.

Fine Chance to Get Fine Farm.

I own 327 acres in the great agricultural belt in Garfield Co., Okla., the great corn, wheat, oats and alfalfa country, with reasonable improvements. Price only \$16,000 and clear, 30 acres of fine wheat to go with farm. I will take a small farm as part pay, some cash and make easy terms on balance.
H. CLAY BOWSER, Kansas City, Mo.

MISSOURI FARMS.

Why not come to Cass county, Mo., where the blue grass, white clover, red clover and timothy grows in abundance. I have a few good farms for sale only a few miles from Harrisonville, the county seat, one of the very best towns in the state, of two thousand population. We are only forty-five miles due south of Kansas City.
CLARENCE F. GILBERT, Harrisonville, Cass Co., Missouri.

Harrisonville, Cass Co., Missouri.

OKLAHOMA LAND

FOR FREE INFORMATION about Garfield Co. lands **McCarty & Plumley, Enid, Okla.**

IF YOU have money to loan on good farm and city security, write **John Hankins, Chickasha, Okla.**

FREE—interesting folder describing Alfalfa county, best in Oklahoma. **C. Bradley Sons & Co., Cherokee, Okla.**

Alfalfa County Farms for sale at less than their actual producing value. Write **Hood & McFadden, Cherokee, Okla.**

WRITE FOR FREE LIST of Caddo county farms and descriptive literature. Many big bargains. **E. C. SCHLITT, Anadarko, Okla.**

FREE INFORMATION about Oklahoma. **Homer H. Wilson, Here since 1893, Enid, Okla.**

FOR FREE INFORMATION about Lawton and Comanche county lands, \$20 to \$75 per acre, write to or call on **BROWN & POWERS, Lawton, Okla.**

CADDO CO. FARMS.
Best in Oklahoma for homes or investment. Your address on postal card will bring descriptive list and literature.
BALDWIN & GIBBS CO., Anadarko, Oklahoma.

OKLAHOMA FARMS.
Best county for corn, wheat, oats, alfalfa and tame grass. 80 acres \$3,500, 160 acres fair improvements, \$4,000. Write for list of bargains.
VOGELE & WOOD, Newkirk, Okla.

A CUSTER COUNTY BARGAIN.
160 acres, 2 miles R. R. station, 80 in cultivation, 65 fenced in pasture, fine water, four-room house. Price \$2,800; easy terms. Many other bargains. New list free.
HUGHES & SORTER, Custer City, Oklahoma.

CORN, OATS, WHEAT
and alfalfa and all staple crops grow to perfection here in the garden of Oklahoma. Prices reasonable. Write for list and descriptive literature.
C. E. POCHEL, Oklahoma.

NEWKIRK, Oklahoma.

EASTERN OKLAHOMA.
Improved farm, 160 acres, good, new house. Half section of unimproved land, very fine. Several other good bargains. Write me if you want to know about Eastern Oklahoma. **T. C. BOWLING, Owner, Pryor Creek, Okla.**

BLAINE COUNTY OKLAHOMA.
320 acres, level, all tillable, all alfalfa land, house, barn, granary, orchard, fenced, 5 miles from 3 railroad towns, 1-3 200 acres growing wheat goes; \$12,800. Easy terms. Own other farms.
ED BAKER, Owner, Watonga, Okla.

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FOR EXCHANGE OR SALE: Kansas, Missouri, Oklahoma, Texas farms, city property, stocks merchandise for other good

TEXAS LAND

TEXAS LAND

A PARADISE RECLAIMED

15,000 Acres Actually Irrigated in the BEAUTIFUL PECOS RIVER VALLEY OF TEXAS. Deep, rich soil. Abundance of water. Delightful climate. Right on Santa Fe. Railroad station in center of tract. DAM, RESERVOIR, CANALS, ALL COMPLETE NOW. Free water with every acre. Selling fast. Act quick if you want an actually irrigated farm cheap...

GOOD RANCH. 3,368 acre ranch improved, \$5.00 acre. Robertson Co., 7 miles county seat. Adjoining land couldn't be had for twice our price. Would sell part or all. All fine grass and much first class farm land. Detailed description and plat free.

C. A. BABCOCK, Kansas. Harper, Oklahoma.

NEAR OKLAHOMA. Seven sections, Wheeler county, Texas—practically all tillable, raises big crops, corn, wheat, kafir, milo, maize, broom corn, melons and all staples. Good crops here last year. Goes in section lots; extremely reasonable prices.

CAINE & BINKLEY, Cotton Dealers and Owners, Oklahoma City, Oklahoma.

COLORADO LAND

Dalhart Texas is where we are located and we have some land bargains for the buyer. Write for our free, handsomely illustrated book or come to Dalhart and let us show you a country without a fault.

J. N. JOHNSON LAND COMPANY, Dalhart, Texas.

Texas Tracts--Snaps.

10,000 acres at Shepherd, San Jacinto Co., 50 miles N. E. Houston, \$8.50 per acre. 8,000 acres Liberty Co., between Houston and Beaumont, on main line Frisco R. R., at town site of Hardin, \$15.00 per acre. 640 acres, all prairie, 15 miles north Houston, 6 of Aldine, \$25.00 per acre. ROSE & SON, 5 Sherman East, Hutchinson, Kan.

COLORADO LAND

CALL OF THE WEST

Why do you rent? Why give the best years of your life working for others? Own your own farm—you can do it on payments less than the rents you are now giving. BE INDEPENDENT—DO IT NOW. We have plenty of choice, smooth, fertile lands, such as are now producing from 25 to 45 bushels of wheat per acre and yield abundantly of corn, alfalfa, oats, potatoes and other crops. We can sell you at from \$10 to \$25 per acre on good terms.

THE BEST OF NORTHWESTERN COLORADO. Act now and get the benefit of the rapid rise in values. Some good homestead lands subject to filing.

THE WESTERN LAND CO., STERLING, COLORADO.

Kiowa County, Colo., Land.

12,000 acres of choice wheat land offered in quarters and half sections. On line of Mo. Pac. R. R., close to three good towns. Prices range from \$5.00 per acre upward. Write for terms and descriptions.

ALBERT E. KING, McPherson, Kansas.

DO YOU WANT A HOME? Buy now in Washington county, Colo., where choice land, with best of soil, can be had; where good farmers raise from 20 to 45 bu. wheat per acre and oats, barley, corn, speltz, potatoes and alfalfa grow abundantly on upland, without irrigation; in a county rapidly settling and being improved by good thrifty farmers. We have many tracts of choice, smooth, fertile farm land, healthful climate, and abundance of good water, at prices ranging from \$5 to \$15 per acre. If you are looking for good investments write or see Vanderhoof & McDonald, Otis, Colo.

\$1 MAKES ANOTHER -- WHERE

In the South Platte Valley, Morgan county, Colo. Money invested in land here will double itself in 3 years. Write for full particulars to E. E. SEAMAN, Brush, Colorado.

KANSAS LAND

160 ACRE SNAP. One-half in cultivation, bal. pasture, fenced, has small 2 room house, good frame barn, granary and chicken house, well, a steel wind mill, lots of good water, tank, etc. Price \$2,800; \$1,800 cash, balance time. Dirt cheap. Level land. Send for our land list. Kirberg & Miller, Ness City, Kan.

BARGAINS NEAR EMPORIA. 400 acres, 13 miles Emporia, good upland, 2 sets improvements, \$35. 480 near Emporia, fair set improvements, \$50. Good 80 near school, \$75. 320 good upland, well improved and located, \$40. These are genuine bargains and we have sold 14,000 acres this season. Our prices talk. See or write us at once. H. L. DWELLE & CO., 6th and Commercial, Emporia, Kan.

EAST KANSAS FARM BARGAINS. 90 acres Franklin Co., Kan., 65 a. in cultivation, 25 a. native grass, 2 a. orchard, new 7 room house, barn for 4 horses, other outbuildings, 8 mi. to Ottawa, R. F. D. Enc. \$2,000. Price \$50 per acre. 84 a. Franklin Co., Kan., 59 a. in cultivation, 25 a. native grass, 3 room house, stable for 4 horses, other outbuildings, 3 mi. to Ottawa, R. F. D. Enc. \$2,200. Price \$61.50. For full particulars write Mansfield Land Co., Ottawa, Kan.

A Good 160-Acre Farm. Two miles from a good town in Ness county; house, barn, well, grove, one-half mile from school, farm well fenced; price \$20 per acre, on reasonable terms. Write PORTER YOUNG, Owner, Great Bend, Kan.

R. A. Gliner, of Arkansas City, Kan., can sell you a 284 acre Cowley County farm that would be hard to equal anywhere and the price only \$57.50 per acre. Write for full description and mention Kansas Farmer.

At McPherson on Monday last, 42 mules sold for \$11,600 cash in a public sale. One span brought \$440 and the general average for the sale was \$276 a head. Every animal was paid for in cash and not a single note was offered.

Mr. Charles E. Sutton, Lawrence, Kan., Dear Sir: The male pig arrived all O. K. Say, he is a gem; I am more than pleased with him. I thank you for filling my order so completely, and hope we can have more business with you in the near future. I remain yours, G. W. Leeper, Princeton, Kan.

In the Frank P. Cooke dispersion sale of Shorthorns, Feb. 22 Briney & Briney, Beloit, Kan., bought Highland Laddy, the pure Scotch bull recently bought by Mr. Cooke at the Wm. Wales dispersion sale to head his herd. Highland Laddy is one of the great herd bulls of the Mitchell county and will be a great acquisition to the Briney herd. They have been looking for a suitable herd bull for the past six months and feel elated with their purchase. Briney & Briney own one of the nice little herds of Shorthorns in Mitchell county. C. E. McKinnie was one of the Mitchell county Shorthorn breeders who attended the Gifford sale of Shorthorns at Clay Center recently. As usual he was a good buyer and among his purchases was a fine young bull which will be used in his herd. Mr. McKinnie has bought a number of high class cattle this winter and is building up one of the real good herds of the county. Mitchell county has 15 herds of Shorthorn cattle and is coming to be quite a center for this popular breed of cattle as well as a Percheron horse center.

A Good Farm at \$200.00 Acre. With this issue Porter Young, of Great Bend, Kan., is advertising an extra good 160 acre farm, with good improvements, at \$200.00 per acre. Mr. Porter is reliable and responsible for any statement he makes about this farm. Write him about this farm. Kindly mention Kansas Farmer when writing.

Woltersperger Sells March 9. Don't forget the big Poland China sale to be made by D. A. Woltersperger at the farm at Lindsay, Kan., March 9. This sale will contain 60 head of bred sows and gilts. Good ones bred to great boars. This is one of the last chances to buy bred sows and farmers and breeders that are still unsupplied should certainly be at this sale or be represented. Bids may be sent to Jesse Johnson in Mr. Woltersperger's care at Lindsay.

Clark Bros.' Shetland Pony Sale. Here is something you will want. Clarke Bros., Auburn, Neb., who have been breeding Shetland ponies for so long, have decided to hold a public sale at their home town on Wednesday, March 16. In the offering of 40 head there will be some show ponies that have won merit both in Scotland and the Shetland Islands. These splendid little animals are great money makers as well as great pets and it will pay you to write for a catalog and we on hand on sale day. Tell Clarke Bros. the Kansas Farmer said so.

Rhea Brothers' Big Horses. Rhea Bros., of Arlington, Neb., have just lately issued a little private sale catalog of their big Percheron horses that is illustrated throughout by photographs taken in the snowy season and during the first week in January last. The pictures certainly show good animals while the pedigrees indicate quality as well. Among the horses are shown a number of prize winners. One 2-year-old won second prize at the Nebraska State Fair, a 3-year-old won first in the American bred class. Another 3-year-old won third in the open class, and others are evidently in shape to win. Rhea Bros. do not claim to handle a cheap class of stallions. With good geldings selling at from \$200 to \$400 per head in the open market, they feel that a stallion is worth more, and they price them from \$500 to \$1,000 that are as good as grown. One of the strong points of this breeding firm lies in the fact that their horses are acclimated but they can not do it all. A horse should be bought early in the season so that he will get accustomed to his new home before the heavy work of the season begins. This is one big advantage in buying from such breeders as Rhea Bros., because they offer stallions that are home bred, pasture raised, and acclimated. This saves an immense amount of time and time means money. Write them for one of their little private catalogs, and mention Kansas Farmer.

T. F. Johnston's Durocs Make \$44.66 Average. The Duroc Jersey brood sow sale of T. F. Johnston, held at Garfield, Kan., Monday, Feb. 21, was one of the good sales of the season. The offering was in the pink of condition and every one was a good one. While the prices were not high it was a good, even sale. Several head more could have been sold at good prices. Following is report in full:

- 1—Wm. Lang, Garfield, Kan. \$ 57.00
2—Ed. Larkin, Larned, Kan. 35.00
3—Chas. Wyman, Garfield, Kan. 57.00
4—Roy Price, Larned, Kan. 67.00
5—Wm. Bowman, Garfield, Kan. 40.00
6—Roy Price, 67.00
8—Chas. Wyman, 57.00
9—G. M. Chiles, Maxwell, Kan. 47.00
10—B. W. Kinedy, Garfield, Kan. 46.00
11—J. King, Larned, Kan. 42.00
13—Roy Baldwin, Garfield, Kan. 31.00
14—Wm. Epperson, Garfield, Kan. 49.00
15—Roy Price, 63.00
16—R. S. Beck, Maxwell, Kan. 44.00
17—R. D. Beck, 32.00
18—Ed. Layman, Garfield, Kan. 56.00
20—R. D. Beck, 32.00
22—G. M. Chiles, 32.00
23—Chas. Anderson, Garfield, Kan. 40.00
25—G. M. Chiles, 32.00
26—R. D. Beck, 26.00
27—G. M. Chiles, 35.00
29—Wm. Long, 42.00
30—Wm. Kinedy, 31.00
31—B. W. Kinedy, 41.00
32—G. W. Wood, Larned, Kan. 31.00
33—N. B. Noble, 37.00
34—W. M. Kinedy, 40.00
35—B. W. Kinedy, 40.00
36—H. H. Godfrey, Garfield, Kan. 40.00
37—H. H. Godfrey, 31.00
38—H. H. Godfrey, 40.00
39—B. W. Kinedy, 33.00
41—G. M. Chiles, 62.00
42—G. M. Chiles, 86.00
43—T. Johnston, Garfield, Kan. 60.00

THE STATE OF WASHINGTON offers unequalled opportunities to the industrious, enterprising homeseeker. Are you interested? If so, write for "Resources of Washington," a 200 page book with 96 beautiful, full-page illustrations. Issued under state authority and sent to any address on receipt of seven cents postage. Address State Bureau of Statistics and Immigration, Olympia, Wash.

NEBRASKA LAND

ALFALFA FARMS DUNDY COUNTY. 160 acres creek bottom running water, rich soil; 100 acres will grow alfalfa, 8 mi. to town, house, cave, ice house, barn, sheds, \$25.00 per acre. 160 acre valley farm, black soil, 2 mi. Benkelman, new house, barn, sheds, well, under fence, 80 acres will grow alfalfa, irrigation ditch on land; \$80.00 per acre. 320 acres, improved, divide farm, \$20.00 per acre. R. D. DRULINER, Benkelman, Nebraska.

PLATTE RIVER VALLEY BARGAINS. 710 acres, fine valley land, all under irrigation ditch, good 8 room house and other improvements, 4 mi. from R. R. station, 10 mi. Co. seat; all fenced, choice land and offered far below actual value at \$30 per acre, for short time only. 320 acre farm, 1 quarter deeded, 1 year school lease, subject to purchase, all choice valley land, 6 mi. from Bridgeport. Some alfalfa and all good alfalfa land, under irrigation. Fair improvements and fruit. Price \$20 per acre, cash. Other attractive propositions in the new Morrill county lands. Write for particulars or see SCOTT & DAVIS, Bridgeport, Morrill Co., Neb.

IRRIGATED HOMESTEADS. In the famous North Platte Valley, where Uncle Sam furnishes the water on ten years time without interest. Crops yield \$25 to \$100 per acre. Homesteads at from \$700 to \$3,500, according to improvements. Deeded land \$75 to \$100 per acre. Free rural mail delivery, telephone and all modern farm conveniences. These lands in splendid settlement of fine homes near town. For particulars write or see CARPENTER, PLUMMER & MURPHY, Morrill, Nebraska.

THE BEST HOG FARM. In the west for sale. 80 acres one and one-half miles from Pawnee City, Neb., fenced and cross fenced hog tight, with spring water piped for greatest convenience. Full equipment, buildings, alfalfa and other tame grasses. I have raised and sold off this farm \$40,000 worth of pure bred hogs during the past seven years, but have decided for various reasons to retire, have already sold stock and the farm is too good to rent. Price \$8,000, write to me and save commissions. JOHN BLAIN, Pawnee City, Neb.

45 BUSHEL WHEAT LAND, \$25 PER ACRE. We own and control 20,000 acres of Cheyenne county, Nebraska's, choicest farm land now on the market. The heaviest crop yielding county in Nebraska for ten years; alfalfa also a leading crop. Ask for folders and full particulars. Agents wanted everywhere. Write for our proposition at once. Railroad fares refunded if things not as represented. FUNDINGSLAND & SEVERSON, Sidney, Nebraska.

BOX BUTE COUNTY BARGAINS. 296 acre ranch farm, 10 mi. to sta., best in the west, \$5,000 improvements, all good land. Price for quick sale, \$15 per acre. 2,000 a., well improved, 700 a. best hay, 8 miles to good station, all good land. Price \$25 per a. Will consider exchange for some good income property or eastern farm land. 320 a., all level, only 5 mi. to Alliance. Price \$20 per acre. 160 a., all level and good, 10 mi. to town, only \$12.50 per acre. Other choice bargains in all sized tracts at \$12.50 to \$22.50 per acre. DINEEN, RUBENDALL & YOUNG, Alliance, Nebraska.

TWO SPLENDID FARM BARGAINS. 409 acre farm in Red Willow county, Neb., 2 1/2 miles from McCook, good 8 room house, good barn and other good improvements; 160 acres choice valley alfalfa land, 55 acres now growing; 100 acres bottom and 40 acres upland, cultivated, balance pasture; well watered, some timber and abundance of choice fruit trees, bearing. Actual value of land over \$20,000, but belongs to non-resident who will take \$16,000 if sold soon—only \$40 per acre. Act quick; don't miss this. 560 acres, 12 miles from McCook, 7 miles from Troyer, Kan.; 400 acres choice smooth farm land, balance good pasture, half cultivated, slight improvements. A splendid bargain at \$16 per acre. For other snaps in farm and ranch lands write or see ACKERMAN & STEPHENS, McCook, Nebraska.

Kimball County, Nebraska.

has excellent farm lands. Produces alfalfa and all kinds of small grain. Prices \$10.00 to \$20.00 per acre. State amount of land wanted. KIMBALL LAND CO., Kimball, Nebraska.

MEXICAN LAND

San Juan Co., New Mexico

For sale or exchange for land in the wheat belt of Kansas, 17 acres with fine irrigation water rights, situated one mile from Farmington. Good 5 room residence, well, cellar, etc. 5 acres set to one year old fruit trees. Price \$3,000, worth \$5,000. Submit propositions at once. General information free.

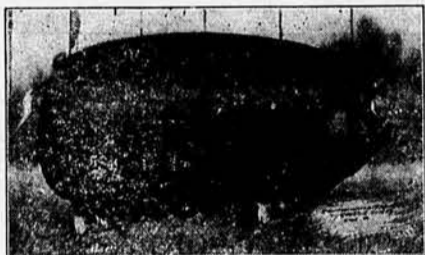
The Farmington Land & Investment Co., T. J. SKAGGS FARMINGTON, N. M.

Closing Out Sale of Big Type Poland Chinas

THURSDAY, MARCH 17

At farm one mile from Leonardville and 14 miles east of Clay Center, Kansas.

40 head in all consisting of 15 tried sows, yearling spring gilts, and a few fall pigs both sexes. Among the tried sows are many carrying the blood of the noted big boar, Tecumseh Shortstop, formerly owned by R. H. Wheeler of Lawrence, Kan.



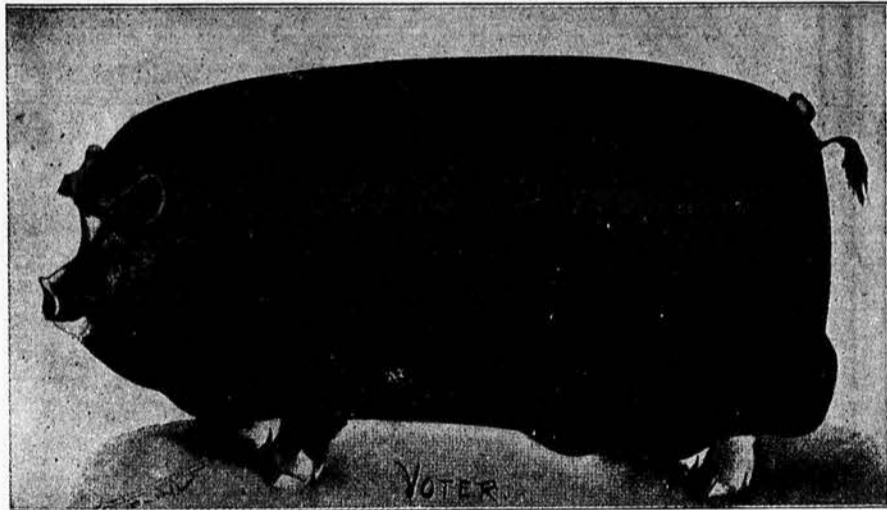
Among others Lady Whiteface (83539) by Victor's Rival 33817, Jessie A. and Jessie B., both sired by Trott 32683; their dam was Lady Jessie by Model Boy 56484, etc, all families that have made good in my herd during the fifteen years that I have been a breeder. About 35 head of sows and gilts will be in pig for April farrow to my herd boars, Modest Joe by Hutch Corwin and Courtier 2d by Courtier. These young boars are also included in the sale. For catalog giving all information write me at Leonardville, Kan., mentioning Kansas Farmer. Send bids to Jesse Johnson in my care.

Jas. T. McCulloch, Auctioneer.

O. M. STEWART,
Leonardville, - - Kansas

A VOTER BRED SOW SALE

Clay Center, Kansas, Thursday, March 10



40 sows and gilts bred to or sired by the great and only Voter. A big day for the Poland Chinas. Voter weighs 817 pounds and is known from coast to coast among Poland China breeders. Included in the sale will be such tried sows as Holly, Pansy A., Pansy and Creole, who is a litter sister to Philanthropist and out of one of the best litters ever sired by Expansion. Sows are all very large and tried and proved mothers. Perfect Tecumseh weighing 682 pounds is safe in pig to a son of Voter out of old Miss G., thus combining the blood of the two largest sows of the breed. Gilts are by Voter, possess size and quality and are bred to Grand Court with worlds of size and bone.

Will also sell one share stock with volumes in either American or Standard Record Associations. Write for catalog if you want your name on my new mailing list.

Jess R. Johnson, Fieldman.

G. W. Dingman, Clay Center, Kan.

50 DUROC JERSEY BOARS, KING OF COL. 2ND BLOOD 50
I have decided not to hold fall sale and these are for sale privately. They are cut of as good sows as the breed affords, and we have them by King of Col.'s 2nd., P. C.'s Col. and other good boars. Plenty of herd boar prospects.
FRANK ELDER, (Successor to Grant Chapin), Green, Kansas.

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500 Men
500 Lady Stenographers
Telegraphers
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Positions Guaranteed.

Authentic School for Railroads and Banks; Largest, best equipped west of the Mississippi; 1,000 students annually; 18 professional teachers; 6 certificated teachers of Shorthand; Best Pen Art Department in the West; Individual Instruction; Satisfactory Positions Guaranteed. Union Pacific contracts to take all graduates of Telegraphy. Expenses low. No Agents. Write for Illustrated Catalog. SEE OUR ONE MONTH TRIAL OFFER.
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The scientific farmer is a King; the ignorant farmer is a Slave. We give by mail a concise, complete and comprehensive course in the kind of FARMING THAT PAYS, including a scientific study of stock feeding, breeding, care and training; crops, seed, rotation, soil, farm management, machinery dairying, poultry, fruit growing, gardening. Also course in Domestic Science, intensely practical. Tuition low. Write for catalog to

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No one should ever attempt to follow the poultry business who is not able and willing to work and observe the smallest details. The idea that it is a pastime for invalids and children is altogether erroneous. It cannot be carried on by guess work, it must follow the hands of the clock. Start in with healthy pure bred stock, then you will have an additional chance of selling eggs to set. Do a little careful advertising and never fail to aim at having the best of its kind, whether eggs or poultry.



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Mitchell County Breeders' Association

C. B. KERN, President.

J. F. HOWARD, Secretary.

Nothing but first class animals offered for sale for breeding purposes.

SHORTHORN CATTLE.

SHORTHORN CATTLE—50 head registered cattle. Herd headed by Royal Goods 293325, by Select Goods, by Choice Goods. Young bulls ready for service for sale. MEALL BROS., Cawker City, Kan.

A YOUNG HERD of up-to-date breeding. Everything recorded. Our herd bull Alfonso by Magnet has produced us some great calves this season. BRINEY & BRINEY, Beloit, Kan.

LOCUST GROVE SHORTHORNS—Herd headed by the pure Scotch bull Goster's Model 287840. Three Scotch topped yearling bulls for sale. Also a few cows with calves at side. ELMER C. CREITZ, Beloit, Kan.

BOOKDELL STOCK FARM. Shorthorn cattle, Poland China hogs. Silver Laced Wyandottes. E. E. BOOKER & SON, Beloit, Kansas.

FOR SALE—A few young Shorthorn cows and some young bulls ready for service. Best of breeding. Write for information and prices. VINTON A. PLYMAT, Barnard, Kan.

HEREFORD CATTLE.

HEREFORD BULL CALVES for sale. Berkshire boars for sale, spring farrow. Will trade 2 or 3 for gilts. Boars by Commander out of dam by Speculation; grand dam, Alice Majestic, champion sow at Kansas City Royal. W. B. & J. M. RODGERS, Beloit, Kan.

50 HEREFORD CATTLE, comprising the H. B. Woodbury herd. Some famous cows in this herd; 8 young bulls of serviceable age for sale. 4 miles from Tipton, Kan. 8 from Cawker City. JOHN SCHMIDT & SONS, Tipton, Kan.

100 HEAD OF HEREFORDS—The home of Caster 259475, the winner in every big show he was ever in. A few choice young heifers and cows for sale. F. L. BROWN & CO., Sylvan Grove, Kan.

PERCHERON HORSES.

REGISTERED PERCHERONS—The home of Vidoque (Imp.) 40403, also the brood mare Risetete (Imp.) 51115. Inspection invited. Farm adjoins town. E. N. WOODBURY, Cawker City, Kansas.

REGISTERED PERCHERON HORSES in stud; Imported Rabelais 42529 by Cosaque by Theidus, who sired Callippo and Casino. Visitors welcome. C. J. JOHNSON, Solomon Rapids, Kan.

THE HOME OF JAQUE W. 42659 by Hatrey, dam Imported Risetete. Inspection of my Percherons invited. RALPH G. MCKINNIE, Glen Elder, Kansas.

COLEDALE STOCK FARM—The home of three first prize winners at the International. Nothing but the best in this herd. Come and see us. FRANK A. COLE, Barnard, Kan.

GRANITE CREEK STOCK FARM. Percheron and Standard bred horses. Make known your wants to M. A. SMITH, Supt., Cawker City, Kansas.

COACH HORSES.

LAWNDALE STOCK FARM—Oldenburg German Coach horses. International prize winning stock. A tried stallion for sale. Inspection invited. JOSEPH WEAR & SONS, Barnard, Kan.

POLAND CHINAS.

IEBAN CREEK STOCK FARM—Poland Chinas 100 spring pigs, both sexes, for sale at private treaty. Also a few yearling cows bred for October farrow. LOGAN & GREGORY, Beloit, Kan.

EUREKA HERD POLANDS—Durocs. I breed both and have a nice lot of serviceable boars of both breeds for sale, and a few choice gilts. Priced right. W. H. SALES, Simpson, Kan.

DUROC JERSEYS.

GOLDEN RULE STOCK FARM—Gilt edged Duroc Jerseys, 40 spring pigs, both sexes, for sale at private treaty. Farm adjoins town. LEON CARTER, Asherville, Kan.

ALFALFA STOCK FARM. The home of the best in Duroc Jerseys. Choice boars, fall sows, in fact, most anything you want. PEARL H. PAGETT, Beloit, Kan.

HAMPSHIRE.

HAMPSHIRE HOGS. 40 spring pigs, both sexes, for sale. Write for prices. A. B. DOYLE, Beloit, Kan.

O. I. C. SWINE.

Tracing to the famous Kerr and Big Mary families. No more males to offer. A few choice bred and open gilts for sale. T. C. WRENCH, Beloit, Kan.

AUCTIONEERS.

COL. H. H. VANAMBURG, General and Live Stock Auctioneer, PHONE 434, BELOIT, KAN.

COL. F. L. SMITH, General and Live Stock Auctioneer, PHONE 943, BELOIT, KAN.

KANSAS LAND

400 ACRES, 2 1/2 miles from Cedar Point, Chase County, Kansas, on the main line of the Santa Fe, 100 acres creek bottom, all in fine alfalfa, nice creek and timber, 300 acres pasture, fair orchard, rather poor buildings, close to school, daily mail, telephone. The best thing in the county at the price, \$14,000. Pasture lands a specialty. J. E. Book, Cottonwood Falls, Kan.

SOLOMON VALLEY LAND. 60 a., improved, 3 mi. to market, 40 a. pasture, 40 a. tilled, \$2,000. 640 a., 320 a. can be plowed, creek through this section 5 mi. to market, \$12,800. 400 a., all grass, one-half tillable, 5 mi. to market; terms, \$6,000. 160 a., 4 1/2 mi. out, all good land, \$0 a. broke, terms, \$5,800. Other farms for sale and exchange. List free.

A. E. ROBINSON LAND CO., Minneapolis, Kansas.
NEMAHIA CO. corn and alfalfa land, 80 a. of as good corn and alfalfa land as can be found in Nemaha Co., has recently been placed on the market and any one wanting to take advantage of one year's advance in prices will have an opportunity. This farm can be bought now and get a March 1st, 1911, settlement. This place is located 3 miles S. E. of Corning. It is well fenced, but has no other improvements.
C. E. Tinklin, Corning, Kan.

MISSOURI LAND

TO EXCHANGE FOR KANSAS FARM. Suburban grocery stock, will invoice about \$3,000. Will assume some on farm. Residence properties in Kansas City and 20 farms, Kansas and Missouri, ranging from 80 to 400 acres each, to exchange.
J. E. REED REALTY CO., 622 N. Y. Life, Kansas City, Mo.

KANSAS, MISSOURI, ARKANSAS AND OKLAHOMA FARMS for sale at lowest prices on best terms. Opportunities for either homeseeker or investor unexcelled. If you are either, you should have my new list. It's free. Also some exchange propositions.
JOHN A. HARVEY, Kansas City, Mo.
613 Century Bldg.

SOUTHERN MISSOURI LANDS. Howell, McDonald, Stone and other counties. We have several thousand acres, \$3.50 to \$8.00 per acre, in best part of fruit country. Also improved farms, \$10.00 to \$40.00 per acre. Will exchange. Write us what you want.
LOCATOR REALTY CO., 342 Ridge Building, Kansas City, Mo.

AUCTIONEERS

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LIVE STOCK AUCTIONEER.
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Breeder of Percherons, Shorthorns and Duroc Jersey hogs; posted in pedigrees; terms reasonable. Write or wire for date.

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Sales made everywhere. Write or wire me for dates. Prices reasonable.
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LIVE STOCK AUCTIONEER.
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PEDIGREED LIVE STOCK

Write me for dates.
BUNTON, MO.

J. H. MOORMAN.

Live Stock and General Farm sale auctioneer. Satisfaction guaranteed. Long distance phone connection.

SOLOMON, KANSAS

THE STRAY LIST

Wilson County—Clerk.
STER—Taken up, Jan. 28, 1910, by Ed Scheller, in Verdigris tp., one red yearling steer, crop off right ear, no horns and small for age.

Logan County—C. H. Nollnd, Clerk.
MARE—Taken up, Jan. 19, 1910, by Jas. Creoch, in McAllister tp., one brown mare, weight about 800 lbs., star in forehead, left hind foot white.

Evergreens for Kansas.
We desire to call Kansas Farmer readers to the advertisement of the Farrar Nurseries which appears in this issue. These nurseries, located at Abilene, Kan., make a specialty of growing evergreens that are hardy and that do well in Kansas and Oklahoma. They have the finest lot ever this year, 10,000 of them different sizes, mostly from 12 to 36 inches in height. Remember this is the Chinese variety of Arbor Vitae and must not be confused with Very low prices are being made on this stock in order to reduce it. Write at once for catalog mentioning Kansas Farmer.

Rhode Island Reds That Are Red.

In this issue of Kansas Farmer will be found the advertisement of A. F. Oviatt of Eldon, Mo. Mr. Oviatt has one of the strains of prize winning blood we know of and we can say to our readers that birds or eggs purchased from this flock will be first class in every way. We give Mr. Oviatt's winnings at Missouri State Fair at Sedalia: 1st, 2nd cockerel; 1st hen; 1st pullet; 1st pen. St. Louis Poultry Show: 1st cock; 1st, 2nd, 3rd, 4th cockerel; 1st, 2nd hen; 1st, 2nd, 3rd pullet, 2nd pen. Missouri State Show at Sedalia: 1st cock; 5th cockerel; 1st, 3rd hen; 3rd pullet; Rhode Island Red Silver Cup. Stock purchased on approval may be held by purchaser one day and if not satisfactory may be returned express prepaid and purchase price refunded. Write for mating list to A. F. Oviatt, Eldon, Mo., and kindly mention Kansas Farmer.

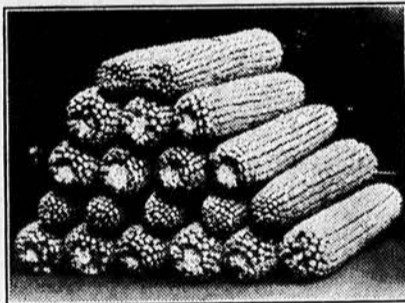
The Thompson Jack Dispersion.

J. D. Thompson of Kidder, Mo., announces that he will disperse his herd of jacks and Jennets at his home town on Saturday, March 12. The offering will consist of 3 jacks and 17 Jennets and these are worth the money. Last year Mr. Thompson made the highest average on aged Jennets that was ever made in a public sale in this country. His jacks also sold well though he did not break the records made by older breeders who were better known. This year's offering of jacks is the best Mr. Thompson ever owned and, as this will be a dispersion sale, there will be a chance for some snags. Kidder is only 40 miles east of St. Joseph on the Burlington and you will surely want to be present on sale day. Mention the Kansas Farmer and write for a catalog.

Noted Hog Farm for Sale.

John Blain the veteran Poland China breeder of Pawnee City, Neb., has closed out his entire herd and retired from the breeding business. Rather than to rent his well improved farm he offers it for sale. The farm which comprises 80 acres, lying one and one-quarter miles from the city limits, is one of the best farms for the purpose for which it has been used that can be found in the west. It is fenced and cross fenced, hog tight, good hog house and other buildings necessary to the business. Fine spring of water all piped to different pens, etc., plenty of alfalfa, clover and blue-grass. It is not only an ideal hog farm but would make an excellent farm for dairying. During the past seven years Mr. Blain has raised and sold almost \$40,000 worth of pure bred Poland Chinas off this farm. Who will take his place? Price \$8,000. Deal direct with Mr. Blain and save agents' commission.

The accompanying cut is from a photo of the 20 ears of corn exhibited at the Nebraska Corn Show held at Lincoln, Neb., last January. This corn was raised by Frank J. Rist of Humboldt, Neb. Mr. Rist won second in strong competition. He has hundreds of bushels like this and is mak-



ing prices so low that no progressive farmer can afford not to buy. Write for sample and price, mentioning Kansas Farmer.

Two Great Duroc Sires Represented.

In the Duroc Jersey sale of Samuel Drybread and J. J. Baker, at Elk City, Kan., on March 16, a part of the offering will be the get of Bell Chief by Ohio Chief, out of Savannah Bell. A part will be bred to the original Buddy K 4th, who was champion of the Illinois State Fair and later sold for \$5,025 in Mr. Baxter's sale. Sows bred to this great hog have always been in demand and have always sold for good figures in public sales. He is now at the head of the Star Breeding Farm at Elk City, Wednesday, March 16, will afford Duroc Jersey breeders an opportunity to buy some very high class sows bred to this remarkable sire. Among the choice sows that are bred to Buddy K 4th are 5 Colonel S, gilts; 2 extra good gilts sired by Bell's Chief, and some good daughters of Red Wonder. This will positively be the best offering ever sold on the Star Breeding Farm. It will represent the blood lines of all the great sires such as King Wonder 5th, Red Advance, who is a good son of Red Wonder, and out of May Advance by Proud Advance; Crimson Prince, a good son of Ohio Chief, and others. Many of the tried sows are bred for March and April farrow. Don't fail to send your name in early for a catalog, and arrange to attend this sale. Kindly mention Kansas Farmer when you write. If you can not attend the sale, O. W. Devine of the Kansas Farmer will handle your bid for you.

G. W. Roberts' Poland Chinas.

Everybody who handles Poland Chinas knows G. W. Roberts, owner of the Short Grass Herd at Larned, Kan. Mr. Roberts put Pawnee county, Kan. on the Poland China map, and last fall he held one of the most successful sales that was ever made in the state. He also showed the champion herd at the Kansas State Fair and won more premiums than any other exhibitor. Mr. Roberts has always been a stickler for good hogs and he wants as good a pedigree as he can get. One of the good sows in this

herd is Darkness Last by Meddler 2nd, and out of old Darkness. She is a grand champion sow and a great producer. She is now bred for an early litter to Toastmaster, he by Decatur and out of Cute Keep On. Darkness Last cost Mr. Roberts \$300, but her last litter sold for a nice profit and she more than paid for herself. She now produces to produce a very high class litter this spring. Lady Bell by Corroter 2d, dam by Proud Protection is the dam of the undefeated show herd Black Bell, Starlight and Sunflower. Starlight was junior champion at the Kansas State Fair and at Enid, Okla. Black Bell was grand champion. Weeping Willow by Meddler 2d, dam Lady Alice by Mischief Maker was senior champion at the Iowa and Illinois State Fairs. Keep On Sunshine by Keep On, dam Ideal Sunshine 2nd, second dam by Look Me Over, who was the first herd boar that ever sold for as high as \$3,600 cash, now has a litter which is being fitted for next year's shows. Opal by Meddler 2d, dam Egypt by Chief Perfection 2d, raised a fine litter by King Darkness, and is now bred to Toastmaster. Maid of Honor is a line bred Mischief Maker and Chief Perfection 2nd, and was first and champion at the Oklahoma State Fair. She is now bred to King Darkness for an early litter. Rowena by Cock Robin, dam Limestone Bell, is bred to Corroter 2d for March litter. Mr. Roberts is advertising six extra good young boars by King Darkness, and 15 bred gilts, 5 of whom were sired by King Darkness, and all of whom are extra fine. Write to Mr. Roberts for prices and information and kindly mention Kansas Farmer.

SHORTHORN CATTLE

SHORTHORNS.

If you need a young bull or some females write us; prices right.

SHAW BROS.,

Phillips Co., Glade, Kan.

TENNEHOLM SHORTHORNS.

Have on hand a few young red bulls ready for service that are of splendid milking dams and have good beef form. No better breeding could be wished. Can spare a few females. Prices moderate.

E. S. MYERS, Chanute, Kan.

SHORTHORN BULLS.

Choice young bulls for sale, sired by the pure Scotch bull Scottish Archer and out of Scotch topped cows. Reds and excellent individuals. Will be priced reasonable. Also few bred Poland gilts.

S. B. Amcoats, Clay Center, Kan.

ALFALFA LEAF SHORTHORNS.

Special offering of four bulls. One by Archer 205740, out of a Victoria cow. Three by Nonpareil Star, one a Victoria, one Imp. Edelweiss and one Christmas Gift. Also a few choice heifers of equal quality and breeding.

John Regier, Whitewater, Kan.

EVERGREEN HOME FARM.

Milking Shorthorn Cattle, Bred Hornless, Berkshire Hogs, Oxford Down Sheep.

Bourbon Red Turkeys.
LATHROP, MISSOURI.

JEWELL SHORTHORNS.

A young herd of up-to-date breeding. Also Percheron and Standard bred horses. In stud, the Percheron stallion Marquis De Wierre (Imp.). Also the Standard bred stallion Red Seth 31185. Farm adjoins town. Come and see us.

W. T. LOWE, Jewell, Kan.

SCOTCH TOPPED BULLS.

We have for sale some choice last spring bull calves sired by our herd bull Pleasant Hill Master, one of the best sons of Master of the Grove. Will make reasonable prices on these.

O. A. TILLER, Pawnee, Neb.

A CARLOAD SHORTHORN COWS

All are bred or have calf at side. 4 good young bulls that I am sure will suit. Everything nicely bred and in good condition. Moderate prices. Come and see us.

D. H. FORBES & SONS, Topeka, Kan.
R. F. D. No. 8, Bell Phone 31.

Humboldt National Stock Farm.

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

H. F. Pelphrey & Son, Humboldt, Kan.

Prospect Farm Shorthorns

The oldest Shorthorn breeder in Kansas. The largest herd of Cruickshanks in Kansas. Herd headed by Violet Prince 145647 and Orange Commander 220590. Young stock of both sexes and some cows for sale. Quality and prices right.

H. W. McAFEE, Bell Phone 59-2, Topeka, Kan.

Shorthorn Bull

If you are looking for a young to head your herd right in every way, write us for full particulars at once.

C. G. COCHRAN & SONS, Plainville, Kansas.

Center Grove Stock Farm

Scotch Shorthorn cattle and 20 bred sows and a few good spring boars of large type Poland China hogs. Write me what you want. No trouble to answer letters. Bell phone.

J. W. Pelphrey & Son, R. 6, Chanute, Kan.

POLLED DURHAM CATTLE

POLLED DURHAMS.

Young bulls, cows and heifers bred to Roan Hero, the double Standard champion. Prices reasonable. Write for terms.
C. J. WOODS, Chiles, Kan.

BELVEDERE X2712--195058

Son of the \$1,500 Grand Victor X1685 150364 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 NICE, Richland, Kan.

HEREFORD CATTLE

BEAU BRUMMEL

10th 167719

Modera Herefords. Herd bulls, Beau Brummel 10th 167719, Beau Beauty 192235—and Protocol 2d 91715. Robert H. Hazlett Hazford Place, Eldorado, Kansas.

ANGUS CATTLE

25-BULLS ANGUS-25

Ready for Service.

30—BRED COWS AND HEIFERS—30 Sired or bred to Champion Ito, sire of 1st Prize Calf Herd at American Royal.

10—SHROPSHIRE EWES IN LAMB—10

To our Imported Show Ram.

SUTTON FARMS, LAWRENCE, KAN.
400 Angus in Herd.

VIEW POINT ANGUS HERD.

15 choice cows in age from 3 to 7 years. Representative of the Heroine, Mina, Duchess and Dimple families. All of them raised calves the past season and are bred for March calves to the great Louis of Meadow Brook, sire of champions. Nearly all of these cows were raised on our farms and are only being sold to reduce the size of herd. Low prices. Mention this paper when writing.
PAUL M. CULVER, Edgerton, Mo.

RED POLLED CATTLE

AULD RED POLLS.

Herd established 7 years. Choice breeding and individuality. Three young bulls for sale.

AULD BROS.,

Frankfort, Kansas.

FOSTER'S RED POLLS.

7 choice young bulls and a few good females for sale. My prices are right. Come and see my herd.
C. E. FOSTER, Eldorado, Kansas.

HOLSTEIN CATTLE

HOLSTEIN BULLS

Sired by "King of the Pontiacs," "King Segis Pontiac," DeKol 2nd's, Butter Boy 3rd and other noted sires. A car load of these fellows on hand, and they will be priced to sell.
Rock Brook Farm, Henry C. Glissman, Prop., Omaha, Sta. B, Neb.

East Side Dairy Holsteins

Advanced Registry Breeding.

My prices are reasonable for cows and heifers bred and open if you consider quality and breeding, a choice lot to choose from. Also some extra well bred young serviceable bulls and bull calves to offer. See the herd or write for particulars.

F. J. Searle, Prop., Oskaloosa, Kan.

JERSEY CATTLE

LINSCOTT JERSEY CATTLE

Established 1878. Registered in A. J. C. C. Any animal for sale.
R. J. Linscott, Holton, Kan.

HAMPSHIRE SWINE

Oldest herd in the West. 30 boars of serviceable age. Also bred sows and gilts.

W. F. DAVIS,

South St. Joseph, Missouri.

BERKSHIRES

BRAEBURN BERKSHIRES.

Pigs, high class in quality and breeding.
H. B. Cowles, Topeka, Kan.

RIDGEVIEW BERKSHIRES.

2 herd boars for sale. 1 two-year-old by Forest King, other mates of different agts. Sows and gilts open.
Manwaring Bros., Lawrence, Kan.

MAPLE HEIGHTS BERKSHIRES.

A few extra good, early fall gilts to offer, also several fall boar pigs. Long, smooth bodies and fancy heads. Write your wants.
J. M. Nielson, Marysville, Kan.

HOMEWOOD STOCK FARM, IMPORTERS AND BREEDERS OF PERCHERON, BELGIAN AND SHIRE STALLIONS AND MARES.

Sixty head of stallions arrived August 10th. 40 head of Percheron mares arrived on Nov. 5th. If in the market for a first class animal of either sex, with size, bone and quality, don't fail to inspect our horses before purchasing elsewhere. No matter what you want in the stallion or mare line, we can suit you, and at a price that will please you. Remember, every animal guaranteed a satisfactory breeder. Our Motto: Prices right, terms to suit, satisfaction guaranteed. No misrepresentations or disappointments on arrival. For the convenience of our Western trade we have established a barn at

Ablene, Kansas. S. METZ & SONS, Homewood, Illinois.

POLAND CHINAS

10 SPRING POLAND BOARS 10

Big, husky fellows, sired by Orphan Chief Jr. and Hutch Jr., out of strictly big type sows; low prices. J. F. Menehan, Burchard, Neb.

FOR SALE

Three boars, May farrow, show prospects of a high class. See these if in need of a junior yearling next fall. JEWELL BROS., Humboldt, Kansas.

SNYDER BROS.' HIGH CLASS POLAND CHINAS.

Either sex, bred sows and bred gilts, priced right for quick sale. Write your wants. Snyder Bros., Winfield, Kan.

Ridgeview POLAND CHINA HERD

Headed by Union Leader 202507. Sows in herd represent all leading big type strains. Visitors welcome. W. R. WEBB, Bendena, Kansas.

SHORT GRASS HERD--BIG TYPE--HOT BLOODS.

6 boars by King Darkness, Sept. farrow, 15 bred gilts, 5 are by King Darkness, priced reasonably for quick sale. Write at once. These bargains won't last. G. W. ROBERTS, Larned, Kansas.

DUROC JERSEYS

GILTS RESERVED FOR MY FEBRUARY 2 BRED SOW SALE. Big, growthy spring boars for sale at bargain prices. Bred right and fed right. Priced right. E. M. MYERS, Burr Oak, Kan.

NEW LOCATION at Enid, Okla., will hold a grand champion bred sow sale, March 24, 1910. S. W. ALFRED & SON, Sharon, Kansas.

HOWE'S DUROCS. Special prices on boars and gilts sired by Rex K., champion at Wichita fair this year. Also a few by Perfect Improver, grand champion at Wichita 1907 and 1908. Only a few left. Get busy and send in your order. J. U. Howe, Wichita, Kan.

CEDAR LAWN HERD. Nice lot of spring boars, sired by Long Wonder, Bells Chief, Rose Bell and Top Model, a choice lot of fall gilts open or bred, priced right to sell quick. Write me at once. F. M. Buchhelm, R. D. 3, Leocompton, Kan.

HANLEY STRAIN OF DUROCS Write for prices. Paul B. Johnson, Leavenworth, Kan.

FOR SALE.

A few late spring and summer boars of good quality, also some good bred yearling sows and spring gilts priced right. H. A. J. COPPINS, Potwin, Kansas.

"DUROCS GROWN IN THE OZARKS." Ohio Chief and Col. blood. Litters by Muncie Chief, Model Prince, King of Models, Inventor, The King I Am, Advance; several by Col. Carter, my leading bred boar. They are all grown right, are good and we answer all letters of inquiry. Cabool, Mo. C. I. Carter.

SPRING BANK HERD DUROCS. Herd headed by W. H.'s Colonel, the first prize junior yearling boar at Hutchinson fair, 1909, and Chief's Orion, the third prize aged boar at Kansas State Fair, 1909. A few choice spring boars and sows bred to either of the above named boars for sale. W. H. Williamson, Raymond, Kan.

GREENWOOD HERD DUROC JERSEYS. Herd boar Dandy Duke 64663, few choice spring boars for sale and few extra good spring and fall gilts, few tried sows bred for spring litters. Write or come and see me. R. D. Martin & Sons, Eureka, Kan.

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, Kan.

SOLLENBURGER'S DUROCS Breeding of the very best. Choice boars and gilts of March and April farrow for sale. Write at once if interested. R. G. SOLLENBURGER, WOODSTON, KANSAS.

POLAND CHINAS

HIGHVIEW BREEDING FARM.

The only registered herd of big boned spotted Polands on earth. Write for catalog of my big bred sow sale, Feb. 16. H. L. Faulkner, Box K, Jamesport, Mo.

POLAND CHINAS.

20 early spring Poland China gilts, tracing to the large type Expansion--will sell them bred or open, a few choice spring boars, prices reasonable; satisfaction guaranteed. Oliver & Sons, Danville, Kan.

MELBOURNE HERD POLAND CHINAS.

I have a few choice spring boars and gilts sired by Gold Metal, Hadley Boy and Klever Boy for sale at moderate prices. Let me know your wants. John C. Halderman, Burchard, Neb.

POLANDS! POLANDS! POLANDS!

Capt. Hutch, Mogul Monarch and Toulon Prince in service. Big type clear through. 4 young boars for quick sale. 2 July boars that are herd boar prospects. J. H. HARTER, Westmoreland, Kansas.

EXPANSION POLAND CHINAS.

A choice lot of Expansion bred fall pigs, both sexes, September farrow, for sale. Nice, thrifty pigs and will be sold worth the money. Mostly Expansion blood, though I have other good ones for those who want them. Get your orders in early. W. E. Willey, Steele City, Neb.

STRYKER BROS.' HERD POLAND CHINAS.

The greatest show and breeding herd in the West. Write your wants and they will please you. Hogs any age at reasonable prices. Buy the best and make the most. They breed the kind that win, the kind you want. Address Stryker Bros., Larned, Kan.

DUROC JERSEYS

CHAPIN & NORDSTROM.

have for quick sale, 3 spring herd boars by King of Col.'s 2nd, 1 by G. C.'s Col. All show prospects. CHAPIN & NORDSTROM, Green, Kansas.

Fitch's Kant--Chief Improver

A nice line of March and April boars to price worth the money after August 1. Write any time for prices and information. W. T. Fitch, Minneapolis, Kan.

Because of the bitter cold day the Frank P. Cooke and Charles McCleary sale of Short-horns on Feb. 22 was not as successful as it would have been with a more favorable day. It was a dispersion so far as Mr. Cooke is concerned. Mr. Cooke who has been a resident of Mitchell county for 32 years has sold his farm in this county and is moving with his family to Shelly, Idaho, where he has purchased an irrigated farm one mile from that town. Mr. Cooke is one of the pioneers of Mitchell county and the good will of everyone in the county goes with him to his new home. He was a member of the Mitchell County Breeders' Association and one of its promoters. He has actively supported the Mitchell county fair and it is largely the efforts of men like Mr. Cooke that has made this fair one of the biggest and strongest in the west. He is taking some choice Shorthorns and Percheron mares with him to Idaho. The Kansas Farmer which he has read for 25 years will follow him.

Fitch's Duroc Sale.

The W. T. Fitch sale of Duroc Jersey bred sows was held at the Fitch farm near Minneapolis, Kan., Monday, Feb. 21, as advertised in Kansas Farmer. There was some bargains there, sure enough and while the offering was not in the best of condition and bred, almost all of it for extra early farrow. The average was something over \$30 and was satisfactory to Mr. Fitch. Mr. Fitch has been badly handicapped this winter with sickness in his family and more work than two men ought to do besides. Those who bought will find that as usual the Fitch annual bred sow sale is a good place to be if bargains are sought. Below is a list of some of the principal buyers:

1--Tom Kirkland, Minneapolis, Kan.	\$43.00
2--James Guard, Minneapolis.	32.50
3--Arthur Van Dorn, Minneapolis.	39.00
4--L. Van Dorn, Ada, Kan.	40.00
5--P. Wells, Delphos.	41.00
6--L. M. Richardson, Pond Creek, Okla.	50.00
7--James Guard.	32.50
8--Geo. Barker.	30.00
9--H. E. Tate, Bennington, Kan.	35.00
10--L. E. Boyle, Lindsey, Kan.	31.00
11--Sam Guard.	27.00
12--Wm. Grace, Ada.	35.00
13--Applebaugh Bros., Cutver, Kan.	32.00
14--Leon Carter, Asherville, Kan.	31.00
15--Applebaugh Bros.	49.00
24--L. Van Dorn.	40.00

FRANK IAMS'

new importation of draft stallions and mares arrived September 20, 1909, by "Iams' own Special train" of "ten express cars." They are "business propositions" that "jar th cherries" on a "wide-awake" "horseman's hat." Iams' "Peaches and Cream" stallions and mares are "eye-openers." They are "diamonds," sold "at fifty cents on the dollar." They are "winners" and "sons of winners," having won "eighty prizes and medals" at Paris and Brussels and leading European horse shows. Iams makes buyers.

"SIT UP AND TAKE NOTICE"

"Ikey Boys" get into Iams' "money-saving game." Buy a stallion and mare today--save \$300.00. Iams "tickles" buyers with "Rippers" at "Let Live Prices." Owing to bad crops, panic--Iam. cash, his 27 years' successful business, he bought and sells better horses cheaper than ever. Mamma, Iams is a "hot advertiser," but, "he has the goods" and sells horses at his barns only. Buyers get the "middlemen's profits" at Iams'. Iams has **200--PERCHERONS AND BELGIANS--200**

two to six years old, weighing 1,700 to 2,500 pounds; 90 per cent blacks, 50 per cent ton stallions. All registered and branded. He sells "toppers" at \$4,000 and \$1,400 (few higher), mares \$700 to \$1,000, so good they need not be "peddled" or put on the "auction block" to be sold. Iams "selling clothes" fit all buyers. No man with money or bankable notes gets away from Iams. He buys, owns and sells more stallions than any man in the United States; saves thousands of dollars to stallion buyers. Iams is not in the stallion trust. Iams places \$1,500 insurance.



\$1,000---SAVED AT IAMS'---\$1,000

Ikey, what "a graft" these "stallion salesmen" are working on the farmer, selling fourth-rate stallions at \$4,000 and \$5,000! Mr. Buyer, see Iams' stallions yourself. Take no stallion salesman's word. "Iams has the goods you read about." His establishment is worth going 2,000 miles to see. Iams' competitors "holer." He is knocking "high prices" out of the Xmas tree. Iams saws wood, "butts in," sells more stallions each year. He makes every statement good. Big Bill, buy a stallion of Iams. His \$1,200 stallions are much better than our neighbors paid those Ohio men \$4,000 for. Then I can wear diamonds. Iams speaks the languages, buys direct from breeders, pays no buyers, salesmen or interpreters; has no two to ten men as partners to share profits with. Iams guarantees to sell you a better stallion at \$1,000 to \$1,500 than are sold to stock companies at \$2,500 to \$5,000 by slick salesmen, or pay you \$500 for your trouble, you the judge. Iams pays horses' freight and buyers' fare; gives 60 per cent breeding guarantee. Iams' guarantee is backed by one-half million dollars. Write for Million Dollar Horse Catalog. Greatest on Earth. References--St. Paul State Bank and Citizens' National Bank, ST. PAUL, NEBRASKA

HENDERSHOT'S PERCHERONS AT AUCTION Wednesday March 9, 1910, at 9 a. m. Sharp SALE AT FAIR GROUNDS, LINCOLN, NEB.



70 Big Boned Percheron Stallions and Mares FIVE MAMMOTH KENTUCKY AND SPANISH BLACK JACKS

For catalog address O. P. HENDERSHOT, LINCOLN, NEBR. Auctioneers--F. M. Woods, Z. S. Branson, Ray Page.

PERCHERONS SHIRES - BELGIANS

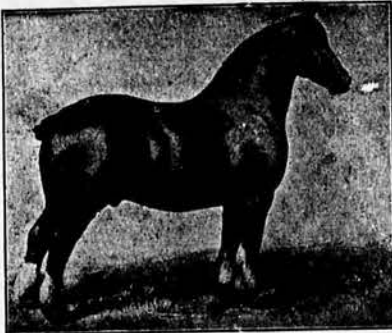
We received on Dec. 30th at our So. St. Joseph barns another carload of Percherons. All of our stallions and mares are imported; no home-bred, short-bred scrubs. Our prices are the very lowest if you want a square deal, with the best and safest insurance and guarantee. All street cars going south from Union Depot pass our barns; one block from Transit House, one block from the South St. Joseph depot. PERCHERON IMPORTING CO., Chas. E. Kirk, Pres., So. St. Joseph, Mo.



MAASDAM & WHEELER

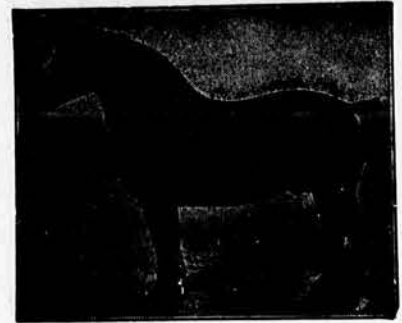
Breeders and Importers of Percheron Horses. 60 STALLIONS AND MARES to select from. Our stock has size, bone and quality. Stallions and mares from weanlings to 7 years old for sale. Imported and home bred. **FAIRFIELD, - IOWA.**

GET BUSY



You are missing the opportunity of a lifetime if you do not send and get **OUR NEW 1910 CATALOG** before buying a stallion. It will show you a large number of actual photographs of stallions now in our stables. These horses were all selected and imported early in the fall of the year 1909 and are all in prime condition to go out on the stand and do a big season's business. They are nearly all solid colors, range in age from 3 to 6 years, in weight from 1700 to 2000 pounds. They are the big-boned, blocky type, with lots of style and action. Our 60 per cent breeding guarantee is as good as a Government Bond. **GET OUR CATALOG.** It is free for the asking.

WATSON, WOODS BROS. & KELLY CO., LINCOLN, NEB.



ROBISON'S PERCHERONS



—FOR SALE NOW—

Twenty-five extra good Imported and American bred Percheron stallions.

PRICES RIGHT.

J. C. ROBISON, Towanda, Kansas



ROSS FARM

Registered

PERCHERON STALLIONS AND MARES, KENTUCKY JACKS, SHORTHORN CATTLE

30 head Imported and American bred mares 2 to 5 years old, several nicely matched teams, a number in foal, 10 head Imported and American red stallions 2 to 4 years old, all extra good, big boned, smooth Yellows fit to head the best herds of registered mares.

Several splendid big boned Kentucky jacks. 30 head pure Scotch Shorthorn cows and heifers. 5 extra good red bulls coming yearlings, pure Scotch and in fine condition.

GEO. B. ROSS, Aiden, Kan.
Farm adjoining depot, main line A. T. & S. F. R. R.

HORSE MEN



We want to call your attention to our fine lot of **IMPORTED AND AMERICAN BRED STALLIONS AND MARES. SHIRES PERCHERONS BELGIANS**. We always have our barn full numbering up to sixty and you would do well to see us before buying elsewhere. Are going to make extra low prices for the next thirty days in order to make room for our spring shipment. We solicit correspondence, and invite you to come and see the grandest lot of horses ever brought together. Will give terms to suit the buyer. Don't buy without looking at these or you will miss a bargain.

L. R. WILEY & SON, Elmdale, Kansas.

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

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.

Up-to-date Poland China hogs. Write your wants.

H. N. HOLDEMAN, Meade, Kansas.

FOR SALE—I have a good road or general purpose stallion (Standard bred, but not registered) sired by Douglas Almont (0298), by Allie Gaines by Almost (23), dam by "Champtonian" by Hambletonian 10. Bred by the present owner, has never been abused and is a sure foal getter and gets good ones. Fine disposition, \$300 will buy him. Address "H," Box 314, Baldwin, Kan.

M. H. ROLLER,

J. O. ROLLER,



Breeders of registered jacks and jennets. For sale, 14 jacks and 20 jennets, 14 to 16 hands. All black. We raised all of these jacks and broke them. We are not speculators and you get them first hands if you buy from us. 63 miles N. W. of K. C., 65 miles W. Leavenworth. 6 passenger trains daily except Sunday, 2 Sunday. Write for catalog—free for asking if Kansas Farmer is mentioned. **M. H. & J. O. Roller, Circleville, Kan.**

JACKS.

I have on hand a large collection of the best stallions the world produces. I have the best line of big boned, dapple gray and black ton stallions that can be shown in the United States this season. These stallions measure from twelve to fourteen inches blow the gamble and from eleven to thirteen inches below the knee and carry corresponding quality. They run in weights from 1,800 to 2,650 pounds each. I am offering greater attractions in stallions than any other importer. Prices the lowest.

I have also forty big imported mares, all in foal, for sale.
W. L. DECLOW,
Cedar Rapids Importing Farm,
Cedar Rapids, Iowa.
Register your jacks in the American Jack Register. Write for blanks.

JACKS AND JENNETS

Stocks for sale at all times. Write us what you want.

YATES BROS., Faucett, Mo.

STALLIONS AND JACKS

Several Kentucky jacks from 15 to 16 hands high. One mile from town.

BRUCE SAUNDERS, Holton, Kansas.

KENTUCKY MAMMOTH JACKS.

Jacks, jennets and saddle horses, 250 head to select from. Tamworth swine, all ages. Catalogs now ready.

J. F. COOK & CO., Lexington, Kentucky.

75 HEAD JACKS AND JENNETS

All ages up to seven years old. Guaranteed as represented and prices reasonable.

Special prices for fall trade. Come and see me.

PHIL WALKER, Moline, Kansas.

35 JACKS & JENNETS 35

Few Good Percherons and saddle stallions. Jacks 14 1/2 to 16 hands and the very largest that can be found. 40 miles K. C. on U. P. and Santa Fe.

Long distance phone.
AL. E. Smith, Lawrence, Kan

FOR SALE.
The thoroughbred imported French Coach stallion Viveur is for sale. Any one desiring information address the undersigned.

C. R. MILLER,

Chairman Sales Com.
R. F. D. 2, Atchison, Kan.

JACKS AND STALLIONS

AT QUIET GLENN.
One or a car load of big jacks, the kind you will want and that will do your country good. Come and see a lot of jacks that are all good. Choice or three young Percheron stallions. Come now or write for catalog.

G. M. SCOTT, Rea, Missouri.

Percheron Stallions and Mares.

Several nicely matched teams of registered Percheron mares, safe in foal, and a few young stallions for sale, ages from three to five years old. Come and see me.

F. H. Schrepel, Ellinwood, Kan.

PERCHERONS, SHIRES SADDLERS and JACKS

23 registered jacks and jennets, 12 registered Percheron stallions and mares, 1 Imp. Shire stallion, 1 comb. harness and saddle stallion. Good stuff and at prices that will move them. Barns 3 blocks north depot.

Fred Poos, Potter, Kan.

H. & H. WOLF and DAVID COOPER

Imported and Home Bred Belgian Stallions.

Branch Barn of H. H. Wolf, Wabash, Ind.

The same terms and insurance will be given at Freeport, Kan., as at Wabash, Ind. Several extra good two, three and four year old stallions, one that weighs a ton and ten pounds at 27 months old. All are good individuals, guaranteed as represented. Priced reasonable. Write or call and see me.

DAVID COOPER, Mgr., Freeport, Harper County, Kan.



Dunham's Percherons

46 splendid stallions and mares arrived Feb. 9. These, added to our present stock, afford intending purchasers the finest selection in America. If you want the best horses, horses with bone, quality, size, action and best breeding—if you want fair and liberal treatment, if you want lowest prices consistent with good merchandise, visit Oaklawn, headquarters for Percherons in America, and renowned for nearly fifty years as the greatest importing and breeding establishment in the world. Catalog shows the place and the horses.

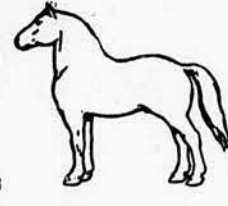
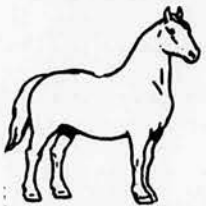
W. S., J. B., & B. DUNHAM, WAYNE, ILL.



Percheron Mares and Stallions Registered

Several matched teams of Percheron mares, all blacks, safe in foal by Imported Stallions. Have both imported and home bred mares. Come and see our horses and satisfy yourself.

Our Motto: Top notch animals, square deal, quick sales, small profits. Make your wants known.



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Percheron Stallions

I am offering an extra good lot of 2- and 3-year old Stallions for sale. Big drafty fellows with lots of bone. Also have a few mares for sale from yearlings to 8 years old.

R. F. D. 2. J. W. BARNHART, Butler, Mo.

BLUE RIBBON STOCK FARM

For sale, 20 head of registered Percheron mares. Safe in foal. Color, ages, weights and prices right. Call or write

LEE BROS., Harveyville, Kan. Farm joins town.



HOLLAND STOCK FARM

IMPORTERS AND BREEDERS OF Percheron and German Coach Stallions and Mares

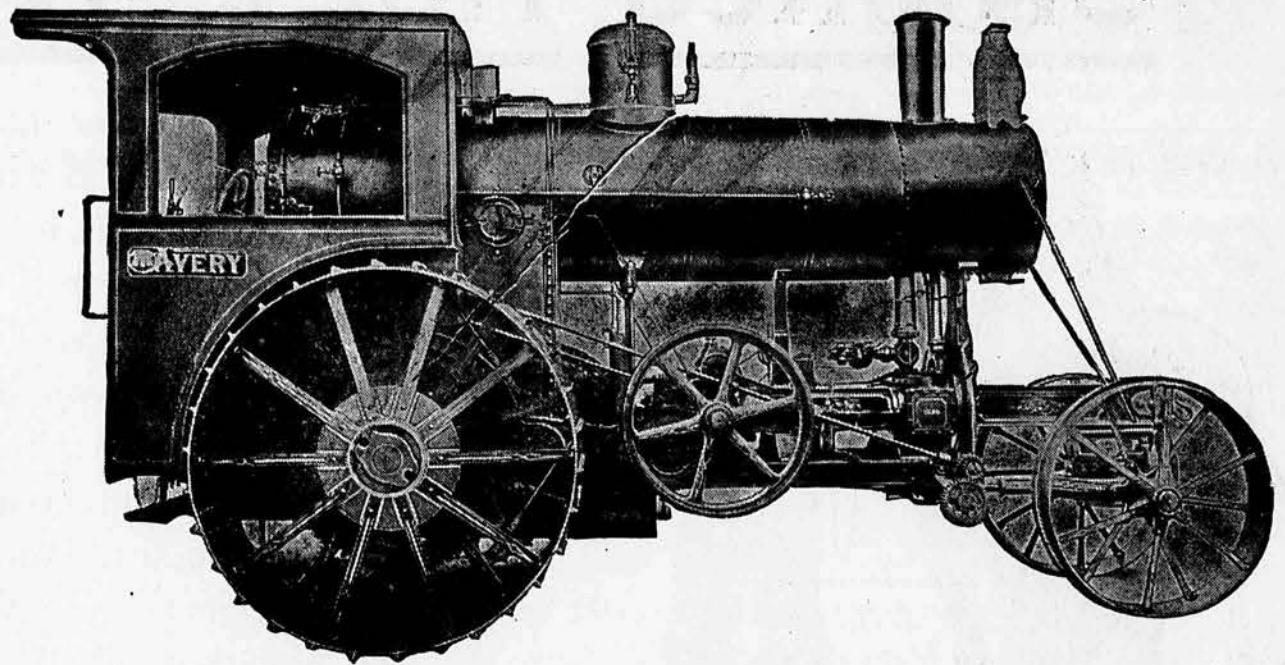
Do you want to buy a stallion for cash? Go to the Holland Stock Farm.

CHAS. HOLLAND, Pro 1, Springfield, Mo.

Investigate the Construction and Work of Avery Undermounted Engines

The Only Engine of Its Kind on the Market

Built Like a Railroad Locomotive



Did you know that although all railroad locomotives are now built of the Undermounted Design, that they were at first built Topmounted? That is, with the Cylinders mounted on Top of the Boiler and all other working parts bolted to it? Now, ask yourself this question: **Is there not as much reason why a Traction Engine, which is to be used for Pulling, should be Undermounted as that a Railroad Locomotive, which is to be used for Pulling, should be Undermounted?** The same principles apply in the construction of one as in the other. There is the same reason for relieving the Boiler of Pulling Strains in order to secure Greater Durability. There is the same reason for Mounting the Cylinders Low Down in order to secure Increased Pulling Power.

Because of these reasons the Avery Company decided to build an Undermounted Traction Engine as shown above. These Engines have been on the market for seven years. Hundreds have been sold and are in successful operation. The test of Actual Use, as well as the best principles of Engine Building, strongly prove the superiority of the Undermounted over the Topmounted Construction.

When you buy an Avery Undermounted Engine you get these four things:

First—You get an Engine with a Design Unequaled by any other for General Traction and Belt Work.

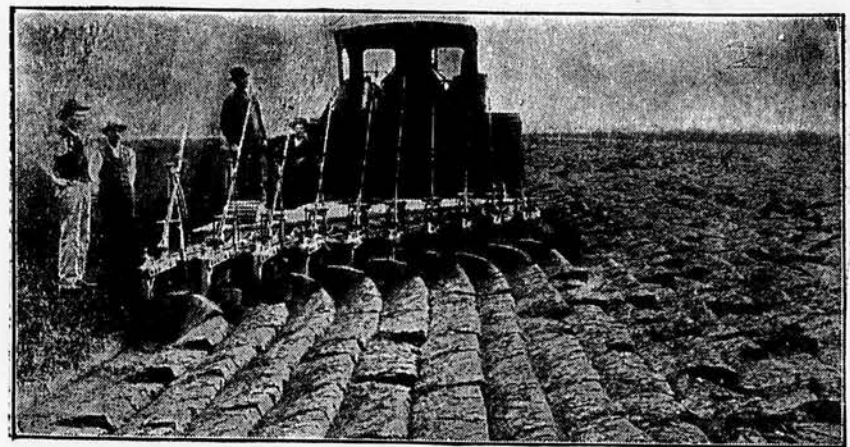
Second—You get an Engine costing less than one-half that of any other method of producing power, considering the horse power you get.

Third—You get Working Capacity proven by test to be twice that of any other method.

Fourth—You get an Engine costing much less for repairs and up-keep than any other, and this cannot be successfully disputed.

Avery Undermounted Engines are built in Five Sizes with Nominal Rated Horse Power of 18, 20, 22, 30 and 40-horse. The Actual Brake Horse Power is more than three times this amount.

Wood, Coal, Straw or CRUDE OIL can be used for Fuel.



In PLOWING, an Avery Undermounted Engine and Cockshutt-Avery Plow will turn the ground over at a less cost per acre, everything considered, than any other method, and we are prepared to establish this fact. The Cockshutt-Avery Plow Attachment is furnished in five sizes—5, 6, 8, 10 and 12 Gang, with Interchangeable Stubble or Breaker Bottoms. This plow has successfully met the toughest conditions in plowing.

For HAULING Purposes an Avery Undermounted Engine has shown itself able to reduce the cost of hauling by a large per cent. We also build a number of different styles of Special Traction Hauling Cars for use with this Engine.

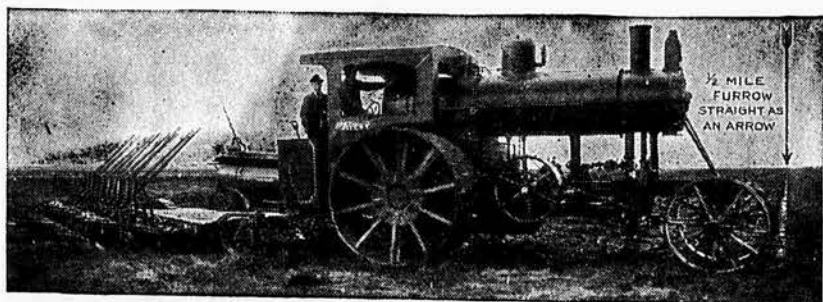
As a THRESHING Engine the Avery Undermounted Engine also has many advantages and, with our "Yellow Fellow" Separator, makes a Superior Threshing Outfit.

You should not place your order for an engine until you investigate the Undermounted Avery. Our new catalog, with illustrations of all sizes and complete detailed description, is ready for mailing. Get our catalog and learn more about the construction and work of Avery Undermounted Engines. Send a postal or a letter, at once, for our Free, 64-Page Engine, Thresher and Steam Plow Catalog or use the coupon below.



Gold Medal won by Avery 80-H.P. Undermounted Engine at the Brandon, Canada, Motor Contest. Sweepstakes Medal won by Avery 30-H. P. Undermounted Engine at Brandon, Can., Motor Contest. Silver Medal won by Avery 30-H. P. Undermounted Engine at the Brandon, Canada, Motor Contest. Bronze Medal won by Avery 30-H. P. Undermounted Engine at the Winnipeg, Canada, Motor Contest.

In Competitive Contests the Avery Undermounted Engine has also proven its superiority. This engine was entered in the Motor Contests last July at Winnipeg and Brandon. These were the greatest contests of their kind ever held on this Continent. Every Avery Engine entered won a medal, the 30-H. P. Undermounted Engine winning both the Gold Medal (first prize) and the Sweepstakes Medal, as well, in the Brandon Contest.



The Avery 30-H. P. Undermounted Engine and Cockshutt-Avery Plow also made the only Perfect Plowing Score at Winnipeg. The above illustration shows the outfit just after finishing the Plowing Test. Other manufacturers used the same plow attachment but it took the Undermounted Engine, coupled to this plow, to make a Perfect Plowing Score.

Avery Company, 289 Iowa St., Peoria, Illinois

(Check below to indicate machinery interested in)

Avery Company, 289 Iowa Street, Peoria, Illinois

Please send me your 64-page, Free Catalog of Engines, Threshers and Steam Plows. I am interested in—

<input type="checkbox"/> Plowing	<input type="checkbox"/> Road Building	<input type="checkbox"/> General Hauling	<input type="checkbox"/> Threshing	<input type="checkbox"/> Sawing	<input type="checkbox"/> General Belt Work
<input type="checkbox"/> 5 Gang	<input type="checkbox"/> 6 ..	<input type="checkbox"/> 8 ..	<input type="checkbox"/> 10 ..	<input type="checkbox"/> 12 ..	

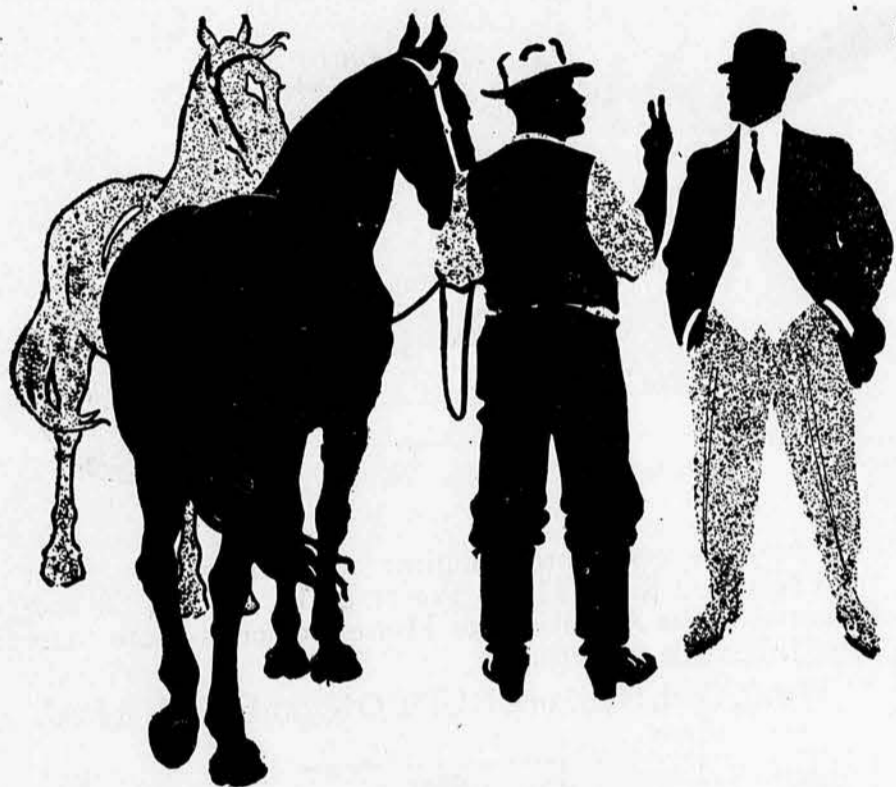
The Avery Undermounted Engine for **Cockshutt-Avery Plow** **Avery "Yellow Fellow" Separator**

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Beware the Tricks of Crooked Horse Dealers



Did you ever find a lemon in a horse's nose? How and why did it get there?

What was the meaning of the ears being tied together with a fine silken thread?

Perhaps you are half persuaded to buy a horse because you like his "ginger"? Are you sure it is health and high spirits, or IS it ginger—commercial ginger?

Are you sure you could tell the age of a horse by its teeth? Or would your experience be like that other man's, who paid \$3,500 for a 17-year-old horse, thinking he was buying a 7-year-old? The horse had been Bishoped.

Horse buying and trading offer hundreds of opportunities and temptations to use trickery and sharp practice. There is only one way to meet it.

Doped and Doctored Horses are Sold Every Day. Be on Your Guard!

"Horse Secrets" Will Protect You

—make you horse-wise and crook-proof, and save you from being cheated by dopes or tricks when buying, selling or trading. It exposes and makes you acquainted with the tricks, dark and devious ways, and crooked methods of gyps and a certain class of unscrupulous dealers. Many of the secrets of this book are now made public for the first time. No such collection of Horse Trading, Horse Buying, Horse Training, and Horse Feeding information has ever before been published. It is impossible even in this large space to give a complete list of the secrets in this sensational and instructive book. Some of the topics of greatest importance are:

Secrets of Hiding Blemishes Shutting a "heaver." Plugging a "roarer." Turpentine and Gasoline tricks. Unnerving and Cocaine tricks. Hiding a spavin. Side Bones. Concealing sinuses. "An eye for an eye." Examining the ears.	Secret Ways of Changing Appearance of Horse The tall trick. Making a star. Making black spots. Curing the broken crest. False measuring. Buying Tricks Diamond cut diamond. Making a horse act mean.	Selling Tricks The "widow" trick. Landing a sucker. The winter board trick. Secrets of Stopping Vicious Habits Stopping a switcher. Wedging a cribber.	Secrets of Hiding Age "Bishoping." Blowing Air under the skin. Tricky Sayings An honest horse dealer. A horse that was right there. A sharper's smooth sayings.	Secret Ways of Inducing Action Gingering. Getting high knee action. Keeping horse in the air. Loose shoe trick. Galloping past dodge. Keeping horse on edge.
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"Horse Secrets" has been prepared by Dr. A. S. Alexander, the famous veterinarian, who has had upwards of 25 years' experience in Horse-Breeding and Veterinary Science. He is the author of the first stallion service regulation and inspection regulation adopted and enforced in America. He is Professor of Veterinary Science at the University of Wisconsin. There is no more competent authority on horses anywhere.

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