

KANSAS FARMER

FOR THE IMPROVEMENT



OF THE FARM AND HOME

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THE BEST HOG TO RAISE

By C. W. LINGMAN
Clay Center, Kansas

Firstly: Have a definite idea of the kind of a hog you are trying to produce. Know what you think constitutes a good hog. I fear that here are many so called hog-breeders that have no more idea from year to year what their efforts will produce than though they were mixing two separate breeds.

No breeder ever accomplished anything either by flopping around, trying to follow the fads and fancies and notions of every other fellow. The first thing to do is to get clearly in mind what you think constitutes a good hog and what you want to produce. Then find a sow that as nearly as possible comes up to your model for a starter. Feed judiciously, watch the results of mating, keeping in mind at all times what you are trying to produce, and what it would look like if you saw it.

For my part I have never yet seen what I called a perfect hog. I do not recognize the so called large and small types. There are the right and the wrong, or the superior and inferior kinds of a hog, whether it be Berkshire, Duroc or Poland. Being a Poland China breeder, I naturally think the Poland the best hog on earth; but hog sense will apply to any breed.

I believe the Poland China sow, Perfect Tecumseh 12157, now owned by A. J. Erhart, Adrian, Mo., to be the best sow that I have ever seen. She comes nearer up to my standard than any I have ever been able to produce. This sow was farrowed in April, 1907. I will endeavor to give you a description of her as she was in March, 1910: Weight 692 pounds in good breeding condition. Length from between ears to root of tail 65 inches. Around body at heart 67 inches. Around body at flank 69 inches. Face slightly dishd, fairly short head. Back slightly arched and broad. Sides deep and free from wrinkles. Flank well let down; hams and shoulders about the same width. A good, straight belly line, and well defined teats. A good, straight leg set well out under each corner of body. Very active in getting around and possessing a quiet disposition.

Now take your tape line and scales and see how many sows you can find that will come up to the above weights and measurements. Keep on weighing and measuring. You will be surprised at how scarce they are, and when you do find one freeze onto her. You will have it well instilled into your mind what that kind of a sow will look like. Perfect Tecumseh was weighed and measured when she was two months in pig, which accounts for her greater body girth than length. I would not select a sow that measured more in girth than in length were she not in pig.

Upon the handling and feeding of a brood sow depends a great deal as to the success with which she will raise her pigs. At all times be quiet and kind to the sow. She should be thin in flesh when bred, as flesh will render her more difficult to get with pig and will also have a tendency to make the number of pigs in the litter fewer. From the time she is safe in pig she should be kept gaining in flesh until farrowing time. I want them fat but not corn fat, at farrowing time. Here are two ways in which I differ from many breeders, as to flesh in which the sow should be and the amount of bed-

ding she should have at the time to farrow.

A sow should have nothing but water 12 hours before and for 24 hours after farrowing. If she is fat she has reserve flesh to draw upon and consequently does not have a ravenous appetite and will remain more quietly in her nest than were she forced out by hunger.

Furthermore, she can be brought to full feed better without detriment to the pigs, as you do not have to over-feed the sow for the first three weeks in order to hold her up in flesh. It is my opinion that there are more pigs ruined in the first two or three weeks of their lives by over-feeding the sow than in any other way.

Now as to bedding at farrowing time: I believe in bedding the sow three or four days before time to farrow. I give her enough wheat straw to make about eight inches deep over the floor of an 8 by 8 stall. That gives her time to work it over thoroughly several times before farrowing and fixes it so that it is not necessary for

her to change the bedding in order to have a soft place to lie down. She is therefore not so likely to lie on the pigs as though she had only enough to make a nest when it was all piled up. If one levels the bedding just before the sow starts to pig she will seldom pile it again if there is sufficient amount to make her a soft bed without doing so.

As to the boar, it is a common saying that the boar is half the herd. I believe that a good boar is half the herd and a poor one is almost the whole herd, for a poor boar can certainly ruin a herd in a mighty short time. So one should be very careful in the selection of a boar, for he will have a part in the entire herd and if he is not a good individual and producer the breeder will soon come to grief.

Again I say, get well into your head what the hog that you are trying to produce should look like. Why do you give to a child learning to write a copy? Why so that it will know how a perfect letter will look. Cer-

tainly, and all the time that the child is trying to write that perfect letter is stamped upon his mind. So it is with the successful breeder. The image of his ideal hog should be clear and well defined. No guess work but weights and measurements. I have given a description of what I consider the best pair of hogs that I have ever seen.

After selecting the sow and the boar then much depends upon the care and the feed of the sow while she is pregnant, as well as the care of the pigs after they are farrowed. I prefer to breed the sow in the evening of the second day in heat then shut her away to herself until the same time the following day, when as a rule she will have gone out of heat. She should be kept to herself after breeding until she goes out of heat. By so doing she is more likely to conceive than if permitted to remain in the herd where she will fret. One service is sufficient. Gradually increase her feed until farrowing time, giving plenty of range for exercise. Feed either alfalfa hay or pasture of some kind. A couple of ears of corn night and morning, with a shorts sloop at noon. In cold weather the water with which the slop is made should be warmed. I do not believe in cooking the feed but like the water from which the slop is made warm in extreme cold weather as otherwise they will not drink a sufficient amount. I have found that quite a quantity of liquid is essential to a hog's welfare and health.

Awile before farrowing time let up on the corn, and lighten up on other feed, shutting off everything but warm water for 36 hours at farrowing time. Then begin very lightly with a little shorts in the water. Increase gradually, taking about three weeks to bring her back to full feed.

Up to this time one must be governed quite a bit by the way the pigs are doing. It is better to under-feed than to over-feed for the first three or four weeks. See that the pigs take plenty of exercise, and have a dry place to sleep. At four weeks the pigs will begin to eat, at which time they should be provided with a creep and a trough so that they can be fed away from the sow. By the time that they are 10 weeks old the sow can be taken away from them and they will scarcely miss her. In weaning pigs the sow should always be taken away from the pigs, leaving them in their accustomed quarters. Feed the sow nothing but a little dry corn and water for a couple of days before and after taking her away from the pigs. By doing this she will dry up all right with no danger of caked udder.

The pigs should be brought on in good growing condition on good grass pasture, shorts sloop and a very little corn until they are five months old, at which time they will stand the corn diet if you are feeding for pork. If you are raising for breeding purposes feed but little corn. Do not feed too heavy the first four or five months of their lives, just keep them coming and looking well. See that they have plenty of good shade pasture and good fresh water.

Keep in mind all the time what your ideal hog should look like and when you find one hang on to it for breeding purposes. Never lose sight of your model.

PART OF THE WAY TO GOOD CROPS



IT'S BETTER TO KEEP
MOISTURE IN THE SOIL
THAN TO WISH IT WAS
THERE WHEN IT'S GONE

- 1- DISC
- 2- PLOW DEEP
- 3- HARROW OFTEN
- 4- KEEP DOWN WEEDS
- 5- SURFACE CULTIVATION

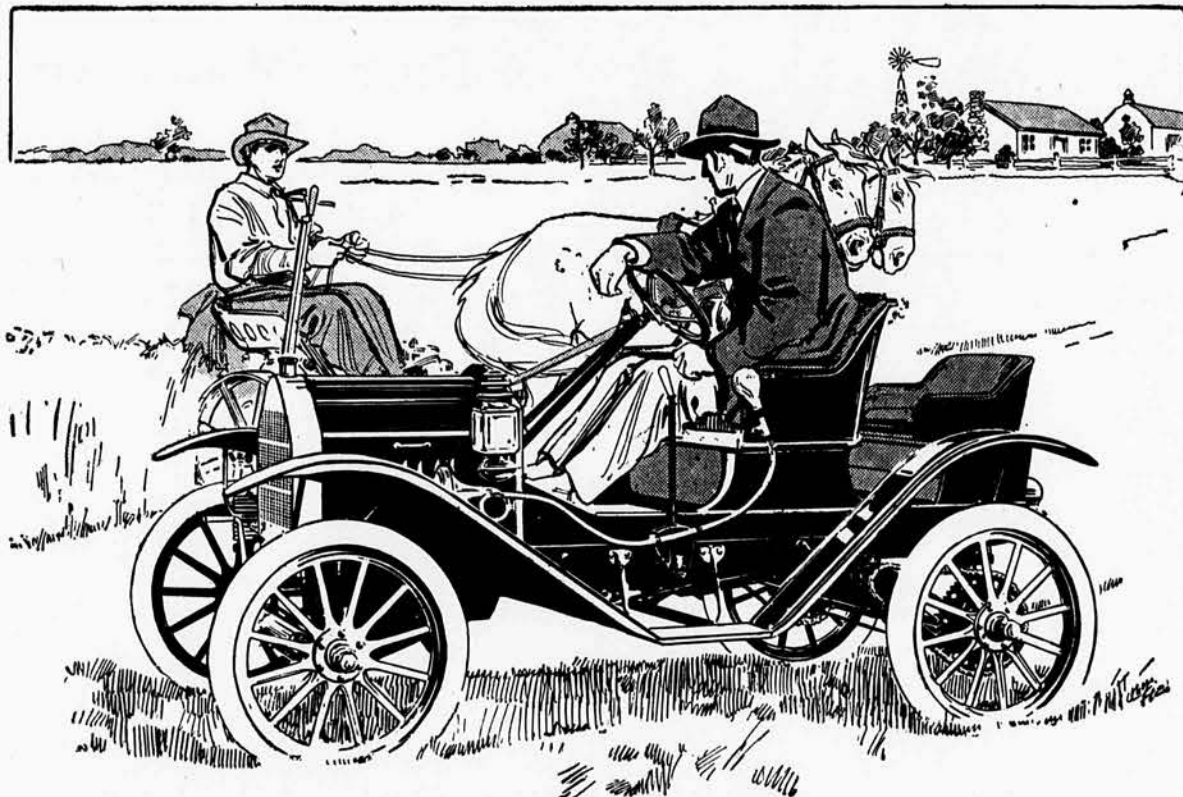


E. J. Reid

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Brush Runabout Company, 474 Baltimore Avenue Detroit Mich.

Upholds Stallion Law.

I notice you uphold the stallion law which is all in favor of the importer as they can ship in any old scrub into the state free and the farmer is taxed for their benefit.—G. B., Scranton, Kan.

Certainly the KANSAS FARMER upholds the stallion law just as it upholds every other law. This is not because the stallion law is perfect or

need of amendment, it is better than satisfactory but because it is a law, and it is the duty of every citizen to uphold it so long as it remains upon the statute books.

Our correspondent is entirely mistaken in his assumption that the present law is "all in favor of the importers as they can ship in any old scrub and the farmer is taxed for their benefit." The law was intended to do exactly the opposite thing and while it is far from perfect and is much in

any stallion law Kansas has had before. The full text of this law was published on page 8 of the March 12 issue of the KANSAS FARMER, and we invite a careful reading of this law again so that all of our readers may make suggestions as to needed changes, if any are needed, and help to secure them at the next meeting of the Legislature.

One owner (name on request) has gotten as high as 41.2 miles on one gallon. From all the testimony and evidence at hand, we are safe in saying 25 miles per gallon is a fair average of the amount consumed by any BRUSH RUNABOUT. When you buy gasoline by the barrel, as every sensible owner does, it will cost you about 11 cents a gallon. As for oil, the BRUSH uses so little that it is hardly worth considering.

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Looks

There is nothing freakish about the car, nothing cheap looking. True, it is not as big as a \$6,000 car, but it has as good lines as any car built. Thousands of BRUSH cars are being sold in the large cities to people who could afford to pay a much higher price if necessary. But the higher price will not buy as much handiness, as much economy, or any more in looks.

The farmer using several horses should seriously consider the BRUSH from the standpoint of an investment. It is a dollars and cents proposition. A little figuring as to the cost of keeping an extra horse compared with the dozens and dozens of things you can do with a BRUSH that you could not do with a horse will astonish you.

Good Bee Journal.

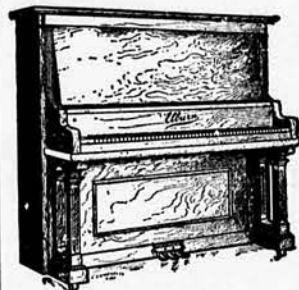
In a recent Kansas Farmer I read an interesting article on bees by you. I note you give a number of reasons why people have been unsuccessful in their attempts at bee-keeping. I am sure I do not want to be among the unsuccessful ones and I am anxious to learn of some good bee journal so I can study the right way to care for the busy little creatures.

Can you give me the name of such a journal? And where I shall send for it?—L. S., Neosho, Mo.

The best journal on bees for the beginner is the "American Bee Journal." It can be had by sending to George W. York & Co., 146 W. Superior St., Chicago, Ill., or to the editor of this department.

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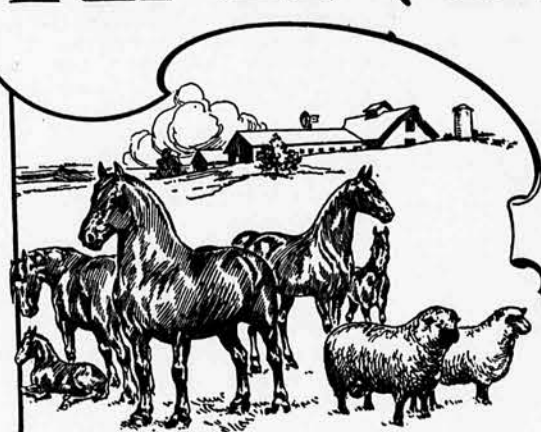
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KANSAS FARMER



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Draft Horses As Farm Motors

By H. G. McMillan, Rock Rapids, Iowa

Breed the kind that Furnish Abundant Power

I want to discuss the question of having everything on your farm, whether it be your corn, your oats, your grass, your cattle, your hogs or your sheep, or whatever you raise, and your horses of the best possible quality that you can produce. Raise the kind that answers your purpose well on the farm, and then when it is put on the market it will bring you a higher price and make you the best profit. I am not urging every farmer to raise draft horses. There are some men that are better cattle men as they naturally like cattle. There are other men that succeed exceedingly well with hogs and sheep. Some men naturally like horses. A man who is naturally adapted to the raising of cattle should make that his business, and so on through. But every man must keep horses. It does not make any difference whether he likes horses or not; he must have horses. It doesn't make any difference whether you are a celt raiser in the ordinary sense, you must have horses—must have the necessary horses on that farm to do the work. While there has been a great improvement all over this western country in the cattle and the hogs, nearly every farmer having good hogs and good, high grade cattle at least, and farmers who have been handling sheep generally have good sheep, but as a rule it seems to me that the horses have not been given the attention they deserve. The average farmer does not have very good horses. I have no quarrel with any man who has different horses from ours. But when a farmer goes into the driving horse business naturally his credit at the bank is shaky. That is my general observation, although I have known a few cases where the man on the farm made a success of the driving horse. But the average farmer raises draft horses. It is the kind he needs to do his work. It may be convenient to have a second team, a lighter one for the carriage. But I believe you would be better off to buy them than to raise them. The kind to raise should be the kind to work, and the kind to bring money when you sell them.

You will find, I know, that from now on, at least, you will have to do better farming on your farms. You will have to cultivate your soil deeper and you will have to go over it oftener and the tendency is to have large machines so that you can have large yields. Your ploughs will be bigger, and you will plough deeper. Your drags will be bigger. This is true of all the teaming business in the city. The tendency is to have more weight behind the horses. The highest priced thing that is on the market today is manual labor. Wages of men are becoming higher all the time, and the man who carries freight along the

streets in the city has learned that it is merely a matter of power, and if a man has a big enough wagon one man can drive three horses as well as one. And the same rule applies to the size of horses. If you have a draft horse weighing 1,300 pounds you cannot pull as big a machine as with horses weighing seventeen or eighteen hundred pounds. In saving expenses on the farm the natural thing to do is to get big, heavy horses, as heavy as you can raise. Some men say that a pair of mares weighing 1,300 pounds will make a

even for his own work on the farm, to have good, big heavy horses. And when I speak of draft horses, I may say that I mean horses weighing from 1,600 pounds to a ton. Horses of that weight may be classed as draft horses. You don't need to be afraid of getting them too big. If you start to raising horses weighing a ton you need not be afraid about all being that big. There will be plenty that are not big. There is a good deal of misunderstanding as to the actual weight of draft horses. On some particular scales they will weigh a ton, but if

that will weigh 2,100 pounds—nearly 2,200, but I have never seen but two that will weigh over 2,200 pounds, and I have been in the business a good many years. Once we were showing our horses at the Minnesota State Fair. Our chairman very kindly referred to Calypso. This time there were 22 in a large class, and Calypso was standing at the head. Some man inquired as to the weight of the different horses. The owner of the first said that his horse weighed 2,000 pounds, the next 2,100, the next 2,110 and so on. Anybody could see that Calypso was the biggest horse in the line from the real standpoint of breadth, length etc. He weighed 1,960 pounds when we shipped him from home. This gives you an idea of the manner in which these weights are usually estimated.

I will undertake to give you a few simple rules to go by in the selection of breeding stock. In all my experience of the last thirty years I have acquired a good many rules. I have found from my experience and observation that if you will observe a few simple rules you will not be misled very much in your selection. You must keep in mind what he is for. He is not to be cut up into steaks and roasts like the steer. He is an animal of strength. In other words, he is a steam engine on a small scale. His duty is to draw a load and pull heavy weights. And, as long as that is true, you can see the importance of size. Here weight alone helps to move the load. A horse that weighs a ton moves a load easier than the eighteen hundred pound horse. Being in the nature of a machine, to do the best work he must be properly proportioned—he must be balanced. The most important thing in any draft horse is his legs, that is where you get the endurance, and then his feet must be good. Look out for his feet and legs. That is where he gets his power. And you want the legs under the corners, like a table. Build a horse and a table in the same way. You will be surprised if you will take the time to look at the different shapes of horses' legs. The legs come down to strike the ground and they are straight; and so you have the essentials to start with. But the horses' legs may turn out at the bottom. Or he may be knock-kneed, or he may spread at the knees and the feet bend in, or his front legs may set too far apart, or too far back. I might go on to enumerate other positions of the feet and legs that are bad, but there is one thing I have noticed; you take a horse with the legs squarely under the corners and nine times out of ten he has a sloping shoulder and a short back. Buying one for breeding purposes, I would not buy a long back at any price. While we have a number of laws governing the purchase of horses, I

(Continued on page 17.)



fine farm team and do any work. They are a good team and will do many kinds of work as well as a heavier team, but there are many kinds of work that big mares would do a great deal better than a light team. A big team will pull a plough along all day, steadier and stronger than a small team. But it seems to me that it is important and it is business sense and economy for the farmer,

weighed on right scales they do not seem to weigh that way again.

I want to tell you for your information that I have been at the leading places of the United States where they sell horses, and I have seen quite a number of the heaviest horses weighed, and I have not seen many horses that actually weighed over a ton. There are a good many that will weigh a ton. There are a few



KANSAS FARMER

EDITORIAL



Some people trust to luck, and many people speak of it when they really do not believe in it. Luck in farming is not in it with good seed, good culture, and good farmers. The best luck is simply hard work.

If you have no clover or alfalfa pasture try a little patch of rape this spring. The Dwarf Essex is perhaps the best and is a great deal cheaper than mill feed or ground grain. It is the natural thing for farm animals to thrive upon green pastures and hogs do especially well on rape.

Pasture and hay crops are so easily grown and so profitable that it is not an unusual thing to find breeders of pure bred live stock who seed practically their whole farms to grass or alfalfa and buy the grain necessary for feeding. One very successful breeder reports that his only difficulty in maintaining alfalfa fields lies in the fact that the blue grass gradually kills it out. This is the only reason he gives for plowing up his alfalfa fields as he states that otherwise he would never need to plow them up. There is no question about the enriching effect of grasses and clovers on worn farm land. For quick results in refreshing such land a crop of cow-peas sown in the corn field after the last cultivation brings best returns and is an excellent means of preparing the land for seeding to alfalfa.

HOLLOW CEMENT POSTS.

Many people are impressed with the value of cement posts for fencing, grape vine trellises or clothes line poles. When properly built they are practically everlasting and are much more uniform and satisfactory in appearance than the ordinary posts so used. Concrete posts may be built either solid or hollow but in either case must be reinforced. The solid posts are heavier to handle, require more material and are no stronger than are the hollow ones. It is an easy matter to build a hollow concrete post if one knows how. The outer form is built of boards nailed together in box shape so that the inner surface will correspond in size and shape to the outer surface of the post. A thin layer of rather rich concrete is laid in the bottom of the form then the reinforcing rods, which are generally made of No. 10 fence wire twisted in strands of two or three, are laid near the corners. Over this is tamped more concrete until the height corresponds to the position of the reinforcing rods first placed. Two other rods are then put in position and concrete tamped in to fill the box. After seasoning for two days the post may be laid away in the shade to harden though it should be kept wet for a couple of weeks. If it is desired to build hollow posts select a stick of wood one inch square and the length of the post for the center of the core. On each side of this lay a "half-round" of the proper dimensions and build the cement around the core. The advantage of this combination lies in the fact that the central square stick can be easily removed and this will loosen the half rounds which may then be taken out and used in other posts. This is a little knack that is well worth trying.

A PRACTICAL EDUCATION.

"Education is a thing which must grow with civilization. It has grown but it has not kept up with the progress in other lines. The church is in the same situation. It has lost a part of its hold on the people. The churches in the villages are antiquated. They have not kept abreast of the times. But I hope and believe that it will be only a matter of a short time until the question will be solved and they will be adjusted to present conditions. Education must be made more useful and practical. Germany's progress is due to the industrial education in that great country. Industrial matters are taught through all of the schools. The child has it with him from the beginning and the results in Germany are evident when that country is compared to England, which has held to the old traditions. The high school must continue to

With which is combined FARMERS ADVOCATE. Established 1877.
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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 evidence of good faith. Address all communications to
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be the people's college. The real work of the technical and industrial nature must be done in the high schools. Whether those schools shall be independent or whether the present high schools shall be industrialized I cannot say. I prefer the latter. Industrial courses will in time be taught in the graded schools and even in the rural schools. They will furnish the rudiments and the great agricultural colleges will finish the students. When courses of that nature are taught in the grades you will need no truant officer. The boy and the girl will be interested and when interest comes all thoughts of truancy vanish. It was formerly the diplomat and the legislator who controlled the destiny of nations. Now it is the man who produces. He holds the world in his hand. He controls the bread and the food supply."—Pres. H. J. Waters

CITY OR COUNTRY.

There is something radically wrong with the city when it fails to produce the men who carry on its business. The heads of practically all of the big business and manufacturing establishments are from the country or are the sons of farmers. The cities either do not produce capable men or else they deteriorate rapidly. What counts in this world are the men and women and history teaches that these are best developed on the farm and under country conditions. After we leave this earth our money will count for little. Most of us will have little to leave, and none of us will have an amount that will compare in value to the record of a well spent life.

In the country, as in the city, the beautiful has its value in life building as well as in money grubbing. The home is more than four walls and a roof. Pretentious buildings are sought by those with the means to gratify their ambitions and are desired by others and yet the smaller home beautified with grass, flowers and trees is the better place to live. Beautiful things should be a part of life and most women desire them and strive for them. Men fail to appreciate them in the same way unless they have a money value. Men enjoy beautiful things and generally admit that they would like to possess them, but their sense of beauty is not so highly developed as to make them strive for them for their own sakes. The women of the farm home are generally willing to find time in their crowded lives to look after the flower beds, but these are ineffective and unsatisfactory unless they are displayed with a well cared lawn, and proper plantations of shrubs and trees. It costs comparatively little time each year to care for the home grounds on the farm, and the satisfaction derived from the results obtained is big pay for such expenditure.

PLANT TREES AROUND YOUR STOCK PONDS.

Too often the practical farmer feels that he does not have time for anything except the routine work of his farm and that he cannot afford to devote attention to anything but those features which have the most utilitarian value. A man living on high priced land will not spend his time in attempts to beautify his premises unless he can be made to see that it will pay him to do so. It has been demonstrated over and over again that beauty has a money value when applied to the farm home. This is shown in many ways and these ways extend even to the improvement of the public highway in front of his home.

One of the minor ways in which beauty can be combined with utility is to be found in the idea of planting suitable trees around the stock ponds. This involves some labor and trouble. It means the building of a fence around these ponds for the protection of the young trees and to permit of their being cultivated. It means the restriction of the live stock from the vicinity of the pond for a time but the ultimate results will pay. If a space of ground one rod or more in width is fenced off around each pond, and this enclosed ground planted to suitable trees, it will be found to be a profit making enterprise as well as a beautifier for the farm. If the trees are of the right quality they will produce wood or nuts or both. They will afford shade for the cattle during the hot noon hours of the summer, and will be more or less of a wind break in the winter. They will prevent evaporation from the pond and so conserve its water supply while their roots and fallen leaves will prevent wash on the hill sides which slope toward the pond.

If the banks are high so as to afford drainage almost any tree suitable for this climate will grow and thrive in such a locality, and from them may be derived useful wood or fence posts as they are thinned with the ax when necessary. One farmer in the vicinity of Topeka has planted groves on each hill top that exists on his farm for the double purpose of affording shade to his stock and of growing fence posts. Catalpa speciosa is his favorite tree. With well drained ground this same species will thrive in the vicinity of the pond and will produce a money value in a very short time. At any rate the small amount of labor and expense involved in planting trees around the stock ponds will be well worth all it costs.

NECESSITY OF COLD STORAGE.

In placing the responsibility for the high cost of living the cold storage has been criticised. The storage of perishable products is not only of ad-

vantage to consumer and producer, but has in fact become a necessity; that is if we would preserve the perishable products of plenty against the time of scarcity.

The housewife has long recognized this law in the preservation of fruits by cooking and then sealing in airtight vessels and for centuries the farmer has had practical cold storage when he has buried his apples, potatoes, and other vegetables in the ground and covered them over with straw and loose earth, to keep them from freezing.

The refrigerator of the home has long been a necessity to the housewife. Circumscribed and inadequate as it often is, nevertheless the residence refrigerator does on a small scale what cold storage houses do perfectly on a large scale.

Before cold storage facilities were available, during the time of plenty, prices were extremely low to the producer. Conversely during the season of scarcity, prices rose rapidly and were extremely high to the consumer. Many classes of perishable products were not procurable even at extreme prices.

The cold storage warehouse acts as a balance. It insures that a fair supply of the products of plenty, produced in their seasons, shall be available throughout the year. It materially lessens the extremes between the former minimum and maximum selling prices, which is a decided advantage to both producer and consumer.

The time for marketing any stored product is governed by the requirements of the consumer. That is, produce, fruits and certain vegetables are usually taken out of storage during the cold months, when nature is dormant, just as they are placed in cold storage during the summer and fall, when nature is prolific. These seasons are as well defined as are the seasons of the dry goods business, whose merchants sell summer fabrics in spring and summer and winter fabrics in the fall and winter, although the time for manufacturing may be, and generally is, in opposite seasons.

Cold storage may be classed as public utility concerns and common carriers. As a rule, they do not own, therefore neither buy nor sell, the product handled. Cold storage places are warehouses whose facilities are at the command of all who have perishable products to preserve or store.

The rates of storage are uniform to all. No distinction whatever is made, and any one who wishes to do so has the privilege to buy and store during the season of plenty that he may sell or consume in the time of scarcity.

THE UNIVERSAL INTEREST IN GOOD ROADS.

Last fall B. F. Yoakum, chairman of the executive committee of the Rock Island-Frisco lines, gave an address before the Farmers' Union of Oklahoma in which he said: "There is no work more important than to build public roads in such a manner that they will be permanent and economical in maintenance. Otherwise, the money expended would be largely wasted. The question of improving our public roads in the most economical and substantial manner is one to which I attach much importance. Their construction for permanency and economy of maintenance is of immense value."

President Yoakum then invited the president of the Farmers' Union and one other delegate from each of the states of Oklahoma, Texas, Arkansas and Louisiana to make a trip throughout the eastern states for the purpose of inspecting results obtained through the expenditure of public funds in the building of permanent roads. The invitation was accepted and an inspection tour was made through New Jersey, New Hampshire, New York, Massachusetts, Rhode Island and Connecticut. The results of this tour of inspection are embodied in a very beautiful little book of 150 pages, which makes mighty interesting reading. Some of the things pointed out are that the average cost of hauling one ton of farm produce one mile in the United States is 23 cents while a similar service on European highways costs only 8 cents. If the Uni-

ted States had as good roads as has Europe the saving in transportation of farm produce would amount to \$250,000,000 per year. The United States has 2,155,000 miles of road on which there is spent each year about \$90,000,000. Practically all of this is wasted as the work has to be done over again each year. No class of people are affected to a greater extent than the farmers, either by a bad road or an improved highway. The one is a pickpocket, the other is an interest drawing and ever increasing bank account. The Department of Agriculture states that it costs 3.8 cents per bushel to transport wheat from New York to Liverpool but it costs the American farmer 5.4 cents per bushel to haul his wheat over the average of 9.4 miles from the farm to the railroad station. The cost of this hauling from the farm to the railroad station is nearly double what it costs to haul across the Atlantic ocean. The ocean is an open highway at all seasons of the year, while the farmer is compelled to haul his wheat while the roads are good, and while every other farmer is doing the same, and thus he reduces the price on his own product by causing a glut in the market and a congestion of railroad traffic. At other seasons, when the price on his products would be equalized by their regular delivery to the consumer, the farmer is unable to sell his products because he can not deliver them on account of bad roads.

FOR THE BOYS AND GIRLS.

Kansas is well in the lead in the great movement of interesting the boys and girls of the country in the study of agriculture and domestic science in the homes. To further promote an interest in the great movement of home education, the college extension department of the Agricultural College carries on each year a number of contests for boys and girls in connection with its institute work.

For the boys there are corn contests, garden contests and potato contests. For the girls are contests in breadmaking, fruit-canning, jelly-making, sewing and needle work.

The county school superintendents are showing an unusual amount of interest in the work and it is well they do, for it is a branch of education worthy of recognition. Many of the superintendents are "contest secretaries" and through the aid of the force of teachers under them are enrolling a large percentage of students. Already in Linn county so many have enrolled for the 1910 contests that the local institutes are considerably bothered as to where to locate enough prizes. In one of the districts in Ottawa county (all boys and girls between the ages of 10 and 21 are enrolled).

In the corn contests the contestants are divided into three different classes in order to give the boys of different ages an equal chance. For the boys 10 to 15 cash prizes are recommended for the best 10 ears of corn, but for the 15 to 21 class, a trip to the State Farmers' Institute at Manhattan in December is given. Generally most of the institutes get some public spirited men to send boys to these institutes as a prize for the county winners. In some places the Commercial Club sends several boys, as is the case at Junction City. The Commercial Club at that place has for the last three years sent from 12 to 20 boys to the December meeting to each meeting. In one county there are 11 banks and three years ago each bank sent one boy to the State Institute as a prize for his winning in the county contest.

Contests in breadmaking, fruit canning, jelly making, etc., are offered for the girls who are inclined toward cookery and a contest in sewing, plain and fancy for those who excel in needle work. The contestants are divided into two classes of the age of 10 to 14 and 14 to 20. In many cases the winners of the county contests are sent to the State Institute at Manhattan where they can enroll in a domestic science work for a week.

Last year there were 5,000 boys and girls enrolled in this work. Special bulletins have been prepared for distribution and these boys and girls are also supplied with government bulletins along the lines of the contest in which they are enrolled. A special number of agricultural education is now being sent out and will be mailed to any one upon receipt of application.

IN THE GREAT AMERICAN DESERT.

It is stated in dispatches published in the daily press, that eastern insurance companies are becoming alarmed at the high price of farm lands in Kansas, and in the west generally, and that they will restrict loans in this region. There is no cause for this alarm, and perhaps it does not really exist.

The price of good farm lands in Kansas is not too high, and it will soon be much higher. The reasons are evident. The consumers of agricultural products are increasing faster than these products. There is a world-wide shortage of food stuffs. With the taking up of practically all the agricultural lands of the west, the opening of new productive areas is at an end.

It is true that the west has not by any means reached its limit of production, but future increase must come mostly from improved methods of farming, which may, to a certain extent, increase the cost. But under no circumstances can any increase in production keep pace with consumption.

The price of manufacture is, and for many years has been, decreasing, and this condition must continue as the population of the world becomes more dense, and as methods of manufacturing improve. As there will be more hands to manufacture articles of necessity, so there will be more mouths to feed, with no land to be added upon which to grow food.

There is another element in the problem. Much wheat is now produced on land which cannot be adapted to diversified farming. These wheat lands will, in time, become exhausted, and it will be impossible to restore their fertility by crop rotation; that can only be done, if at all, by the use of costly commercial fertilizers. Happily, this is not true of Kansas. No other state can produce more diversified crops. Its lands, with intelligent, but inexpensive treatment, ought to increase in fertility from year to year.

Westward the course of empire has taken its way. The west feeds the east. It is accumulating wealth and financial power by rapid strides. It will soon dominate the country in every material way. It is a land of tremendous possibilities; and Kansas is one of its most potential factors.

The power of the west does not lie wholly in its agricultural resources. Its manufactures are making a steady and successful growth. It can easily become independent of the east, but the east must always depend upon the west for its bread and meat, and upon the south for its cotton, and upon both for a market for its manufactures. Kansas, so recently a part of the Great American Desert, and still more recently in bondage to the eastern money-lenders, has come to her own. She has the resources and the productive energy to make a great and wealthy state. The eastern insurance companies here find their richest harvest. They will not forsake us.

Mr. Rees Hillis, junior entomology student, has been employed by the Extension department of the Agricultural College to engage in demonstration spraying work and has established his headquarters at Parker. If the season is favorable he will continue this work all spring and summer.

A Cheap Way To Insure Healthy Hogs

You believe in insurance,—don't you? In fact, you are paying out your "good money" right now to protect your "bad" barn and other buildings from loss by fire, because you wouldn't feel safe for even a day without such insurance.

Are your hogs insured? If not, why not? We don't mean fire insurance, but life insurance—"Merry War" Lye insurance—which will keep your hogs always fat and healthy and insures your getting them to market in prime condition to bring top prices.

How To Prevent And Cure Worms and Cholera

Here's a simple, sure, safe way to keep your drove in a perfectly healthy condition and render them immune to contagious diseases:

Tablespoonful "Merry War" Lye mixed with slop for ten hogs, or one-half can with barrel of swill for larger quantity. Stir well, feed night and morning.

Do this, and no matter how sick your hogs may be, in a few days you will see a marked improvement. "Merry War" Lye cleanses the system, tones the digestive organs, makes sick hogs well and insures your pork profits.

Take No Chances!

The time to act is NOW, before worms, cholera and other hog troubles get in their work. It will be too late when Mr. Hog slinks off into some corner, gives a feeble grunt, stiffens out his legs and passes away.

That kind of a dead hog will never fatten your bank account. What you

want is prime hams and bacon—not soap fat! So, take no chances, but insure your porkers against an untimely death by taking out a "Merry War" Lye Policy. And do it today. Don't delay!

The Cost Is A Trifle

"Merry War" Lye is the least expensive as well as the best protection against hog losses ever discovered.

Its action is sure, and the cost for constantly keeping your drove in prime condition is so small that you will hardly notice it.

A fair trial will convince you beyond all doubt that "Merry War" Lye will do everything that its thousands of Farmer Friends over the country claim for it.

Ask Your Dealer For "Merry War" Lye

While most up-to-date dealers handle "Merry War" Lye, some dealers may offer you some other brand. If so, don't accept it, but explain to the dealer that while there are brands of Lye that are good for certain uses, yet there is only one kind—"Merry War" Lye—that is safe and specially prepared for use in preventing and curing sick hogs.

So if your Dealer can't supply you, write us and we will give you the name of one who can; and will also send you a valuable book on "HOW TO GET THE BIGGEST PROFITS FROM HOG RAISING." Send for this book today.

"Merry War" Lye comes in 10c cans, or 24 for \$2.00, at Grocers' or Druggists'. Accept no substitute.

E. Myers Lye Co., Dept. 12 St. Louis, Mo.

Billions of Dead Chicken Lice This Morning!

Billions upon billions of chicken lice lay dead and lifeless in hen houses this morning! It happens every morning. For people are fighting to the death these gruesome, filthy pests that worry, weaken and kill chickens and rob their owners of nearly half of their rightful poultry profits. You have either got to "get" the chicken lice or they will "get" your chickens!

Now, which will you yourself do—raise poor, skinny, tortured chickens and let lots of good money slip through your fingers, or—spend a few nickels right now and wipe these pestiferous chicken lice off the face of the earth? Declare war on them today! Decide now to exterminate them!

All you have to do is get Whittier's Red Label Lice Killer. It comes cheap at any drug store. A nickel's worth, ready for use, makes a whole gallon! You get it in 35c, 60c, or \$1.00 quantities. No trouble to apply, and it knocks every last louse. Of the billions of lice killed every night, nine-tenths are victims of Whittier's Red Label Lice Killer. It's the best Lice Killer. Dr. H. J. WHITTIER, PRES., MOORE CHEMICAL & MFG. CO., S. W. BLVD., KANSAS CITY, MO.

Whittier's Red Label Lice Killer is not only sure death to chicken pests, but it is an antiseptic and a preventive of roup, cholera and other deadly diseases. Painted on roosts and dropping boards, the fumes kill all vermin. So—don't let anybody talk you into using something else in place of Whittier's Red Label Lice Killer. You try this king of louse killers for yourself. A barrel of it wouldn't hurt your chickens, and if it doesn't kill the lice, you bring back the empty can and your dealer will hand your money back. You can't lose one penny, and you can kill those chicken lice.

Get Whittier's Red Label Lice Killer the next time you pass a drug store. A day's delay means tens of thousands of hungry young lice born. So get after them now!

Dr. Whittier's Free Book on Caring for Poultry and Doubling Profits can be had for the asking. What is your name—your address? We want to send you a copy.

When you want a good antiseptic dip for hogs, cattle, sheep, etc., ask your druggist or hardware dealer for Car-Sul. He sells lots of it every day.

The Most Sacred Spot



In any community is the last resting place of loved ones, and if only as a mark of respect it should be fittingly kept and made proof against desecration.

Cyclone Cemetery Fence and Gates

are designed to harmonize with and beautify the old burying grounds. They last for years, are stock proof and much cheaper than wooden fences. Write for our fine, free illustrated catalogue. Address:

CYCLONE FENCE CO., Dept. 131, Waukegan, Illinois.

Lightning Is Conquered!

All 1910 Shinn Heavy Pure Copper Cable Lightning Rods possess greatest possible electrical carrying power! This is accomplished by the Shinn special process, known to no other manufacturer in the world! Absolute protection for your buildings can be secured only by equipping them with

Shinn Heavy Pure Copper Cable Lightning Rods!

Don't wait until the storm threatens—go to your dealer today for

Lightning Arrester for Telephones

Here is absolute protection to telephone users. No shock possible. Protects against lightning running in over long distance on the telephone wire—protects against every form of lightning. Saves telephones, avoids fires, and guarantees not to interfere with the strength of the telephone. Protects forever! Is automatic.

Go to your dealer today and get a full equipment of these wonderful rods. Their cost is so low for you to be without them. It is the rod backed by the judgment of thousands of American farmers! See its 3-cable strength! And the wonderful little giant copper cable in the center that bulks the bolts! The biggest bolt that ever wrecked a building is absolutely harmless to you when Shinn Rods guard your home and buildings!

\$75,000.00 Bond Stands Back of Guarantee!

W. C. Shinn's legally binding guarantee, which you get as soon as the rods are up, insures you the return of your money by the "making good" feature of the guarantee. And that guarantee is backed by Mr. Shinn's \$75,000 bond! The bond guarantees to you that every promise and guarantee in this ad or any other Shinn ad will be fulfilled to the letter. \$75,000 is deposited in the bank to vouch for every guarantee.

Just have the dealer attach it to the telephone.

Thunderstorm Machine

Shinn's Wonderful Thunderstorm Machine shows just why your buildings should be rodged with Shinn Rods. If your dealer has none, write us—a postal will do. State your dealer's name and we'll write you by return mail, telling where you can see this wonderful lightning producer in action.

Here's the Wonder Book Free!

A postal will bring you Mr. Shinn's own masterpiece—"Lightning and How to Control It"—the most wonderfully fascinating book ever written on Nature's lightning laws. It tells how protection can be secured easily at low cost; how houses and barns take fire; how people and stock perish, and about household articles that attract lightning bolts. This book will be given to every reader of this paper for the asking. Better send that postal today. Address

W. C. SHINN, 361 N. 16th St., Lincoln, Neb.

READERS MARKET PLACE

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—RELIABLE FARM HAND: single, good wages to the right man; state wages in first letter. A. Drummond, Hymer, Kan.

WANTED—LOCAL MEN TO TAKE ORDERS for high grade western grown nursery stock. Experience unnecessary. Outfit free. Cash weekly. National Nurseries, Lawrence, 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—AN ALL-ROUND BLACK-SMITH. Must be a good worker, will pay good wages or work on commission. Would sell same; good shop, up to date, best in Smith county, Kan., located at Kensington. Old age cause for selling. Address C. W. Bowen, Kensington, Kans.

WANTED—MEN TO LEARN THE BARBER TRADE; few weeks complete; practical instruction by experienced barbers who know their business and teach it as they know it; extra large outfit of tools given with reduced tuition price; wages while learning; diplomas granted; write for free catalogue handsomely illustrated. Schwarze system of Barber colleges, 30 W. California Ave., Oklahoma City, Okla.; Wichita, Kan.; El Paso Texas; 75 E. 2nd St., Amarillo, Texas. Address any school.

REAL ESTATE.

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

FOR SALE—WELL IMPROVED 160 acre farm 2 1/2 miles from McPherson, John Yowell, McPherson, Kan.

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

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

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

FOR INFORMATION ABOUT GRANT COUNTY, OKLA., write us for Real Estate Bulletin No. Six. J. H. Ruth & Co., Medford, Okla.

COLORADO—IRRIGATED LANDS \$25 and upward per acre. We can quote you prices that will make you some money. A letter of inquiry costs you nothing. Get in touch with us. The Boyle Realty Co., Durango, Colorado.

CALIFORNIA HOMESSEKERS—DON'T pay high prices for unimproved lands. I have improved properties from \$10 per acre up. Healthiest climate. No winters; no cyclones. Charles J. Schmidt, Folsom City, Cal.

BUY FREE FUEL FARM—200 ACRES valley and creek bottom; comfortable improvements, free fuel, natural gas, \$35.00. If land hungry write for complete description. Geo. Hill, Independence, Montgomery Co., Kansas.

FOR SALE—640 A. CHOICE FARM, well improved, 2 mi. of Canyon, Randall Co., Texas; might divide and sell \$20 a. or will exchange for smaller farm in Missouri, Oklahoma, or Eastern Kansas. For description, price, terms, etc., address Box 192, Canyon, Texas.

GOVERNMENT FARMS FREE—(OFFICIAL 112-page book "Vacant Government Lands" describes every acre in every county in U. S. How secured free, 1910 diagrams and tables. All about irrigated farms. Price 15c postpaid. Webb Pub. Co., Dept. 83, St. Paul, Minn.)

POULTRY.

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

BUFF ORPINGTONS—MATING LIST free. Harry Cure, Atchison, Kan.

GOLDEN WYANDOTTE EGGS FOR sale. Pure bred stock. Price 75 cents for 15. Mrs. Della B. Blison, Eureka, Kan.

BUFF ROCKS, INDIAN RUNNER ducks. Excellent stock. \$1 per setting. George Wasson, Anness, Kan.

SILVER WYANDOTTES—PRIZE WIN-ning strain. Kansas and Kentucky's best, 100 eggs \$2.50. Mary Gordon, Baker, Kan.

EGGS! CHICKS! SPECIAL SALE PRICE this season. Single Comb Brown Leghorns. Barred Rocks. Rose Comb Reds. M. A. Tomlinson, Eureka, Kan.

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.

PURE WHITE PLYMOUTH ROCKS CAN-field strain. Eggs \$1.00 for 15; \$4.50 per 100. F. C. Swircinsky, Belleville, Kan.

BARRED ROCKS EXCLUSIVELY; BIG fellows with yellow legs. Eggs fifteen, \$1.00, hundred \$5.00. James McCutcheon, Marquette, Kansas, R. R. 1.

EGGS FROM PURE BRED S. C. W. LEG-horns. W. Wyandottes. \$1 per 15, \$5, 100. W. H. Turkeys, Emden Geese, \$2 per 10. Baby chicks 10 cents each. A. F. Hutley, Maple Hill, Kan.

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.

SINGLE COMB BROWN LEGHORN hens from best laying and show strains in the United States. \$1.25 each. Eggs, 26 for \$1; \$3.50 per 100. Col. Warren Russell, Odessa Farm, Winfield, Kan.

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

BARRED ROCK EGGS, 15 FOR \$1.00; 45 for \$2.50. John Dam, Cornling, Kan.

S. C. BUFF ORPINGTON EGGS 15, \$1.00; 50, \$2.50. Mrs. J. A. Young, Wakefield, Kan.

WHITE WYANDOTTE EGGS, \$4.00 PER 100 or 200 for \$7.00. Mrs. H. G. Stewart, Route 1, Tampa, Kan.

ROSE COMB B. LEHORN EGGS, 100 \$2.50. Ranke Stock, Elmer Jones, McLouth, Kan.

BARRED ROCK EGGS FROM WINNING strains, 85 premiums, \$2.00 per 15; \$5.00 per 50. Chris Bearman, Ottawa, Kan.

PARTIDGE 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. Drennon, Liberty, Kan.

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

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

BLACK LANGSHANS—EGGS \$1.50 PER 15; \$7 per 100. Baby chicks 15c each. Mrs. Geo. W. King, Solomon, Kan.

PURE S. COMB BROWN LEHORN—Eggs from prize winning stock. Eggs safely packed. 30 for \$1.50, \$4.00 per 100. A. G. Dorr, Osage City, Kan.

EGGS FOR HATCHING—PURE BRED Golden Wyandottes, the best chicken on earth. Eggs \$2.00 and \$1.50 per 15. A. B. Grant, Emporia, Kan.

100 BARRED ROCK CKLS. AND FE-males prize winning strain. 85 premiums, 30 yrs. experience. Eggs \$2 per 15, \$5 per 50. Chris Bearman, Ottawa, Kan.

WAGNER'S BARRED ROCKS AND bronze turkeys from prize winners. Write for circular. Mrs. E. C. Wagner, Holton, Kan.

S. C. WHITE LEHORN—EGGS FOR hatching from vigorous mature birds, \$5.00 per 100, \$1.00 per 15. J. D. Taylor, Lawrence, Kan.

ROSE COMB BROWN LEHORN EX-clusively. High class stock eggs, \$2.50 per 50; \$4.00 per 100. Mrs. L. Renand, Bon Durnat, Iowa.

FINE BARRED ROCKS—GOOD LAYERS farm range eggs, \$1.00 for 15 or \$1.75 for 30, or \$5.00 per 100. Mrs. John Yowell, McPherson, Kan.

WHITE ROCK EGGS THREE DOLLARS per setting. Pay for those that hatch when they hatch. Chas. R. Adair, Charleston, Ill.

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.

GALVA POULTRY YARDS—R. C. W. Leghorns and White Wyandottes. Some stock for sale and eggs by the setting or hundred. Prices reasonable. John Ditch, Prop., Galva, Kan.

WHITE PLYMOUTH ROCKS EXCLU-sively, large birds, good layers, farm range; eggs \$5.00 per 100; \$1.00 per 15. Address Etta L. Willett, Lawrence, Kan., R. R. 1.

EGGS AND DAY OLD BABY CHICKS from Johnson's laying strain R. C. Brown Leghorns, 15 eggs \$1.25; 100 chicks 20 cents each. Send for circular. Mrs. H. M. Johnson, Formosa, Kan.

EGGS FROM WHITE ROCKS MATED with snow white "White Ivory" strain cockerels, sired by White Ivory 2nd, winner of 3 sweepstakes silver cups, score 96 1/4. 15, \$1.25; 100, \$6.00. Mrs. Harry Webster, Yates Center, Kan.

20TH CENTURY BIRDS, R. L. CHERRY Reds exclusively, farm range. Fertile eggs from high scoring, good laying strains. 17 for \$2; 50 for \$5; 100 for \$8. This ad mailed with order brings 5 eggs. Write for circular. W. W. Forbes, Jefferson, Ia., Box 710.

STANDARD BRED S. C. BUFF LEG-horns 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, 501 E. First St., Newton, Kan.

EGGS! EGGS!—FROM 18 VARIETIES OF thoroughbred poultry, geese, turkeys, Pekin, Rouen, Muscovy and Indian Runner ducks, pearl and white guineas, bantams, does all kinds of fancy pigeons. Hen's eggs 15 for \$1.00. Write for free circular. D. L. Bruen, Platte Center, Neb.

M. B. TURKEY EGGS \$5.00 PER 11. From hens with great show records mated to my first prize tom at Kansas State Show. My birds won more ribbons at Central Kansas and Kansas State Shows than all other M. B. Turkeys combined. A few toms for sale. Newton Blue Ribbon Poultry Farm, G. W. Perkins, Prop., Newton, Kan.

BUFF ORPINGTON EGGS 100, \$4.00. Nellie E. Lyons, Berryton, Kan.

BARRED ROCK EGGS STRICTLY PURE flock headed by prize winners, \$1 per 15; \$5 per 100. Mrs. C. O. Lowrey, Edgar, Neb.

SINGLE COMB BLACK MINORCA EGGS, Northup strain, \$1.00 per 13; \$6.00 per 100 eggs. Fred Kelm, Seneca, Kan.

BUFF ORPINGTONS, 67 PER CENT EGG yield through mid-winter. Eggs \$1 per 15; \$5 per 100. R. C. Leonard, Oxford, Kan.

SINGLE COMB BUFF ORPINGTON eggs, exhibition stock, winter layers. Tulloch Bros., Barnard, Mo.

WHITE AND SILVER LACED WYAN-dottes eggs, seventeen, \$1; separate farms Della McDonald, Lamar, Kan.

"EVERY FEATHER BUFF" LEHORN best grown. Eggs \$1.50 per 15. Mrs. Cora Beu, Moline, Kan.

WHITE WYANDOTTES—BRED UP TO date. Eggs for hatching. S. W. Artz, Larned, Kan.

BUFF ROCK EGGS FROM GOOD SCOR-ing birds, \$1.50 per 15, \$6 100. Mrs. John Bell, Ackerland, Kan.

NEOSHO POULTRY YARDS, ROSE Comb, R. I. Reds. Prices reasonable. J. W. Swartz, Americus, Kan.

WHITE WYANDOTTE EGGS, \$1.00 PER 15, \$4.00 per 100. Good stock. Mrs. Geo. Downie, Route 2, Lyndon, Kan.

PURE BRED BUFF ROCKS—FARM raised; eggs, \$1 for fifteen or \$4 per hundred. Mrs. W. Lovelace, Muscotah, Kan.

SINGLE COMB ORPINGTONS, HEAVY winter laying strain eggs from first pen. Fifteen for \$1.00. Orders filled promptly. M. J. Charlton, Stewart, Ohio.

ROSE COMB REDS EXCLUSIVELY. Eggs from high scoring birds \$1.50 per 15; \$5 per 100. Mrs. Riley Ingraham, Manhattan, Kan.

EGGS FROM A FINE LAYING STRAIN of Rose Comb Brown Leghorns. Mrs. J. E. Wright, Wilmore, Kan.

WHITE PLYMOUTH ROCKS, FARM raised. Eggs \$1.00 per 15. Safe arrival guaranteed. A. F. Huse, Manhattan, Kan.

INDIAN RUNNER DUCK EGGS, IM-ported stock. Barred Rocks and Single Comb Reds. F. F. Reinhard & Son, Ottawa, Iowa.

SINGLE COMB WHITE LEGHORN—the kind that win Eggs \$1.25 per 15. Special pen, bred to lay. I. M. Earnshaw, Lebo, Kan.

11 YEARS BREEDER, SHIPPER OF Single Comb White Leghorns. I guarantee safe arrival of eggs. 16, \$1.00; 100, \$4.00. Bees for sale. C. O. Kelley, Dunlap, Kan.

HIGH CLASS S. C. BUFF ORPINGTON eggs from a prize winning strain. Prices reasonable. Infertiles replaced free. Mrs. L. A. Cary, Phillipsburg, Kan.

S. C. BROWN LEHORN EXCLUSIVELY—Eggs, \$4 per 100; baby chicks 10c each. Express prepaid. Mrs. G. Montague, Wakefield, Kan.

R. C. RHODE ISLAND REDS, COLUM-bian Wyandottes, prizewinners; eggs, Wyandottes \$2 per 15. Reds, prize winning pen \$3 per 15. Flock \$1 per 15; \$5 per 100. Circular free. A. D. Williams, Minneola, Kan. K Poonill PzBlancers 01- dr londl ondl diu m

S. S. HAMBURG AND WHITE WYAN-dottes, winners of firsts wherever shown. Winning 72 firsts in 2 years, six of the shows attended being State Shows. Eggs from pen 1 (Hamburgs) \$3 for 15. Eggs from pen 2 (Hamburgs) \$2 for 15. Eggs from W. Wyandottes, \$1.50 for 15. W. S. Rinkley, Clay Center, Kan.

CATTLE.

FOR SALE OR EXCHANGE A JERSEY bull calf. J. E. Wright, Wilmore, Kansas.

GUERNSEYS—"THE BUTTER BRED"—choice youngsters; both sexes; from official record and advanced registry ancestors. H. Hinman, Allenville, Wisconsin.

FOR SALE—3 GALLOWAY BULL calves, good thoroughbreds, anyone interested please write route 6, box 25. Sterling, Kansas. Edmund Mills.

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

FOR SALE, RED FOLL BULL IN HIS four year old form. Qualified by breeding and individuality to head any herd. Producer of typical dual purpose kind. T. G. McKinley, Junction City, Kansas.

SEEDS AND PLANTS.

ALFALFA SEED, TEN DOLLARS, J. H. Glenn, Wallace, Kan.

DAHLIAS, 20 KINDS \$1. SATISFACTION guaranteed. Write for full particulars. H. Hurt, Taunton, Mass.

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.

4 PACKETS SEED, ONION, CABBAGE, Radish, Turnip, 10c. 12 half ounces (all different), two kinds of Cucumber, Muskmelon, Watermelon, Squash, Beets, Sugar Corn, 25c. Catalog free. H. M. Gardner, grower, Marango, Neb.

PATENTS.

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

PATENTS PROCURED AND POSI-tively sold if the idea has merit; all countries; best service; book free; send sketch H. Sanders, 116 Dearborn St., Chicago, Ill.

HORSES AND MULES.

SHEPHERD PONIES—WRITE FOR price list. Charles Clemmons, Waldo, Kan.

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

FOR SALE—EXTRA HEAVY-BONED Percheron stallions and mares, one to eight years old. Lengfelder Bros., Mt. Vernon, Ill.

MISCELLANEOUS CLASSIFIED ADS.

PRINTING PREPAID—STATIONERY, cards, tags, cuts of horses, jacks, cattle, sheep, swine, poultry. L. S. Horton, Hyde Park, N. Y.

RENKEN'S SURE CATCH GOPHER trap, only \$1 postpaid, money back if not satisfied. A. F. Renken Trap Co., Box 32, Kramer, Neb.

\$1.25 PER WORD INSERTS CLASSI-fied ads in 36 leading papers in U. S. Send for list. The Duke Advertising Agency, 427 S. Main St., Los Angeles, or 12 Geary St., San Francisco, Cal.

PIANO AND ORGAN PLAYING MADE easy. On receipt of 50 cents we will mail you one of our Ideal Chord Charts, enabling you to play the piano or organ without the aid of a teacher. Ideal Chord Chart Co., Box 446, Marion, Indiana.

TRACTION ENGINE FOR SALE CHEAP—I have taken over a good 12 horse C. Altman traction engine in good repair and splendid running order. Almost as good as new. Will take \$125 if sold soon. Jno. A. Edwards, Eureka, Kan.

FIELD NOTES

FIELD MEN.

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

PURE BRED STOCK SALES.

Shorthorns.

April 28—Henry H. Kuper, Humboldt, Neb.
May 17—H. M. Hill, Lafontaine and S. C. Hann, Howard, Kan.
June 10—C. S. Nevius, Chiles, Kansas.
June 11—H. E. Hayes, Olathe, Kan.

Poland Chinas.

May 12—C. S. Nevius, Chiles, Kan.
May 17—Roy Johnston, South Mound, Kan.
Aug. 11—E. H. Davidson, St. John, Kan.
Oct. 20—Roy Johnston, South Mound, Kan.
Oct. 26—G. M. Hull, Garnett, Kan.
Oct. 21—J. M. Ross, Valley Falls, Kan.
and W. E. Long, Ozarkie, Kan., sale at Valley Falls.
Oct. 22—H. C. Graner Lancaster, Kan.
Nov. 1—H. B. Walter, Effingham, Kan.
Nov. 1—H. P. Pelphrey, Humboldt, Kan.
Nov. 2—J. W. Pelphrey, Chanute, Kan.
Nov. 19—G. W. Roberts, Larned, Kan.

Horses.

Oct. 26—W. S. Corsa, Whitehall, Ill.
Hereford Cattle
Nov. 10—T. L. Woodall, Fall River, Kan.

50 Bred Gilt to be Sold May 12.

On May 12, C. S. Nevius will sell 50 spring gilts, mostly by Designer, part of them will be bred to Major Look, Gold Metal and Big Hadley's Model. This will be an excellent opportunity to buy the foundation stock for a herd of Poland Chinas. Watch for further announcement in Kansas Farmer and send for a catalog.

Scotch Bulls From a Noted Herd.

T. K. Tomson & Son, of Dover, Kansas, are making special prices on a few choice Scotch Shorthorn bulls. The lot offered includes three that should head good herds. Two of them are by the noted bull Barmpton Knight and their dams are Victoria cows, one of these cows is the dam of the great show bull, Gallant Knight's Heir and the other is his full sister. One of these bulls is a richly bred Mysie, by the old Gallant Knight. This young bull is good enough to stand at the head of any Shorthorn herd, having size and quality with that smooth finish that makes him a first class individual.

While the Tomsons have gained an enviable position among the Shorthorn breeders for selling high priced cattle, it should be remembered that they are offering some very high class bulls at very moderate prices. They are pricing bulls at \$150 to \$250 that are worth more money to head herds. The writer has not been able to find the same quality of bulls in any herd for the same money.

They are offering a lot of choice cows and heifers at prices that should sell them quickly. This herd is represented by 13 of the richest Scotch families. This would be an excellent place for any young breeder to buy his foundation herd.

The writer enjoyed the day spent on the Tomson farm looking over the large herd of high class cattle. It will be worth to any prospective buyer all the expense of a trip to the Tomson herd. Kindly look up ad in this issue and write for prices. Mention the Kansas Farmer.

HOME CIRCLE

Suggested Topics.

At what hour do you rise and at what time do you retire?

How much land have you in your farm?

Does your husband have a hired man?

Have you a horse and buggy which you can have for your own use?

Have you ever used one of the Kansas Traveling Libraries? If so was it of benefit? How could the traveling library system be improved?

Is your house as commodious and comfortable as you desire? How could your home surroundings be improved? Have you a flower garden? Have you any of the modern improvements—water pressure, gas lighting, bath room or furnace? If not tell something of how water and heat are supplied?

Do you live on the rural route?

What magazines and papers do you have to read? Can you have a daily paper?

Asparagus for Profit.

"Why every garden has not an asparagus-bed is an unfathomable mystery to me," says Kate V. Saint-Maur in Woman's Home Companion for April. "It is universally liked; even epicures consider it a delicacy. It is ready for table use in very early spring, when every one craves fresh vegetables, and it is as easy to grow as any other vegetable after it is once established.

"Probably the last word explains the mystery. It takes three years to establish, or, rather, to bring it to the profitable stage. A light crop can be gathered the second season, so the home table profits almost as quickly as in the case of artichokes or strawberries. Whatever the cause, the fact remains that an asparagus-bed is rarely found on a farm. Yet the pecuniary advantages to be reaped from asparagus-growing are sufficient to satisfy the most ambitious gardener.

"Three years after our first bed from seed was started, we sold three hundred and fifty-four bunches at an

average of forty cents a bunch. Early in the season we got fifty cents, toward the end of the season some were sold for thirty-five cents. Since then the annual returns have never dropped below two hundred and eighty-six dollars. Mairing and cultivating cost approximately twelve dollars a year. The bed occupied about a quarter of an acre of ground. Having a number of egg customers, we sell direct and so get the full price, but even wholesale prices range from fifteen to twelve cents."

The Farmer's Wife.

In reply to your question about the farmer's wife, I must say that she is coming to the front, slow but sure. She is treated more as an equal than as a slave. To illustrate I will tell of a family in our neighborhood. This family consists of the mother and father and four children. This mother and her four daughters' labor is lightened by a furnace, cream separator, carpet sweeper, sewing machine, washing machine, modern churn and several rugs instead of carpets. She has a piano, organ and a phonograph. She reads the latest papers and books by gasoline light. In the summer her cooking is done on a gasoline stove and her food cooled in a refrigerator. She has ice in an ice house near by and an ice cream freezer. Most of her chickens are hatched in an incubator and raised in a modern brooder. Her meat is smoked with liquid smoke. She has hot and cold water piped into her kitchen, bath and toilet room. She draws her pin money from the bank where her husband deposits it. She uses her own road wagon and driving horse. Her two oldest daughters have each a saddle horse and riding outfits. She goes to town on Saturday dressed as well as any town woman and knowing her debts are paid.

Now, of course, there are some farmers' wives here that are not so well fixed. There are always some farmers who can't afford as much but there are many who have more labor-saving machinery than the one mentioned.

Our Sunday school superintendent and all of the teachers are ladies, all farmers' wives or daughters. They take a more active part in the church work than the town women. The country women are certainly the equal of the town women and are usually healthier, happier and more useful. —V. S., Milan, Mo.

FROM OUR READERS.
Just One Tree.

I want to earnestly appeal to the people of Kansas to observe Arbor Day. It is a landmark for future generations. If each one would set out just one tree it would always appeal to him as his own individual work. It is an instinct of nature to steer for the nearest tree under any adverse circumstances. The roof tree is always first. In pioneer days, if you were doubtful of the trail day or night, a tree was your guide. If you are overcome by heat the tree is your friend. If snowbound or buffeted with storms, it is your comforter and protector. Like a compass it steers through difficulty those who are open to the teachings of nature. Let each one plant one.—Chas. H. Jackson, Jetmore, Kan.

We regret that this sentiment did not reach us in time for publication before Arbor Day but feel that Mr. Jackson will join with the editor in the hope that tree planting will not be confined to the one day in the year which has been set apart by official proclamation. Let every day in season be an Arbor Day. It takes many years to raise a tree but only a few minutes to destroy one. Life without trees is very, very long and very, very dull.

Heavy demands have been made upon the Entomological Department of the Agricultural College this spring in demonstration work in spraying. Doctor Headlee, the head of the department, spent a week in Allen and Linn counties recently, Professor Dean in Doniphan county, where he devoted special attention to the San Jose Scale; Professor Evans was in Leavenworth county, inspecting imported nursery stock; Professor Barker in Sumner county, studying chinch bugs; Professor Wood in Jewell county, conducting a campaign against the San Jose Scale; and assistants Emslie and Caldwell were busy among the orchards of Doniphan county.



3 HARD HITTERS

Here are Three Hard Hitters from our 42 different models. Every gun made in The Factory of Precision, be it Rifle, Shotgun or Pistol, hits hard and true.



FAVORITE No. 17. List Price \$6.00

There are more Stevens Favorite Rifles sold than any other Rifle Model in the world, because they are more accurate than Rifles of other makes that sell up to fifty dollars.

Used by boys because of the price—used by men because of Bull's-Eye Accuracy.

We make 1,800 Favorite Rifles a week—that's why we can sell them at the price we do and make them by the same methods and with the same skill used in making our heavier Rifles that hold World's Records.

This rifle is guaranteed by the STEVENS GUARANTEE, which is a guarantee that binds.

VISIBLE LOADING REPEATING RIFLE No. 70
List Price \$8.00

You have fifteen quick shots without reloading—twelve if you use .22 Long Rifle cartridges. Two Models: One takes .22 short only, the other takes any one of three cartridges—.22 short, .22 long and .22 long Rifle, but the greatest accuracy is obtained by using .22 long Rifle exclusively in this model.

You SEE the cartridge go into the chamber, you KNOW when the rifle is loaded and ready to shoot.

This model is used extensively throughout the country for exterminating such pests as gophers, weasels, rabbits, rats, squirrels, raccoons, woodchucks, hawks, hares, crows and other crop thieves. The rifling in this barrel is so precise that the same cartridge will shoot straighter and with greater penetration than it will in any other rifle.

REPEATING HAMMERLESS SHOTGUN No. 520
(Solid Breech.) List Price \$27.00

You cannot buy any other Repeating Shotgun at any price that has all these advantages:

1. The safety of a solid steel wall between you and the shell.
2. The Non-Balkable feature which makes it impossible for the quickest hand to clog it.
3. Easy working mechanism that with Non-Balkable feature gets in six shots with lightning-like rapidity.
4. Perfected balance and racy lines which make this gun a Natural Pointer.

Young shooters get into the "sure shot class" and old shooters improve their scores quicker with a Stevens than with any other Repeater known. The balance and general finish of the gun make this possible.

The next time you are near your Sporting Goods Dealer or when you pass your Hardware Store ask them to show you the Stevens Line and if they do not carry the particular firearm you would like to see, write us and we will ship same to you direct EXPRESS PREPAID on receipt of LIST PRICE.

What kind of shooting are you interested in?

SHARPSHOOTING, TRAPSHOOTING OR HUNTING?

Write us which one and we will send you a detailed letter giving you invaluable points and hints on either target work, trapshooting or in hunting big or little game. Furthermore we will send you by return mail, our 160-page Gun Book with 209 illustrations telling you all about Rifles, Shotguns, Pistols and Rifle Telescopes—the largest assortment of high grade firearms in the country all made under one roof.

J. STEVENS ARMS & TOOL COMPANY, DEPT. 444, CHICOPEE FALLS, MASS.
The Factory of Precision.

Admiral
percales

are as bright and varied in patterns and effects as any of the 12-4c goods on the market. Hamilton colors have a substantial reputation for durability, dating from 1825.

Admiral Percales are 36 inches wide, and sell for **Only 10 Cents** a yard. If you want something for Shirts, Waists, or House Gowns, ask your retailer for Admiral Percale or write us for samples.

HAMILTON MFG. CO.
93 Franklin St., Boston.

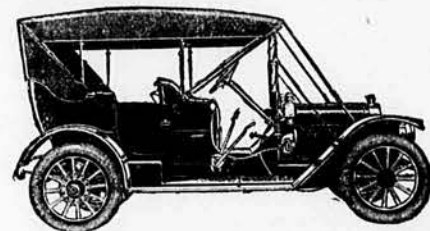
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Thousands of women using the American System of Dressmaking are earning and saving more than they ever expected before taking our course by mail. This Free Book tells how. Our System teaches everything about Dressmaking and Ladies' Tailoring. 20,000 students and graduates. Revised Course. We teach you to your own satisfaction. Address
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Laundry Queen Steam Washer

Best washer on earth. Cleans the dirtiest clothes in 20 minutes without rubbing. Write for circulars and prices to Ed. S. Cushman Co., Box 276 Centerville, Iowa.

Rebuilt and
RefinishedThomas Flyers
and Other High-Grade Used
Automobiles

These cars have been thoroughly overhauled and repainted. All worn and broken parts replaced. You take no chance if you buy used cars of the manufacturer, and you get the Thomas service as long as you drive a Thomas car—either new or old.

Prices range from \$750.00 up. Write for List.

E. R. Thomas Motor Branch Co., 1325 Michigan Ave., Chicago

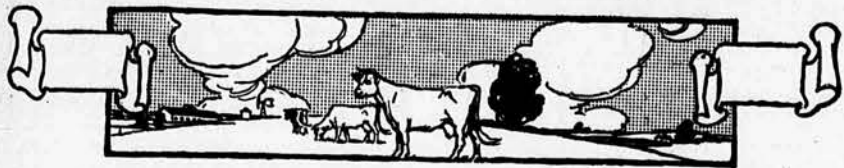
BARRED ROCK EGGS
From Prize Winning Stock, \$1.00 for 15; \$5 per 100.

HILLCREST POULTRY FARM,
Route 4, Phone Ind. 2180-Ring 1,
North Topeka, Kansas.

FOR SALE—125 COLONIES BEES, \$4.00 each. Hives and Supers cheap. O. A. Keene, Topeka, Kan.

S. C. B. ORP. EGGS \$1.25 for 15 eggs. Owen Farm strain, the best strain in America. C. B. Owen, Lawrence, Kansas.

DAIRY



Kansas Educational Butter Scoring Contest.

The second bi-monthly buttermakers' contest for 1910 will be held at the dairy building, Kansas State Agricultural College, Manhattan, Kan., May 3.

In addition to the prizes already offered by the dairy department, namely, that of certificates for those receiving average scores of 90 or over and the privilege of holding the buttermakers' cup for the one receiving the highest place, we have four cash prizes as follows:

To the one receiving first place, that is, having received the highest average score for the year.....\$25.00
Second highest average score... 15.00
Third highest average score.... 10.00
Fourth highest average score... 5.00

Prizes will be awarded to those only who shall have entered at least five out of the six contests. It will be necessary for those who failed to send in an entry for our first contest which was held March 2, to send in a tub for all of the contests that are to follow this year in order to be eligible for prizes.

The companies that have so kindly contributed toward this prize fund are as follows:

Creamery Package Manufacturing Company, Kansas City, Mo., \$25.

De Laval Separator Company, Chicago, Ill., \$20.

The J. B. Ford Company, manufacturers of Wyandotte Dairyman's Cleaner and Cleanser, \$10.

The butter for the second bi-monthly contest should be at the dairy building not later than May 3.

For particulars or additional information write A. B. Nystrom, dairy department, Kansas State Agricultural College, Manhattan, Kan.

The Great Jersey Record.

I am here pleased to report the record of the Jersey cow, Glenida's Baby, No. 204770, owned by W. L. Hunter, Raymond, Neb. This record stands high among the great performers of the breed and but half a dozen have exceeded her. It leads the highest record ever reported in the state of Nebraska by over 100 pounds of butter and is a performance of which any breeder can well be proud.

This cow is seven years and one month old, so that she freshened when six. The picture hardly does her justice, as she is really a cow of fine type and well proportioned. Her breeding might be termed of the St. Lambert and Combination strains. She has had but two calves. With her first calf, she milked three years and with the second calf made the splendid performance here recorded.

Record of the Jersey cow, Glenida's Baby, owned by W. L. Hunter, Raymond, Nebraska:

Date.	Milk.	Test.	Fat.	Butter.
March 12-April 11, 1909.	1392.4	5.30	74.12	83.47
April 12-May 11.	1385.4	5.43	75.22	87.76
May 12-June 11.	1485.5	5.07	75.30	87.85
June 12-July 11.	1280.5	5.06	84.79	75.59
July 12-Aug. 11.	1135.1	5.765	65.44	76.35
Aug. 12-Sept. 11.	987.0	5.19	50.34	58.73
Sept. 12-Oct. 11.	999.2	5.326	53.21	62.08
Oct. 12-Nov. 11.	984.7	5.92	58.92	66.41
Nov. 12-Dec. 11.	846.9	6.12	51.82	60.46
Dec. 12-Jan. 11, 1910.	833.3	6.19	51.88	60.18
Jan. 12-Feb. 11, 1910.	854.6	5.82	49.73	58.02
Feb. 12-March 11, 1910.	719.7	6.00	43.18	50.37
Total.	12890.3	5.59	711.65	830.27

Ailing Mare.

I have a little chunky black mare, five years old, weighs 1,250 pounds, that is in foal. She has been fed alfalfa, prairie hay and corn and she has done light work all winter. She is always in good shape and was never sick until about a month ago when she had the black water. She has had it three times since. A two-ounce dose of nitre brings her out of

each spell but I would like to give her something to prevent the spells. —A. W. G.

Ans.—Give her one ounce of sammetto in feed three times a day for one week, and then once a day. Feed oats and bran with good prairie hay. Do not feed heavy on grain and regular daily exercise either at work or in paddock. She might have azoturia and go down and lose her.

The estimated butter in this record is figured on the basis of a 13 2-3 per cent over-run, which is the Experiment Station standard. Figured to the 90 per cent basis, which is often given would be 853.9 pounds of butter. This record was made under conditions which could be duplicated on almost any farm.

No special care was given the cow but as Mr. Hunter reported she took her care with the balance of the herd but naturally she was given more feed as her capacity gave evidence that she could handle it well. Mr. Hunter has submitted the following report concerning the amount of feed consumed by his cow. As all feeds were weighed, the record may be considered quite accurate. He has used for values what he actually paid for feed and where forage was grown on the farm has figured its actual cost of production.

	Pounds.
Ground corn.	3,326
Bran and ground speltz mixed.	1,135
Adjax flakes.	600
O. P. oil cake.	913
Sugar.	100

Total. 6,524

	COST.
Corn, speltz and bran, cost per lb.	\$46.11
1 cent, 4,611 lbs.	9.00
Adjax flakes, 600 lbs. at 1 1/2 c.	13.69
Oil cake, 913 lbs. at 1 1/4 c.	4.00
Sugar, 100 lbs. at 4 cents.	\$72.80

Alfalfa hay, 4 1/2 tons, at \$5.00 per ton.	22.50
Pasture, 1 month, at \$1.50 per month.	\$6.00
	\$101.30

Mr. Hunter reports the cream sales from his cow brought \$250.00. This gives a net earning of nearly \$150.00 over and above the cost of feed. Allowing her a fair value for the skim milk, fertilizer and a most magnificent calf, this cow certainly was a money maker. Had her milk been sold on the Lincoln Market at the average price of 8c per quart, the product would have brought \$490.40. Several of the Lincoln dairies have been selling, during the year for 10c, and surely such milk as this cow produced was well worth 10c. On such a basis her earning would have been \$613.00 for the year.

Of the great records made, but few have equaled the performance of this cow and as she is soon to freshen, her record does her even more credit as it was made under conditions which every breeder wishes his cow to perform.

Much care was taken in verifying this performance and the Dairy Department of the Experimental Station sent several representatives to weigh and sample the milk during the different periods of the test.—A. S. Huecker.

PROTECTION from LIGHTNING is what this TRADE MARK represents



In the last sixty years, more property—live stock, grain and buildings—and more human lives have been saved by COLE BROS. FRANKLIN LIGHTNING ROD than by any other Rod ever made. That is because it is a perfect and scientific Lightning Rod, and the *only* Rod whose efficiency has never been sacrificed or cheapened.

COLE BROS. FRANKLIN LIGHTNING ROD

is the world standard of protection; not the cheapest but the best. Its patent couplings, bronze and platinum points and ground connections form a *continuous* channel, by which electricity passes off to the earth as harmlessly as water from your roof. Every foot *guaranteed*.

BEWARE of cheap imitations and flimsy wire substitutes offered by the unscrupulous. Look for the initials CBFR on every section and for the full trade mark as above on all packages. Don't take anyone's word for CBFR it, see that they are there for yourself. These letters are YOUR Protection as well as OURS. When it comes to protecting life and property remember that Cole Bros. Franklin Lightning Rod has never failed in sixty years.

COLE BROS. LIGHTNING ROD COMPANY

310 to 320 South Seventh St., St. Louis, Mo.

OLDEST

LARGEST

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OUR CASH FOR YOUR CREAM

BLUE VALLEY CREAMERY CO.
PAY TO Mrs. Wm. M. M. \$7.70
Seven and 70/100 DOLLARS
Blue Valley Creamery Co.

WE SEND CHECK BY RETURN MAIL

There are no long waits—no uncertainty. "The BLUE VALLEY WAY" means cream direct from you to us and cash direct from us to you—all the middleman's profits go to you.

The price we pay for butterfat is fixed by the price we get for the best butter made and sold in the highest priced butter markets in the world. The demand for our butter is growing faster than we can get cream to make it—that's why we are forced to advertise for cream. We want more cream—must have it in fact. We want all the cream 30,000 more dairymen can produce.

If you milk cows this announcement is meant for you. We invite you to become a money-making member of "The BLUE

Blue Valley Creamery Co.,

"VALLEY FAMILY"—we believe the "BLUE VALLEY WAY" will give you more money for your cream than it ever brought you before—it will bring you greater satisfaction and less worry.

We already have 30,000 shippers who could not be induced to sell their cream any other way. If you'll try one shipment to us we promise you that you will feel the same way. Try it on our promise and see; or write today for any further information you may desire.

30 CENTS PER POUND FOR BUTTERFAT

Write for a copy of our Guarantee Folder—Free

203 Main St. St. Joseph, Mo.

AN INTRODUCTION

This note will introduce to you "Miss Dairy Maid" of Never-blue. She can't help smiling, even now, Because her father sold one cow—The poorest of the herd, he said—And bought a "Butterfly" instead.

PRICES
\$14.85 and up

Let us send you, free and postpaid, our 1910 Catalog of New Butterfly Cream Separators and a souvenir photo print of "Miss Dairy Maid." Prices direct from our factory to you, \$14.85 to \$46.30. Six sizes.

ALBAUGH-DOVER CO.
2109 MARSHALL BLVD., CHICAGO, ILL.



We will give \$100.00 for the 9 best ears of seed corn

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DR. CHAS. L. REA

Dept. I, Kansas City, Mo.

Mr. W. F. Turner, a Senior Dairy student of the Agricultural College recently tested seven cows of the herd of Mr. T. J. Searle, at Oskaloosa for advanced registry.

A cow testing association will probably be formed by the dairymen and farmers of Tonganoxie and Lindwood, soon. This will be the first association of this kind to be formed in Kansas. There is also a great deal of interest in that section in silo construction. Three new cement silos will soon be erected near Tonganoxie and one near Lindwood.

An All-Purpose Dairy.

Much has been said and written in regard to the special purpose dairy cow and she has proved her worth. The breeders of dual purpose cattle have claimed their share of attention and produced records to defend the faith that is in them. The question, however, of an all purpose dairy cow has not yet been settled to the satisfaction of everybody. If it is granted that such a cow is desirable at all, then it would seem that there must be a distinction made according to the purpose for which the dairy is maintained. If it is a milk dairy the butter making qualities of the cows are not so highly essential as they would be in a butter dairy. There are certain classes of trade, however, where a high quality is demanded in the milk, though it is not used for butter-making purposes. To meet such a demand a herd of cows must be selected which will furnish the quality required and then the quantity must either be obtained by careful and judicious breeding of these cows or by adding to their number in the herd.

Prospect Farm, owned by H. W. McAfee, Topeka, seems to have solved this question of furnishing a high quality of milk for a restricted class of customers in an easy and economical manner, though it is against the tenets of all the advocates of special breeds for special purposes. Mr. McAfee has a contract by which he furnishes to one customer 80 gallons of milk per day. This customer is a large public institution which demands a high quality of milk for food purposes. This milk is used only for drinking and in the preparation of food, and never for the manufacture of butter. It is necessary that it have a good, rich body from which the cream will not separate too easily. Jersey milk does not answer the requirements because of its high percentage of butter-fat and the ease with which this separates from the milk. Holstein milk is open to the objection of having a relatively low percentage of butter-fat while Shorthorn milk, though it is found to have the right quality and texture, does not always appear in sufficient quantities. Mr. McAfee has met the demands of this special trade by using high grade and cross-bred Shorthorns from which he gets the exact quality of milk demanded and an ample flow is assured by careful selection of the individual cows. As his experience in supplying this particular institution dates back some eight or ten years and as it has been entirely satisfactory to all parties concerned he thinks he has solved the problem by his method of breeding.

The Dual-Purpose Cow in Ohio.

"And a man's foes shall be they of his own household," is just as true today as it was when first expressed, years and years ago. It seems strange that dairymen can not outgrow their tendency to quibble over breed type, special type and fancy points, and get down to actual performance. They make it harder for themselves by trying to obstruct the path of those who believe that if a cow is bred right, she may be of a smooth conformation and still prove her value in dairy performance. I have read much that has been advanced by these special-type theorists, but have never heard of or seen written a theory, or seen facts presented, showing why a cow of angular build should be more profitable in the dairy than one of smooth conformation. Yet it is always the same; the breeder of dual-purpose cattle is held up to ridicule for daring to suppose that his dual-purpose animal has a place in the farm dairy.

Isn't it about time that there was a change? Some of us who are old enough can remember when the breeders of the different breeds of sheep, hogs and horses used to play at the same game. But we see nothing

of this now. The breeders of angular-built dairy cows are the only ones who are still training in the Rip Van Winkle class; and they are either twenty years behind the times, or else they have an axe to grind.

Being a breeder of Red Polled cattle, of course I am interested in this subject, and for the benefit of at least the reader who scorns the dual-purpose dairy cow, I would like to present a few facts. This breed is always red and never has horns. The breed is very prepotent, and is strong in transmitting its qualities to its offspring. We are willing to guarantee that with Red polls crossed on cattle of any color or breed, 90 percent of the calves will be of a solid red color and never have horns. They also impress their dairy qualities just as strongly upon their young.

The Ohio Experiment Station made a test of silage as compared with dry feed for dairy cows a few years ago, and reported the test in Bulletin No. 155. The cows were selected from different breeds, and they were carefully fed through a four-months' test. In each lot a Red Polled cow stood first in production. At the Wisconsin University a Red Polled cow headed the herd for production for a period of five years. The breed herd book contains numberless records which prove conclusively the very high dairy standing of this breed.

I began breeding Red Polls about ten years ago, and at the present time I do not know of a single bull of any other breeding kept for service within a radius of two miles of me. I live in one of the very best dairy counties in the state, and have been sending the milk from my Red Polled herd to the same creamery company for the past eight years. This company runs a retail milk route in connection, and retails about 450 bottled quarts a day. The milk from our cows is sold in this way, and we have never had a complaint of sour, gargety or bloody milk, and we have not a three-teated cow on the farm. We have sent more milk than any other patron on the line for the entire time. When half of our cows were two and three-year-old heifers, they paid us \$90 a year each. The milk tests from 4 to 4.6 per cent, and suits the trade.

When I began breeding these cattle, I selected them for their beauty and usefulness, and upon the advice of one of the highest authorities in Ohio on live stock subjects. I saw the cows in the Model Dairy test at the Pan American exposition. At the close of that test the Red Polled cow, Mayflower, 2nd, was second in net profit for the six months' test, proving superior to all Jerseys, Holsteins, Ayrshires. I all but one of the five Guernseys. I bought the bull that was sent to Buffalo to breed the Red Polled cows in the test. He was thought to be the best Red Polled bull in the country bred in dairy lines. The bull now in service traces to records of 9,202 pounds of milk and 403 pounds of butter to 11,002 pounds of milk and 577 pounds of butter. We like these cows in the dairy as well as any we have ever had, and I have lived in a dairy section all my life. When all milk companies begin to buy on test alone, as some of the best ones are now doing, there will be better times in dairying, and the dual-purpose cow will be found holding her own with her angular cousin.—Henry S. Kelley, Ashtabula Co., Ohio.

One of the best reasons for using mature sows for breeding purposes lies in the fact that they bring larger and better litters of pigs than do young ones. It might not be wise to buy breeding sows that are too far along in years but it is also not wise to part with your proved sows too easily or too early. In this connection many farmers find it profitable to raise a small patch of corn into which they can turn the hogs and let them do their own harvesting. There is sure to be more or less waste in this method but it seems to be economical for some people.

Profitable Sheep Feeding.

Ordinary southwest range sheep were bought last winter by Professor Kinzer of the Experiment Station on the Kansas City market for \$6.25 per 100. The object sought was to make an experiment in feeding this class of animals. After a 70 day feeding test these sheep were sold in Kansas City on March 15 for \$9.75 per 100. Their average daily gain was about one-half pound per head. There were 140 head in the entire lot, and these



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were divided into seven smaller lots of 20 head each for experimental purposes. Lot 1 was fed on shelled corn and alfalfa meal, and made an average daily gain of .52 pounds per day at a cost of \$4.93 per 100. Lot 2 was fed on shelled corn and black alfalfa hay and gained .41 pounds at a cost of \$6.72 per 100. Lot 3 was fed on shelled corn and alfalfa hay. This hay was from the same stack as that from which the meal used in feeding lot 1 was ground. Lot 3 made an average daily gain of .50 pounds at a cost of \$4.40 per 100. This lot made the cheapest gains. Lot 4 was fed on shelled corn, cotton-seed meal and prairie hay, and gained .38 pounds per day at a cost of \$5.21 per 100. Lot 5 was fed shelled corn, wheat, bran and prairie hay. Their gain was .35 pounds per day at a cost of \$5.63 per 100. Lot 6 was fed shelled corn, cotton-seed meal, and alfalfa hay, with a gain of .47 pounds per day at a cost of \$5.01 per 100. Lot 7 was given shelled corn, Champion Molasses Feed and alfalfa hay, with a gain of .37 pounds per day at a cost of \$7.42 per 100. This lot made the most expensive gain of any.

The average weight of these sheep at the time of sale was 88 pounds, and a net profit of \$450 was made on these single deck shipments. If all had made as good gains as did lot 3 and at the same rate, the profits would easily have been over \$500. There is evidently money in feeding sheep.

Breaking Alfalfa Land.

Will you please send me Bulletin No. 155 in regards to the breaking and planting of alfalfa land? It may be unusual for a lady to ask for information regarding farm work but I am a farmer's daughter, and for that reason I am interested in farming and wish to learn the best methods. This year I am interested in a large field of alfalfa which is to be broken up and the field planted to corn and would be thankful to you for any assistance you can give in regard to best methods of breaking and planting.

Also any information in regard to other staple farm crops, etc., would be highly appreciated.

My brother used always to write you for advice when he was on the farm and always found such advice reasonable and practical.

I am requesting the Director of the Experiment Station to mail you Bulletin No. 155 on alfalfa.

I receive many inquiries from farmers' daughters and farmers' wives

on various agricultural subjects, in fact it is my opinion that many of the letters signed by men are written by women.

It might have been better to have broken the alfalfa sod last fall. Would now advise to break as early as possible, plowing quite shallow, not over 4 inches deep. Preferably plant the corn with the lister, listing a little deeper than the plowing, so as to put the seed in the firm soil. You will find the subject further discussed in Bulletin No. 155.

I am also requesting the Director of the Experiment Station to place your name on the bulletin mailing list, so that you will receive all of the publications of this Experiment Station.

Since you may soon be interested in organizing or re-organizing a farm I am mailing you a copy of my farm management pamphlet, which contains information on this subject. If you have further questions on crops or other farm subjects I shall be pleased to have you write me at any time.

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The high cost of lumber now makes it necessary to preserve wood from rot, decay and worms. AVENARIUS CARBOLINEUM Registered doubles the life of wood. Guaranteed 30 yrs. on market. Nice color. Ready for use. Easily applied. Freight prepaid. Write for circulars. Carbolinum Wood Preserving Co., Dept. 28 Milwaukee, Wis.

WESTERN CANADA

What Governor Deneen, of Illinois, Says About It

Governor Deneen of Illinois, owns a section of land in Saskatchewan, Canada. He has said in an interview: "As an American I am delighted to see the remarkable progress of Western Canada. Our people are flocking across the boundary in thousands, and I have not yet met one who admitted he had made a mistake. They are all doing well. There is scarcely a community in the Middle or Western States that has not a representative in Manitoba, Saskatchewan or Alberta."

125 Million Bushels of Wheat in 1909

Western Canada field crops for 1909 will easily bring \$175,000,000.00 in cash. Free Homesteads of 160 acres, and pre-emption of 160 acres at \$3.00 an acre. Railway and Land Companies have land for sale at reasonable prices. Many farmers have paid for their land out of the proceeds of one crop. Splendid climate, good schools, excellent railway accommodation, low freight rates, wood, water and lumber easily obtainable. For pamphlet "Last Best West," particulars as to suitable location and low settlers' rates, apply to Sup't of Immigration, Ottawa, Canada, or to the Canadian Government Agent.

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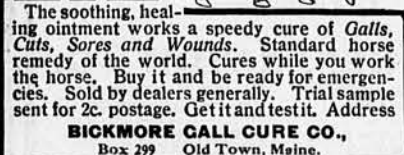
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THE FARM



The Root System of Corn.

The root system of the mature vigorous corn stalk is very extensive. The root distribution depends largely upon the proper supply of oxygen and water and the depth to which the soil has been plowed.

In the first few weeks of the life of the corn plant the root growth is very rapid. A corn plant an inch high will have a root six inches long, one five inches high has been observed with a root twenty-two inches long. And the number increases very rapidly.

The depth of planting has no influence on the depth of the roots as the majority of the permanent fibrous roots begin about one inch below the surface of the soil. In eight or ten weeks from the date of planting the soil between the rows is completely filled with roots. Most of the roots are found in the first two feet of soil though they sometimes descend as much as four feet though only when in search of water. Cases have been reported of roots eight feet in length though not in depth. The average of course is much shorter than this. The roots branch and rebranch a great many times, and over one hundred branches have been counted on a root fourteen inches long. Fifty or sixty branches on a root of this length are common. The purpose of this branching is to obtain a larger supply of water. The moisture requirements of corn are very great because it is grown at the hottest time of year and on account of the large amount of dry matter produced per acre.

The proper development of brace roots is very important. Different varieties of corn vary in their ability of the brace roots to support the stalk, though the corn breeders have as yet made no practical studies on this characteristic.

The Fastest Automobile in the World.

It seems incredible that a human being can safely travel faster than two miles a minute but recently Oldfield drove a Benz automobile over an accurately measured mile on a Florida beach in 27 and thirty-three hundredths seconds at the rate of 131 miles per hour. This performance was timed by a specially devised electrical apparatus which recorded hundredths of a second, and marked the most rapid flight ever made by man. In 1902 in a German government test an electric trolley car made an average speed of 128 miles per hour while the fastest recorded speed of a steam locomotive is 120 miles in an hour. A carrier pigeon in a hundred mile flight in 1900 flew at the rate of 85 1-2 miles per hour which has been nearly equaled by the fastest motorcycle at a speed of 84 1-2 miles. A bicycle rider has gone 63 miles per hour but the mast

could be made in 24 hours while a man walking 12 hours a day continuously would take 30 days to travel this distance.

That German engineers can design and build a piece of mechanism of this enormous power which will operate so perfectly under such extreme conditions and be capable of such speed is most noteworthy and proves the sterling value of the modern motor car and its dependability.

To Increase the Kansas Wheat Yield.

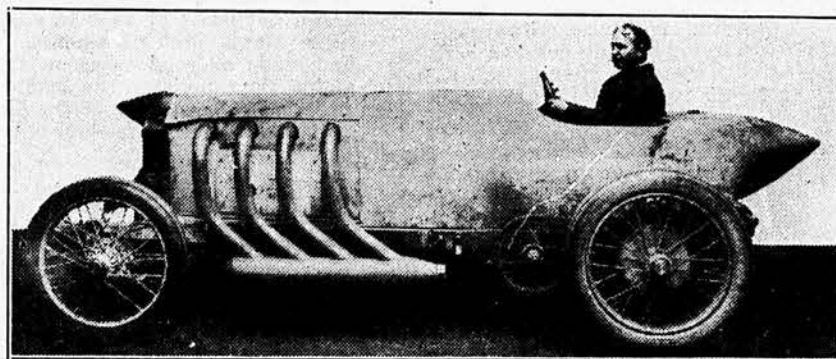
Director Ed. H. Webster of the Experiment Station is sending out a request for cooperation by mill owners, elevator men, grain dealers, boards of trade, farmers, and all others interested in an aggressive campaign for increase in the yield and quality of Kansas wheat. He asks contributions to a fund which shall be used in sending into the growing wheat fields a number of experts who will examine the fields, determine the quality and purity of wheat for seed, instruct the farmers in the care of the wheat as a seed crop, assist them in selling seed wheat and cooperate with all interested parties in giving such seed the widest possible distribution throughout the wheat belt.

The objects sought are a very large increase in the number of acres seeded to good wheat; an appreciable increase in yield per acre; the organization of a system for perpetuating the distribution of the best varieties of the Turkey type of wheat, and the education of the wheat grower in caring for and handling his crop to get the greatest returns per acre for his labor.

Dean Webster estimates that the legitimate yield, computed at the rate of 15 bushels per acre of five pecks for seven years, would be 44,789,760 bushels. The Experiment Station hopes to locate at least one million and a quarter bushels of the best wheat in the state for next fall's seedling. At an average yield of 15 bushels per acre, this would produce 15,000,000 bushels, or twice the amount of good seed that would be necessary for the next succeeding fall.

Director Webster states that the better strains of the Turkey type of wheat have been bred up, and are the best for Kansas conditions. On these the college has averaged 43.4 bushels per acre for five years, on average upland, while the general average for the state is less than 14 bushels.

Included in this proposed campaign will be an investigation of the damage done by the weevil in the field, shock, stack, bin, elevator and mill, and he announces that the Experiment Sta-

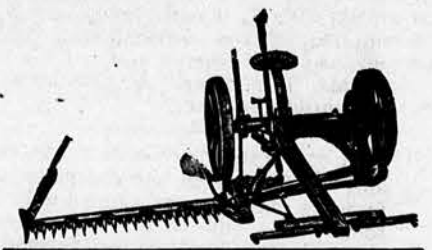


swift aeroplane has not exceeded 50 miles an hour, and the speediest motor boat has averaged just less than 38 miles. Horses have traveled faster than steamships as the Mauretania's record of 30 1-2 miles is not as fast as the running horse, Salvator's 37 1-2 miles or the pacer Dan Patch's time 32 1-2, although a trotting horse has made but 30 and 4 tenths miles per hour. An interesting comparison can be made of these rates of speed and a man skating 27 miles an hour, running 14 miles an hour, rowing nearly 13 miles per hour, walking 9 miles an hour or swimming 2 1-2 miles an hour.

Traveling at the rate Oldfield drove the 200 horse power Benz the journey from New York to San Francisco

A Concrete Power House.

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Season in, season out it cuts over all kinds of ground and goes through heaviest grass without choke-downs, breakage or trouble of any kind. The gears are compensating—neither work out of mesh nor wear apart. Has the strongest braced cutter-bar, too, with a protected Pitman that gives a long, unerring stroke, applying power direct to cutter-bar without lost motion.

Is strong where others are weak. The Dain is the only mower in which the cutter-bar can be re-aligned at a moment's notice. A monkey wrench does the business in a jiffy.

Dain Vertical Lift MOWER

A boy can lift cutter-bar right from the seat by hand, foot or both at once. Tread the Dain with its, can easily be passed—and you never have to back up with a Dain. This mower is built of few parts, is so simple in construction that any one can operate it and its durable, too.

Dain Hay Tools Make Biggest Hay Profits

After hay is cut with a Dain mower, it can best be cured and handled by Dain rakes, loaders or stackers, because like the mower, these machines are built by specialists who for 25 years have been making successful hay tools that get the biggest value out of hay.

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and caused 2165 out of a total of 2960 fire losses to farm buildings in one year in one state according to an official report of 111 fire insurance companies. Do you realize that this means over 75 per cent. of all fire losses are caused by lightning?

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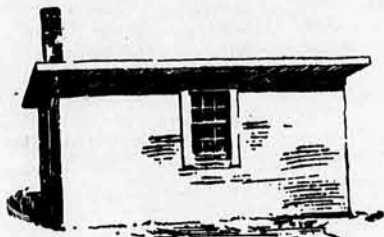
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ger from fire growing out of the use of gasoline engines than there would be from the use of steam engines, and possibly not so much, the fact remains that there is always danger of fire where either is used.

A cheap and simple solution of this problem of fire prevention has been solved on the Sunny Slope Farm, owned by Senator C. A. Stannard at Emporia, Kan., who erected a small power house as shown in the illustration, which is composed entirely of cement concrete. The walls are built in the usual way by the erection of forms into which the cement is compacted. After the walls have had opportunity to season the wooden forms are removed and the cement floor is then laid according to the most approved formula. If broken stone or gravel is an ingredient it is best handled by building a smooth platform of boards and then constructing two bottomless boxes for measuring the ingredients. A sack of cement contains approximately 1,900 cubic inches. The bottomless box for sand measure should be double this capacity and is made of boards 18 by 24 inches and 9 inches deep. Another measure should be provided for the broken stone in the same manner but double the size. Set these boxes on the floor and fill the smaller one level full of sand and the larger one level full of broken stone or gravel. Lift the boxes from the floor, empty a sack of cement nearby and mix all the ingredients together carefully before wetting. This gives a concrete mixed in the proportion of one part of ce-



ment, two parts of sand, and four parts of broken stone or gravel. These proportions may be varied to suit the purposes in hand.

After the walls are built a form for the roof is built on trestle work which is erected both inside and outside the walls. A considerable quantity of concrete will be needed for this part of the work, as the entire bottom must be laid in concrete before the reinforcing rods are put in position. These rods may consist of almost anything of sufficient strength to support the weight. Corrugated rods may be purchased or old gas pipe may be used. In one case even some old railroad irons were found available. Supposing the roof is six inches thick, about two inches of cement should be laid, then the reinforcing rods placed in position, and the space above and between tamped with concrete until the top of the form is reached. This is allowed to remain in place until firmly fixed, which will require a week or ten days, when the forms and scaffolding may be removed and the building is then ready for the installation of the gasoline engine, the feed grinder, the feed cooker, and whatever else may be desirable.

Information Wanted About Wheat.

For several years the Agronomy Department of the College has been aiding the farmers, millers and elevator men in securing good seed wheat. A limited amount has been supplied each year by the College and the Fort Hays Station. In addition to this a list of farmers having seed wheat for sale has been prepared and distributed. Last year a list giving names and addresses of 85 men from whom seed wheat could be obtained was supplied to those desiring it. This wheat was grown from seed originally coming from the Experiment Station, and about 75,000 bushels were offered for sale by these men.

In addition to this the Agronomy Department supplied 1,165 bushels of good seed. This was sold to 125 farmers within the state. There will undoubtedly be a good demand for suitable seed wheat this fall.

In order to be able to recommend any seed wheat offered for sale by the farmers of the state, it is planned to send out competent men to inspect the fields between the time of heading out and harvesting. Since the time during which this work can be done is quite limited, it is desired that all

farmers growing wheat which they expect to sell for seed send the following information regarding their 1910 wheat crop to—L. A. Fitz, Manhattan, Kan.

1. Name of variety.
2. When and where did you obtain seed of this variety?
3. How long have you grown it?
4. What has been the average yield per acre secured from it?
5. How does this yield compare with that from your other wheat?
6. How many acres of this variety will you harvest this season?
7. What yield do you expect?
8. Location of farm:—Give county, with distance and direction from nearest town or postoffice.
9. Give any additional information or suggestions which you deem would be helpful to the work.

This information should be forwarded not later than May 1, 1910.

BUILDING PLANS

Send me outline of your needed improvements and 25 cents and I will send pencil sketches and estimates of cost, etc. Round barns a specialty.

BENTON STEELE,
Drawer 17, Halstead, Kan.

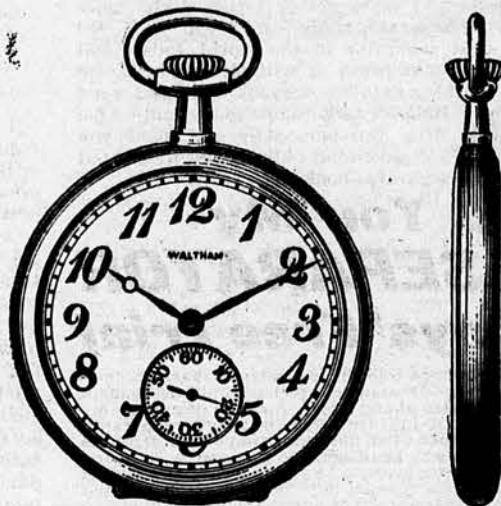
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Send for the "Perfected American Watch," our book about watches.

How Much Rain Is Necessary for a Crop?

The economical use of water has long been a broad field for study by investigators the world over. Below is a table showing the use made of water by the standard crops under Kansas conditions.

As will be seen sorghum produced the largest growth of dry matter as well as the highest number of pounds of dry matter per inch of rainfall. This would indicate that it is the best drought resistant crop. The second best is Kafir with a total yield of 6,811 pounds per acre and a yield per inch of rainfall of 401 pounds.

RESULTS OBTAINED AT KANSAS EXPERIMENT STATION.

Water used by different crops. Average for three seasons—1903-05.

NAME OF CROP	Average period of growth	Average water used per day	Total water used by crop	Yields per acre	Grain produced by 1 in. water	Total dry matter per acre including straw and stalks	Pounds of dry matter produced per acre by 1 in. water	Fall condition moisture first six feet of soil	Per cent.
Wheat (winter)	170	0.131	22.27	18	.81	2,399	108	23.61	
Oats	108	.190	20.15	32	1.58	3,530	175	23.91	
Barley	102	.178	18.20	18	.99	1,918	105	23.79	
Emmer	116	.187	21.69	28	1.20	2,797	129	23.48	
Flax	102	.219	22.33	8	.39	1,054	88	23.48	
Millet	78	.214	16.71			3,338	199	24.22	
Sorgh'm (sowed)	110	.166	18.25			10,749	509	23.09	
Soy Beans	105	.152	15.91	14	.88	1,853	116	24.40	
Kafir Corn	116	.146	16.98	50	2.02	6,811	401	23.03	
Corn	137	.194	26.64	40	1.50	4,424	163	23.5	

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SEND me your name—just tell me how many cows you milk, and I will write you my personal advice so you can try for 30 days free the best Galloway Bath-In-Oil Cream Separator to do your work—over 200 to 950 pounds capacity per hour, according to your needs. Spend a cent now, this way, for a postal and you can just as easily save from \$25 to \$50 as not. Why pay more when for only \$33.50 and upward, I prepay the freight to you on 30 days' free trial—90 days' approval test, if you say so, and give you my 30 years' guarantee? You cannot get a better offer—to make you more money or save you more money on any separator made—and I will send you the best separator in the world today and you can prove it without any salesmen there to talk you over. Why not send Galloway your name today and let me write you personally and send you my splendid, big, color-illustrated separator book right away.

Let Me Send You My GALLOWAY Bath-In-Oil SEPARATOR On My Real 30 Days' Free Trial

YOU can test the Galloway alongside of the highest priced \$85 to \$110 separators sold by anybody today—to prove that my new Bath-In-Oil principle is the greatest invention in separators in history. Gears run in oil like a \$5,000.00 automobile. Dust-proof—no oil-hole. Impossible to heat or wear or put out of commission the splendid mechanism which gets you the biggest profits—all the cream—all the butter fat. All gears enclosed—handsomest machine made (as you can tell below by the illustration), milk and cream spouts high for cans; lowest revolving milk tank, only 38 inches high; so no high lifting. The Galloway is the easiest to clean, with few parts, which come out easy and cannot get back out of place; easiest to run; high crank; low tank; no high lifting and no "back breaking" cranking. Gets the finest cream qualities—and all of it. No lumps or churning, as Nature's true principle is followed without forcing either the milk or cream the wrong way up or down. Skims closest, in any climate or season, no matter whether your milk

is warm or cold. This handsome machine, compact and substantial, with beautiful finish, cannot be beaten at any price. And you cannot get my new Bath-In-Oil principle on any other separator. Remember, that this is most important. It proves to you why I can afford to give you a 30 years' guarantee because I know that the parts cannot wear this out—get hot—clog—or clash and put the separator out of commission like others do where you have to be remembering to oil them all the time. The Galloway is the only separator into which you can pour oil at the top once a month from your oil jug, or can, and have it oil itself without danger of running dry or ruining it like others. This costs you nothing extra—is worth \$50.00 more than separators built the other way. Remember, that I am an actual manufacturer—not a supply house, catalog house, dealer or jobber. You get the lowest direct factory price from me every time. Write me today for my big separator catalog and let me quote you prices that will astonish you.

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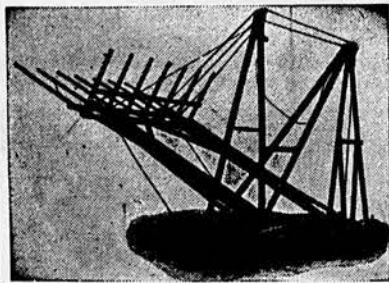
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FARM INQUIRIES



ANSWERED BY
Prof. A.M. Ten Eyck

Alsike Clover.

I have a wet piece of land and would like to know if alsike clover will do well on it? Is alsike clover good for hogs? When is best time to sow?—Thos. A. Wells, Tonaway, Kan.

Alsike clover is better adapted for growing on wet land than other clover. It also makes excellent hay, being of finer quality than the common Red or Mammoth clover. It makes good pasture for hogs and the hay may be fed to hogs but is not so good for this purpose as alfalfa. Prefer to sow early in the spring in a well prepared seed-bed; sow about eight pounds of good alsike clover seed per acre or for pasture you may seed a couple of pounds extra per acre. We have no publication on clover. I refer you to an excellent book on this subject, "Clovers", by Professor Shaw, published by the Orange Judd Company, Chicago, Illinois. I am also mailing you bulletin No. 155 on "Alfalfa." The principles of seed-bed preparation described for alfalfa apply equally well to clover but prefer to sow clover in the spring.

Planting Rape Seed.

Please tell me how to plant rape seed, the kind of soil I should have and how to prepare the ground.—C. V. Warner, Arlington, Kan.

Rape may be planted in a variety of ways. For early spring planting doubtless the best method is to plant in rows and cultivate the crop. Later in the season rape may be sown in close drills or broadcast in a clean, well prepared seed-bed and given no further cultivation after seeding, or it may be seeded with some small grain crop early in the spring such as oats or barley, or the rape may be sown in winter wheat and the seed covered by harrowing. The method of seeding with some small grain allows for the sprouting of the rape seed and a dwarf growth of rape during the early part of the season, but when the grain is harvested the rape makes a renewed growth and may furnish much pasture.

When planted in rows the rows should be about three to three and one-half feet apart so as to be readily cultivated. Planting in rows requires only a small amount of seed, not over two or three pounds per acre. Rape seed is very small and difficult to sow thin enough with the ordinary grain drill. At this Station we have sown the rape with the grass seeder attachment to the grain drill but the hose from the grass seeder dropped the seed in the drill furrow or row. An ordinary grass seeder attachment to the drill could be used for broadcasting or the rape may be sown broadcast by hand.

Rape is often sown with a little garden drill. It is necessary in this case to have the seed bed in a very finely pulverized, level condition; in fact such a seed-bed is preferable even when the rape is sown broadcast or with the grain drill. Care should be taken not to plant the seed too deep; an inch or less of mellow soil covering the seed is sufficient.

Rape may be planted quite early in the spring and at almost any date from early spring until mid-summer; in fact it is desirable to make a succession of plantings so as to have the crop come on at different dates when the purpose is to use the rape for pasture.

We often sow rape at this Station in the grain stubble immediately after wheat harvest, either disking the ground or plowing shallow, when the seed-bed is thoroughly pulverized and leveled with the harrow. We have produced a good stand of rape also by simply following the binder with the disk drill without any cultivation preceding the planting. This method is practicable only when the ground is free from weeds and in mellow condition. Rape sown after wheat in this way will usually make an excellent

growth and furnish fall pasture or the crop may be plowed under for green manure.

Another method of using rape is to sow in corn at the last cultivation or soon after the corn is laid-by. The rape may be sown with a one-horse drill, prefer to sow one or two drill rows of rape mid-way between the corn rows. The rape may be pastured off in the fall with sheep or the corn may be hogged-down when the rape will furnish some green forage for the hogs along with the corn. When sown broadcast or in close drills five or six pounds of seed are required to plant an acre.

Any good land which will produce good corn is also adapted for growing rape but the more fertile the soil the greater the growth of rape.

Sheep and cattle may be attacked by bloat from feeding excessively upon rape. Rape does not have any injurious effect on hogs; in fact the crop makes an excellent green forage for hogs and is well adapted for growing with corn as described above.

The crop is also excellent for green manuring, the preferable plan being to plant after grain harvest as already described, when the rape may be plowed under fairly early in the fall before heavy frost and the ground planted with corn or some inter-tilled crop the succeeding season.

Condition of Wheat.

The Kharkof wheat is very little damaged, other varieties are injured 15 to 25 per cent. Remember that two kinds of wheat were put in same ground, receiving the same cultivation, etc. I wish that I had sown all Kharkof wheat.

Stafford county wheat will not make over 35 per cent of a crop. How does wheat look over the state? Very dry here. How is the Kharkof wheat on College farm?—George Mueller-Hudson, Kan.

I thank you for your favor of April 1st and do not think that this is an "April Fool" report, since I have received other letters giving similar information regarding the Kharkof wheat. Perhaps one of the reasons why the Kharkof wheat has apparently withstood the winter better than other wheat is due to the fact that it started better last fall, due in part to the stronger seed. We observe here that the earlier wheat stood the winter better than that sown a little later, due probably to the fact that the early sown wheat covered the ground better and got a stronger root hold.

Wheat is generally a very poor stand and promises to be a poor crop throughout the central portion of the state east of Stafford county, but the wheat improves as you go west, and western Kansas should harvest a large crop of wheat unless some accident occurs between now and harvest time. Of course if the weather continues dry too long, the wheat will be injured but the moisture condition of the soil in western Kansas has seldom been better than it was this spring. Part of our Kharkof wheat on the College farm was destroyed by the winter freezing but that which remains is the best wheat which we have on the farm. We were placed at a disadvantage by seeding rather late last fall. The latest sown wheat was entirely destroyed. I am pleased to receive your letter and hope that you may make further report at harvest time.

Alfalfa, Sweet Clover.

I have just moved from Mitchell county, Kansas to Labette county, and would like to know if you think I can grow alfalfa here on the divide, or on this valley land as some call it; it is not creek bottom. They raise alfalfa here on the creek bottoms, but I see none on the other land. My place lays nice, with a gradual slope to the east, enough so I hardly think the water will stand on it. I thought I would prepare a small piece of (Continued on page 15.)

HORTICULTURE



Contracts have been let for the erection of six new greenhouses for the horticultural department of the Agricultural College. These greenhouses will be used for demonstration purposes and will be built at a cost of about \$10,000. This is one of the departments where more room has been needed in that institution for some time.

Spraying Economically.

The Missouri Valley Orchard Company has a tract of about 800 acres of apple orchard in Leavenworth county which it handles in the most scientific manner. Near the center of the orchard is established a compressed air pumping plant consisting of an air compressor, a steam boiler, a gasoline engine and spray mixing tanks. All sprays are mixed at this central plant and are then distributed to different parts of the orchard in spray wagons. These wagons carry two tanks, one of which contains the spraying solution and the other compressed air for power. Attached to the spray tank is a system of six leads of spray hose and the spray is forced through these at a pressure of about 150 pounds to the square inch. Under the system in operation at this point it only requires about two minutes to fill the 150 gallon spray tank from the central plant.

For commercial purposes in a large orchard this central plant system seems to be the best and most economical that has yet been devised. As each wagon is charged at the central plant it is driven to the portion of the orchard where the spraying operations are under way and is there met by the men who have charge of the hose and spray nozzles. The hose and nozzles are attached and the spraying progresses until the reservoirs are empty when the wagon is immediately turned back to the central plant and its place taken by another. About fifty acres of orchard are thus thoroughly sprayed each day and there is no bother from operating the individual gasoline engines or hand pumps mounted on separate wagons.

For Potato Growers.

Potato growers throughout the west will be interested in the experimental work which is now being planned for this summer by the horticultural department of the Agricultural College. The basis of the work will be a test of seed through methods of growing, cultivation, spraying, etc., will have full attention. Home grown seed that is one year old will be compared with home grown seed that is 16 years old; with northern grown seed and with seed from the second crop. The second crop seed which will be used in this experiment was obtained in the following manner: The potatoes were planted in the spring and dug in midsummer. They were allowed to dry a few days and then planted again. Some of the larger eastern potato growers had reported increased yields the following year after having used this kind of seed and this will be a matter of test for Kansas conditions.

The potato seed will be immersed in formaldehyde or corrosive sublimate as a protection against potato scab. During the growing season the potatoes will be sprayed with Paris green, arsenate of lead, Bordeaux mixture, lime and sulphur spray and a combination of Paris green and arsenate of lead so as to test all the different sprays in common use.

Another test will be made by planting potatoes on ground that was in potatoes last year, on that which has been in potatoes four years, and on that which has been in potatoes for six years. This will be for the purpose of testing the danger of contagion of potato scab from old potato ground. Most of the potatoes to be planted, however, will be in ground that was in corn or alfalfa last year. About eight acres will be on the College farm and the remainder will be in co-operative tracts on the Kansas River bottom land near Manhattan.

Catalpas for Fence Posts.

About twelve years ago the Fort Scott & Memphis Railroad Company began an experiment in raising catalpa and black locust trees for the purpose of supplying their demand for fence posts and possibly railroad ties. This experiment was located on a farm at Farlington, Kan., and has been watched by hundreds of interested parties to their profit. While it was found that the locust made the best growth during the first year it was also found that at the end of this period of twelve years the catalpa had made a much larger growth and furnished a better quality of wood. Locust is susceptible to insect injuries and the attacks of various diseases while Catalpa speciosa, which is the only kind that should be planted, is remarkably free from both. Again, it is found that locust is subject to checking and weather cracks and is a difficult wood to handle when building wire fences although it lasts well in the ground. Catalpa speciosa suffers from none of these disadvantages and will outlast even the locust when put in the ground.

At the end of the twelve year experiment it was found that the catalpa farm at Farlington, Kan., had produced fence posts to the value of \$390.20 per acre, while the expense incurred was \$124.51 for the entire time. This left a profit of \$265 per acre, or \$22.14 per year of cash income with the plantation remaining in better shape now after having been thinned than it was before. It is doubtful if the corn raiser in the same vicinity has averaged as good a profit for the same length of time. It must be remembered that Catalpa speciosa is the only variety that can be used with profit for such purposes as the other varieties have no value except for shade trees.

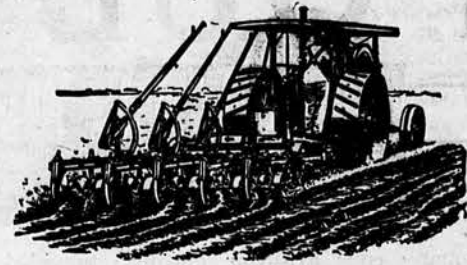
School Gardens in Kansas.

Prof. H. D. Hemenway, of Northampton, Mass., is recognized as the father of the school garden movement in this country. His work in New England has been little short of a marvelous in the awakening of a higher civic life, the development of the love for beautifying the homes and towns. He has lectured all over the eastern half of the United States, at first showing with the stereopticon, pictures of village homes in Europe with occasionally an American home. Now he shows hundreds of pictures of homes of the middle classes and the wage workers of New England, that are very beautiful; shows contrasts, as they were one spring and as they were in midsummer after the gardens had been planted to vegetables and the yard made beautiful with flowers and shrubs; shows pictures of scores of "School Garden Clubs," awakened boys and girls who have learned the possibilities of the soil.

The extension department of the Kansas Agricultural College has secured Professor Hemenway's services for two weeks beginning April 11, and Mr. Miller, superintendent of extension work, expects to arrange meetings in ten or twelve towns and cities where public spirited men and women are interested in getting this work started. The plan will be to visit in the morning of each day a few of the schools and to confer with teachers and with the Commercial Club officers and with the officers of the women's clubs and with the city officials relative to the best place for getting the work started. In the afternoon Mr. Miller and Professor Hemenway will be glad to address a meeting of all interested at 2 o'clock, and then at 4 o'clock Professor Hemenway will give a stereopticon lecture to both adults and the children showing what has been done elsewhere in the way of opening school gardens and in making a town beautiful. It is hoped that the interest will justify the closing of stores and places of business for a part of the afternoon in order that everybody may have a

(Continued on page 15.)

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It has been proved beyond question by competitive tests in this country, Canada and Europe that plowing can be done with greater speed, efficiency and economy with an International Tractor than with any other power.

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—You have an economical, dependable power always ready for drawing heavy loads, road making, running threshers, shellers, shredders and other machines and hauling them from place to place.

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Its consumption of gasoline is less per acre than any other gasoline tractor. It can be turned around in less space than any other. It can be used where other outfits can not because of their excessive weight. You will find the machine for your requirements in the I H C line. See the local dealer or, if you prefer, write direct for catalogue and full information.

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An engine that is made so good in the factory that I will send it out anywhere in the U.S. without an expert to any inexperienced users, on 30 days' free trial, to test against any engine made of similar horse-power that sells for twice as much, and let him be the judge. Sell your poorest horse and buy a

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POULTRY



How many eggs are you getting from your flock of hens these days?

This may seem a trivial inquiry, but it is not; especially if the number of eggs you are getting are much less than the number of hens you have on hand.

If the percentage of eggs and hens are radically different, there is something wrong about your flock. Probably you are keeping a number of non-producers.

It does not pay to keep hens that do not lay, especially there days when the price of feed is so very high. Find out the ones that are not laying and dispose of them at once to the butcher.

It will pay you to look over your chickens and see if they are not bothered with lice. This kind of weather is favorable to lice and they should be suppressed before they get too numerous.

The best way to get rid of lice on fowls is to dust them thoroughly with insect powder. Catch the chicken and rub the insect powder all through the feathers, up and down and all over and the lice will soon be things of the past.

If you have too many setting hens and wish them broken up, the easiest way to do it is to place the hens in a coop or box that has a slatted bottom. The box should be set on bricks or rocks a few inches from the ground, so that the air can circulate freely under the box and under the hens, thus cooling them and getting rid of their feverishness. The slats on the box should be about two inches apart.

A subscriber wishes to know what a "dry mash" is. A dry mash is a mixture of ground grains that is fed in a dry state. A mash is generally supposed to be ground feed of different kinds mixed with water or milk and fed to the hens, and a dry mash is somewhat of a mis-nomer and we do not wonder at our subscriber being juggled by the name.

If you have a lot of meat bones on hand and have no bone-mill to grind them, put them in the stove and burn them till they can be broken easily with a hatchet and feed to the hens. They will be delighted with them and they will do in place of meat as well as being very healthy and take the place of charcoal.

Now that the laying season is in full blast, you should provide plenty of nest boxes for the laying hens; otherwise too many hens are apt to crowd into one nest and break the eggs. The hens then get to eating the broken eggs and the egg-eating habit is formed, which is a very difficult habit to cure.

Where fowls are confined in small run-ways, the yards should be spaded up occasionally. The hens will like to pick out the worms and to dust themselves in the fresh moist earth. A hen prefers moist earth to dust and clean herself than she does dry dirt and we believe it is better for her, it seems to stick to her feathers.

If you would have healthy fowls you should not feed or water them in filthy vessels, nor should the feed be thrown among the filth for the fowls to pick at. If the feed is a mash it should be fed in a clean receptacle and if grain it should be strewn on a board or some other clean place.

The composition of an egg is necessarily composed of lots of water and unless fowls have plenty of pure fresh water they cannot manufacture eggs. During warm weather especially they drink lots of water and it should be

provided in abundance at all times. We would not write of this only we know that it is often neglected. We have seen hens cooped up in a small pen with not a drop of water in sight nor any place to which they could go and get some. Feed should not be placed before them at all times, but water certainly should.

A correspondent wishes to know what to do when the shells of eggs are so hard that the chicks cannot break them. Also whether he is feeding too much grit and oyster shell and so making the shell too hard. We would not advise curtailing the supply of grit for we hear more complaint of soft-shelled eggs than hard-shelled ones, and think probably there may not be energy enough in the chick to break its way out, and if it has not stamina enough to do that, it would not thrive anyway, even if helped out of the shell. It would not be a bad plan however to sprinkle the eggs during the last few days of the hatch with warm water so as to rot the shells and make them more brittle.

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WHITE WYANDOTTE EGGS

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BARRED ROCKS—High class show and utility stock. Pen eggs \$3 per 15, \$5 per 30; utility \$4 per hundred. Send for circular. No stock for sale. C. C. Lindamood, Harvey County, Walton, Kan.

WHITE WYANDOTTE EGGS for sale, \$1.50 for 15, from high scoring pens. B. H. Carrithers, Severy, Kan.

WHITE PLYMOUTH ROCKS—10 cockerels and a few pullets for sale. Eggs \$1.50 per 15, \$2.50 per 30. J. C. Bostwick, Route 3, Hoyt, Kan.

EGGS for sale, S. C. Brown Leghorn and S. C. Rhode Island Red, \$1.00 for 15; \$4.50, 100. Special matings both breeds. Mrs. T. I. Wooddall, Fall River, Kan.

S. C. R. REDS—First pen headed by first cockerel at Kan. state show; 2nd by winner at Mo's. best show. Eggs from either pen, \$3 per 15. Third pen \$2 per setting. DeLoss Chapin, Green (Clay County), Kan.

BARRED PLYMOUTH ROCK EGGS. Pen 1, \$2 per 15; 3 settings, \$5. Pens 2 and 3, \$1.50 per 15. Range, \$1 per 15 or \$5 per 100.

MRS. CHAS. OSBORN,

Member A. P. A., Eureka, Kan.

S. C. BUFF LEGHORNS. No more stock for sale, but eggs from prize winners; Pen 1, \$2 per 15; pen 2, \$1.50 for 15; incubator lots \$5 per hundred.

CEDAR GROVE POULTRY FARM,

M. KLEIN & WIFE, Props.,

Clay Center, Kansas.

D. W. YOUNG STRAIN of S. C. White Leghorns prize winners at three state shows. Eggs \$1.50 for 15; \$5 per 100. Barred Rocks, "Ringlet" strain, \$2 for 15 eggs. Eggs packed with care.

C. H. McALLISTER,

Carmen, Oklahoma.

THE EGG SEASON IS ON.

We are shipping every day from all the leading varieties of poultry, large flocks on free range; orders filled promptly. My own special egg crate used. Price \$6.00 per 100. M. B. turkey eggs \$2.25 per 9. Write for circular. Address

Walter Hogue, Fairfield, Neb.

EGGS, CHICKS.

S. C. White, Brown and Buff Leghorns and R. C. R. I. Red. Bred from heaviest laying and winning strains. Eggs for hatching and day-old baby chicks. Full count and live delivery guaranteed. Write for circular and prices.

PROSPERITY POULTRY FARM

Barnes, Route 2, Kansas.

EGGS EXTRA WELL PACKED. \$1.00 for 15; \$5.00 per 100. From White Faced Black Spanish, Leghorns, Wyandottes, Rocks, Rhode Island Red, Light Brahmans, Black Langshans and Black Faced Japanese Bantams. Each bred on separate farms. Circular free.

H. W. CHESTNUT,

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BLUE BARRED ROCKS. Eggs from both, cockerel and pullet matings of very best. Exhibition matings \$3.00 per 15, \$5.00 per 30. Males—narrow barring and barred to skin, good in fancy points. Laying strain of fine farm raised flock. \$1.00 per 15; \$5 per 100.

MRS. W. B. POPHAM,

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Best feed for your baby chicks

It is no trouble to hatch chickens, but it takes the proper Feed to raise them: use **Otto Weiss Chick Feed**

a complete balanced Ration; it develops bone, flesh and feathers, saves your Chicks, and they make a rapid growth. Send for circular and prices on Poultry Supplies

Otto Weiss Alfalfa Stock Food Co.
Wichita, Kansas

A MILLION INCUBATOR CHICKS

DIE EVERY DAY. We have a HOME remedy that will positively prevent or cure any kind of bowel trouble in young chicks at any age. Send us the names of 5 to 8 of your friends that use incubators, and we will send you this information free and allow you 25 cents for sending names. This will be worth \$100 to you this summer. Send the names today. The information is free.

RAISALL REMEDY CO., Blackwell, Oklahoma.

WHITE PLYMOUTH ROCKS

(EXCLUSIVELY.)

For 18 years I have bred White Rocks, the best of all purpose fowls, and have some fine specimens of the breed. I sell eggs at a reasonable price. \$2.00 per 15, or \$5.00 per 45, and I prepay expressage to any point in the United States.

THOMAS OWEN,

Topeka,

Kansas.

No. 750
Price, \$3.50

"ENTERPRISE"
BONE, SHELL AND CORN MILL

Just the mill for farmers, poultrymen and all who keep poultry. Cracked grain, ground bone and shell is the proper food to feed to increase the egg production, and with one of these mills you can turn grain and waste materials into food for your poultry.

The "ENTERPRISE" Mill is thoroughly reliable. Runs easily, is strong, durable and doesn't get out of order. Look for the name "ENTERPRISE" on the machine you buy. Mill shown in cut weighs 60 lbs. Grinds DRY bones, Oyster, and other shells. Capacity 1½ bushels of corn per hour.

Illustrated catalogue free. Our famous recipe book, the "ENTERPRISING HOUSEKEEPER," sent anywhere for 4c in stamps.

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During this month we will send every purchaser of a

SURE HATCH BONDED INCUBATOR

one of our Brooders at actual Half Price. Every Sure Hatch Incubator is positively guaranteed to give satisfaction, and the guarantee is backed by a \$1,000,000 Surety Bond issued by the Bankers Surety Company of Cleveland, O. One of these bonds is actually placed in the hands of every purchaser of a Sure Hatch Incubator. 60 days free trial. If you want a good brooder for only Half Price, get in your order at once for this offer holds good only a short time.

Sure Hatch Incubator Co.,
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Your Name Will Get \$2 Eggs

For 50 Cents Per Sitting

The White and Brown Leghorns are the greatest layers in the world. I keep 2000 of the celebrated Chamberlain laying strain on my Experimental Farm, and to increase the sale of my Perfect Chick Feed, I will send to any one who will send me their name so I can send them my Perfect Chick Feed Catalogue, 2 sittings of Single Comb Brown or White Leghorn Eggs for \$1 for the 2 sittings. Not less than 2 sittings sold. Eggs by the 100, \$5. White or Barred Plymouth Rock or Rhode Island Red or Silver or White Wyandotte or Rose Comb Brown Leghorn or Single Comb Black Minorca Eggs, \$1 per sitting. Large Bronze or White Holland Turkey Eggs, \$2 for 10 Eggs. Large White Pekin Duck Eggs, \$1 for 10 Eggs. This is a rare chance to get a start of extra fine stock. Send Post Office orders on St. Louis and have your orders booked early. Fine Roosters for breeding, \$2.00 each. **W. F. CHAMBERLAIN, (The Perfect Chick Feed Man)**
Kirkwood, St. Louis County, MO.

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Double cases all over; best copper tank; nursery self-regulating. Best 140-chick hot-water Brooder, \$4.50. Ordered together \$11.00. Satisfaction guaranteed. No machines at any price are better. Write for book today or send price and save waiting.

Belle City Incubator Co., Box 18 Racine, Wis.

125 Egg Incubator and Brooder Both \$10

If ordered together we send both for \$10. Freight paid out of Rock. Hot water, copper tanks, double walls, double glass doors. Free catalog describes them.

Wisconsin Incubator Co., Box 129, Racine, Wis.

Chicken Business There's Fortune in It. Get Busy. We start you. Most successful Poultry Farm. Thousands to choose from. Buy Eggs for Start. Low prices on fowls, eggs, incubators, etc. Big illustrated, valuable book, "Profitable Poultry," sent for 3 cents.

BERRY'S POULTRY FARM, Box 57, Clarinda, Iowa.

TENNEHOLM LANGSHANS—The Big Black Kind. Eggs \$1.50 per 15; \$2.50 per 30. **MRS. F. S. MYERS, Chanute, Kan.**

EGGS

S. Spangled Hamburgs, S. C. White and Brown Leghorns, \$1.00 and \$1.50 per 15, \$5 per 100. Stock the best.

VIRA BAILEY,

Kinsley,

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WE LAY FOR YOU

Smith's Barred and White Rocks. Send for matings and price list.

CHAS. E. SMITH,

Baynesville,

Box 8, Kan.

BARRED PLYMOUTH ROCKS.

Bred for beauty and profit. \$3 regular premiums. Eggs: 15, \$2.50; 30, \$4.50; 60 \$8.00; 15, \$1.00; 60, \$3.25; 100, \$5.00. **Mrs. D. M. Gillespie, Clay Center, Kan.**

BUFF COCHINS.

For sale, cockerels, \$5 up. Females, \$2.50. Trios, \$10.00. Won 27 prizes in 1909.

J. C. BAUGHMAN,

Topeka,

Kansas.

PURE BRED WHITE WYANDOTTE eggs from prize winning strain, \$1 per 15; \$5 for 100.

MRS. H. S. ADAMS,

Route 8,

Wichita, Kan.

BUFF ROCKS.

Vigorous. Farm Raised Prize Winners. Eggs \$2.50 and \$3.00 per 15; range \$1.00 per 15; \$5.00 per 100. **W. T. and Mrs. C. V. Ferris, Effingham, Kan.**

BUFF ORPINGTONS.

50 fine cockerels from prize winning stock. My book tells why they are such wonderful breeders; why my hens are such great layers; sent for 10 cents. **W. H. Maxwell, R. 95, Topeka, Kan.**

EGGS FOR SALE

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. **MRS. S. T. WHITE OF WHITE BROS., R. No. 1, Buffalo, Kan.**

SHELLEY BROS. BARRED ROCKS. Won 61 premiums at Kansas State Poultry Show, Central Kansas Show, and State Fair. Eggs from pens 15, \$3; 30, \$5. Satisfactory hatch guaranteed. Circular free. Lock Box 7, Elmdale, Kan.

LAY OR BUST

Send for our Poultry Almanac. Tells how to make your hens "Lay or Bust," also about our wonderful "Lullaby" brooders, costing only \$1.50, delivered to you. This book is worth one dollar, and costs you nothing but a postal card. **The Park & Polard Co., 46K Canal St., Boston, Mass.**

MAGIC NEEDLES RODS. Goldometers Chromometers, etc. for treasure seekers. Millions of wealth under your feet. Guaranteed for FREE! Best made. Interesting book let for stamp P. & M. AGENCY, 40 Elk St. PALMYRA, PA.

\$1.00 for 90 Cents

Here is a chance for some one wanting to go into business. If you will hurry, a \$10,000 stock of goods for sale at 90 cents on the dollar. Have to sell on account of health. Located in a town of 2,000 people, surrounded by farming country.

Trumby & Barrett, Ponca City, Okla.

(Continued from page 13.)
chance to hear the lecture and see the pictures.

Where connection for the "next town" will permit, an evening meeting may be held. Farmers with their families are cordially invited to attend these meetings. Dates will be made now about as soon as requests come in and a circuit can be arranged. Correspondence should be addressed to superintendent agricultural extension, Manhattan, Kan.

Alfalfa, Sweet Clover. (Continued from page 12.)

ground and sow some time in June; then in the fall sow another field to alfalfa, which is in oats at the present time.

Would you advise me to inoculate this ground with alfalfa bacteria from other fields, if so how long before sowing should this be done? Would it be well for me to manure this ground a little with well rotted manure before I sow the seed.

I was just reading in THE KANSAS FARMER in regard to sweet clover. Some think it is just as good feed as alfalfa and a great deal hardier. Do you think it would be well for me to mix it with alfalfa when I sow? Where could I get the seed of sweet clover? Do you believe that I could grow alfalfa better after growing the sweet clover on this land? The ground seems to pack and run together pretty badly. Also what kind of crops would be best for me to grow and plow under while green to fertilize the soil? How do green weeds compare with other crops? When could I obtain some New Era cowpeas? When should they be planted and in what manner?—J. H. Peder, Liberty, Kan.

I know of no reason why alfalfa may not be grown successfully on the divide or valley land in your section of the state. It appears to be true, however, that the farmers, in southeastern Kansas have not been very successful in growing alfalfa and perhaps one of the reasons is that the soil is not well adapted for growing the crop. In certain parts of southeastern Kansas the soil is underlaid with hard-pan or very compact subsoil which prevents good drainage and on such land the alfalfa will not succeed well; also some of the lands in your part of the state are lacking in lime. An application of lime previous to seeding the alfalfa may improve the chances for securing a good stand and successful crops. I have discussed these questions quite fully in a bulletin on alfalfa, No. 155, copy of which I am requesting the director of the Experiment Station to mail you.

You have referred to another point also which is important in securing a stand of alfalfa; that is, that the bacteria which grow on the alfalfa roots be present in the soil. In parts of the state where alfalfa is little grown the bacteria may be lacking and the scattering of soil from an old alfalfa field or the infection of the seed before planting may give great benefit in the growing of alfalfa on such land. You will find this matter explained in the bulletin referred to.

It is true also that much of the land in southeastern Kansas has been farmed a long time with corn and grain crops and is exhausted in humus and lacking in fertility. The application of barnyard manure and the plowing under of green crops are good methods of adding humus to the soil and increasing the fertility and this may be necessary before the land will grow alfalfa successfully.

I am mailing you circular letter giving some information regarding Sweet clover. I doubt whether it is equal to alfalfa in feeding value either for pasture or for hay but it may be a hardier crop and will grow under conditions where alfalfa will not succeed well; also it is a good crop to prepare the land for alfalfa. You may secure the seed from seedsmen.

The Sweet clover will make a good green manuring crop; also you may use cowpeas, another legume which is also a good crop to grow in rotation with corn and other crops. Other crops may also be used for green manure, such as small grains, rape, millet, Kafir corn and cane. I prefer to plant a crop to plow under for green manure rather than to depend on weeds, however, the plowing under of weeds will add humus to the soil. The danger is that some weeds may be allowed to go to seed before they are plowed under; also some weeds have a poisoning effect on the soil which seems to be detrimental to the growth of crops.

Crops should be plowed under for green manure when they are immature and green or succulent so that the vegetable matter will decay rapidly. I am mailing you circulars 2, 3 and 5, giving information on manures, fertilizers and the rotation of crops as related to maintaining soil fertility. bulletin No. 160 on cowpeas and farm management pamphlet. The publications will give you a great deal of information on the subject in which you are interested.

You may secure the seed of the cowpeas from Kansas seed firms. We have a limited supply of the Gray Goose and Warren's New Hybrid peas yet for sale at this Station but our supply of New Era is exhausted. We are selling at \$3.00 per bushel f. o. b.

Legality of Wills.

Every person is interested in the disposition of his property at his death and should know absolutely that it will be received by those whom he desires to have it, without trouble or expense. Nathan Q. Tanquary, Continental Bldg., Denver, Colo., for more than 20 years has made a specialty of the law concerning wills, estates and diversion of property. No will drawn by Mr. Tanquary has ever been broken. All inquiries by mail or in person are treated with the utmost confidence and given careful personal attention.

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They mend all leaks in all utensils—tin, brass, copper, graniteware, hot water bags, etc. No solder, cement or rivet. Any one can use them; fit any surface; three million in use. Send for sample pkg. 10c. Complete pkg. assorted sizes, 25c postpaid. Agents wanted. Collette Mfg. Co., Box 1142, Amsterdam, N. Y.

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CONCRETE BUILDING

is what the foremost engineers of the present day are doing—adopted by them, after exhaustive tests, as the very best building material obtainable. Building with concrete is a simple operation when you come to think of it. Concrete is a Latin word meaning "to grow together." It is rock, sand and gravel "grown" or glued together with Portland Cement. Portland Cement is the glue. You obtain the rock, sand and gravel from the farm or near by and "grow" it together. The best concrete "glue" is

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Ask for it at your local dealers'. It gives you best results with no trouble to work it.

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them across the quarantine line and the grass is usually not ready for pasturing and on this account and also from lack of shelter large losses often occur. Several years ago four hundred head of Texas cattle were shipped into Toronto, Woodson county, the second week in April. The cattle were thin, there was no shelter except the blackjack trees, and the grass was very poor. The cattle were unloaded and driven out to the pasture in a cold rain storm which soon turned into sleet. The cattle coming from the warm southern climate were unused to anything of this kind and about three hundred and seventy-five out of the four hundred died. Of course large losses also occur in transit. Last spring thirty cars were shipped from Mexico to Buffalo, Kansas, to fill the large Glass pastures west of that place. Twenty-seven head of this consignment were thrown out dead at Hutchinson and 15 more died before they reached the pasture. The freight and feed while in transit for this shipment was \$3200.

Pasture rent has went up rapidly in that section in the past two years on account of these Texas cattle. Formerly the pastures were rented for a price that would average about two dollars per head per season for mature cattle, now the Texas cattle owners pay three dollars per season for everything. This has forced the price for pasture rent of the native cattle up to about two dollars and seventy-five cents per head.

These shipments are made up of all classes of cattle, cows, bulls, heifers, yearlings and older steers of almost every age. Of course there is some scrub stuff but the breeding of the average will compare favorably with the native stock. More than a majority are of Hereford breeding, the rest being mostly Shorthorns.

All of them are shipped under the feeding in transit rate and in July and August they are all reshipped to the central markets. The calves are usually shipped in for veal in the latter part of June or first part of July and the mothers are left about six weeks more to fatten up and then they too make the same trip. The date of shipment varies of course with condition of the market but the big run is made in August.

The business of shipping in and handling these cattle is in the hands of a few big operators and in the past has been fairly profitable, if no large losses of cattle occurred. However, in a large percentage of the cattle die there can of course be no profit.—F. B. N., Woodson County, Kansas.

S. G. WARNER, Gen'l Pass. Agt. Kansas City, Mo.



\$225 an Acre from Potatoes

Early potatoes are one of the best-paying crops raised in Southern Alabama, Western Florida, Tennessee and along the Gulf Coast. Good prices are always obtainable and demand for same beyond the supply. Read what a farmer at Summerdale, Ala., has to say on this crop:

"My yield of salable potatoes this year, per acre, was 150 bushels, which sold readily at \$1.50 per bushel, this being the first crop on the land. I followed this crop with sweet potatoes and sweet corn and then planted cow peas. I raised three crops on the land in one year, all of which brought good prices."

Sweet potatoes produce big returns and are usually planted after Irish potatoes have been dug. Two to three hundred bushels an acre are produced and bring from 50 cents to \$1.75 per bushel. Let me send you our illustrated booklets and learn what can be done in a country where fertile land can be purchased cheaply and where there are 312 working days a year. Low round-trip fares 1st and 3d Tuesdays each month.

G. A. PARK, Gen'l Ind. and Imm. Agt., Louisville & Nashville R. R. Room 212 Louisville, Ky.

ALFALFA SEED

prices and free samples. Address McBETH &

FOR SPRING SOWING. From locality where it grows best and most abundantly. Our seed won the gold medal at the St. Louis World's Fair in competition with the world. All our seed is native grown, plump and vigorous. Write us today for

ALFALFA SEED

Grown in Finney County in 1909. Red Texas Oats, Barley Macaroni Wheat.

Write for samples and prices. KNOX SEED CO. Garden City, Kan.

BROOM CORN

ACORN BRAND—The Seed to Demand. Sure crop, profitable—500 to 700 lbs brush, and 20 to 35 bu. seed per acre. Market conditions indicate it a profitable crop in Southwest this year.

Cow Peas. Improve soil. Make good hay. Cheaper than fertilizer. Write for prices—surprisingly low—and 1910 Seed Book.

ROSS BROTHERS SEED HOUSE, 221 E. Douglas Street, Wichita, Kan.

STAR SQUIRREL AND GOPHER POISON.

Sure death of gophers, rats and other pests. Cheapest guaranteed poison on the market. Ask your dealer for it. For information write J. E. Crabb, Clay Center, Kan., or the Comae Co., Minneapolis, Minn.

We have a large quantity of pure bred, well matured, well selected Boone County White corn. Shelled and graded, sacks included, \$2.00 per bushel. Crated in the ear, \$3.00; sacked in the ear, \$2.75.

H. O. TUDOR

Holton,

Kansas

economical is as follows: Take enough vinegar to cover the surface that you desire to paper and into this stir several eggs, according to quantity. Apply the mixture with a brush as you would apply paint. The vinegar serves to neutralize the lime in the whitewash while the egg acts as a sizing for the walls and permits the paper to be attached in the usual way with no danger of its peeling off.

From Our Readers

Shall We Feed Mules for Market?

I have a notion to buy up a lot of young mules this fall and feed them for next year's market. Do you think it would be a paying investment?—H. W., Shawnee Co., Kan.

The writer has never seen a time when good mules would not sell for something. The market for them seems never to be overstocked and, while prices vary as they do for other commodities, there is always a demand. The proposition of our subscriber partakes of the nature of a speculation in a slight degree but with the elements of safety strongly in the majority. If young mules can be bought right they will undoubtedly give a good account of themselves and the feed and care which has been given them. The enterprise is a legitimate one and promises a means of marketing the corn and alfalfa of the farm at much higher figures than if they were disposed of in bulk.

Southern Cattle to Kansas Pastures.

The shipping of Texas and other southern cattle into the southeastern part of the state, notably in the counties of Woodson, Coffee, Greenwood, Butler and the surrounding region has been greatly increased in the past two years. These cattle must be shipped in early in order to get



Kill the Ticks

Ticks are not only distressing to the animal but injure the fleece, and can be speedily destroyed with one part of

Dr. Hess Dip and Disinfectant

to 80 parts of water. This preparation not only kills the ticks, but destroys the poisonous germs of disease. Dr. Hess Dip and Disinfectant is also excellent for disinfecting barns, cow stables, hog pens, chicken yards, sinks, drains, cellars, cess-pools, etc.

It also kills lice, mites, sheep ticks, fleas and all parasitic skin diseases, such as sheep scab, mange, eczema, etc.

One part of Dr. Hess Dip and Disinfectant to 70 parts of water meets the United States Government requirements for official dipping for sheep scab.

If your dealer cannot supply you, we will. Write for circular.

DR. HESS & CLARK
Ashland, Ohio

Draft Horses as Farm Motors.
(Continued from page 3.)

would judge a stallion rather by his good, strong back and his legs. If you have a good level back, plenty of length, with the help of sound joints and good feet, the rest can be done in feeding. I want a clean joint, not a joint that shows, and sound texture of both bones and muscular fibre. I cannot describe the bone I would prefer any better than by comparing it with a razor blade. Take the razor with the back of the razor forward and you have a good description of the leg construction of the horse. You want what we call a medium bone. And in the selection of young stock—take the horse, for instance. I buy a good many at four years old. They are long, hard looking and comparatively thin. They do not look prepossessing at all. I like to buy them at that time. You take one of those colts that is good, with a good set of legs and sufficient bone, and he makes a good horse. He should have heavy, sloping shoulders and good feet. And though he may have a long head and his joints look big, I care nothing for that, but only for good bones; but the average farmer would say that he was too coarse. I know he will win out, and nine times out of ten he will make a high-priced, perfect draft horse. He is like a boy at sixteen who doesn't know what to do with his hands and feet, they are so large. Naturally he looks awkward. And his bones look as though they stand out, and he is very awkward in his movements. He knows he doesn't look nice. We all speak of him. What big hands and ears he has. But take that boy when thirty years of age. The body has grown and filled out to correspond with the size of the hands and feet and the ears and he is well proportioned. And it is so with the colt. One of the most favorable indications with the draft horse is the big ear, the big feet and the big joints. You want a foot that stands out well. It should be large around. The horse that comes to the city market must have good feet. The colt must be well proportioned along these lines. There is no one thing that will make a good draft horse like plenty of foot.

A boy is not particular whether it is corn beef and cabbage or mince pie, so he has plenty of it. I strongly advise feeding grain to colts after two years old. I think one should have plenty of grass in the summer with enough grain to make an evenly balanced ration. In the winter, corn is to the advantage of the colt, and by feeding some oats and alfalfa hay you will get the necessary growth for your draft horses.

(Continued next week)

\$50,000 Guaranteed



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They are also endorsed by prominent contractors, building experts, insurance companies and all others who have studied and investigated the Lightning Rod problem. King Rods represent all that modern science and genius can offer as positive protection from lightning and are backed by my Gilt Edged Guarantee. My copper cable contains 30 strands of 99 per cent pure copper; uprights are all copper with nickel tips; weather vanes are of aluminum with fine gold leafed ornaments—the lightest weather vane on the market. Every part of my rods represent the best material. Most important is the fact that King Rods cost no more than the ordinary, unknown rods. 20,000 farmers whose buildings are equipped with them, endorse them, and any article must come up to the top notch of perfection before the American farmer gives it his approval.

King Rods last a lifetime—the only expense being the first cost and you place permanent protection about your home and other buildings and their contents. Don't let the savings and treasures of a lifetime be wiped out by one flash of lightning. Don't have your family, yourself, in fear and danger, but take NOW as the time to put King Lightning Rods on all your buildings.



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Insist on getting them because they are the best; the kind that are known and depended upon. He should have them. If not, and he will not see that you are supplied—write me at once and I'll tell you who will supply you and will send you my illustrated book of Lightning Facts, free.

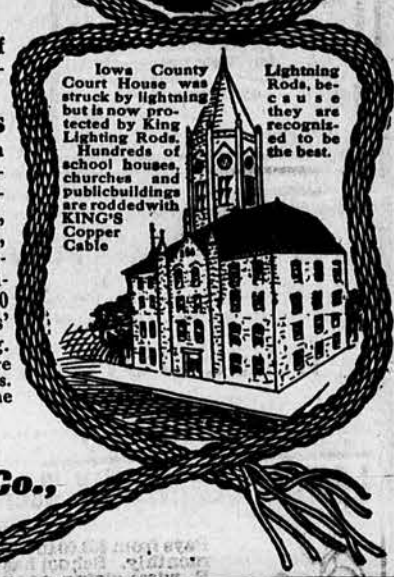
Get what you make up your mind to have—and refuse substitutes. The dealer who offers you any substitute for the best offers an affront to your intelligence. All King dealers have certificates showing that they are authorized to sell my rods. To protect yourself against substitutes—ask to see the certificate.



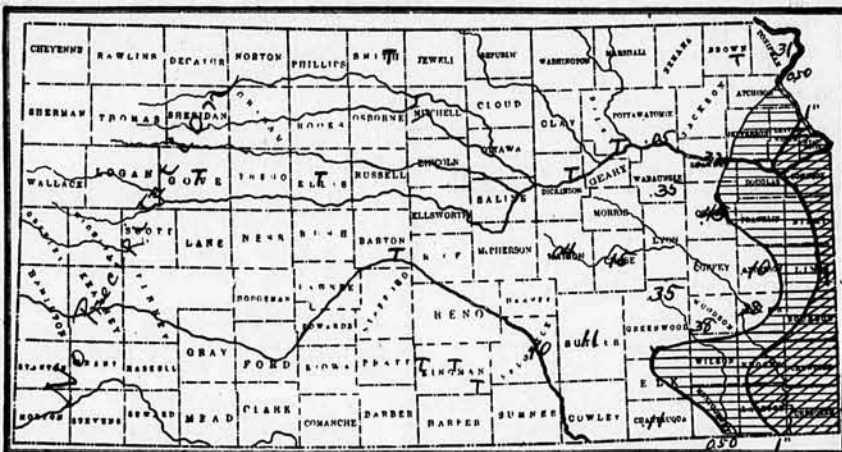
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Farmers who are acquainted in their territory and can work in territory where I have no established dealers or agents. If you have spare time, have rented or retired from the farm, or if you are tired of your present occupation, let me make you a proposition that will add from \$1,000 to \$3,000 to your income for a few months' easy work—pleasant and interesting. Some of my representatives make more than this. Write me at once for particulars. Write me today if you want to take the agency in your territory.

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WEATHER MAP



General Remarks.

Warm, springlike weather has prevailed over the state with the exception of the night of the 5-6th, when a light frost was generally reported. Fair rains have occurred in the eastern counties and good rains in the eastern tier of counties south of Atchison.

High winds prevailed on one or two days.

The weather is quite favorable for farm work, which is progressing rapidly.

Reports by Counties.

EASTERN DIVISION.

Allen.—A very good week, warm, with three rainy days. Though the rainfall was light in the western part it amounted to over an inch in the eastern portion. Light frost morning of 6th.

Anderson.—Warm weather prevailed this week, though much cooler Tuesday morning. Light rains early in the week were quite beneficial.

Bourbon.—Warm weather continues. Good rains on three days have materially benefited conditions.

Chase.—Some frost on 6th but fruit

not injured. Light rains on two days were very beneficial.

Douglas.—Good rains on three days but wheat, oats and pastures need more, however. The soil is in fine condition for spring work.

Franklin.—Warm week with two good rains bringing vegetation forward.

Greenwood.—Warm, except a light frost on 6th. Showers have benefited, especially in the southeastern portion.

Johnson.—warm, except the 5th, when a few flakes of snow fell. Some hail on the 3d. Good showers on four days.

Marshall.—Peach trees in bloom. Elm trees leafing out. Oats sowed. Plowing for corn. Grass short. All crops need rain. Mercantile business improving. Warm but no rain.

Nemaha.—A trace of rain the 7th. A warm week, though the temperature fell to 30 degrees on the 6th.

Pottawatomie.—The week has been dry and windy. Farmers are making unusual progress with their preparation for corn planting.

Riley.—Warm and dry—only a trace of rain, but vegetation is growing.

Shawnee.—Light showers on three

days but the week has been warm and dry. Farm work is progressing.

Wichita.—Warm, dry and windy though showers occurred on two days.

Woodson.—Good week for farm work; farmers ahead of their work. Some cattle on pasture; fruit not hurt.

Wyandotte.—A fine week, warm with an abundance of moisture. Everything growing; fruit not hurt.

MIDDLE DIVISION.

Barton.—Dust storms and high winds. Frost on 6th did some damage. Week very dry. Wheat is spotted and is not in good condition. Acreage of oats greatly increased over that in other years. Rain needed.

Butler.—Fruit is safe. Light showers on two days; more needed.

Dickinson.—Only a trace of rain for the week. Warm and windy.

Ellsworth.—No rain this week, but two light frosts, no damage.

Jewell.—We have had no moisture for weeks. About five per cent of the wheat is dead. Oats look well. Alfalfa is six inches high.

Kingman.—Hard wind and just storm on the 3d and 4th. Needing rain badly because of a heavy crust on ground during winter.

Marion.—Light showers, too light for benefit. Very windy on the 5th and a frost on the 6th.

Osborne.—Very warm and dry though the temperature fell to 25 degrees on the 6th.

Pawnee.—Freeze on the 31st and on the 6th, fruit damage uncertain. Wheat conditions generally good; heavy winds have blown wheat somewhat on loose, sandy soil; dry.

Phillips.—There has been no moisture this past week, but much wind; getting dry and dusty. Light frost one night.

Russell.—Clear and fine. Quite windy Sunday. No rain.

Sedgwick.—Warm. A few light showers.

Smith.—Only a trace of rain. Days quite warm; nights cool. Vegetation growing.

Stafford.—Clear, warm and breezy. Rain needed.

WESTERN DIVISION.

Clark.—No precipitation this week. Warm and dry.

Decatur.—Dust flying most of the time.

Gove.—Rain needed. Spring work progressing finely. Subsoil is damp.

Moisture needed on top. Very pleasant weather.

Kearney.—Dry and warm.

Norton.—Wheat in good condition; oats all sown. Grass coming; stock looking well.

The Greenwood County Stock Breeders' Association Swine Sale.

On Tuesday, March 29, the Greenwood County Stock Breeders' Association held its first annual hog sale. Quite a large number of breeders and farmers were in attendance and the sale was very satisfactory. Both Duroc Jerseys and Poland Chinas were disposed of and the top of the Duroc sale was reached by a Tattarrax gilt consigned by T. I. Woodall, Fall River. She sold to Chas. Stith of Eureka for \$100. The sale was considered a good one, but there were several real bargains which passed through the ring. The Duroc sow with nine pigs at foot, which sold for \$77.50, was considered by good judges at the ring side as sure to return at least 200 per cent on the investment. This sow was consigned by K. S. Martin, and was the big bargain of the sale as she would have been cheap at \$100. The sales of Duroc Jerseys were as follows:

No. 1, Joe Brown, Eureka....	\$19.00
No. 2, Dr. Norman, Eureka....	20.00
No. 3, Chas. Stith, Eureka....	100.00
No. 5, Dr. Norman.....	52.50
No. 6, O. S. Bronson, Eureka...	40.00
No. 7, L. A. Keeler, Toronto...	50.00
No. 8, M. Dodson, Eureka.....	47.50
No. 9, P. L. Hull, Eureka.....	77.50
No. 10, Dr. Norman.....	41.00
No. 11, R. M. Baxter, Rome....	46.00
No. 12, M. Dodson.....	52.50
No. 13, D. Badger, Eureka.....	51.00
No. 14, D. C. Roby, Eureka....	32.50
No. 15, D. Badger.....	30.00
No. 16, R. D. Martin, Eureka...	40.00
No. 17, T. I. Woodall, Fall River	28.00
No. 18, D. C. Roby.....	25.00
No. 19 and 20, Sam'l Drybread,	
Elk City	36.00

POLAND CHINAS.	
No. 22, R. W. Kays, Eureka.....	\$25.00
No. 23, Fred Benner, Eureka....	26.00
No. 24, W. Hammond, Eureka....	13.00
No. 25, Clarence Gilkeson, Eureka	24.00
No. 28, J. E. Russell, Eureka....	26.00
No. 30, D. C. Dietrich, Eureka...	50.00

SUMMARY.
21 Duroc Jerseys sold for \$814.50; average, \$38.80. 6 Poland Chinas sold for \$164.00; average, \$27.35.

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With the advent of the dairy cow came the creamery in its cruder form and methods. The farmer hauled his whole milk to the skimming stations and carried back the skimmed milk for his pigs. This was not as economical for either the manufacturer or the farmer, and the large creameries took the place of the skimming stations and offered their superior market and facilities and business methods. Instead, this had the decided disadvantage of depriving the farmer of his skim milk. The remedy for this was found in the hand separator, and since its general adoption the farmer makes a considerable profit on the warm, sweet, skim milk which he can feed to his pigs and calves and in the reduction of the freight rates which he pays on the smaller bulk and lighter weight of the cream as compared with the whole milk. Under the present system of management the large creameries make a high class of butter, which they are able to market at fancy prices, and in turn are able to pay more for cream on the farm. By reason of the hand separator and the large creameries, every railroad station becomes a market for the cream. One of the pioneer companies in this business was the Blue Valley Creamery Co., whose methods have always been such that they pay the highest cash price for cream received from the farmers and they pay promptly. We call attention to their advertisement in which will be found a quotation of the market price they are offering for cream, and attention is called to their guarantee trial shipment offer. If you write today and mention the Kansas Farmer they will be glad to send you their interesting proposition direct from St. Joseph, Mo.

FROM OUR READERS

The KANSAS FARMER invites letters from its readers upon subjects concerning the welfare and advancement of the farm and home. Practical letters from practical men are desired, and letters from the ladies and young folks are especially appreciated. Omit partisan politics and give your experience on the farm and in the home for the benefit of other farmers and their families. A prize will be awarded each week to the writer of the best letter, and in addition a series of three prizes will be awarded each month for the three best letters. Write on one side of the paper only, and make the letters short and to the point. Facts, ideas and experiences are wanted. We will do the editing.

How Old Is the Corn Planter?

The Farmer's Cabinet in its issue of July 1, 1836, has this to say of the early appearance of the corn planter: "A machine of this name for which a patent has been obtained by Henry Blair, a free man of color of an adjoining county in Maryland, is now in the Capitol. It is a very simple and ingenious machine, which as moved by a horse, opens the furrows and drops at proper intervals and in exact and suitable quantity, the corn, covers it and levels the earth so as in fact to plant the corn as rapidly as a horse can draw a plow over the ground. The inventor thinks it will save the labor of eight men. If it will accomplish, as we are inclined to believe it will, all which he supposes, it will prove to be an invention of great utility."

Which Fanning Mill?

Is there a fanning mill made that will clean clover seed? I have clover seed that has buckhorn in it and every one of the machine men said his machine would take it out but not a single one of them would try it. I would like to know what mill will clean seeds to the best advantage.—W. E. Taeschner, Johnson county, Kan.

The information desired has been sent in a private letter but we suggest an idea here that may not be appreciated at its full value by the farmers who use fanning mills. The average farm fanning mill will handle about 40 bushels per hour. At this rate two men can clean about 320 bushels of grain in eight hours at a cost of less than one cent per bushel. Now, if the machine were set so that only about ten per cent of the very best seed were saved for planting and the balance disposed of in other ways the gain would be very considerable. On this basis there would be only 32 bushels of seed secured from the work of two men in eight hours, but this seed would be first class in every respect. It would be free from weeds and would contain the best germinating grains in the lot. Of course this would increase the cost. Suppose the cost were increased to 10 cents per bushel for cleaning. This increase in cost would be covered many times over by the increased yield which is sure to come from sowing good seed only and there

would be a handsome profit besides. Good seed is one of the most important factors in securing an increase in crops and if seed of such quality as that which would result from the operation of the fanning mill indicated above is the only kind sown a yield of one bushel per acre on clover would not be surprising. It is worth while to try it.

I have been thinking of shaping up about twenty head of my cattle to sell in a public sale with my hogs. What do you think of a mixed sale of this kind, anyway? Some say it will not pay to mix them. Would like to hear your experience in that line.—T. F. Johnson, Garfield, Kan.

As a general rule it does not seem to be wise to hold a mixed sale of this kind, though the conditions where Mr. Johnson lives are quite different from what they are in the eastern part of the state. The reason for the lack of success which attends a mixed sale is to be found in the class of buyers that are attracted. An announcement of such a sale seems to carry with it the suggestion of a farm sale instead of a sale of pure-bred cattle and hogs. If this is true, as seems to be the experience of many breeders in eastern Kansas and western Missouri, the advertising of the sale brings comparatively few breeders and the animals must all be disposed of to farmers. Farmers are good buyers and are the support and mainstay of the pure-bred business. At the same time they do not feel willing to pay the prices which experienced breeders are sometimes willing to give because they are not working along the same lines. The farmer generally raises hogs for the market. The breeder caters to a special trade. The range of prices between these two classes of buyers has been somewhat wide, though it is narrowing every year and especially under present conditions. With the demand that has existed for good stock in the wheat belt, it is entirely possible that Mr. Johnson can make a successful sale and realize good prices if he combines his cattle and hogs into one sale. Experience in the eastern part of the state, however, would not seem to warrant him in doing this.

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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.

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J. M. RODGERS, Secretary.

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THE HOME OF JAQUE W. 42650 by Platrey, dam Imported Risette. Inspection of my Percherons invited. **RALPH G. MCKINNIE**, Glen Elder, Kansas.

STANNARD'S PROCESSED CRUDE OIL. Kills Lice and Cures Mice. There is No Remedy on the Market as Good or as Cheap.

It not only kills all lice on cattle and hogs, but all nits, and one application does the work. Does not injure the hair or skin. Can be used in vats or with brush. All so kills lice or mites on chickens. Put up in new 52-gallon barrels and sold for \$5 per barrel. I have used nearly every dip on the market and I say to you, from experience, this oil is better and more effective than any of them. Why pay \$50 per barrel when you can get a better article for \$5? I also sell a heavy Pure Crude Oil as it comes from the well that is a good lubricating oil. 52 gallons for \$3.50; an excellent grease to keep plowshares and cultivator-shovels from rusting. When remittance with the order. Read my advertisement of refined oils in next week's issue of this paper. **C. A. STANNARD**, Emporia, Kansas.

FOR SALE OR EXCHANGE FOR OTHER PROPERTY.

17 room hotel, finished new throughout, in growing town; best hotel in town—practically no competition. Also some snaps in Gove and Sheridan County land. **D. A. BORAH**, Cashier State Bank, Grinnell, Kansas.

TO EXCHANGE—17 room hotel in good town in southern Iowa, want farm or residence. Stock of dry goods to trade for Kansas City residence. Farms to trade for city property. I can match you on any kind of a trade. **HENRY G. PARSONS**, Lawrence, Kansas.

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.** 628 N. Y. Life, Kansas City, Mo.

FOR SALE OR EXCHANGE, WEST CENTRAL KANSAS LAND.

Wheat, corn and alfalfa lands, Lane and Gove counties, \$15.00 to \$25.00 acre. Prices advancing rapidly. If you have a good trade to offer write us. **W. H. DAYTON LAND CO.** Abilene, Kan.

FOR SALE AND EXCHANGE.

Kansas and Missouri farms for city property, stocks merchandise and other farms. Describe what you have, will make you a good trade. List your farms for exchange with us. **R. R. Woodward Real Estate & Investment Company**, 264 N. Y. Life Bldg., Kansas City, Mo.

FOR SALE OR EXCHANGE.

Corn, wheat and alfalfa lands in Sheridan county, Kansas; on liberal terms. Grand investment opportunities, great chance for the homeseeker. Also stocks of merchandise and city property. Write for my free list. **R. A. ROGERS**, Sheridan Co., Kan.

FOR SALE OR EXCHANGE.

Alfalfa land in shallow water district of Oklahoma in 40 to 640 acre tracts, \$20 to \$65 per acre. For particulars write **G. B. RHODES R. E. & INV. CO.**, 400 Helst Bldg., Kansas City, Mo.

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.

LAWDALE STOCK FARM—Olden-burg German Coach Horses. International prize winning stock. A tried stallion for sale. Inspection invited. **JOSEPH WEAR & SON**, Barnard, Kan.

POLAND CHINAS.

LEBAN CREEK STOCK FARM—Pol-and Chinas. 100 spring pigs, both sexes, for sale at private treaty. Also a few yearling sows bred for October farrow. **LOGAN & GREGORY**, Beloit, Kan.

EUREKA HERD OF PURE BRED Poland Chinas and Duroc Jerseys. Bred gilts and sows all sold, but have a few fall boars and gilts of both breeds. Prices right. **W. H. SALES**, Simpson, Kansas.

DUROC JERSEYS.

GOLDEN RULE STOCK FARM—Choice bred sows and gilts for sale at prices to move them, best of breeding and individuality. Satisfaction or no sale. **LEON CARTER**, Asherville, Kan.

ALFALFA STOCK FARM. Choice Duroc Jersey boars of early fall farrow for sale. Ready for work. Write quick if you want one. **PEARL H. PAGETT**, Beloit, Kan.

HAMPSHIRE.

HAMPSHIRE HOGS. Always have stock for sale. Write for prices. **A. B. DOYLE**, Beloit, Kan., Rural Route 1

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 494. **BELOIT, KAN.**

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

Prize winning Reid Yellow Dent Seed Corn. The Nebraska Experiment Station tested 300 grains of this corn and every one sprouted. I grow and carefully select every ear of this corn. Send 25 cents for sample ear, grains free. Write for prices. **FRANK J. RIST** Humboldt, Neb.

With this issue of Kansas Farmer we are starting an ad for the Sunshine herd of Poland Chinas. Mr. A. L. Albright, the owner of this herd has been breeding good Poland Chinas for several years in a quiet way and now has some very high class Polands to offer for sale. Mr. Albright can spare 20 spring and summer gilts, sired by such boars as Parnell and other good boars, and out of such sows as Lucy Tecumseh, Dot's Best, Spanton Fancy, out of Spanton Lady, one of H. E. Iant's show sows and a few of these gilts are out of the good sow Silver Tip by Corrector. Mr. Albright is using at the head if this herd Stand By, by Voter, out of Lucy True, by Compromise by Ideal Perfection. This is a very promising young hog of the medium easy feeding type, while Stand By is not a large hog, he is very blocky and of the quick maturing kind. Mr. Albright is also offering 10 spring boars of serviceable age. Two are sired by Stand By, 2 by Bandmaster, he by Old Meddler, and 5 are by Silverplate. All these young boars are well grown out, and are just right for heavy service. One young boar that will be kept in the herd if not sold soon is Enterprise by Parnell and out of Spanton Fancy, by Corrector Chief by Corrector 2nd. Parnell is one of as well bred hogs as ever walked on Kansas soil, by Perf. E. L., his dam was Clear Sky by Keep On. He is now used in the R. B. Vanhooser herd at Eldon, Mo. Don't fail to look up the ad of A. L. Albright at Pomona, Kan., he is pricing bred gilts at \$35 to \$40 for quick sale. For breeding and quality they are bargains and will not last only a few weeks at these prices. Write today and kindly mention the Kansas Farmer

KANSAS LAND

SOME KANSAS BARGAINS

Fine improved half section of bottom land, in Rush County, Kansas, 200 acres alfalfa land. \$40 an acre.
Full section, unimproved, in Ness County, Kansas, all level land at \$9,000.
Full section, unimproved, running water, 100 acres good alfalfa land Gove County, Kansas, at \$6,400. Write for list.

JAS. H. LITTLE
The Rush County Land Man La Crosse, Kansas

FINE ALFALFA FARM.

640 acres of fine alfalfa land 8 miles from Spearville, Kan. There is a creek running through the land, living water the year round. Timber on creek, 30 feet to water, 200 acres in cultivation, 1 1/2 story house with basement. Barn for 8 horses. This is a fine farm, all good land and a snap at \$35 per acre. For sale by
C. H. LIPOLDT & CO., Kansas.

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.

REAL ESTATE DEALERS, ATTENTION.

If you want to know how and where to buy advertising space in a big farm paper and a daily paper covering the richest agricultural sections of the United States for less than a half cent a line per thousand circulation write
ROY O. HOUSEL, Topoka, Kan.

LIVE LAND AGENTS WANTED

to sell Thomas and Sherman county lands. Big commissions. Sure sales.
McKENZIE REALTY CO., Inc., Colby, Kansas.

FREE—32 page booklet, brimful of interesting and valuable information about Smith county and corn and alfalfa land.
Mabin Bros., Smith Center, Kan.

HOMESEEKERS

Send for a copy of the Southwestern Kansas Homeseeker, the best land journal published. It's free to those wanting homes or investments. We make a specialty of lands on small payments and easy terms. Address
The Allen County Investment Co., Longton, Kansas.

SNAPS!

\$5,000 acres in McMullen Co., Texas, all good, level land, black, sandy loam; price \$10.00 per acre.
73,000 acres in southwestern Texas, \$1.35 per acre.
200 acres near Marquette, McPherson Co., Kansas. Well improved. Price \$10,000.
CHAS. PETERSON, Hutchinson, Kansas.

SOME BARGAINS

IN SOUTHEAST KANSAS.

Good farms, 80, 120, 160, 240 and 320 acre tracts; also some good grass land and improved ranches in 320 to 2,000 acre tracts. Fine climate, good soil, low prices and easy terms.
LONG BROTHERS, Fredonia, Kansas.

RENO COUNTY FARM

160 a., 4 1/2 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.
Chas. N. Payne, Hutchinson, Kan.

Buy This if You Want a Good Farm

160 a., 6 miles from Newton, 1 1/2 miles from market. Good six room house, barn 30x40, all rich bottom land, can't be beat for alfalfa, corn and wheat. Price \$12,000, half cash. 200 other good farms for sale right.
SOUTHWEST LAND CO., Newton, Kansas.

Labette Co. Bargain.

80 a., 1 1/2 mi. from Coffeyville, new 8 room house, barn, granaries, etc.; plenty water, lays nice, gas, telephone, R. R., short time for \$4,000. Also sell implements, hay, grain, if desired, etc.
BOWMAN REALTY CO., Coffeyville, Kansas.

Ottawa Co. Bargain.

160 acres, 3 miles town, 110 cultivation, balance pasture, 4 room house, barn, 65 acres wheat, all goes with possession, \$6,500. Easy terms. New list free.
J. S. Boyle, Bennington, Kan.

GOOD FARM.

344 acres adjoining town, highly improved, 6 acres alfalfa, 5 miles fence, mostly woven wire. Further particulars write
J. C. ELVIN, Harper, Kansas.

FINE IMPROVED 160, 5 miles out, \$5,700. Terms. L. E. Thompson, Norwich, Kan.

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

Smith, Decatur and Sheridan county corn, wheat and alfalfa land; lowest prices, best terms. Write or see
PETER FYLE & SON, Kensington, Kan.

FREE LIST

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

Corn, wheat and alfalfa lands, in Smith, Phillips and other counties; reasonable prices, good terms. Write or see
H. E. HALBERT, Kensington, Kan.

PHILLIPS COUNTY corn, wheat and alfalfa lands, \$40.00 to \$60.00 per acre. Prices rapidly advancing. Write or see
L. E. COUNTRYMAN, Phillipsburg, 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
P. D. Stoughton, Madison, 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.

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.

RENO COUNTY FARM—320 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.
Sterling, W. W. BARRETT, Kansas.

NESS COUNTY, KANSAS LAND.
Good soil as any in the state at \$10 to \$18 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.

BARGAINS IN LAND.

A well improved 10,000 a. ranch in Sherman Co., \$10 per a., easy terms, also other smaller ranches and 100 scattering quarters and half sections from \$9 to \$12 per a.
M. ROBINSON, the Land Man, Goodland, Kansas.

OUT IN THE GREAT WHEAT BELT.
Pratt and Barber county lands that pay good returns on investment while the increase in values is on a rapid rise. Call or write us; we are in a position to give you the best bargains offered. The Isabel State Bank or Ed Boots, Pres., Isabel, Kan.

ALFALFA!

Jewell county is its home; over 60,000 acres. Coburn ranks first. For alfalfa and corn lands write
GREEN REALTY CO., Mankato, (County Seat) Kansas.

GOOD 160, six miles Minneapolis, 85 acres wheat all goes, 15 acres meadow, balance for spring crop, R. F. D. and telephone. Price \$6,000. Possession in 30 days. We have other farms for sale and exchange. Write for free list.
Frank Miller & Co., Minneapolis, 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.
Frizzell & Ely, Larned, Kan.

CORN, WHEAT AND ALFALFA LANDS in Cloud, Washington and Republic counties, where all staples produce bountiful crops and prices are advancing rapidly. Best section of Kansas for a home or investment. Write for free list.
Nelson Land Co., Clyde, Kan.

560 ACRES, 6 miles Smith Center, county seat; 350 under cultivation, 140 wheat, 50 alfalfa and hay, 160 pasture; balance for corn; extra good house, barn, well, windmill, outbuildings, 1-3 all crops if sold soon. \$40.00 an acre. Other farms.
RECORD REALTY CO., Athol, Kansas.

CORN AND ALFALFA FARMS.
Where all staples grow to perfection, at \$35.00 to \$65.00 per acre. Lands are advancing rapidly and offer the best opportunities in Kansas for homes or investments. Write me what you want. I will try to suit you.
John Reitz, Lebanon, Kan.

320 ACRES, 160 in cultivation, balance pasture and hay land, fenced and cross fenced, 105 acres in wheat, 15 fenced hog tight, two room frame house, barn for 10 head horses, good well and mill, on R. F. D. Price \$22,500 per acre. Other farms.
NORTON LAND CO., Norton, Kan.

DICKINSON COUNTY FARMS.
Good water, good climate, corn, alfalfa and wheat produce mammoth crops. We sell these lands at prices that will produce big interest on the investment. Write us for full information.
Murphy & Fenton, Abilene, Kan.

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, Medicine Lodge, 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.

JEWELL COUNTY.

Leads them all, according to Coburn, in corn, alfalfa, poultry, mules, cattle, hogs, honey. Write what you want to
GREEN REALTY CO., Mankato, (county seat) Kan.

FOR SALE.

200 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.

BARGAIN.

Improved 1/2 section level farm land, 1/4 mi. P. O. and school, 250 a. in cultivation, 100 a. wheat, 1-3 crop goes with place. Price \$30 a.; make very reasonable and long time terms. W. B. Grimes, Owner, Ashland, 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.

COWLEY COUNTY BARGAIN.

284 acres, 2 1/2 miles of Arkansas City, 160 acres is Arkansas river bottom land, 40 acres in alfalfa, 120 for corn, 9 room house, bank barn 36x40, small orchard and windmill. Price \$57.50 per acre. Write
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.

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, Hazelton, Kansas.

"A FEW SNAPS."

In McPherson Co. farms which it will pay you to investigate, 160 a. 2 miles from Lindsborg—valley land, 15 a. alfalfa, can all be cultivated, good buildings. Price \$11,000. Terms will be given. For full particulars and full list write Joseph A. Brandt, Lindsborg, Kan.

CORN AND ALFALFA FARM.

53 acres river bottom, 6 room house, good new barn, 2 wells, windmill, family orchard, double granary, abundance large shade trees, 2 1/2 miles good market, some alfalfa. Write for price and full description free. Box 114, Minneapolis, Kan.

FOR HOMESSEEKER OR INVESTOR.

Kiowa and Cavalry Creek Valleys, Comanche County, Kansas. Alfalfa land \$20 to \$35; rapidly advancing. Great opportunities for homeseeker or investor. Write for our large list of bargains, mailed free and postpaid.
PIONEER REALTY CO., Protection, Kan.

240 ACRES, 200 acres in cultivation, 50 acres in wheat, 1-3 goes to purchaser, balance for spring crop. This is good corn and wheat land, dark, sandy loam soil. This land is practically level, good water, 3 room house, stable for six head of horses. This land is 3 1/2 miles to R. R. town in Harper Co., Kan., and 1 1/2 miles to school. Price \$7,500. For further information write Hilton & Garrison, Attila, Kan.

\$15.00 PER ACRE QUICK SALE—Fine 800 a. farm and stock ranch, four and one-half mi. from Kanorado, Co., big frame barn for horses and cattle, conveniently arranged. Hay mow, cattle shed and granary for 1,000 bu. of grain; good shed house and cave, fenced and cross fenced, all tillable, 175 a. under plow. Easy terms.
G. W. SAPP, Goodland, Kan.

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.

ALFALFA FARM FOR SALE.
320 acres on the Priarte Dog, 2 miles west of Clayton, 240 acres of good alfalfa land, 30 acres already growing, 70 acres of wheat, 35 acres of corn land, balance in pasture. Well watered and plenty of timber. Price \$14,000 on easy terms. Other corn, wheat and alfalfa farms for sale. Address
BROCK & TACHA, Jennings, Kansas.

240 ACRES OF LAND.

3 miles north of Selden, on Prairie Dog creek, about 70 acres good alfalfa land, 100 acres broke, small house and other improvements, some timber. Price for the next 30 days, \$4,000. Good terms. Other farms. Write for free literature.
GEO. P. LEWIS & CO., Selden, Sheridan Co., Kansas.

BARGAINS IN WHEAT LANDS.

320 acres, 4 miles Brewster, good house, barn, granary, blacksmith shop, well, windmill, 200 acres in cultivation 1-4 of crop goes, only \$24 acre, good terms, 480 raw land, 6 miles Brewster, all level, \$18 acre, 160, 6 miles Brewster, \$16 acre. Other tracts at bargain prices.
LUND REAL ESTATE CO., Brewster, Thomas Co., Kansas.

Virginia, KANSAS LAND CONT'D

"THE MOTHER STATE."
Farm homes, mineral and timber lands, cheap and good soil. Long growing season. Mild climate. Great demand for all farm products. Va. books, map and information FREE. Address with stamp.
VA. LAND IMMIGRATION BUREAU,
Walter J. Quick, Mgr., 6 Gale Bldg.,
Roanoke, Va.

Virginia Farms!

New list of farms ready. Only special bargains picked from large list. They are exceptional values. We tell you all about the country in our catalogue but come and see it for yourself. We want to show you. Address.

MIDDLE-ATLANTIC IMM CO.
Commonwealth Bank Bldg., Richmond, Va.

MISSOURI LAND

SPECIAL PRICES on Bates county corn, clover and bluegrass farms; best county in the state. **F. R. ALLEN, Adm'n.** Mo.

NORTH MISSOURI farms for sale and exchange. Home of blue grass, corn and clover. Booklet and state map free.
Broyles Land Co. Chillicothe, Mo.

IMPROVED corn, clover and bluegrass farms, 40 miles south Kansas City, \$50 to \$75.00 per acre.
Jot M. Wilson & Son, Harrisonville, Mo.

CORN, clover and bluegrass farms in the best section of Missouri very reasonable prices. Write for description.
W. A. HORN, Harrisonville, Mo.

KOHN, KLOVER and bluegrass farms \$40.00 and up. Write for description and further information.
Ward-Sturges Land Co., Leton, Johnson Co., Mo.

DID YOU GO TOO FAR?
Do you want to have a clover, bluegrass and timothy farm again? If so, write us. We sell well improved Johnson county farms for \$40.00 up. Write for our list, mailed free and postpaid.

LEETON LAND CO., Leeton Mo.
320 ACRES of splendid land, well improved, on gravel road, 12 miles from Carthage, 3 miles of inland town, 6 miles from R. R., good stock and grain farm. Price \$35 per acre. Worth more money. For further particulars write **A. C. STEMMONS,** Carthage, Mo.

YOUNG MAN, PUT YOUR SAVINGS IN LAND.
It's accumulating while you sleep. We can sell you southwest Missouri land in the best fruit and grain country for \$8.00 per acre; \$1.00 per acre down, balance in six years at 6 per cent. See or write **Locator Realty Co.,** 342 Ridge Bldg., Kansas City, Mo.

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., Missouri.
Aurora.

NEBRASKA LAND

TWO SPLENDID FARM BARGAINS.
400 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, Nebraska.
McCook.

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 \$70 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, Neb.

46 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, Nebraska.
Sidney.

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.

FOR REPUBLIC COUNTY
corn, wheat and alfalfa lands, at reasonable prices on good terms. Write or see
Hall & Cartensen, Belleville, Kan.

FARM WANTED.
Wanted—Farm from owner; give price and description. Address Lock Box 39, Spring Hill, Kan.

FREE.
List Sherman and Thomas county wheat, alfalfa and corn lands, \$12.50 to \$35.00 per acre. Send your name today.
R. T. Hemming, Brewster, Kan.

IDEAL RANCH.
4,200 acres. Three creeks. One-fourth can be farmed. On line of new railroad. \$10 per acre. Easy terms. See
MARSHALL BARLOW, Kansas.

SHERMAN COUNTY LANDS.
Where wheat and other staples produce big crops. We sell these lands at very low prices on liberal terms. Write for list, mailed free upon request. Also Osborne county lands and some good exchange propositions.
LAYTON BROS., Kansas.
Goodland and Osborne.

FOR SALE.
Sherman county lands, in any size tracts, on most liberal terms. Write for prices, descriptions and illustrated literature, mailed free and postpaid.
IRA K. FOTHERGILL, Kansas.
Real Estate & Investments,
Goodland.

STAFFORD COUNTY BARGAIN.
160 acres, 4 1/2 miles of Macksville, Kan. nice level land, well improved, good house, near school and church, 50 acres in wheat, balance corn and pasture land, one-third crop goes with farm; possession in September 1910. Price \$9,000. Call or write
CHAS. F. FIELDS, Macksville, Kan.

HAVE YOU ANYTHING TO TRADE?
If you have, list it with Howard, the Land Man, and he will get you something in short order that will suit you. I have farms to trade, automobiles, houses and lots. In fact, everything you can think of that you are likely to want. Talk it over with Howard, the Land Man, Room 15, Turner Bldg., Wichita, Kan.

160 ACRES, 4 1/2 miles Selden, good five room new house, half in cultivation, 70 acres in wheat, all necessary improvements, on rural route, fenced and cross fenced, school house on one corner of the place; everything in good shape; price \$4,000. terms. Other farms.
Trimble & Trimble, Selden, Sheridan Co., Kansas.

640 ACRES, smooth as a floor, 2 1/4 miles station, well improved, 6 room house with double cemented cellar, porch nearly around house, large barn, 320 acres fenced with 3 wires and hedge posts a rod apart; 320 acres in cultivation, good well, windmill and tank. Price \$25.00 an acre. Terms. Other farms at lower prices.
JOSEPH SAGER, Kansas.
Colby.

DIRECT FROM OWNER.
320 acres, 3 miles south of Goodland, all smooth, rich, black loam soil, 160 acres under fine state of cultivation; produced 25 bu. wheat per acre last year. One of the finest farms in Kansas. Price \$26.00 per acre. Liberal terms.
T. V. LOWE, Owner, Kansas.
Goodland.

CLARK COUNTY BARGAINS.
890 acres 10 miles from town, 700 acres good farm land, black sandy loam soil, 200 acres in cultivation, 30 acres in alfalfa, 140 in wheat, 1-4 of crop goes with sale, 2 room house, windmill, granary, etc. One mile from school. Terms one half down, time to suit purchaser. Price, \$12 per acre.
WILSON & HAVER, Kansas.
Englewood, Owners.

240 ACRES within one mile of Rexford, all smooth, tillable land, good seven room house, nearly new, good barn with hay loft, hen house, hog house, corn cribs, granary and stock sheds, 130 acres in cultivation. Price \$7,500. Many other bargains located in Sheridan and Thomas counties, Kansas. Also Colorado land from \$8.00 per acre up.
A. T. LOOMIS, Kansas.
Rexford.

SHERMAN COUNTY LANDS, where prices are advancing rapidly, \$12.00 to \$30.00 per acre; good terms. Gulf and Northwestern Railroad now building at Goodland. Unexcelled opportunities for homeseeker or investor. Now is the time to buy, and you will double your money shortly. Write for free illustrated literature.
GLIDDEN REAL ESTATE CO., Kansas.
M. E. Glidden, Mgr.
Goodland.

RENTER, OWN YOUR OWN FARM.
320 acres, 12 miles Kanorado, 100 spring wheat, all tillable, well fenced, good 4 room sod house, shingle roof, frame barn for 60 head stock, good frame granary, chicken house, windmill, tank. Young ash grove around buildings; \$12.00 per acre if sold at once. List free.
J. C. JONES REALTY CO., Kansas.
Kanorado.

THOMAS COUNTY, KANSAS. Where wheat and other crops are making the farmers rich. We own and control thousands of acres of the finest wheat and alfalfa lands in the county, which we sell on easy terms at \$15.00 to \$30.00 per acre. Write for illustrated literature and list, mailed free and postpaid.
JOHN ACKARD & SON, Kansas.
Colby.

GOOD AND CHEAP.
640 acres, 5 miles railroad town, all smooth tillable land, 440 acres in cultivation, 1-3 crop goes with farm, unimproved. Price \$27.00 per acre, good terms at 6 per cent. Other farms.
W. O. EATON, Kansas.
Gem, Cashier State Bank.

A BIG BARGAIN.
2120 acres fine wheat, corn, alfalfa land, except 200 acres pasture, well located; watered and improved. Most of this worth twice the price, \$13 per acre. A sure snap.
M. G. STEVENSON, Kan.
Ashland.

DO YOU WANT TO SELL YOUR FARM?
Write us, we will give you good information. Hoffman's Compiled List Report, 328 Sedgwick Block, Wichita, Kan.

HIGHLY IMPROVED and Stocked Ranch of 800 a., 2 mi. from town in Phillips Co., Kan. High grade cattle and hogs. Price of ranch and stock \$50,000, want half cash and bal. in income property or would carry \$25,000 long time at 5 per cent; first class in every respect. **N. W. White Land Co.,** Phillipsburg, Kan.

FINE FARM CHEAP.
A No. 1 40 a. farm 1 1/4 mile from good county seat town, good buildings, splendid water and family orchard. Raised 412 bushels wheat last year on 16 a., reason for selling going into business. For particulars and price address owner.
E. T. JARRETT, Kansas.
R. F. D. No. 3, Columbus, Kan.

BARGAIN IN GAS BELT.
120 a. in Wilson Co., Kan. Fine soil, well improved, lays well, good 7-room house, good barn, orchard, grove, paying \$120 gas rental, close to market. Will pay to investigate.
SHANNON & HARSHFIELD, Fredonia, Kansas.

Million acres Texas School Land for sale by the State; \$1.50 to \$5 per acre; only one-fortieth cash, 40 years on balance; three per cent interest; good agricultural land; some don't require residence; send 50 cents for 1910 Book of Instructions, New State Law and description of lands. **J. J. Snyder,** School Land Locator—Congress Ave., 568, Austin, Tex. Reference, Austin Nat. Bank.

TAKE ADVANTAGE of one year's advance in prices on nice 80 a. in Nemaha Co., Kan., 3 miles S. E. Corning. You can buy now and get March 1st, 1911 settlement. Price \$65 per a. terms to suit. Will pay 10 to 15 per cent on investment rented for crop rent. Write owner, **C. E. Tinklin, Corning, Kan.**

SPECIAL BARGAINS IN LAND.
11,000 acres improved on R. R., \$8.50 per acre. 960 acres improved, 9 miles from R. R., \$12.50 per acre. 840 improved 8 mi. from R. R., \$12.50 per a. Write **WILMORE LAND & LOAN CO.,** Wilmore, Kan.

A RICE COUNTY HOME.
A fine quarter section 3 1/2 miles from Lyons, splendid improvements, orchard, 30 acres fine alfalfa, 50 acres pasture, all tillable, 70 acres in corn, all goes with place, school 40 rods. Possession if sold at once. Price \$18,000.
NODURET & TORREY, Lyons, Kan.

SPECIAL BARGAIN.
Square section, 3 1/2 miles Brewster, some rolling, but not rough, fair buildings, two wells and mills, fenced and cross fenced; 240 acres in cultivation, at sacrifice. Price of \$12.50 for short time. \$3,000 5 years at 6 per cent. Odd quarters, half sections, 3 to 8 miles Brewster, smooth raw land, \$12.60 to \$18.
Wheeler & Mallory, Brewster, 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 \$60 per acre.
84 a. Franklin Co., Kan., 59 a. in cultivation, 25 a. native grass, 3 room house, stable for 4 horses, other outbuildings, 8 mi. to Ottawa, R. F. D. Enc. \$2,200. Price \$61.50. For full particulars write **Mansfield Land Co.,** Ottawa, Kan.

LIZZIE'S GOLD BOY 82995 JERSEY BULL
Dropped Oct. 25, 1909; sired by Iddias Gold Boy by Golden One, he by Kentucky Lad, dam Lizzie Sales, out of Jennie Sales, granddaughter of Old Tormentor. Lizzie Sales has record of 480 lbs. of butter in one year and the grand dam of calf on sire's side, Iddia Daisy, a record of 23.7 lbs. in seven days. Extended pedigree showing breeding and all tested dams submitted upon request. Good individual and large for age.
JOHNSON & NORDSTROM, Kansas.
Clay Center.

A SUBURBAN HOME.
600 acres, adjoining Smith Center, county seat of Smith county, Kansas, a city of 2,000 population, with electric lights, water works and other modern conveniences; all level, 580 acres in cultivation, 35 alfalfa, 300 wheat, 245 for corn, balance pasture; 2 sets light improvements worth \$2,500. Price \$70 an acre. Will be worth \$100 shortly. An ideal farm for a man who wants to enjoy city conveniences and give his children the advantage of city schools.
HOBBS & DETWILER, Owners, Kansas.
Smith Center.

I HAVE SOLD my half section near Colby and now offer a fine, smooth quarter 3 miles from Brewster, Kan., no improvements except 40 acres under cultivation, school house across road from it. This quarter is \$2,200.00 cash.
Another smooth quarter, 14 miles from Brewster, 55 acres under plow, sod house, good well and new wind mill and a bargain at \$2,000.00 cash.
These are bargains and must be sold soon. Address
IKK W. CRUMLY, Brewster, Kan.

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.

WESTERN KANSAS LAND.
In Lyon and adjoining counties from \$11 to \$25 per acre, according to location and improvements.
T. E. HALE, Kansas.
Solomon.

LOGAN, THOMAS AND GOVE CO. LAND
In tracts to suit purchaser, at \$10 to \$30 per acre. If you want a good home and paying investment, write to or call on
F. E. CANAN, Kansas.
Oakley.

GOVE AND SHERIDAN COUNTY
Wheat and alfalfa lands, \$15 to \$30 per a. Lands several miles out, for still less. Write for full information, and our free list.
THE S. J. BAKER LAND CO., Kansas.
Grainfield, Gove Co., Kansas.

640 ACRES RAW LAND S. mi. from Brewster, Kan. Smooth and pretty, good soil. Price \$6,890; \$2,890 can run 17 years at 6 per cent optional.
160 acre smooth farm, small frame house, 40 acres in wheat, balance fenced in pasture, all smooth and tillable, 8 mi. from Brewster, on R. I. 1-4 crop delivered, and all for \$2,000. **E. W. Albright, Brewster, Thomas Co., Kan.**

12,700 ACRE ranch, 8 miles Sharon Springs, county seat and Union Pacific division point; 8 miles of creek, 3,000 acres alfalfa land; fine blue-stem hay now on land, which cut 500 tons last year; fenced; will sell en bloc, or in tracts to suit purchaser, at \$12.00 per acre. Will give terms.
HAYS & WARD, Kansas.
Sharon Springs.

WALLACE COUNTY, KANSAS.
Where land is now selling for \$10.00 to \$15.00 per acre. If you buy now you will double your money shortly. The best "buys" in Kansas are to be had here. If you are looking for a good home or money-making investment write me.
G. G. IMMELL, Kansas.
Land Agent, Sharon Springs, Kan.

WALLACE COUNTY, KANSAS.
\$8.00 to \$10.00 per acre, on liberal terms. Prices are advancing, and you must act quickly if you buy at these prices. Write or call and see me.
G. W. McEWEN, Kansas.
20 Years Experience, Wallace.

A FINE HOME in Smith County, Kan., 5 mi. from Bellaire, and 1 1/2 mi. from an inland town, church and school. The finest quality of land and improvements, fine orchard and cedar grove. Abundance of the finest water by well and tanks, 40 or 50 a. of alfalfa, fine pasture and the balance plow land. Price \$13,000 for this 240-a. farm. **L. N. Dundas & Son, Smith Center, Smith Co., Kan.**

GOOD STOCK RANCH.
560 acres, 200 acres in cultivation, 300 more can be, 360 acres pasture, this is valley land. Improved 4 room house, barn 40x50 ft., granary, etc., family orchard, some timber, fenced, watered by well and never failing springs. Located 2 miles from railroad town, 8 miles from Winfield in Cowley County, Kan. Price \$30 per a. Call on or write **THE NELSON REAL ESTATE & INC. CO.,** 137 N. Main St., Wichita, Kan.

Looking for This?
For Sale: For a quick deal, 240 acres of good land, S. E. quarter of 15-24-17 and E. 1-2 22-24-17, two miles north and half mile east of Pluma, Woodson county, Kansas, at \$25.00 per acre, half cash, balance on liberal terms. If you are looking for a snap, go and see this. Don't write until you have examined it.
J. B. Van Deren, Kansas City, Mo.
1410 Union Ave.

JUST LIKE STEALING.
To take this beautiful half section in Cowley Co., only 3 mi. from a good R. R. town, in a fine community, school, church, and stores only 1/2 mi.; free phone, rural route, 5-room house, cistern, good stable, well, finest water in the state, pond, two orchards, 100 acres cultivation, bal. splendid bluestem pasture, can all be tilled but 20 a., level upland country, farm smooth and level; soil is a deep black limestone loam, averaged over 40 bu. of corn per a. last year; grows alfalfa perfectly; only \$30 per a. for a short time; you'll have to hurry, this won't keep; \$5,000 cash, balance back; talk fast; it's money for you.
SHARP REALTY CO., Kansas.
Turner Bldg., Wichita, Kan.

Alfalfa Get Next?
480 acre improved farm on creek bottom, large 7 room house, granary for 5000 bu., barn, well, sheds, tool house, yards, etc. 220 acres in cultivation, creek runs through the farm, don't overflow, timber for posts and fuel, 350 acres of this fine farm is alfalfa land, 5 a. in alfalfa, 9 miles of town. Price \$25 per acre and terms. Big list free.
THOMAS J. STINSON, Spearville, Kan.

I WANT
a personal representative in every city and town in Kansas, where we are not represented, to write a New, Clean, Progressive Hall Insurance Contract. We have the best proposition on the market today, for live-wired, energetic men of unquestionable integrity, who can show us that they have the confidence of the public in their own communities. Previous experience not necessary. Producers can make big money. Write today for our proposition, before someone else secures your territory.
ELMER F. BAGLEY, Secretary, Topeka, Kansas
Columbian Bldg.

Ray Johnston's Poland China Sale May 17.
Don't forget the great Poland China sale to be held at Southmound, Kan., on May 17. If you have not sent in your name for a catalog it would be a good business investment to do so at once.

Hadley Roy Boars.
Geo. M. Hull, of Garnett, Kan., is offering two July boars sired by Hadley Roy, they are strictly of the big type breeding and priced at \$20.00 for quick sale. Don't wait but write today. Kindly mention the Kansas Farmer.

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.

Write us at once for information as to the splendid opportunities for investment in lands both irrigated and irrigable, or choice farming uplands.

These lands are in Logan and Weld counties and the famous Crow Creek Valley.

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.

MAP OF COLORADO

And handsomely illustrated literature telling about our lands in Eastern Colorado on the Union Pacific railroad where we will sell you a good farm from \$5.00 to \$15.00 per acre. Send your name today.

KIT CARSON CO.,

Kit Carson, Colo.

EASTERN COLORADO LANDS.

Where all staples grow to perfection. Lands from \$7.50 to \$30 per acre, on liberal terms. Illustrated literature free.

UNDERWOOD & HEINY,

Flagler,

Colo.

SAN LUIS VALLEY, COLORADO.

Irrigated pea, alfalfa, hay and livestock farms, \$45 to \$90 per acre. Write for full information. HAIGLER REALTY CO., 113 1/2 E. Pike's Peak Ave., Colorado Springs, Colorado.

CHRYENNE COUNTY, COLORADO.

Where land of ten acres pays for itself in one crop. For \$5 to \$15 we can sell you choice land, well located, near schools, churches and markets. Write or see WILD HORSE LAND CO., Colorado.

WILD HORSE, Colorado.

KIT CARSON COUNTY, COLO.

Deeded lands, \$10 to \$20 per acre. Homestead relinquishments, \$300 up. Also a few 320-acre homesteads yet. Printed matter free.

BEAR & CLIFT REALTY CO., Colo.

Vona,

EASTERN COLORADO Lands \$10 an acre and up.

Live agents wanted. Write for our descriptive literature, and county map, mailed free.

HAYNES LAND CO., Colo.

Vona,

EASTERN COLORADO Lands at lowest prices on best terms.

If you want a good home or investment, you should see me. I have been here for 17 years. I enclose stamp for reply. J. G. Jansen, Genoa, Colorado.

KIT CARSON COUNTY.

Lands now \$10.00 to \$20.00 per acre, and homestead relinquishments at prices according to improvements. Great opportunity for the homemaker or investor. Descriptive literature free. Vona Land Co., Vona, Colo.

FREE.

List of Kit Carson, and adjoining counties, lands at an average price of \$15.00 per acre. Also free description literature. Tell us what you want.

MERWIN LAND CO., Colo.

Selbert,

LINCOLN COUNTY, COLO.

If you want to buy Eastern Colorado lands, for either home or investment, at the lowest prices on the best terms, write or see Kennedy Land Co., Genoa, Colo., or St. Peter, Minn.

HOMESSEKERS Attention—Why pay big rent or farm high priced land where your returns are not as large as actual returns on our cheaper lands? Many acres noted growers \$40, \$50 and few cases \$100 per acre, on land ranging from \$10 to \$25, situated in one of the healthiest counties in the world; fine climate, purest foot hill water; write for circulars. Address C. C. Miles, Calhan, Colo.

EASTERN COLORADO.

Our lands raise big crops of wheat, oats, flax and corn, and are rapidly increasing in value. If you act at once, we can sell you a good farm for \$12 to \$25 per acre. We want a hustling agent in your locality. Illustrated descriptive literature free upon request.

CLARENCE M. SMITH, Colo.

Flagler,

EASTERN COLORADO BARGAIN.

1,600 acres, 1280 deeded, 320 relinquishment with over \$2,000 worth improvements, not 50 acres waste land on entire tract; over \$2,000 worth improvements on deeded land; 175 acres in cultivation, 15 fine alfalfa. Plenty outside range, price \$12.50 an acre. Liberal terms. Other tracts. Write for free list and literature. WILKINSON R. E. CO., Burlington, Colo.

KIT CARSON COUNTY COLORADO.

Corn, wheat and alfalfa lands, at \$10 to \$25 per acre, according to location and improvements. Prices are rapidly advancing, and the time to buy is now. Write for our free illustrated booklet, stating what you want. A live agent wanted in your locality.

A. W. WINEGAR, Colo.

Burlington,

EASTERN COLORADO—The home of

wheat, barley, millet, cane, broom-corn, speltz, and all staples. Lands are now very cheap, from \$9.00 to \$11.00 per acre for raw land to about \$20.00 an acre for improved farms, but are rapidly advancing in price. Write for free printed matter stating what you want.

MCCRACKEN LAND CO., Colo.

Burlington,

DO YOU WANT TO BUY Eastern Colorado lands? Write for our free folder, of 28 large illustrated pages. Cheyenne County Land Co., Cheyenne Wells, Colo.

YUMA COUNTY, COLORADO.

We own and have for sale 3 160-acre tracts, unimproved, nice laying land, 3 miles from Yuma, Colo., \$15; also 1/4 section and single 160 acres 15 miles from same town, fine soil, \$12.50. These are bargains. We buy, sell or trade.

YUMA CO. REAL ESTATE CO., Colorado.

Wray,

THE LIEBER LAND & REAL ESTATE

Co., Hugo, Colo., dealers and absolute owners of Colorado lands. We bought right by buying early, and built by having first choice. Buy direct from owner and save agent's commissions. Choice farming lands in eastern Colorado, \$5.00 and up. Live agents wanted. For handsomely illustrated pamphlet of 20 large pages, address John Lieber, Manager, Hugo, Colo.

WANTED.

Agents to assist in selling eastern Colorado land. A good opening for alive men in your locality, one who can produce results. Write for our liberal offer, and full information.

ARRIBA LAND CO., Colo.

Arriba,

LINCOLN COUNTY, COLORADO.

Good lands, that raise big crops of all staples including corn, wheat, barley, milo maize and many other crops, at \$10 to \$25 per acre. These prices won't last long. You must act quickly. Write for further information.

A. B. DAYWITT LAND CO., Colorado.

Genoa,

LINCOLN COUNTY, COLORADO.

Corn, wheat, and alfalfa lands, \$12 to \$25, on liberal terms; are well located, mostly smooth; dark chocolate loam soil; raises big crops, all staples. Prices are rapidly advancing; buy now and get in on the ground floor. Write for illustrated descriptive literature and sectional map of eastern Colorado, mailed free.

COLORADO LAND INV. CO., Arriba, Colo.

GOOD LAND, Kit Carson County, Colo.

\$3.50 to \$25.00. Why stay last and pay big rent, when you can come to Kit Carson county and buy a home for the rent you pay for the eastern farm "one year. Land produces wheat, barley, oats, corn, cane, alfalfa, etc. Write for colored map of Colorado, sent free.

G. W. DINGMAN, Colo.

COLORADO LAND AND SUNSHINE.

If you are looking for a home, investment or health, where the climate is perfect, where there is the best class of people, churches, schools and no saloons, where there are thousands of acres of choice land coming under irrigation and selling very cheap, you will do well to write us for new printed matter on Morgan Co., Colo. Address

THE B. W. JACKSON REALTY CO., Colorado.

Fort Morgan,

MUNTZING PAYS THE FREIGHT.

FARMS, SHEEP and also CATTLE AND HORSE RANCHES.

I own 40,000 acres of choice lands in Washington and Yuma counties, and am offering both improved and raw lands at prices far below all others and on terms to suit all purchasers. Monthly payments if desired. 160 and 320 acres relinquishments adjoining lands offered for sale. Best of wheat, oats, cane, corn, potatoes and alfalfa lands. I refund railroad fare and hotel bills for those who purchase of me. All lands are level, smooth and rich farm lands, NONE better. COME NOW and buy homes and get the free ride. Why pay big commission when you can buy direct from the owner? Write for maps, plats, price lists and explanations and proofs to AUGUST MUNTZING, Akron, Colo.

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 \$8 to \$15 per acre. If you are looking for good, investments write or see Vanderhoof & McDonald, Otis, Colo.

The Oklahoma State Fair. Secretary L. S. Mahan, of the Oklahoma State Fair, has issued preliminary announcements regarding this fair which promises to be an even greater success than any that has preceded it. This fair has been a success from the start and one of the important features of this year's exposition will be the second annual boys' corn contest in which prizes amounting to \$500 will be divided among the boy farmers. The dates for the Oklahoma fair are September 27 to October 9, and Secretary Mahan will be glad to furnish information.

Great is Berryton Duke, Jr.

Many prominent breeders rank him among the best boars of the breed. He not only breeds show hogs but easy feeders. The kind that delights the farmer as well as the up-to-date breeder. At the Kansas State Fair in 1909 the following awards were credited to Berryton Duke Jr.: First on sow one year and under eighteen months. First on sow six and under twelve months. At the same fair, Berryton Duke Jr., sired the following prize winners shown by other exhibitors: First and second sows under six months. First on four pigs under six months, produce of one sow. First on boar and three sows under one year. First on four head of swine any age, get of one sire. Silver loving cup offered by the American Berkshire Association for boar and three sows under one year, first prize. Boar over two years, second prize. We have this

COLORADO LAND

CHRYENNE COUNTY, COLORADO. Good lands, mostly smooth, \$9 to \$15 per acre on most liberal terms. Now is the time to buy, you will double your money within a year. Send 25 cents for a three months subscription to the "Wild Horse Times." Contains valuable information about Cheyenne county.

CAMPBELL LAND AGENCY, Colorado.

Wild Horse,

FREE

Illustrated descriptive pamphlets and booklets, telling all about Eastern Colorado; choice land at \$10 to \$20 per acre. KENEDY LAND CO., Colorado.

Limon,

4,000 ACRES

Good, smooth land, in tracts to suit. \$20 an acre on most liberal terms. Only 1-3 down. N. E. MOSHER, Owner, 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

Brush, E. E. SEAMAN, Colorado.

COLORADO LANDS

Send for our descriptive map folder of Eastern Colorado, mailed free upon request. We have many bargains in wheat and alfalfa land, nice and smooth, at \$8.50 to \$20.00 per acre.

FLAGLER LOAN & INV. CO., Colo.

Flagler, Kit Carson County,

AUCTIONEERS

L. E. FIFE, LIVE STOCK AUCTIONEER.

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

LAFE BURGER, LIVE STOCK AUCTIONEER.

Write or wire me for date.

WELLINGTON, KANSAS.

JOHN D. SNYDER

Auctioneer, Winfield, Kan.

I sell for many of the most successful breeders.

THOMAS DARCEY

Live Stock and Real Estate Auctioneer. Fifteen years' experience. Breeder of Poland China hogs. Well posted in pedigrees. Dealer in real estate. Terms reasonable. Wire or write for dates. Long distance phone 2615. OFFERLE, KAN.

W. C. CURPHEY.

LIVE STOCK AUCTIONEER.

Write, phone or wire me for dates.

Abilene, Kansas.

COL. ESSIE CRAVEN

NORTH BRANCH, KAN.

Twenty Years Selling All Breeds.

LIVE AND LET LIVE

is my motto. Reasonable charges and good service. Choice of dates if you write early.

JAS. T. McCULLOCH

CLAY CENTER, KANSAS.

J. H. MOORMAN.

Live Stock and General Farm Sale Auctioneer. Satisfaction guaranteed. Long distance phone connection.

SOLOMON, KANSAS

kind always on hand and solicit a share of your patronage.—Sutton Farm, Lawrence, Kan.

Fitch's Kant.

On visiting W. T. Fitch of Minneapolis, Kansas, we found him busy attending to his herd of Durocs of which he has a good number on hand. One point we especially wish to call the attention of breeders to is that Mr. Fitch is offering for sale, if taken at once, the good boar, Fitch's Kant. This is one of the richest bred boars of the breed. As an individual he is good and a good breeder, with plenty of scale and quality. This is a rare chance for breeders to get a tried boar and should be investigated at once. Several good bred gilts can also be bought here well worth the money.

Boyle's Durocs.

L. E. Boyle, of Lindsay, Kansas, is one of the coming breeders of Durocs. At present his herd is headed by L. E.'s Wonder by Wonder Chief by Ohio Chief. L. E.'s Wonder was out of a sow by Morton's Decree by Ohio Chief. Notice this breeding, please. Another boar used is Pearl K. by Bonney K. and out of a dam by Improver II. These boars are showing some extra good pigs out of well bred sows. Mr. Boyle has a few bred gilts for immediate sale bred to these boars.

SHORTHORN CATTLE

Tomson Shorthorns

Barrington Knight, sire of Benefactor, champion Shorthorn steer at the International, 1909, and Gallant Knight's heir, a winner of three grand championships, seven firsts and three seconds in ten shows.

Our breeding cows are the best blood lines representing 15 different Scotch families with 3 to 6 Scotch tops. Individually they are low down, thick fleshed, breedy cows of the most approved type.

Ten Head of Choice Scotch and Scotch

Topped Bulls for Sale.

A first class lot of cows and heifers.

Railroad station is Willard on Rock Island, 15 miles west of Topeka.

T. K. TOMSON & SONS, Dover, Kansas.

SHORTHORNS.

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

SHAW BROS., Glade, Kan.

SHORTHORNS AND POLAND CHINAS.

The pure Scotch bull Scottish Archer in service, Polands headed by the line bred Expansion boar Bell Expand. Nothing for sale at present. Visitors welcome. S. B. Amcoats, Clay Center, Kan.

SCOTCH SHORTHORNS.

7 young bulls from 10 to 15 months old. Scotch and Scotch topped; one pure Scotch bull by Blythe Conqueror. A few choice heifers for sale. C. H. WHITE, Burlington, Kan.

SUNSHINE HERD.

20 spring and summer gilts for sale, bred for fall litters, price \$35 and \$40, sired by Farnell and other good boars, out of Dot's best Spartan Fancy Silver Tips. 10 spring boars, just right for service, priced reasonable. A. L. ALBRIGHT, Pomona, Kan.

TENNESSEAN SHORTHORNS.

Have on hand a few young red bulls ready for service that are out 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.

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.

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.

OFFICIAL STATEMENT OF THE FINANCIAL CONDITION OF THE

Bank of Richland

Private Bank, Albert Neese, Owner

at Richland, State of Kansas, at the close

RESOURCES.

Loans and discounts, \$91,234.46

Overdrafts, 102.31

Expense account, 501.45

Cash and sight Ex., legal reserve, 30,811.42

Total, \$122,649.64

LIABILITIES.

Capital stock paid in, \$16,000.00

Surplus fund, 10,000.00

Interest, 2,131.84

Exchange, 40.67

Individual deposits, 59,950.56

Certificates of deposit, 41,526.57

Total, \$122,649.64

State of Kansas, County of Shawnee, ss.

I, Albert Neese, owner of said bank, do solemnly swear that the above statement is true; that said bank has no liabilities, and is not indorser on any note or obligation, other than shown on the above statement, to the best of my knowledge and belief. So help me God. Albert Neese, owner.

Subscribed and sworn to before me this

4th day of April, 1910, Carl Thurber,

Notary Public.

(Commission expires on the 24th day of

April, 1911.)

SHORTHORN CATTLE

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.

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 \$1185. Farm adjoins town. Come and see us.

W. T. LOWE, Jewell, 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, Topeka, Kan.
Bell Phone 59-2.

Shorthorn Bull

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.

HEREFORD CATTLE

YOUNG HEREFORD BULLS.

A choice lot ranging in age from 12 to 20 months, sired by Mystic Baron; all good ones, in fine shape. Among them are some choice herd headers. Prices right. Visitors welcome. Write our wants.

S. W. TILLEY, Irving, Kan.

BEAU BRUMMEL

10th 167719

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

DUROC JERSEYS

BARGAINS IN DUROCS.

Big, growthy, spring boars for sale at bargain prices. Bred right and fed right. Priced right.

E. M. MYERS,

BURR OAK, KAN.

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.

GREENWOOD HERD DUROC JERSEYS.

Herd boar Dandy Duke 64668, 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.

"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.

C. I. CARTER, Albany, Mo.

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.

DUROC JERSEY BRED SOWS

Extra good ones sired by King of Cois, 2nd, G. C's Col. and other good boars. Bred to G. C's Kansas Col., Col. C. and Red Special.

CHAPIN & NORDSTROM, Green, Clay Co., Kansas.

20 - BRED GILTS - 20

Daughters of King of Cois. II and G. C's Col. These are very choice gilts priced to sell. Also a few choice boars of summer farrow.

FRANK ELDER, Green, Kansas.

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.

HOLSTEIN CATTLE

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.

ROCK BROOK HERD OF REGISTERED HOLSTEIN & FRIESIAN CATTLE.

Special offer for next 30 days in bull calves from 1 month to a year old. A few high class registered cows and heifers, and can also offer a few very high grade cows and heifers, consigned to me to be sold by parties wishing to secure pure-breds. 100 head in herd. Address

HENRY C. GLISSMANN, Sta. B, Omaha, Neb.

JERSEY CATTLE

CAR LOAD Registered Jersey Cows and Heifers, also Young Bulls. H. C. Young, Lincoln, Neb.

LINSCOTT JERSEYS

Offers a few choice cows in milk and some bred heifers. Milk and butter records accurately kept.

R. J. LINSCOTT, Holton, Kansas.

RED POLLED CATTLE

AULD RED POLLS.

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

AULD BROS., Frankfort, Kansas.

DUROC JERSEYS

HANLEY STRAIN OF DUROCS

Write for prices.

Paul B. Johnson, Leavenworth, Kan.

CEDAR LAWN HERD.

I have a nice lot of fall boars and gilts sired by Long Wonder, a grandson of International Champion by such dams as Josie Surprise, Bessie Advance and Miss Orion and other popular sows. Write me your wants. F. M. Buchheim, R. 3, Le-compton, 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.

OHIO IMPROVED CHESTERS

MOSSE OF KANSAS

Breeder of O. I. C. swine.

ARTHUR MOSSE, Leavenworth, R. F. D. 5, Kansas.

N. E. Copeland, of Waterville, Kan. a breeder of Poland Chinas has about 50 good pigs, sired by N. E's Perfection by S. P's Perfection and Expando by Expansive. Mr. Copeland also has a small herd of choice Jersey cattle.

Get a Catalog.

There will be something doing at South Mound, Kan., May 17, when Roy Johnston offers to the public one of the best bunches of summer and fall gilts, all of the large type, easy feeding kind. There are 20 herd sows in this herd than cannot be duplicated in any state for size and quality combined, and the produce from these sows will be sold on May 17, 1910. If you wish to avail yourself of some valuable information about the big type breeding send in your name early for a catalog. Don't wait to receive one but write asking for one. They contain a lot of valuable information about the hog business. Kindly mention Kansas Farmer when you write.

Twenty-Five Big Fall Boars.

Herman Gronniger & Sons, breeders of strictly big, smooth Poland Chinas at Bendena, Kan., start an advertisement in this issue of Kansas Farmer. They are offering 25 boars of summer and fall farrow. These are the best from perhaps 50 boars farrowed on the farm last summer and fall. They are big, strong, husky fellows in elegant condition for hard service. They were sired by such boars as Banner Boy, Sunflower King and Graniteers Quality and their dams are big, smooth kind of sows. The Gronnigers have about 200 spring pigs and need the room that the fall boars are taking up. If you want a good one at a very reasonable price write at once, mentioning Kansas Farmer.

Moyer's Poland Chinas.

This week we start the advertisement of C. S. Moyer, one of the most successful Poland China breeders in the west. Mr. Moyer is a thorough breeder not influenced by the fads and fashions of his time. He has a type and sticks to it. While not a crank on pedigree it is his idea that like produces like and pedigree can not be lost sight of if the breed is to be improved. His fine, well improved farm from the poultry yards up to the big barn, are examples of planning of a man who has an object in view, and in his breeding operations Mr. Moyer is breeding to a type. He has his ideal and is striving towards it. He owns and has at the head of his herd the great boar, Special Builder 48523, winner of first in class at Kansas State Fair last year. He was sired by Goodrich Special by Chief Perfection 2d and his dam was Alert's Daughter by Prince Alert 37801. Mr. Moyer has about 60 fine pigs and several of his best sows yet to farrow. Most of them by Prince Sunshine 51757. Mr. Moyer has in his herd at this time a lot of sows of special merit and rich in the blood of prize winners, among them On's Lady by On and On, Miss Dude and May Dude, daughters of Nemo L's Dude Angaline by Voter, Queen Impudence by Impudence I Know, Mischief Irene by Mischief Maker and out of Lady Irene by old Proud Perfection, Pirate by Impudence and out of Fancy by Spellbinder, Rose Bud by Roller Trust and out of dam by Perfect I Know, Miss Victor, granddaughter of Spellbinder, and a lot of other good ones. Mr. Moyer has for sale 10 choice gilts and a like number of boars of August and September farrow that he is pricing low in order to make room for his spring pigs. The writer has seen these pigs and considers them great bargains at the prices for which they are offered. Mention Kansas Farmer when writing.

Frank Iams, The "Live Wire Horseman."

Is using the "Big Stick," cutting prices on his "80 show and business stallions. He has opened up a "new barn" of 40 "show stallions"—(not offered or seen by the public before) all "Gold Medal Winners" in Europe; also 40 "business stallions," selected for "show horses" in 1910. They are "peaches and cream," "top-notchers," and the best bunch of Percheron and Belgian stallions in the United States. These stallions will positively be sold in "next sixty days," at lowest prices ever offered for real "show stallions." Iams has "Lifted the Lid" and "reduced prices \$200 to \$500" on "Show and Business Stallions." Iams' 40 Prize Medal Winners at "Paris and Brussels and leading European Horse Shows" and all his largest and best stallions are still in "Iams Big Barns"—Fully acclimated and all in the "Pink of Condition" and must be sold. "Ikey Boys," get into Iams' "Money saving game." Buy a stallion and save \$1,500. Iams "Tickles" buyers with "Rippers" at "Let Live Prices." Owing to bad crops, panics—Iams' cash, his 28 years' successful business; he bought and sells 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 "middleman's profits" at Iams'. Iams has 80 Percherons and Belgians—80, 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. Iams sells choice of all his "Show and Business" stallions at \$1,000 and \$1,500 (bar 10), 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. He is not in the stallion trust, Iams places \$1,500 insurance. Buy "Show Stallions" of Iams at same price others sell "culls." Ikey, what a "graft" these "stallion" salesmen are working on the farmer, selling fourth-rate stallions at \$2,000 to \$5,000. Mr. Buyer, see Iams' stallions yourself. Take no salesman's word. "Iams has the goods you read about." His establishment is worth going 2,000 miles to see. 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 very much better than our neighbors paid those Ohio men \$4,000 for. Then I can wear diamonds. Iams speaks the language, 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 buyer's fare; gives 60 per cent breeding guarantee. Iams' Guarantee is Backed by Half Million Dollars. Write for Million Dollar Horse Catalog. Greatest on Earth. References: First National Bank and Omaha National Bank, Omaha, Neb., St. Paul State Bank and Citizens' National Bank, St. Paul, Neb.

POLAND CHINAS

HIGHVIEW BREEDING FARM

Devoted to the raising of BIG BONED SPOTTED POLANDS

The Farmers Kind. The Prolific Kind. I am now booking orders for spring pigs to be shipped when weaned. Pairs or trios; no kin.

H. L. FAULKNER, Jamesport, Mo.
Box K.

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.

MELEBOURNE 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, Moguls 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. HABER, 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 order in early.

W. E. Willey, Steele City, Neb.

BIG TYPE POLAND BOARS

7 Poland China boars September farrow. The tops of our fall crop. Extra good ones. Sired by Grandson of the prize winner Price We Know. Out of big dams of Bib Hadley and Major Blain breeding. Will price reasonable.

R. J. PECKHAM, Pawnee 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., Fredonia, Kan.

BIG TYPE POLAND BOARS.

Tops of my fall crop. Sired by grandson of Bell Metal and out of a Big Hutch dam. Excellent individuals; will ship on approval. Also pure Minorca eggs, \$1.00 per setting.

W. F. FULTON, Waterville, Kansas.

BIG STRONG SEPT. BOARS.

Sired by Guy's Monarch, the boar with frame, for 1,000 lbs. and a 10 1/4-inch bone. Out of dam by the noted boar First Quality. Low prices for quick sale. Must make room for spring pigs.

H. C. GRANER, Lancaster, Kansas.

EIMDALE POLAND CHINAS.

10 fall boars and 10 fall gilts. Choice individuals. Sired by Imperial Sunshine and out of Mischief Maker. Impudence I Know, and Voter dams. \$25 each if sold quick.

C. S. MOYER, Nortonville, Kansas.

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. Menahan, 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.

25 SUMMER AND FALL BOARS—25.

We have for sale 25 good summer and fall Poland China boars, many of outstanding individuals. The best out of 50 head. Must have room for our 200 spring pigs and will sell you a boar at very reasonable figure. Best big type breeding. Write at once. Mention this paper.

HERMAN GRONNIGER & SONS, Bendena, Kansas.

BERKSHIRES

RIDGEVIEW BERKSHIRES.

2 herd boars for sale. 1 two-year-old by Forest King, other males of different ages. 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.

SUTTON BERKSHIRES

were champions at the American Royal and International shows. 30 bred gilts, 150 and 350 lbs., sired by or bred to our wonderful sire, Herryton Duke Jr. or Star Duke 4th, junior champion at International Show. Guaranteed strictly choice with short heads, size and quality. Also 10 fancy boars, 125 to 300 lbs.

500 Head in Herd. Sutton Farms, Lawrence, Kan.

THE STRAY LIST

Coffey County—Geo. Throckmorton Clerk. STEER—Taken up, Nov. 1, 1909, by D. W. Olney, Waverly, Kan., one steer, light red with white spots, dehorned, 2 years old. Valued at \$35.

FRANK IAMS'

"Selling Clothes" will fit all buyers, prices reduced for 60 days. He has all his "Prize Winners" and largest horses on hand. His 1910 Imported Stallions have all competitors "skinned to a frazzle." They are "rosy ripe," and in the "pink of condition." All imported September, 1909, and fully acclimated. They are "Live Wire" "business propositions," that "knock the persimmons" on a "wide-awake" "horse buyer's Easter hat." Iams' "Peaches and Cream" imported stallions are "Eye-Openers," "Big Diamonds" (compared with others). His barns are full of "Top Notchers" and at big bargains, and all must "positively be sold" in the next 60 days. IAMS

40 Prize Medal Winners

at Paris and Brussels, and leading European "Horse Shows" are still in "Iams' Big Barns." "Ikey Boys" get into Iams' "money saving game." Buy a stallion and save \$300.00. Iams "tickles" buyers with "Rippers" at "Let Live Prices." Owing to bad crops, panic—Iams' cash, his 28 years' successful business. He bought and sells 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 "middleman's profits" at Iams. Iams has



100 Percherons and Belgians

Two to six years old, weighing 1,700 to 2,500 lbs.; 90 per cent blacks, 50 per cent ton stallions. All registered and branded. He sells "Toppers" at \$1,000 and \$1,400 (few higher), so good that 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. He 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 \$2,000 and \$5,000! Mr. Buyer, see Iams' stallions yourself. Take no salesman's word. "Iams has the goods you read about." His establishment is worth going 2,000 miles to see. 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 neighbor paid those Ohio men \$4,000 for. Then I can wear diamonds. Iams speaks the language, 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 half million dollars. Write for Million Dollar Horse Catalog, Greatest on Earth. References—First National Bank, Omaha; Omaha National Bank, Omaha, Neb.; St. Paul State Bank and Citizens' National Bank, St. Paul, Neb.

ST. PAUL, NEBRASKA.

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.

DANIEL WREN, Manager,

EUREKA, - - - KANSAS



ROSS FARM

Registered

PERCHERON STALLIONS AND MARES, KEN-

TUCKY 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 bred stallions 2 to 4 years old, all extra good, big boned, smooth fellows 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, Alden, Kan.** Farm adjoining depot, main line A. T. & S. F. R. R.

BELGIANS and PERCHERONS

I have 22 big Belgian stallions that weigh from 2,000 to 2,500 each. Also have a number of big, heavy, ton Percherons, weighing up to 2,400 each. I am making extremely low prices on big stallions for the next 30 days and it is to your interest to see them if you want a big boned, heavy horse. I can show you the largest Belgians and the best bone and quality that you can find in the United States for the money.

W. L. DECLOW,

America's Largest Horse Importer,

Cedar Rapids, Iowa.

HOLLAND STOCK FARM

IMPORTERS AND BREEDERS OF

Percheron and German Cattle Stallions and Mares

Do you want to buy a stallion for cash?

Go to the Holland Stock Farm.

OHAS. HOLLAND, Prop.

-1-

Springfield, 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.

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.

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



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.

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.

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

H. N. HOLDEMAN,

Meade,

Kansas.

STALLION BARGAINS

Imported and Home Bred Belgian Stallions.

Wolf & Cooper are offering reduced prices on choice Belgian stallions for next 20 days. All are good individuals and sold with an absolute guarantee. 2 of these horses won at the Belgian Horse Show at Brussels, Belgium. Call and see **DAVID COOPER, Mgr.,**

Freeport, Harper County, Kan.

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.**

FOR SALE—I have a good road or general purpose stallion (Standard bred, but not registered), sired by Douglas Almost (0898) by Alice Gaines by Almost (23), dam by "Championian" by Hambletonian 10. Bred by the present owner, has never been abused and is a sure foal getter and gets good ones. Fine disposition. \$200 will buy him. Address "H," Box 314, Baldwin, Kan.



KUPER'S ANNUAL



SHORTHORN SALE

**THURSDAY
APRIL 28, 1910.**

At Humbolt, Neb.

Seventh Annual Sale comprising 40 head, two-thirds of which are straight Scotch. The others having a number of Scotch crosses. 12 choice red bulls in age from twelve to twenty-four months. 8 of them straight Scotch. Very blocky and of the real herd bull stamp.

28 cows and heifers, Victorias, Butterfly's, etc. Nearly all of them of our breeding. Many of our families are producers of strong milkers and we have never had any use for a nurse cow. All of the females that are old enough will either have calves at foot or be in calf to Imp. Strowan Star 289990, the best bull we have ever owned. This offering has been fed upon such feeds as grow on the farm and they will come into the sale ring in much the same condition that I keep my breeding herd all the time. There isn't an old cow in the sale nor a poor individual. I am sure these cattle will please the most exacting and those that buy them will make money. Write at once for catalog, mentioning this paper.

Henry H. Kuper

HUMBOLT, NEB.

N. E. Mosher, Hugo, Colo., formerly a breeder of pure bred live stock in Missouri, is advertising a tract of 4,000 acres in this issue of the Kansas Farmer. The land is only 3 miles from Hugo, a county seat and division point. Mr. Mosher writes us that he will sell this land in any sized tracts, on most liberal terms, to Kansas Farmer readers. It will pay you to write him, mentioning the Kansas Farmer. Big crops are the rule around Hugo, and this is especially good land.

High Prices at Gronnigers.

Herman Gronniger & Sons, of Ben-lena, Kan., held a sale of bred Poland China sows and gilts at the farm April 5. Although the offering was

nearly all bred for very late farrow, May or later, and the day was cold and rainy the entire lot sold at an average of over \$53 with a \$75 top. Tom Meisner of Sabetha, Kan., paid that price for No. 1, in the catalog. This price was also paid by Frank Holling of Severance for a gilt sired by Sunflower King. Among other buyers were: Andrew Meisner, Tom Meisner's little son, who bought No. 4 at \$70. S. B. Amcoats, Clay Center, Frank Denton, and E. Denton, both of Denton. A. F. Coffett, Horton; J. B. Dillingham, Platt City, Mo.; Geo. Bitner and Lee Kibler, Severance.