

KANSAS FARMER

FOR THE IMPROVEMENT

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How to Advertise and Sell at Private Sale

By WM. H. ROBBINS.

There is nothing more hazardous in any business than the selling end. This is where most business men who fail to make a success, fall down. They figure the cost of production all right, but fail to estimate correctly the cost of disposing of their product.

The breeder of pure bred stock should give particular attention to the disposing of his surplus profitable. He is at a disadvantage for two reasons: Because he is not selling an article that is in itself a necessity to the average buyer, and because his training as a salesman has probably been in the line of selling such necessities as grain and fat stock, the selling of which requires no advertising or salesmanship at all. It is true that pure breeding and improvement of live stock is necessary to the future welfare of the country and of coming generations, but pure bred live stock can not be classed with fat stock, corn, potatoes, and all staples that are necessary to the maintenance of life, and for which there is always a market value.

Pure bred live stock is, from a selling view point, more in the class with insurance, good books, telephones, and other articles for which a demand must be created. They are good things, but need lots of pushing because any man can live without them.

In regard to the creating of a demand for pure bred live stock, this is something that need not worry the breeder, as our experiment stations, our agricultural writers, and our agricultural journals are constantly at work on it. It is a work that should receive the support of all good breeders, both individually and through their associations. A breeder should let severely alone as an advertising medium any agricultural journal that neglects or is lukewarm in the work of creating a demand for improved live stock. The best way to learn how to advertise is to watch the work of successful advertisers, both in your line and out of it. By studying the advertising that appeals most to you, you will learn the methods that will appeal to those you want to reach.

The man who sells at private sale can only afford to use as his advertising mediums those journals that are in themselves interesting to the reader. The journal that is one solid mass of live stock advertisements, and has little or no reading matter that is of practical interest and benefit to the general reader, is a poor advertising medium. It is necessarily read almost exclusively by those who are advertising in it, and they are the ones who have stock for sale, and are not usually buyers. Select a publication for advertising that will reach the kind of customers who want your kind of stock, and who are willing to pay what it is worth. If I wanted to sell service boars at \$40 and bred sows at \$50, it would be foolish for me to insert my advertisement in a paper in which advertisements are carried for service boars at \$5, and bred sows at \$7.50.

Breed your stock and grow it out so as to have it ready and right, and with the bloom on at the time of the year when the demand is strongest.

Treat your advertising space as you would a field. Cultivate and rotate so as to get the most out of it that is possible. Every inquiry costs you money, and should be answered promptly and given close attention. Remember that when a man wires you, he wants something. He may be out of the notion next week. He has probably written several others, and the most prompt and interesting reply will be the one that will get his trade.

Do not put off answering inquiries until you are tired out from other work. Find out as much as you can about your customer and his needs, from his letter. If possible, look up the blood lines that he has been using. Look at your animals from his standpoint. Find out what he wants; then describe it to him as accurately as possible. Give him all the information that will help him in making a choice. Do not exaggerate in any particular, and be as enthusiastic as the animal warrants. Say everything that

is true that will help you to make a sale. If possible, get your prospective customer to visit you and see the stock. After you have made a sale, never lose sight of that customer. If he is not satisfied, satisfy him. If he is satisfied, he is the best advertisement that you can possibly have, and should be treated with every consideration.

Any amount of study put on the subject of letter writing will pay the man who sells by mail order. A copy of every letter should be kept for reference, and for the protection of the writer. It is an easy matter to make carbon copies where a typewriter is used. Where the letters are written with pen, the stationery can be bound up with blank sheets so that the carbon paper can be inserted and the copy made in this way. Go over your inquiries and your replies to them frequently, and sort out the letters that you have written that make sales from those that have failed to. Compare them. Try and find out

the reason why some letters sell stock, and others do not. Get next to your business, and improve it in every place that it is lacking.

It looks as though business comes easy to some men, but you can put it down as a fact that they had to get out and hustle for it to start with, and that they have had to build up and maintain a reputation for having the goods. In planning a campaign to sell live stock, the breeder should go at it as a life-time proposition. Advertising and reputation have an accumulating value like money at compound interest. Money at six per cent compound interest will double itself in about twelve years. Advertising space used a hundred times has several times the value as a trade puller that it had the first time it was used. So will a breeder's reputation, good or bad, double itself ever so often. After a breeder has been selling stock for a time, he begins to receive letters from men, inquiring for animals as good as the ones sold to their neighbors. That is his good reputation increasing. His bad reputation will increase also if great care is not used. The man who has never had a kick is the one who has never sold much stock.

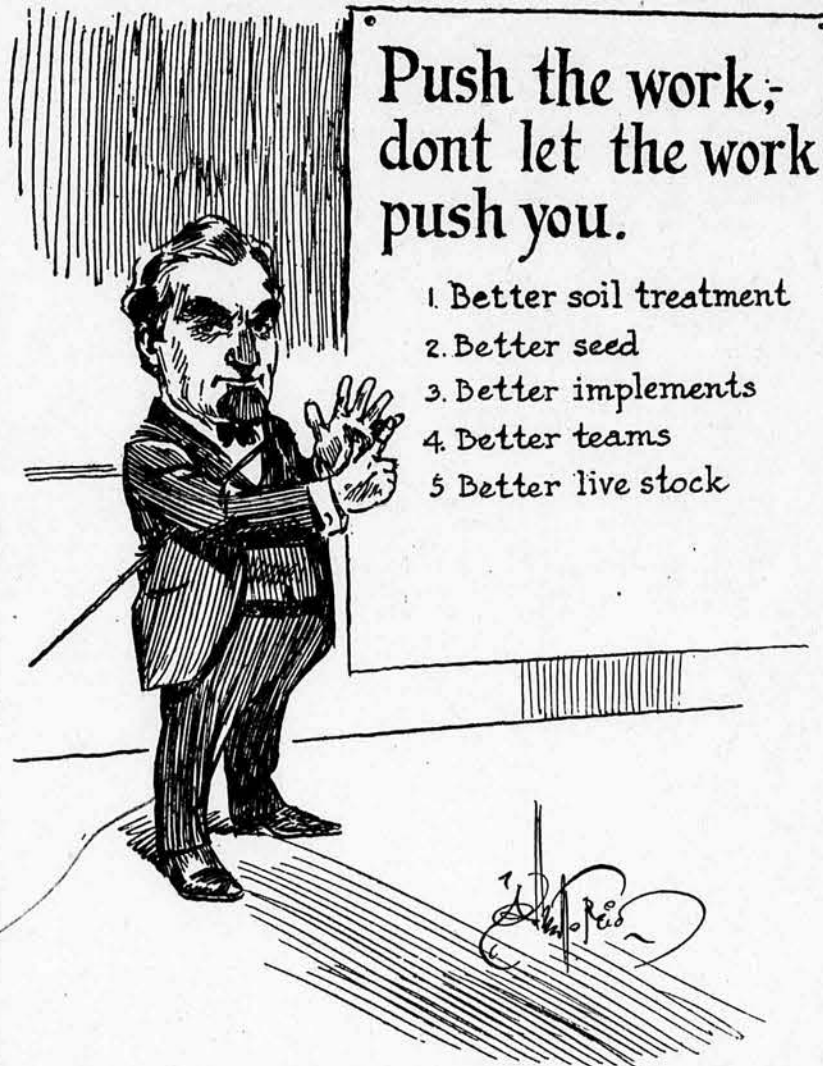
The best way with mail orders is to guarantee that the animal will suit the buyer, and if not suited, to allow him to return it within a short time after he receives it. This makes the seller more careful in his selection, and the buyer is more apt to be satisfied than if he feels that he must keep the animal. Never let a man hold a just grievance against you. Be more than fair with every customer. Make an honest and fair breeding guarantee on every mature animal sold and include in it that if the animal proves a non-breeder, it shall be returned to you for trial. Do not compromise when a man complains. Take back the animal, and if it proves a breeder for you, the customer should pay the expense. If not, he should have his money back. Selling for cash, rather than credit, will kill lots of kicks. The animal sold for cash will be better cared for by the buyer than the animal sold on time.

One of the best indirect methods of advertising is the free use of a sharp knife. Good steers, barrows and wethers will do the breeder and his reputation more good on the farm, and off of it, than medium bulls, boars and rams. To castrate all but the best males helps the breed, and the man who helps the breed with which he is working, is helping himself at the same time.

The entire proposition of selling pure bred stock can be stated in a few words. Have the right kind of stock and stay with it. Use the right kind of advertising and stay with it. Get the right kind of customers and stay with them.

Spraying must be regularly attended to from the start—with Bordeaux mixture to keep the foliage good and to prevent scab and bitter rot, and arsenates in the bordeaux at the fall of the bloom to kill the larvae of the codling moth, and then with lime sulfur to kill the scale. The man who neglects spraying should not plant an orchard, for he will only make a breeding place for pests to bother his neighbors.

Kansas Farmers' Little Object Lessons.



"Observe these five propositions and you will add to your bank account and multiply the value of your farm."

THE PERCHERON HORSE

By Thos. E. Clark, Manhattan, Kansas.

The breed of Percherons takes its name from the old district of La Perche. This district lies mostly between the rivers Seine and Loire although a part of it is on the south side of the Loire. The center of the district is about one hundred miles southwest of Paris. Here at Nogent-le-Rotrou is held an annual Percheron horse show.

Horses similar to the Percherons have been bred here from time immemorial. The modern breed is supposed to have descended from the draft horses of Normandy and Flanders. These horses were known as Flemish horses or the old Black Horse. Normandy and Flanders can be said to be the original home of all draft breeds of horses. Some Frenchmen even go so far as to assert that the Percheron existed as a breed in geological periods previous to this one. They base their claims on the skull of a horse found near the Seine in 1868.

The real differentiation of this breed came with the introduction of eastern horses after the battle of Tours in 732. The defeat of the Saracens left many Arab and Barb stallions to be bred to native mares. The introduction of eastern horses continued from time to time until 1820 when the grey Arabian stallions Godolphin and Gallipoli were brought to France. These had a great influence in the improvement of the breed and probably gave them the gray color and more quality and ambition for work. The early Percherons were used for post horses and carriage horses. They were able to draw a considerable load for a long distance at the trot. This old type is still preserved in a smaller type of Percheron. This variety today supplies the greater number of horses for the omnibuses and delivery wagons of Paris.

In the early eighties the American demand for Percherons had become so great and so many of the breeding stock has been sold that there was a dearth of pure bred Percherons in La Perche. This fact and the American demand for larger horses caused mares from the district north of La Perche to be brought in. These mares were Belgians, Boulonnais, mares of Picardy, some Breton mares, etc. Very few of the breeders did not use some of the northern horses to improve the size. There were, however, some horses which were not crossed at this time. Mr. J. H. Sanders of the Breeders' Gazette reports that he met in France in 1887 a whole community of breeders who had no outside blood for seventy-five years. The introduction of these northern horses was not entirely successful. Often quality of bone and action was sacrificed to size.

There are two stud books in France in which Percheron horses are registered. The only one which gives guarantee of breeding is that published by the "Société Hippique Percheronne." This society is composed of farmers and breeders of La Perche. Now only horses and mares whose sire and dam are recorded can be registered in the stud book. Percherons can also be registered in the Stud Book of the French Draft Horses. This book is issued by the "Société des Agriculteurs de France." It admits all the entries from the Percheron Stud Book and entries from the other stud books of the draft breeds; also any horse whose sire and dam have no mixture of any other than draft horses for two generations back. As far as purity of breeding is concerned, record in this Stud Book is worthless.

In America, the Norman Horse Association was organized ten years before there was any French society at all. By the action of the secretary the name was changed to the Percheron-Norman Horse Association. When the French society was organized in 1883 the American society fell into line and discarded the word Norman. It was ruled that no animals imported after Jan. 1, 1884 could be registered unless registered in France. The Percheron society of America is the successor of these old associations. Its headquarters are in Chicago. There are now two other Percheron stud books. One is published by the Percheron registry company of Columbus, Ohio, the other by

the American Breeders' and Importers' Association with headquarters at Plainfield, Ohio. The National Norman Association was organized in 1882 by some breeders of Illinois. The present National Registry of French draft horses is the successor of this association.

The early history of Percherons in America is rather obscure. Draft horses from France had many names applied to them, Percheron, Norman, Norman-Percheron, Percheron-Norman, and French Draft. The name Norman was confined almost entirely to the west. The first importation was the McNitt horse in 1816. He was taken to Quebec and later was sold into Washington County, New York. He is supposed to have come from Normandy. Some of the more important importations were in 1851. In that year the stallion Louis Napoleon was imported to Union County, Ohio. He was afterward sold into Illinois where his descendants had a large part in placing Illinois in the front rank for draft horses. In the same year a stallion by the name of Normandy was imported into Ohio. He sired many good draft colts. In 1853 two or three Percherons were brought to Baltimore, Maryland, by Col. Charles Carroll. Since then there have been importations nearly every year. Some importations have been of very inferior quality while others were the best specimens of the breed.

Kansas as a state does not rank very well in draft horses' production. The horses of Kansas are of a poorer grade than any other live stock. There is now some decided interest and improvement being manifest. There are a few Percheron breeders in Kansas whose horses rank with the best. Among them are J. C. Robison, To-

wanda, Kan., O. L. Thistler of Chapman, Mr. J. A. Gifford of Beloit, and several others.

The wide popularity of the Percheron horse in America and in Kansas gives him at least a plausible claim to the highest rank among draft horses. The high place that he now holds is the result of two causes, priority and merit. The large importer has and is now pushing the Percheron for no other reason than the money there is in it.

The characteristics that have made the Percheron so popular are many. His clean cut head and limbs are perhaps the first consideration. The legs of the Percheron are free from hair and the bone is fine and of good quality. It has been charged against him by critics of the breed that the bone is often too fine, the pastern too straight and short, and the hoofs contracted. Popular opinion and the buyers on the market, have decreed that whatever the size of his bone, or the length and angle of his pastern, he can outwear all others on country roads and city pavements. The Percheron has an unusually fine head. It often approaches in fineness the Arabian or Thoroughbred. There are not so many Roman noses and deep set piggy eyes among Percherons as among the Clydesdale ranks. Neither do we find the dished-face and meaty heads as among the Belgians. The Percherons have been criticized for their straightness of shoulder and shortness and steepness of rump. A great many of the breed and a goodly per cent of the grades are prone to these faults. The shoulders of the breed are not as sloping as the Clydesdales but the winners of late years have shown remarkable improvement in this respect. The Percheron is rather high at the rump

which gives him the impression of shortness of rump which he does not possess. The breed is not as smooth as the Clydesdales over the rump and about the hips nor is the tail set high enough. Very often we find with the steep rump, sickle hocks and poorly set hind legs. The winners of late years and a great many of the best horses are strikingly free from these defects. A level long straight rump, with tail set high and good straight legs with hocks set close together are the rule in Percheron show rings today.

One striking difference between the Percheron and the Clydesdale is the set of the hind legs. In the show ring the Percheron judge demands that the hocks be straight. The hock must point straight backward and the toes must point straight forward. The Clydesdale on the other hand must have the points of his hocks turned in and the toes turned slightly outward. For practical purposes I do not see why there should be this distinct difference. If it is good to have the Clydesdale hock point inward I see no reason why an otherwise good Percheron should be criticized for having his hocks set in a similar manner.

The pedigrees of Percherons do not go by families. The noted sires mark the different strains of breeding. Nearly all the registered animals in the French stud books trace to the noted stallion Jean-le-Blanc. This stallion has had such a profound influence on Percheron history that his picture, description, and pedigree were placed at the beginning of the French stud book. His grand-sire was the Arabian stallion Gallipoli. This horse greatly resembled an Arab in quality and conformation. In America there have been a great many excellent breeding and show stallions. The stallions Louis Napoleon and Brilliant 1271 (755) deserve special mention. The champion Percheron stallion at the International this year, Carnot, was a line bred Brilliant. He is a very fine specimen of the breed. His weight, smoothness of body, the quality about his head, legs and feet, together with his fine action can scarcely be surpassed.

In the market for draft geldings the Percherons are largely sought for. Remarkably long prices have been paid in the Chicago market for grade Percheron geldings. At the draft horse show at the International every year except last year the champion gelding has been a Percheron.

In speaking with a great many farmers concerning the breeding of draft horses most of them say that they do not want the heavy horse on the farm. They say that the horse weighing 1250-1400 pounds is large enough. Perhaps this is true at least I will not dispute the statement now. The farm chunks, as this class of horses is called on the market, are the most abundant and least sought of any class of market horses.

The horse that has weight does not wait long for a buyer in any market. The farmer who keeps heavy draft mares and breeds them to a pure-bred stallion will realize a good profit on his investment. The mares and young horses which are not marketable will be sufficient for farm work and the marketable horses will be a constant source of income. There is no way that the farmer of Kansas can sell his cheap feeds of the farm for a higher price per pound than by feeding them to draft bred colts.

In commenting on market conditions a Chicago dealer said that draft horses in Chicago would bring more money in the auction ring than he had the nerve to ask at private sale. The present bad weather has created such a demand for horses that there is now a scarcity even before the spring trade with the farmers begin. A good two-year-old Percheron stallion can be bought for one thousand dollars. The first year he is used in the stud he should sire more than enough marketable colts to pay for himself allowing a good margin for the use of the mares. As Percheron grades are in great demand at present farmers can do no better than select their mares or drafty conformation and breed them to pure bred Percheron stallions. There will always be enough under-sized and scrub horses to supply the demand.

Western Kansas

Thinking that perhaps some of your readers might be glad to know something of this so-called "short grass country," and partly to correct a wrong impression that prevails among a great many people regarding this country in general, and our annual rain-fall in particular, I will venture this article.

Referring to our annual rainfall, I desire to say that with perhaps the exception of one year, 1894, we have always had sufficient rainfall during the year to mature crops; the only failing being that some seasons the precipitation is not sufficiently diversified; meaning by this, that we sometimes have a great downpour at one time, sufficient, to mature crops had the same amount fallen at different periods, in light showers, in place of all at once, and the larger part running off into the draws and creeks. However, the tendency from these extremes, to a more diversified rainfall is noticeable, and acknowledged by all observing people. Also that our annual rainfall is increasing, is proven by the Government rain-gauge stationed at this place, Ness City, from which a complete record has been kept from January 1st 1894, to the present time, or a period of 16 years. By dividing the total precipitation into eight year periods, we find the total precipitation during the first period from 1894 to 1901 inclusive, to have been 166.87 inches, or an average of 20.86 inches. Taking up the second period from 1902 to 1909 inclusive, we find the total precipitation to have been 181.54 inches, or an average of 22.69 inches. This gives us an average increased rainfall for the latter period, or 1.85 inches. Some scientific writers on the subject of rain-fall contend that 12 inches of annual rain-fall is sufficient to mature crops; while of the most extreme writers on the subject that I have any knowledge, none claim over 20 inches of annual precipitation is required to mature all crops; both of which estimates, our annual rain-fall exceeds.

Our people are more on an equality

than in the east, and not divided into social classes and aristocratic circles as elsewhere, but rather the Latch string of hospitality and sociability hangs out, and the true Christian spirit prevails within our people, consequently a more religious and social unity. Our country is dotted with enthusiastic and progressive churches and Sunday-schools.

That our people as a whole are prosperous is evidenced by the fact that the county has no paupers of County charges, and has not had for years. As a business man of this town remarked in a recent conversation, that he believed a person could start in at east line of the County and take the people that had been here from 10 to 30 years as they come through to the west line of the County, and their average wealth would not be less than \$10,000. Show me an eastern county that can make the same claim. We have a very productive dark loam soil, fine water at a usual depth of from 10 to 50 feet. We also have several varieties of high grade building rock in different localities in the County.

Just why so many people of limited means will stay in the east and rent year after year for, when in many cases the rental paid in one year, would buy them a home of their own in this western country, is beyond my comprehension. We have many people who came here with absolutely nothing, that are well to do today. Nine out of ten of the people that have sold out here of late years are of this class, and go away with sufficient means to buy them fine farms in the east even at prevailing high prices, and pay the cash. I would be glad to know of any appreciable number of renters that have accumulated sufficient from renting in the last 10 or 20 years to buy and pay for a good farm. This letter has matured into somewhat of a rambling epistle, and for fear that it will be relegated to the waste basket. I will close by asking: "What's the matter with western Kansas?"—J. G. Collins, Ness City, Kan.

At Last PLOW BOTTOM

A Universal—All Purpose

Which Will Turn Any Depth of Furrow in Any Kind of Soil With Equal Perfection.

The Most Wonderful Invention in Farm Implement History Which Will Revolutionize the Plow Business of the World

We, the Rock Island Plow Company, have discovered the long sought principle which makes one plow bottom suitable for all kinds of work in all kinds of soil under all kinds of conditions—a **universal, all purpose bottom**.

Implement makers have been striving for this for the last 40 years. All but ourselves long ago gave it up as an impossibility—like Flying and Perpetual Motion. **We Persevered—and have WON.** And peculiarly enough the problem of flying in the air (another supposed impossibility) was solved at the same time.

The marvelous performance of this wonderful Universal (C.T.X.) Bottom is almost beyond belief. Every farmer who saw our field tests when we were proving it out became wildly enthusiastic. A surprisingly large number gave orders on the spot for delivery when the plows could be got ready for the market, whenever that time might be. You never saw anything like it. You'd think every man on the ground had discovered a gold mine on his farm.

The Enthusiasm Was Merited

Considering performance, this whirlwind of enthusiasm was to be expected.

Think of one single plow which will do all this right before your face and eyes—

- Turn over SOD without kinking
- Turn under STUBBLE of any kind (wheat, oats, rye; ANYTHING) and not leave a bit of trash showing
- Turn under CORNSTALKS with the same perfection—every stool covered out of sight
- Turn a furrow 2-IN. DEEP and cover all Sod, Stubble or Cornstalks perfectly
- Turn a furrow 8-IN. DEEP under the same conditions equally well

AND—Not only do all this, but do it perfectly in all soils—Sand, Clay, Waxy Bottom Land, Gumbo, Stony or Gravelly—and best of all with less draft than any other gang plow cutting the same width of furrow.

No matter what the condition of the soil, or what is ON top to be turned under the Universal (C.T.X.) Bottom always turns a

We fully and unqualifiedly **GUARANTEE** the performance of the Universal (C.T.X.) Plow Bottom to be exactly as stated in every particular, if simple directions as to setting up and hitch are observed, and will take back any plow which does not make good our claims in the field.

PERFECT FURROW. There is no "spilling over"—the furrow bottom is **clean as a floor**. The slice (no matter whether thick or thin) begins to turn as soon as cut loose from the land by the coulter and flows smoothly over the entire surface of the mould board without crimping, until it turns completely over, **burying all the trash**. The land is also left slick and clean. No dirt can slop over on the land side.

No Wonder Every Farmer Wants It

For it means that just ONE PLOW fits him to meet every plowing problem on his farm, no matter how diversified his soil or crops. It means that if he has several plows (as at present) that ALL are suited for the field which must be ready first.

These Wonderful Universal (C.T.X.) Bottoms Now Ready For You

We spent all last year testing and trying our new bottom under every condition of soil and crop we could find from the wheat fields of Canada on the north to the cotton fields of the South, and from the sands of California to the waxy lands of Texas. The last few months have kept us busy filling orders taken during these try-out tests. We have now sufficient of our Liberty Gang Plows equipped so that

Every Farmer Can Now Try This Wonder Worker

But go to your dealer **early** and leave your order, for the demand from everywhere is so tremendous that we are compelled to fill orders in the order received—**first come, first served**. The thousands of orders and inquiries already in confirm us in our original belief that inside the next year or two there won't be a plow in the country which is not equipped with this modern miracle of mechanics.

ROCK ISLAND UNIVERSAL (C.T.X.) BOTTOMS

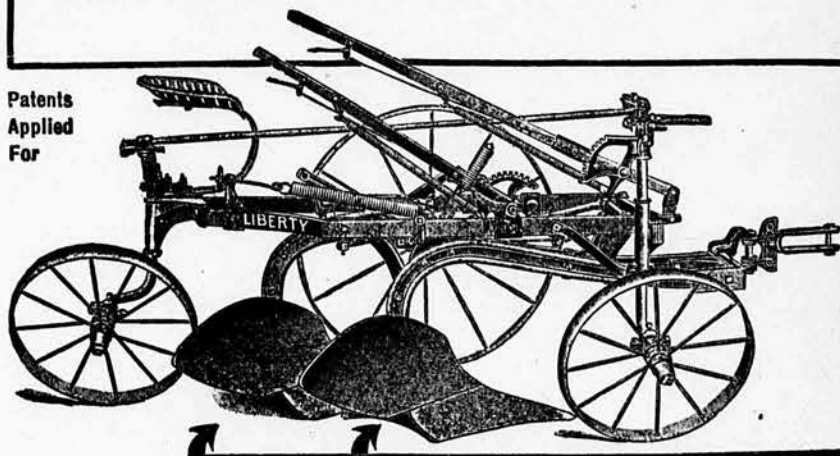
Now Ready on our Liberty Gang Plow

Our Liberty Gang Plow has gained such a reputation among progressive farmers for ease of operation, easy draft and wonderful durability that it needs no lengthy description. Those who have used it for years side by side with all other gang plows, say it is the **BEST GANG PLOW EVER MADE**, because it has the good points of all with none of the weaknesses or disadvantages. The addition of the new Universal (C.T.X.) Bottom puts it so far in the lead of all other Gang Plows that they must forever continue in the "also ran" class.

GO TO YOUR DEALER TODAY and leave your order for one of these Wonder-Working plows. Read our Guarantee in the upper panel and remember the great Rock Island Plow Co. is behind it. You take no risk. It means so much to you to have one of these Plows that if your favorite dealer hasn't got it, it will be money in your pocket to hunt up the dealer who has, even if you have to make a special trip to the city. Don't listen for a minute if a man tries to shove off anything else on you—you'll be sorry if you do. Remember there is **NOTHING** "just as good" or a hundredth part of it. And that's Gospel Truth.

To Dealers: The whirlwind of business and the hundreds of letters which have already come to us about these Bottoms has convinced us that we are stating facts when we say that Plows with these Bottoms will be the **only ones which can be sold** inside of a few months. Which means that Rock Island dealers will do the business in their sections. We have a full line of A-1 implements, each supreme in its class to back up the plow. If you are ambitious to handle the **WINNING LINE**, please write promptly. All things being equal, our account will go to the man who is able to "see the handwriting on the wall" and therefore **writes first**.

Note the peculiar corkscrew, auger-like twist of the mouldboard. A slice of any thickness spreads out evenly over the surface without crimping and turns clear over, burying all trash completely. No spilling over into the furrow or slopping forward onto the land. We control the shape of these mouldboards and they cannot be had on any other make of plow.



Patents Applied For

Rock Island Implement Co., Kansas City, Mo.



Buy a manure spreader first and the piano will come of itself.

The farmer with a good team generally has a good bank account. A man may not be judged by his clothes but a farmer is judged by his horses.

Agricultural conditions at this time would seem to be generally promising in Kansas. A very few localities report supposed damage to the winter wheat by the smother of the ice cap but they are scarce and the reports not well founded in fact so far as present information reaches. The soil is full of moisture and this condition will almost insure a wheat crop. Corn is about all in and our correspondents generally feel sanguine over the prospects.

Some of our subscribers will be disappointed in not receiving their copies of the Kansas Farmer on time this week. This is a matter of sincere regret to the management, but it could not be avoided. Our paper supply is shipped from the factory in car load lots in ample time, though the stress of weather in the north has caused one car to go astray. As soon as this fact was known another car was ordered, and this has failed to reach us on time. Meantime, the regular order for the third car is being filled. Other publishers are in the same fix, and it has been difficult to secure a sufficient amount of paper to issue Kansas Farmer on time. This delay in shipment is very expensive to Kansas Farmer.

Old and experienced stockmen admit that present conditions in the live stock industry are unlike anything before experienced in recent years and yet they can see nothing but an era of prosperity ahead. This applies especially to the breeders as they are the ones to whom the country must look for the restocking of the depleted hog pens and cattle yards. That there is a shortage in meat producing animals is undeniable but that this shortage is due to any one cause, whether political or economic may well be doubted. The ravages of swine disease, the obliteration of the cattle ranges, the tremendous increase in our population from foreign lands, the congestion of our people in cities and the consequent curtailing of the working force of the farms and the dedication of what were once great cattle ranges to wheat farming are surely among the important reasons for the conditions which now confront us without mentioning the tariff or other political influences, which may have had their effect. But whatever the causes the condition is here and the breeder who has good animals to sell should reap his reward in a strong market.

GROCERYMAN FINED FOR SELLING BAD EGGS.

The daily press reports that Alex Kerr was brought into court at Oskaloosa, Kan., recently on complaint made by the Stockwell Cafe to Inspector Kleinhans for selling two dozen eggs of which 11 were rotten. Mr. Kerr refused to make the bad eggs good to Mr. Stockwell and refused to furnish the name of the farmer who sold the eggs. He pleaded that it was not his fault that the eggs were bad, but the court held that he had violated the food laws in selling bad eggs and fined Mr. Kerr \$10 and costs.

HOW THE FARMER'S MONEY COMES.

Only a few weeks ago the statement was made as coming from the United States Department of Agriculture that the farmers of this country had just harvested the greatest crop in their history. The figures as given were staggering and included a corn crop of 2 1/4 billion bushels. A little figuring on the side, however, shows that the average yield was only 25.5 bushels per acre as compared with 26.2 bushels per acre last year, and a general average for ten years of 25.3 bushels per acre. Later the statement was published that the crop of 1909 would fall 20,000,000 bushels below the aggregate for 1908 even though there was an increased acreage. This average yield per acre would mean less than one good ear to the hill of corn. In fact, if one good

KANSAS FARMER EDITORIAL

With which is combined FARMERS ADVOCATE. Established 1877.
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ALBERT T. REID, President. S. H. PITCHER, Secretary.
J. R. MULVANE, Treasurer.

T. A. BORMAN, I. D. GRAHAM, Editors.

Chicago Office—First National Bank Building, Geo. W. Herbert, Manager.
New York Office—41 Park Row, Wallace C. Richardson, Inc., Manager.

Entered at the Topeka, Kansas, postoffice as second class matter.

SUBSCRIPTION PRICE—\$1.00 per year; \$1.50 for two years; \$2.00 for three years. One renewal and one new subscription, one year, \$1.50. One renewal for two years and one new subscriber for one year \$1.75. One renewal for three years and two new subscriptions each for one year, \$2.25. The date of subscription will be found on the label on your paper. We follow the usual custom of publications, and conform to the desire of most subscribers, by sending the paper until an order is received to discontinue it. We must be notified in writing when the subscriber desires the paper stopped. Returning the paper is not sufficient as we cannot tell from the label alone what the address is. Both name and address must be given and all arrearages paid.

ADVERTISING RATES.—25 cents per month of reputable advertisers respectfully solicited. No medical nor questionable worded advertising accepted. Forms close Monday.

OUR GUARANTEE.—It is our belief that all advertisements in this paper are from reliable persons or firms. To show that we are

ear to the hill could be secured it would mean about 35 bushels to the acre. Now think about farming and making money on land that cost \$100 per acre with high priced help, machinery, high taxes, and the interest that one is entitled to on his investment and see where the farmer's enormous profits come from.

STREET SWEEPINGS USED AS A FERTILIZER.

Recently a Topeka professional man who owns a farm to which he gives a great deal of attention, told the writer that he had made an arrangement with the city street commissioner whereby he secured the street sweepings for use as a fertilizer. He stated that the cost for loading into the cars, for railway freight, and for unloading and distributing with a manure spreader averaged about \$50 a car, and that he was sending a car out about every two or three weeks, and would continue to do this until he had covered his entire farm with this fertilizer.

As the material gathered by the street sweepers is composed almost entirely of dust and horse droppings and as it is in a pulverized condition the owner hopes to reap immediate benefits from its application. There can be no question that the waste of the city would be of immense value if it could be utilized on the farm for fertilizing purposes. It has been estimated that the city of Paris wastes through its sewers many millions of dollars each year, while the waste from the wash of agricultural land into the rivers and harbors has been put as high as a hundred million dollars per year. If these figures are approximately correct, what must not the waste of the United States be with its immensely greater stretch of territory. Whether it is profitable, or could be made so, to utilize city waste for farm manure is a question that has not yet been solved, but that the farm alone can not produce all the manure it needs except by the most careful methods of soil conservation and feeding, has come to be an accepted fact.

FEEDING SHOW STEERS AT THE STATE AGRICULTURAL COLLEGE.

The steers fed and exhibited by the Kansas State Agricultural College at the leading shows of the United States last fall gives conclusive evidence that high class cattle can be produced in Kansas under natural conditions.

King Ellsworth, a pure bred Angus steer, owned and exhibited by the college, closed the season by being made grand champion of the Tenth International Live Stock Exposition at Chicago, which virtually means that he was considered, by an English judge, the best steer in the United States, with Symboleer, another Angus owned

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

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

KANSAS FARMER COMPANY,
Topeka, Kansas.

by the college, a close second. The feeding of King Ellsworth was nothing extraordinary, as at no time did he receive anything but good wholesome feed, such as produced on every Kansas farm, and kind treatment and protection against any undue disturbance, such as all stockmen should offer, and reasonably comfortable quarters. For roughage, he received good alfalfa hay, and his grain consisted of cornmeal, oil meal and bran. During the winter he was kept in a lot with the other show steers in the day time, where they were given some corn fodder to pick at, and they were put into a fairly comfortable shed at night. During the summer the steers were turned on blue grass a few hours each day until the flies got bad, when they were turned on pasture at night and kept in the stable in the daytime. All of the steers were used for practice stock judging whenever needed. Plenty of exercise was given the steers the entire year. The official weight of King Ellsworth was 1,750 pounds. He was a steer of strong constitution, very symmetrical, firmly and evenly fleshed, active on his feet and of a kind disposition all of which aided in bringing him up to his high degree of finish. In fact his perfect conformation and finish were so smooth and neat the popular sentiment was opposed to dressing him for beef immediately.

He was sold to a market company at Hartford, Conn., for approximately \$400.

FOR PURE INSECTICIDES.

Every farmer, fruit grower and trucker is interested in the bill now before congress providing for the control of the purity of insecticides and fungicides, so far as they enter interstate commerce by the U. S. Department of Agriculture. The general scope and purpose of this bill have been previously explained in these columns. The measure has the endorsement of all the leading national organizations representing the farmers such as the National Grange, the National Apple Growers' Congress, the National Horticultural Congress, the American Pomological Society, the Association of Economic Entomologists, etc., and also has the hearty endorsement and support of practically all the manufacturers. The use of insecticides and fungicides has increased so rapidly in the last few years that the manufacturers realize that it is of the utmost importance that standards be adopted so that the use of the manufactured products may be on an equitable and scientific basis. It is often impossible for the reputable manufacturer to compete with one who is selling inferior goods at a slightly lower price. This sort of business is

injurious both to the legitimate manufacturer and consumer.

The question has been raised whether this sort of control should not devolve upon the states, and whether it would not be an infringement of the powers of the states for Congress to enact such legislation. An increasingly large proportion of the insecticide and fungicide business, however, is direct from the manufacturer to the consumer, or to a cooperative association of buyers. This business, which is a very large proportion of the whole, in which the manufacturer ships in original packages or cargoes direct to the consumer is strictly interstate and is beyond the police powers of the state. The control of such interstate commerce is entirely subject to national laws and administration.

There is a very general appreciation of the need of such control due to many a low grade and some evidently fraudulent insecticides and fungicides, so that no further argument for the passage of the measure would seem to be necessary. The measure is one of those many meritorious ones, which come before Congress, whose passage will depend largely upon whether Congress feels that there is any real need or popular demand for it.

We therefore urge upon any of our readers who are personally interested in this matter, or who have suffered from the impurity of adulteration of insecticides or fungicides to at once write to Hon. Jas. R. Mann, Chairman of the Committee on Interstate Commerce Washington, D. C., and to their own congressman, in favor of H. R. 3658. A public hearing will be given the measure on March 8, and interested parties should let their congressman hear from them before that date.

THE FARMERS BUY AUTOMOBILES.

Last week there was in Chicago a great automobile show. This show was so large that it took two big buildings to house it. Two significant facts were developed. The first was that the show was made up of a larger number of exhibits by a larger number of exhibitors than any ever held in this city before, and the second and more significant fact was that the farmers and not the city people were the buyers. Another fact that was noticed by the exhibitors was that the farmers were present on the opening day of the show and were ready to buy and pay cash for the machines they wanted. The time is not very far back when the farmers at such shows were the spectators and the city people the buyers, if there were any buyers. At this show, however, the manufacturers state that they sold more machines than at any previous one and that the city people were the onlookers.

It has been stated recently that there are more than 5,000 automobiles now owned by Kansas farmers, and it was predicted by one of them at the recent show that it will not be long until an automobile is owned on practically every farm in the country. The manufacturers are recognizing the value of the farm trade and are doing all they can to cultivate it by turning out a medium priced car of high quality that is especially adapted to the farmers' use, and by laying out their various tours in the corn belt states.

It is no longer a matter of ostentation or pride of wealth for the farmer to own an automobile but in very many cases is a matter of real economy. The average American is said to be a composite of all the races on earth with their good qualities preserved. Among these he has preserved and developed a wonderful mechanical faculty and it is doubtful if there is a farm in the state on which some member of the family is not capable of driving a car.

Aside from the pleasure derived from riding in an automobile which has a real money value in that it relieves the monotony of work whether on the farm or in the store, the automobile has a fixed place in the economy of the present day. As a means of rapid transit between the farm home and the town it can not be excelled, while it has the decided advantage of enabling the farmer or one of

his family to make a necessary trip without disturbing the farm teams at their work. In going for the doctor or on other emergency calls or in making distant trips, the automobile far exceeds in value the horse, though without disturbing his usefulness. Increased demand and competition has served to reduce the price for that very many people can now afford to use automobiles while very many others can not afford to do without them. It is only a few years ago when the rural telephone and the rural free delivery were looked upon as luxuries, just as the automobile is now, but the time will come shortly when the latter will be a necessity.

MOVABLE SCHOOLS FROM THE KANSAS AGRICULTURAL COLLEGE.

In accordance with the extension plans of the Kansas State Agricultural College, movable schools in cooking and sewing, dairying, corn and stock judging, and gardening are now being offered to the people of Kansas through the extension department of the college.

The work of these schools is to be carried on under the direction of a college instructor, who will be assisted by one or two graduate students of the college who show special fitness in the line of work being offered by the school. This takes college instruction into the communities where enough interest is shown to warrant the establishment of one of these schools.

For three months, beginning March 1, these schools will be available. Applications are now being received from various institutes over the state and the movement will doubtless prove popular. The local institute makes and pays for all local arrangements, while the college pays the traveling expenses of the instructors.

The school of cooking and sewing will be conducted by Miss Frances L. Brown of the Extension Department. The period of instruction is one week. From 9 a. m. to 12 m. each day the time will be spent in lessons in cookery. The first course will be divided so that the first day will be spent in the cooking of vegetables, the second day will be taken up with meats, the third day left-overs, etc., each day providing a different phase of the culinary art. The sewing class will spend each day from 1 to 3 p. m. in studying and practicing mending, cutting, pattern-making, etc. From 3 to 4 p. m. the doors will be open to the ladies of the vicinity, as well as class members, for conferences.

The size of the class is limited to 25 and not less than 15 girls above the age of 14. Each member is charged an enrollment fee of one dollar, which goes to the local institute committee to meet local expenses. In this school the committee must provide the room, ranges, cooking utensils, fuel, etc., and also the sewing machines. The only charge made by the college is for the entertainment of the instructors for the week.

Another school is offered in dairy work. This will be conducted by Assistant C. H. Hinman of the Extension Department. It will hold sessions of three days each from 9 a. m. to 4 p. m. The course will thoroughly demonstrate the handling of cream separators, hand churns, butter-making, installation of a testing record, and the Babcock test. Drills will also be given in judging dairy cows. Lectures will be given on plans for silos, dairy stables and rooms, and the feeding of dairy cows. This course of instruction is open to members of both sexes above fifteen years of age. The local committee must supply the machinery, milk and cream. A fee of one dollar is charged for enrollment to meet the local expenses.

The schools in corn and stock judging will be conducted by Assistants P. E. Crabtree and G. C. Wheeler of the Extension Department. The period of instruction is three days, from 9 a. m. to 4 p. m. This school admits none under the age of fifteen years and the usual fee of one dollar is charged by the local committee. The stock judging class will divide its time equally in judging horses, cattle and hogs.

There will be a course in horticulture under the direction of Assistant C. V. Holsinger of the Extension Department.

L. M. PENWELL

Funeral Director and Licensed Embalmer,
511 QUINCY, TOPEKA, KAN.

partment, organized in a similar manner.

By means of these schools the college hopes to give an insight into the field of scientific learning, and to not only educate, but to give the young people of the state a thirst for a broader knowledge of the best in agriculture and home economics. This is a practical plan of carrying the Agricultural College out to the people—the next step after the farmers' institutes.

Memorial for Col. Harris.

Editor Kansas Farmer:—At the January meeting of the Kansas Improved Live Stock Breeders' Association a resolution was passed directing a committee of three, J. F. True, G. G. Burton, and E. W. Melville, retiring president of the association, to procure an acre of land at Linwood, the former home of the late Senator W. A. Harris, and also the home of the once celebrated Linwood herd of Short-horns, as a site for the erection of a memorial (something modest was contemplated) for the late Senator.

The committee brought the matter to the attention of the people of the late Senator's home city, Lawrence. Senator Harris' old friends seemed much pleased that such a movement had been started. The committee is quite sure they will respond liberally.

The chairman of the committee also laid the matter before A. H. Sanders, editor of the Breeder's Gazette, of Chicago, who was known to be a very close friend of the late Senator. Mr. Sanders hastened to respond with a subscription of \$100 to this proposed fund, and an offer to use his influence and the columns of his paper to present the matter to the breeders of America and solicit their cooperation.

Also A. G. Leonard, the manager of the Chicago Union Stock Yards, made a subscription of \$100 for the erection of the proposed memorial. Governor Stubbs gave a like amount, and there will be several more in the \$100 class.

As the fund will be ample there will no doubt be a monument worthy of the man whose memory we delight to honor erected at his grave in the beautiful cemetery at Lawrence instead of at Linwood, as first contemplated. That some modest marker or memorial, as first contemplated, will be set up in the pastures at Linwood is being considered.

Hon. F. D. Coburn, secretary of the State Board of Agriculture, has consented to serve as treasurer of the Memorial fund.

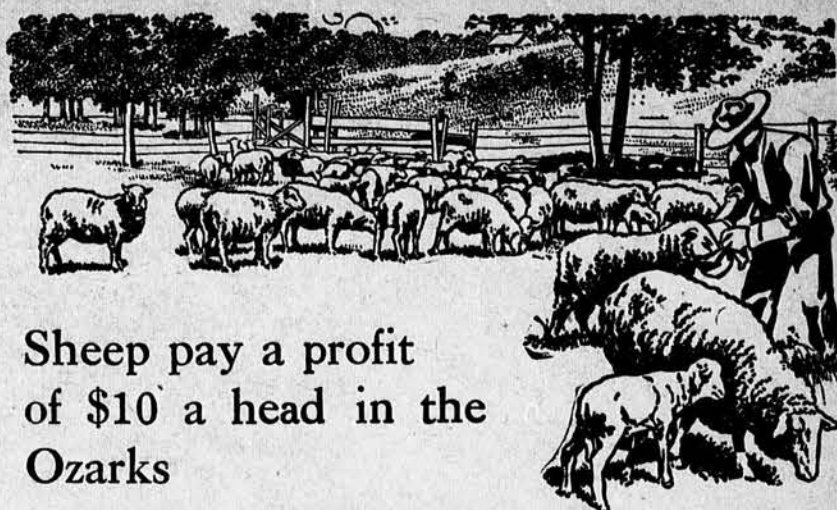
By the direction of the committee, the treasurer will keep this fund intact, to be expended for the purpose for which it is contributed under the direction of a committee chosen by the donors. Their votes in selecting this committee to be proportionate to their contributions. The treasurer's receipt for all funds contributed will contain the above guarantee for safeguarding the fund.

It is a well-known fact that Mr. Coburn is not in the habit of taking on this kind of outside work but this is purely a work of love for the man we all delight to honor.—J. F. True, Chairman of the Committee.

A New State Forester.

Mr. Charles A. Scott, who graduated from the Kansas Agricultural College in 1901 and since that time has spent 7 years in the government forestry service, was elected State Forester for Kansas by the Board of Regents at its last meeting. Prof. Scott comes to his Alma Mater from the Iowa Agricultural College where he has been in charge of forestry work for the past 2 years.

Prof. Albert Dickens of the Horticultural department of the Kansas College has been acting State Forester since the legislature created that office a year ago and appropriated \$18,000 for its use in the biennial period. Prof. Dickens has organized the department and has its work well under way but the duties of his own department demand and should receive all of his time and his department will be relieved by this appointment. Mr. Scott was born and raised in Pottawatomie county and knows the needs of Kansas thoroughly. Among his recommendations for his present position was one from Gifford Pinchot who was then Chief Forester of the U. S. Department of Agriculture.



Sheep pay a profit of \$10 a head in the Ozarks

A good ewe will give seven pounds of wool worth 25c to 30c a pound—a lamb worth \$5 and fertilizer worth \$3—a clear profit of \$10 a year.

Sheep pay their board as scavengers on a farm by eating the noxious grasses and weeds, and should be an important part of the equipment of any farm in the Ozarks.

Sheep are healthy, free from grubs, stomach worms, and foot rot, in the Ozarks. The high rolling, well drained lands, numerous streams of cool clear water, and abundance of native grasses make sheep raising in the Ozarks sure and profitable.

Thousands of acres of the best sheep lands, covered with grasses and shrubs, just the feed that sheep thrive best on, are idle in the

Ozarks, only waiting development. Good land can be bought for as little as \$5 an acre, up to \$25.

The soil in the Ozarks will produce to perfection a line of crops best suited to sheep. Two crops of sorghum, stock peas, soy and velvet beans can be grown each season and harvested in ample time to sow the land to winter pasture, thus providing three crops a year.

Intensive farming in the Ozarks can easily be made to yield \$100 an acre clear profit, by utilizing all the sources of revenue available on an Ozark farm.

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

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



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

ALEX. HILTON, General Passenger Agent, 1510 Frisco Building., St. Louis



THE HOT SPRINGS OF ARKANSAS

More than a mountain resort, more than a fashionable playground—these wonderful springs, with their mysterious health-giving waters, have become world famous as

NATURE'S GREATEST SANITARIUM

set apart by the United States government for the benefit of humanity. Where modern medical science joins hands with the wonderful curative agencies of nature—a retreat for the careworn or suffering in the great, beautiful outdoors.

Water is the greatest eliminator of human ills and the Hot Springs of Arkansas are the greatest waters known to mankind.

Patronized every year by more than 150,000 people from every part of the world the recuperating station of our army and navy, the training ground of the world's greatest athletes, the assembling place of statesmen and the rendezvous of society.

There is no Substitute for the Hot Springs Baths.

The marvelous cures cannot be exaggerated. No one can afford to deprive himself of the quiet rest, the exhilarating joy and the wonderful toning-up that comes from a course of these baths, coupled with the rehabilitating influences of the mountain ozone and woodland landscape. Luxurious hotels, medium-priced hotels and high class boarding houses with every modern convenience.

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by the

**MISSOURI PACIFIC
IRON MOUNTAIN**

Let us tell you more about it and help you plan your trip.
For train time and railroad rates, address



Kansas Farmer Ads Bring Results.



He Was Doped

An honest man bought him at a sale—but he died on the road home.

"Horse Secrets"

by Dr. A. S. Alexander—famous veterinarian—reveals for the first time the tricky dodges of "Gypsies" and dishonest horse dealers to sell and trade horses; tells in easy, simple language how to detect, instantly, when a horse has been "doped" and tampered with. Facts that protect every man who buys, trades and sells horses. No horseman is safe who does not know them.

This splendid work is offered in connection with

Farm Journal

The only way to get this book is to subscribe for the Farm Journal, the "little" farm paper that every month brings you 24 to 30 pages of intensely practical agricultural information boiled down into the least space of any farm paper published. It enables the farmer to make more profit, upholds the interests of the country's wealth producers and is a home builder and home preserver. Every department is edited by an authority and everything is put in a nutshell, with enough fun and wit here and there to spice it well. 700,000 people love it and so will you if you subscribe. Not instead of your other papers but in addition to them—on this offer:

"Horse Secrets" and The Farm Journal for 2 years, both for **50c.**

FARM JOURNAL 1924 Race Street, Philadelphia, Pa.

Paint Without Oil

Remarkable Discovery That Cuts Down the Cost of Paint Seventy-Five Per Cent.

A Free Trial Package Is Mailed to Everyone Who Writes.

A. L. Rice, a prominent manufacturer of Adams, N. Y., has discovered a process of making a new kind of paint without the use of oil. He calls it Powderpaint. It comes in the form of a dry powder and all that is required, is cold water to make a paint weather proof, fire proof and as durable as oil paint. It adheres to any surface, wood, stone or brick, spreads and looks like oil paint and costs about one-fourth as much.

Write to Mr. A. L. Rice, Manufacturer, 28 North St., Adams, N. Y., and he will send you a free trial package, also color card and full information showing you how you can save a good many dollars. Write to-day.

Harrow While You Plow

—and get 50 per cent better crops at half the cost. The Racine Rotary Harrow Attachment follows the furrow and cuts, packs and smooths the soil, making perfect seed-bed. Illustrated booklet—sent free—tells all facts about this big labor-saver. Write today.

RACINE ECONOMY SPRING CO.
332 Wisconsin Street
RACINE, WIS.

Steel Wind Mills..... **\$12.75**
Iron Pumps..... **1.80**
Galvanized Steel Stock Tanks..... **2.70**

Direct from factory to users only.
CATALOGS FREE.
THE OTTAWA MFG. CO.
King St., Ottawa, Kans.

THIS IS B. F. SMITH, the old, veteran berryman of Kansas. If you want berry plants write for 1910 price list. B. F. Smith, 1847 Barker Ave., Lawrence, Kan.

CATALPA SPECIOSA.

Special low prices on Catalpa Speciosa, Concord Grapes and Kieffer Pears. Write for descriptive catalog.

KANSAS CITY NURSERIES,
417 Reliance Bldg., Kansas City, Mo.

ABILENE NURSERIES

W. T. Gough & Co., Abilene, Kan.

Write for catalog and price list before placing your order. We have the stock that bears fruit, also all kinds of ornamental trees, Forest Trees, Shrubs, Roses and Vines. Special attention given mail orders.

Malt Coffee

Malted from choicest Montana Barley, shipped in strong air tight drums at

6c per lb.

Samples and circulars free.

MILWAUKEE IMPORTING CO.,

506 37th St., Milwaukee, Wis.

Clearance Sale

of the famous Ziegler corn harvester. Man and horse does work equal to corn-binder. Regular price \$15.00; factory clearance sale price, \$10.00; illustrated literature free, showing machine at work.

Ziegler Mfg. Co., Salina, Kan.

GOPHERS Benken's Sure Catch Pocket Gopher Trap, only \$1.00 prepaid. Write for circular, it's free. A. F. Benken Trap Co., Kramar, Neb.

LIVE STOCK



A patch of Essex rape sown in the spring will prove a mighty good investment for the pigs along in the hot summer when the grass toughens up and the pigs need something green and succulent. Try it once.

Let the young pigs eat with their dams as soon as they will. Then gradually increase the grain ration and keep their development at a high standard. In doing this it is necessary to have an alfalfa pasture for them. Alfalfa pigs are the best pigs either for breeding or for market purposes.

An exchange says that when the curl in a pig's tail begins to straighten out it is a sure indication of disease. This may be so or it may not. It probably is an indication of a relaxed condition in the system and indicates that a change of feed is necessary.

How long is a brood sow profitable to keep is a question that is asked frequently. So far as known there is no way of answering this definitely in years and months. As long as a sow remains vigorous she is worth keeping and it will be found that old sows are better mothers and raise their litters more carefully than do young ones.

A big pasture is a great help in pig raising. Alfalfa pasture is the best but any grass pasture is good. It is even better to allow hogs to run in the weeds, if there are such things on your farm, than to keep them penned up in a close, dry lot. Where young pigs can not be given the range of a pasture it is an excellent idea to throw in some green sod for them from time to time if they are kept in a dry-close lot.

The cream separator has proved its value to the dairy farmer and its place on his farm is secure. It has also proved its value to the general farmer who milks cows as a side line and he would not part with it. Did you ever think of the value of a cream separator to the pigs. On the farm where a few cows are milked the value of the separator is greater for pigs than it is for the farmer's cream account. It enables the owner to feed his pigs warm, sweet milk and thus develop them to selling size and age in the shortest possible time. If the separator is profitable for the farm dairy, the greater profits made through the pig pen are just so much velvet.

In Kansas the hog finds his favored zone—his El Dorado—and here he always makes both ends meet. There is probably no other territory of the same area where the conditions are more congenial to the hog's wholesome development, and he is nowhere found so developed except among and by a high order of people. High-class swine are unknown and impossible among a low-class people. The Kansas hog, typifying the good, the true, and the beautiful, is a joy even to the Hebrew. His one passport, everywhere demanded and always sufficient for entree to presidents, potentates, or peasant, is—"Kansas" on the hind.—F. D. Coburn.

It has been a long accepted but seldom practiced doctrine that no farmer should buy anything to feed his domestic animals. In other words he should raise all that he feeds and should feed all he raises, thus sending his crop to the market on the hoof. In balancing up rations it is frequently desirable to have more concentrated feeds than are found in the ordinary farm crops. Corn and alfalfa alone make the cheapest and approximately the best balanced ration that can be made from the ordinary farm crops but it is found that the use of concentrates will frequently hasten results. For this purpose nothing has been found better than soy beans. Their protein content is not so high as tankage but it is high enough to produce quick results. It is suggested that the field sown to soy beans be allowed to mature and the hogs turned into it. If given plenty of pure water and a little corn they will do the rest.

Robison's Good Percheron Sale.

On Tuesday, Feb. 15, J. C. Robison of Whitewater Falls Stock Farm, Towanda, Kan., held his tenth annual sale of Percheron horses at the fair grounds in Wichita. The sale was an excellent one and the prices good. Many states were represented and, though most of the horses were young, the demand was strong. Twenty-five mares sold for \$11,550. Twenty-nine stallions brought \$21,195, while the 54 head brought \$32,745, or a general average of \$606.40. The sale will be reported in full in our next issue, as space does not permit it this week.

Good Reliable Men

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

The Kansas Improved Stock Breeders' Association.

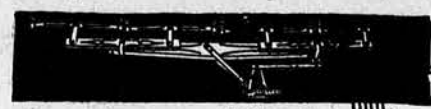
Few state associations have been of greater direct value to their states or to the individual members than has the Kansas Improved Stock Breeders' Association.

At the time of its foundation, 21 years ago, the farmers and breeders of Kansas had been trying to mutually advance their interests by the maintenance of a number of special breed associations but these had failed, as they were bound to do, and as they are now doing in other states where the interest is scattered.

With the organization of this great association there came a community of interest, a union of effort and success. The members are all pushing for one great goal and their success has not only made of it the largest and most active association of its kind in the world but has placed Kansas well up in the front rank of pure bred stock producing states. Kansas has won many prizes in the great stock shows of the middle west and last fall beat all records in carrying off both the world's grand championship and reserve grand championship in the International. While this splendid result may not have been due directly to the work of this association the fact remains that these prizes were won by a member and none can deny that the association has helped to make the conditions under which such results were possible.

Hereafter the association will publish its report annually instead of biennially and in connection with the report will be printed a list of all of the members, their post office addresses and the stock they breed. Such a list is invaluable to the breeder as it gives him the names of the most progressive breeders and farmers in the state with whom he does business.

The report for 1910 will soon be ready for the press and every farmer who would better his live stock and increase his profits; every breeder who is awake to his own best interests and especially every young man who would start right and keep right in the live stock business should become a member and have his name and breed appear in the report and directory. Reports for 1909 will be sent free to all who become members at once. Address I. D. Graham, secretary Improved Stock Breeders' Association, 625 Jackson St., Topeka, Kan.



Heider Eveners

A Great Invention
Made for 2, 3, 4, 5 or 6 horses. The HEIDER 4-horse Flow Evener works four horses abreast on gang, sulky or disc plow. Works free, no side draft, all horses pull equal. We make clevises to attach our Eveners to all plows. HEIDER 3-horse Wagon Evener for wagon, manure spreader, grain drill or any other implement with pole. GO TO OUR DEALER, if he can't supply you don't accept any other. Write us for catalog and we will tell you where to get them. We also make Wagon Doubletrees, Singletrees, Neck Yokes, etc. Insist on getting HEIDER'S if you want the best in EVENERS.

HEIDER MFG. CO.
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CARROLL - IOWA

ASK YOUR DEALER

\$1000.00 IN PRIZES

To be Given Away, Contest FREE and open to everybody. Help the "100,000 Club" and earn big reward. Write today for particulars. Contest conducted by The Fruit-Grower, St. Joseph, Mo. Box 128.

First Prize \$500 Auto
Brush Runabout shown above
Second Prize \$100 in Cash
Ten Other Prizes Ranging from \$75.00 to \$25.00 Each

The Fruit-Grower is the world's leading fruit and farm magazine, January Special Spraying Number; February Gardening Number; either issue worth a dollar—sample free. The "100,000 Club" is a National Organization to benefit fruit growers in a practical way. Everyone will want to join. Send coupon today, get busy and earn a prize.

The Fruit-Grower, Box 128, St. Joseph, Mo.

Tell me how I can earn the Auto or Big Cash Prizes.

Name.....

Town..... State.....

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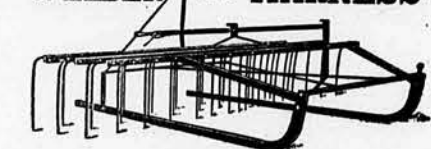
Every farmer knows the importance of proper potato planting. Here's a machine that does it perfectly. Has none of the faults common with common planters. Opens the furrow perfectly, drops the seed correctly, covers it uniformly, and best of all never bruises or punctures the seed. Send a postal for our free book.

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Crush ear corn (with or without shucks) and grind all kinds of small grain, and feed hay. Use Conical Shape Grinders. Different from all others.

LIGHTEST RUNNING.

(Our Circular Tells Why.)
Handy to Operate. 8 Sizes—2 to 25 h. p. One size for wind-wheel use.

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

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\$10.00 Sweep Feed | \$14.00 Galvanized
Grinder. We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.

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Seventh St., Topeka, Kansas

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FOR SALE—640 ACRES, FARMING, cheap; fine investment. Owner, Tillotson, Sealy, Texas.

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

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FULL DESCRIPTION OF DELAWARE farms; healthful climate; best bargains. Write for free 1910 catalog. Chas. M. Hammond, Milford, Del.

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

EIGHTY ACRES OF EXCELLENT HIGH smooth land, seven miles south-west from Drexel, Mo., in Miami Co., Kan., \$3,750.00. J. D. Riggs, 162 N. Pine Ave., Chicago, Illinois.

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MUST BE TAKEN QUICK—A FINE 160 acre farm adjoining small town to exchange for \$5000 or \$6000 stock of hardware or Gen. Mdse. Owner write me. C. A. Woods, Devon, Kan.

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MAMMOTH BRONZE TURKEYS—PURE selected stock. Satisfaction guaranteed. L. M. Jamison, Sterling, Kansas.

COCKERELS—WHITE WYANDOTTES, 50 cents each. Mrs. E. S. Louk, Michigan Valley, Kansas.

SILVER WYANDOTTE COCKERELS from prize winners, cheap. Mrs. J. W. Gause, Emporia, Kan.

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

THOROUGHbred S. C. BUFF ORPING- ton eggs for setting. C. C. Baker, Lathrop, Mo.

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

FOR SALE—CHOICE PURE BRED Barred F. Rock cockerels. M. E. Lindley, R. 4, El Dorado, Kan.

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

CHOICE LIGHT BRAHMA ALSO RHODE Island Red cockerels \$2.00 each. Eggs in season. Mrs. J. E. Dyer, Sedan, Kan.

EXTRA LARGE MAMMOTH BRONZE turkeys, Barred P. Rocks, Rose Combed Turkeys. L. R. Wiley, Elmdale, Kan.

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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.

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

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

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CHOICE BUFF ROCK COCKERELS FOR sale. W. W. Hamilton, Nickerson, Kan.

SINGLE COMB BROWN LEGHORN eggs for hatching. From prize winning, sure hatching, free range stock, \$1.50 per setting, \$5.00 per hundred. A. G. Nelson, R. 5, Chanute, Kan.

WANTED—GOOD HATCHABLE EGGS in quantity; can use your entire output from pure bred stock (different varieties) from January to October. Why bother with small orders when we will take all as fast as the hens lay? For Sale: Baby chicks (different varieties) any quantity, any season, full count and live delivery guaranteed. Custom hatching and brooding. Eggs for hatching. Our egg contract circular and catalog for the asking. P. C. Fish Poultry Yard and Hatchery, 4384 Bellevue, Both Phones, Kansas City, Mo.

HORSES AND MULES.

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

FOR SALE—ONE REGISTERED, IM- ported, black Percheron stallion, two jacks and 5 jennets. F. L. McCoy, Eakridge, Kan.

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

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WANTED—A BLACK, REGISTERED Percheron Stallion, weighing a ton, between 8 and 12 years old. Guaranteed a breeder, broke to harness. E. N. Stiles, Hope, Kan.

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FOR SALE—DOUBLE STANDARD FOL- led Durham cattle, either sex. Emoch Lunger, Oage City, Kan.

FOR SALE—ONE CHOICE HOLSTEIN- Friesian bull calf of fancy breeding. G. V. Pontious, Rantoul, Kan.

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

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

FOR SALE—TWO SHORTHORN BULLS, one red September yearling, sire Barmpton Knight, out of a Gallant Knight cow. One roan pure Scotch bull, fall yearling. Sire Lord Bauff 2nd, out of Red Lady 5th, a pure Scotch cow. Harry H. Holmes, Great Bend, Kan.

ALYFDEALE SHORTHORNS—HERD headed by the magnificent Scotch bull Archer Victor No. 292012 for sale now at bargain prices, the following (red) bulls: Chief Burnett No. 311843, dropped December 18, 1908; Santa Claus No. 311849, dropped December 25, 1908. Also some fine young females, all richly bred. Call or write Chas. W. Merriam, Columbian Bldg., Topeka, Kan.

SEEDS AND PLANTS.

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FOR SALE—200 RED CEDARS 6 TO 18 inches high, low prices. Andrew Sodergren, Garrison, Kan.

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

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

ALFALFA SEED \$11 PER BU. F. O. B. Sharon, Kan., Barber Co. Reclaimed. Will send sample 1909 crop. N. Housinger, Sharon, Kan.

SEED OATS FOR SALE—RED RUST Proof Oats reseeded and graded. Sample and price sent on request. Warren Watts, Clay Center, Kan.

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

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

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

FOR SALE—BEARDESS BARLEY— Reclaimed and sacked f. o. b. cars at Manhattan, \$1 per bu. Also genuine Red River Early Ohio potatoes in our lots direct from Minnesota, write for prices on potatoes. A. F. Huse, Manhattan, Kan.

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

MISCELLANEOUS.

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

FOR SALE CHEAP, 450 BBL. 2 INCH cypress tank, complete. Write John T. Moss, First National Bank, St. Marys, Kan.

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

ARTISTIC STENCIL DESIGNS AND BIG money, earned with the newest invention we offer. Send 10c for particulars. Stencil Art Co., Baltimore, Md.

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

TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians attested. Great discovery. Send your address at once King-Ni-Ko 7, Wichita, Kan.

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

PIPE SMOKERS WILD OVER NEW vest pocket invention. Cleans pipe stem instantly. Don't use dirty straw. Metal lasts forever. Send 2 dimes for sample. Adlam, 1523 Clybourn Ave., Chicago, Ill.

FOR SALE—HAVING SOLD MY FRUIT farm I now offer my Ideal Dust Sprayer, run by two and a half horse power gasoline engine. For price and full particulars address Wm. Booth, Winchester, Kan.

LAWYERS.

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

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

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

We would call your attention to an advertisement of "Martin's store" which appeared in our February 5 issue on page 43. This reliable house is making a specialty of Paris and New York spring style women's apparel. This concern is issuing a very interesting catalog, No. 18, which will be sent to any interested inquirer. Write Martin's, Brooklyn, N. Y.

The Pagett & Sollenbarger Duroc Sale. The largest number of breeders that has been out to attend a sale in northern Kansas in two years attended the combination sale of Duroc Jersey bred sows held at Beloit, Kan., Tuesday, Feb. 1. The sale had been well advertised and the reputation of the two herds and the men back of them coupled with the demand among the breeders for choice bred sows was responsible for the large attendance. The offering was attractive and favorably received by the breeders and farmers alike but owing to the very unfavorable conditions of the roads the farmers did not get out as they always do in Mitchell county to sales of this nature. The average of a little over \$37 on 45 head was not as good as was expected but Mr. Pagett and Mr. Sollenbarger were well enough satisfied with it. The top of the sale was number 16 which was a very fine fall yearling sow sired by Pearl's Golden Rule and bred to Bonney K. Following are some of the principal buyers:

1—J. W. Hadler, Beloit, \$11.00
2—Elmer Greelan, Asherville, Kan., 50.00
3—Thompson Bros., Garrison, Kan., 55.00
4—Miner & Cross, Guide Rock, Neb., 49.00
5—C. H. Brown, Beloit, Kan., 32.00
6—Chas. Reich, Glen Elder, Kan., 34.00
7—Elmer Greelan, Asherville, Kan., 36.00
8—W. E. Monesmith, Formosa, Kan., 40.00
9—Morris Shane, Beloit, Kan., 33.00
10—Elmer Greelan, Asherville, Kan., 40.00
11—Morris Shane, 40.00
12—Jake Heppery, Glen Elder, Kan., 44.00
13—Miner & Cross, Guide Rock, Neb., 44.00
14—Thompson Bros., Garrison, Kan., 39.00
15—Frank Leach, Quinter, Kan., 40.00
16—Rinehart & Slagle, Smith Center, Kan., 75.00
17—Geo. M. Hammond, Manhattan, Kan., 55.00
18—Chas. Reich, Glen Elder, Kan., 49.00
19—Morris Shane, 32.00
20—Solon Steer, Asherville, Kan., 55.00
21—Chas. Reich, 42.50
22—Sam Coy, Beloit, Kan., 35.00
23—Chas. Reich, 35.00
24—W. E. Monesmith, 36.00
25—T. P. Teagarden, Wayne, Kan., 32.50
26—Sam Coy, 27.50
27—John Stiglick, Cawker City, Kan., 30.00
28—Sam Coy, 31.00
29—E. M. Myers, Burr Oak, Kan., 40.00
30—D. O. Bancroft, Downs, Kan., 37.00
31—Rinehart & Slagle, 40.00
32—Chas. Reich, 37.00
33—Solon Steer, 32.00
34—Morris Shane, Beloit, Kan., 28.00

CAN GIVE IMMEDIATE POSSESSION. Of 120 acres 4 miles out, 7 miles to county seat, good roads; 75 a. in cult., 45 a. pasture, 2 a. alfalfa, some orchard, land lies fine, 2 a. hog tight, good well, windmill and tank, pond in pasture; 1 1/2 story frame house 16x24, barn for 8 head, cow barn, hen house, granary, etc.; 30 a. wheat, 1-3 goes to purchaser. This farm can all be put in cultivation except about 10 acres; good soil, fine location, on R. F. D. and telephone. A bargain at \$46 per acre. Terms on part. Get our list. Shepard & Hoskins, Bennington, Kan.

LISTEN

One of the finest laying upland, gr. sec farms, in eastern Kan., near Topeka. Good imp., wrth \$100 per a. Owner a non-resident and says sell at \$65, half cash, 5 yrs. on bal. at 6 per cent.

J. E. THOMPSON,
The Farmer's Land Man
Topeka, Kan.

DAIRY



Don't Feed Butter to Hogs.

Some are still using the Cooley system for obtaining the cream. There is nothing wrong in this method except that for any one having a good-sized herd it is too expensive. Too much butter-fat is left in the skim-milk. Careful as you may be you are bound to leave an average of .2 per cent fat, while a good separator will not leave over .02 per cent.

Prof. Campbell of the Maine Station says that he has tested skim-milk for those who thought that they were drawing it close when we found .4 to 5 per cent fat in the skim-milk. You can easily reckon what this means in dollars and cents. With a herd of a dozen or 15 cows the loss would nearly pay for a separator in one or two seasons. The reply to this is that it is not a loss, that the skim-milk is fed and thus it is saved. Butter-fat is worth 33 to 40 cents per pound, and it would seem to be rather an expensive food when the same food value can be obtained for much less.

Extravagance of Poor Cows.

A sort of milk convention was gathered in St. Louis recently at which there appeared parties interested in milk production, in creameries, in city distribution, transportation, etc. It is reported that all agreed to cooperate in the work of inducing the Missouri farmer living within a radius of 150 miles of St. Louis to milk more cows and send the milk to St. Louis.

It is true that we need more cows, but we very much worse need better cows. Just as long as breeders and dairymen do not cull out their herds and keep herds of profitable cows, it is poor advice to tell them to keep more cows. Now, the dairymen should not be expected to milk five cows, three at a loss to himself and two at a profit, just in order that people in St. Louis would be enabled to buy milk that much cheaper. Dairymen should not be told that they ought to keep more cows because the people in the city were running short of milk. They should be told to keep only their profitable cows and dispose of those that are losing money.

The fact of the case is in the territory adjacent to St. Louis it is very questionable if a majority of the herds of dairy cows are not really losing their owners money. Hay, corn, oats, etc., are very high in price and the freight to market is low. A cow will probably eat \$25 worth of hay and \$30 worth of grain (St. Louis prices) in a year besides pasture, \$5, making a total of about \$60. It is usually figured that the calf and manure pay for taking care of the cow, but here the calf is worth less than nothing from the fact that it costs more to produce veal than the farmer gets for it after he has it ready for the market. If manure was handled in the very best manner known it would be hard to say it would pay for taking care of the cow, but when handled as is customary around here, i. e., piled in the open all winter and the liquid manure not saved at all, I am sure it does not nearly pay for keep of the cow, writes A. E. Ennis, of St. Louis in the Ruralist.

Now, on the average, dairymen get 16 cents per gallon for milk in win-

ter and 12 cents in summer, or an average of 14 cents. The average is really less than that because much more milk is produced during the 12-cent period than during the 16-cent, so that I should say the average will not exceed 13 cents the year round. The express or freight rate will run from 1 cent to 3 cents per gallon, and let us say averages 2 cents. This makes the farmer net 11 cents for his milk. The ordinary herds will not average 1-2 gallons per cow per day, making say 16 of 17 cents income from each cow, making \$59 to \$62 for the year. Now surely you are not befriending a man when you advise him to keep more of this kind of cows to sell their product at that kind of price.

I believe in the dairy business and I know there is profit in it, but at the present time really unprofitable cows are being sold at good prices when the purchasers cannot possibly make ends meet on them. I venture to say that out of several thousand herds shipping milk to St. Louis there are not 100 really good herds in the lot and of these I believe not half actually weighing and testing their milk.

This article is not intended to be pessimistic, but it is possible to go at even a good thing in a way that is not just, and that will not get proper results.

Another thing; when you ship to St. Louis you will lose cans to the extent of from \$2 to \$6 a month; you will have reported shortages of milk that you can never account for because you know you fill your cans full; you will also find that the test for butter-fat is from 1/2 to 1 per cent less than you test it or than the city chemist's test will show if sample is sent to him. In fact, the city chemist refuses to test milk for shippers.

At this meeting City Chemist Dr. Bucklin declared that the glowing accounts of the joys and profits of the dairy business bodied ill for the ambition of the Million Population Club because he thought people would at once start for the country from St. Louis to go into the dairy business. Optimism is all right but we ought not to cease to be practical. The practical side of dairying for the St. Louis markets is that it is hard work steady, and that with ordinary cows there is very little profit in it if any over and above what the crop could be sold for. To make dairying profitable the very best of cows must be selected and kept, and must be handled in a careful manner, and the best of results secured from them.

At this convention several representatives of express companies and railroads hauling milk into St. Louis refused to make any flat statement but said, "You ship the milk and we will show you what we will do for you." What they meant was: "You ship the milk and we will show you what we will do to you." And this is certainly and sadly true. The idea of a man having to pay more than 10 per cent of the value of a commercial article to get it hauled 30 miles!

Another trouble of the dairymen shipping to St. Louis in summer is his cans of sour milk for which he is paid nothing. You say he ought to handle it so it will not be sour, but in many cases it is very hard to sufficiently cool the milk without ice, and for several winters (until this winter) there has been no ice fit to put up; then also ice houses cost money, and the putting up of ice costs money.

So I cannot advise dairymen and farmers to milk more cows because St. Louis needs more milk so the price can be made lower. The people of St. Louis are looking after their own individual and selfish interests, and it is time the farmer was looking after his own business. My advice is to milk better cows, even if you have to milk fewer of them; make your dairy make a profit, breed your own herd and select your best calves, and let some other man buy up the riffraff, if he wants it.



WATCHES AND CREAM SEPARATORS

There are some sensible dairy farmers who buy \$1.—, \$5.— and \$10.— watches, because they serve the purpose of a watch and waste nothing while they last.

But would any of these sensible dairy farmers put their money into and carry a \$1.— \$5.— or \$10.— watch if it cost them from 25 cents to \$1.— that they might otherwise save EVERY DAY to do so?

Most assuredly they would not.

Then why should any dairy farmer buy a cream separator of the \$1.—, \$5.— or \$10.— watch kind where its use DOES mean a WASTE of from 25 cents to \$1.— every day, in quantity and quality of product, that a DE LAVAL cream separator would SAVE?

THAT'S the all-important DIFFERENCE between POOR SEPARATORS and POOR WATCHES,—one's good enough while it lasts but the other wastes twice a day from the time its use begins.

A De Laval catalog is a separator education to be had for the asking

THE DE LAVAL SEPARATOR CO.

165-167 BROADWAY
NEW YORK

42 E. MADISON STREET
CHICAGO

DRUM & SACRAMENTO STS.
SAN FRANCISCO

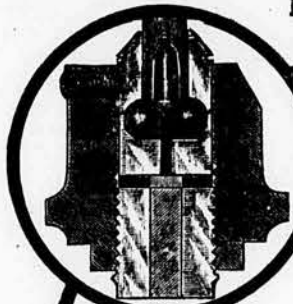
178-177 WILLIAM STREET
MONTREAL

14 & 16 PRINCE STREET
WINNIPEG

1016 WESTERN AVENUE
SEATTLE

The Secret of the Empire's Fame for Ease of Turning

Frictionless Bowl Spindle Makes Skimming Easy For a Boy or Girl



NO OTHER separator can turn easily, compared to an Empire, because no other manufacturer can use the one frictionless cream-separator bearing for the bowl spindle to rest on. That is an Empire patent.

In an Empire the bowl is supported by a single straight spindle, the point of which rests on the curved surface of three balls. (See illustration.) This arrangement not only prevents all friction at the spindle point, but avoids the necessity of any closed bearing around the spindle higher up—as all other separators must have.

This accounts for the Empire being known everywhere as the easy separator. A Frictionless Empire, for example, keeps running half an hour after you stop turning, because the upper bearing is also ball-bearing—as frictionless as the bottom bearing. Other reasons: Light bowl, fewest bearings, simplest construction, best materials and workmanship. No chance of wear or getting out of adjustment—and no work; facts just as true regarding the Empire Disc.

Empires Beat Them All For Ease of Cleaning, Too—and Long Service

Different Styles—All Sizes In Each Style—Offering Widest Choice.



A boy or girl not only can turn an Empire without effort, but clean it, making it absolutely sanitary in a jiffy. That's a vital point. The hard-to-clean separator will rob you every day. Even a speck of cream or impurity that lodges in a crack or crevice will taint the whole of your next skimming, giving you 2nd grade cream or butter—2nd grade price. Empires are, first of all, sanitary separators. No matter which you choose, Frictionless Empire, with cone bowl, or Empire Center-Feed Disc, you are sure of first quality cream, because the few simple, smooth parts are cleaned as easily and thoroughly as saucers.

The years of service Empires have given to hundreds of thousands of cow-owners, with practically no expense for repairs, prove what an Empire will do for you.

Send For Dairymen's Guide To Dollars

The Empire Book for 1910, is full of money-making facts for every owner of cows—the fairest, most impartial separator book ever published. Shows different styles of machines—take your choice—not one man's hobby. One is sure to suit you in style, size and price. Each backed by the Empire guaranty, as good as a Government Bond. Address

Empire Cream Separator Co.

Department J, 1225 Wabash Avenue, Chicago, Illinois
Factory, Bloomfield, N. J.

The FARMERS' GARDEN

A Seed Drill and Wheel Hoe is indispensable—not only in a village garden but on largest farms.

Farmers should grow all manner of vegetables and "live on the fat of the land." Should provide succulent roots for Cattle, Swine, Poultry, and save high priced feed stuff. Great labor-saving tools of special value for the home as well as the market garden. Send for free book.

IRON AGE
BATEMAN MFG. CO., Box 716
GREENLOCH, N. J.

SAVE HIRED HELP

Only One of Many Iron Age Tools

The most complete tool made

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.

Coupons Pouring In!

Everybody Buying at the New Cut Prices

Your Coupon Is in the Lower Left Hand Corner of This Page. Fill It Out NOW!

We believe the Economy Chief is the best and most satisfactory cream separator on the market today, regardless of price. We believe it to be the best in design, the closest skimming, the easiest running, the quickest cleaning; in short, the greatest separator value that money can buy. We have absolute confidence in the Economy Chief and we want every owner of cows to share this confidence with us. We want everyone interested in buying a cream separator to have an opportunity to find out for himself which is the best machine, which is THE SEPARATOR TO BUY.

Here Is the Challenge Offer That Is Bringing in the Orders by Every Mail

*Deposit in your local bank the price of the Economy Chief Cream Separator you want to try, or
Send us a letter of reference from your banker stating that you are a reliable person; then*

We will ship to you at once, freight prepaid, the separator you order, with the understanding that you are to set it up and try it on your farm for sixty days. Give it the hardest kind of a test; if possible try it alongside some other well known standard make, such as the Empire, United States or De Laval. Compare our machine in actual operation with any other. Note the amount of cream you get from each. Compare ease of running, time consumed in cleaning, and make any other comparisons you can think of. Never mind about the price; what you want from a cream separator is CREAM. If any other machine selling even as high as \$85.00 or \$90.00 will do better work, will skim closer, will give better satisfaction than our Economy Chief at \$42.50, our advice to you is, buy the other machine and send ours back.

When you have finished your sixty-day test, if you are perfectly satisfied that you have the best separator on the market, write us saying that you want to keep the machine, and we will send you a bill for your separator and the freight charges we paid on it.

If at the end of sixty days you are not satisfied that the Economy Chief is the world's best separator, you don't need to even tell us the reason for your dissatisfaction unless you wish to; just drop us a line saying you don't want the machine. We will then send you a return address card to tack on the box and we will not only return all money sent us, but also pay you for your time and trouble in setting up the machine, repacking it and hauling back to the station. We don't want you to lose one penny in trying out the Economy Chief for sixty days.

Reduced Prices for 1910

WE RECOMMEND THE BIG 600-POUND SIZE

No. 23T51 New 1910 Economy Chief. Capacity, 250 to 300 pounds, or 120 to 145 quarts per hour. Price reduced to.....	\$27.90
No. 23T52 New 1910 Economy Chief. Capacity, 350 to 400 pounds, or 170 to 195 quarts per hour. Price reduced to.....	33.80
No. 23T54 New 1910 Economy Chief. Capacity, 600 pounds, or about 290 quarts per hour. Price reduced to.....	42.50



FILL OUT THIS SPECIAL ORDER BLANK

☐ **CASH WITH ORDER.**
If you are enclosing the full price, simply write the amount in this square.

☐ **CASH IN BANK.**
You can deposit the purchase price of the separator with your local banker, to be held by him for a month while you are trying it. If you follow this plan make an X mark in this square and enclose your certificate of deposit signed by your banker.

☐ **BANK REFERENCE.**
If you prefer not to send us the money, or to hold it in the bank subject to our order, make an X mark in this square and enclose a letter of reference signed by your banker, telling us that you are a responsible property owner.

☐ **FREE DAIRY GUIDE.**
Nearly everybody has a copy of our big General Catalog or our Cream Separator Catalog, but if you have not and want more information before ordering, make an X mark in this space.

Name _____

Postoffice _____ State _____

Shipping Point _____ State _____

R. F. D. _____ P. O. _____ Street _____
No. _____ Box No. _____ and No. _____

Send me by freight on trial _____ Economy Chief Cream Separator

Size _____ Price _____
Kansas Farmer. (Please write plainly and carefully.)

If you want to send cash with your order, as most of our customers do, you won't lose any of the benefit of the above CHALLENGE OFFER, for if at the end of sixty days you decide you don't want the machine, if you think after a sixty days' trial you can get along just as well without a separator, or if you have seen a separator in operation giving better results than the Economy Chief, just send it back at our expense, tell us how much we owe you for freight charges, hauling from and to the station, setting up and repacking, and we will promptly send you every cent of the purchase price, plus your bill.

This Is Our Challenge Offer and Our Whole Cream Separator Proposition!

We think our Economy Chief Separator is the best machine in the world. We want to sell you an Economy Chief if you think the same as we do, not otherwise, and we make this challenge offer to give you a chance to find out all about the Economy Chief at our expense and to prove our confidence in our own machine.

**IF THE MAKER OF ANY OTHER CREAM SEPARATOR IN THE
WORLD BELIEVES IN HIS MACHINE AS WE BELIEVE IN OURS,
LET HIM MAKE YOU THE SAME PROPOSITION WE DO.**

That's all—Now fill out the Coupon!

SEARS, ROEBUCK AND CO. CHICAGO

\$1.00 for 90 Cents

Here is a chance for some one wanting to go into business. If you will hurry, a \$1.00 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.

LEARN TELEGRAPHY

SANTA FE TELEGRAPH SCHOOL,
Topeka,

And earn from \$53.00 to \$165.00 per month. We have railroad wires giving actual experience. Owned and operated by the A. T. & S. F. Ry. Write for illustrated catalog, Desk F., Kansas.

ENID BUSINESS COLLEGE

Established 1899.

Strong, thorough, complete, and ready to help you. Write for Journal A. ENID, OKLAHOMA

WE PREFER

To hold our students upon the merits of our school or not at all. A term's trial will convince you. Write today.

ANTHONY BUSINESS COLLEGE,

Box 152,

Anthony, Kansas.

Business Colleges

Box 353 F.,

Hutchinson, Kan.

Largest in Kansas. Students come from fifteen states.

LIVESTOCK FEEDING, BREEDING AND MANAGEMENT.

HOME STUDY

The scientific farmer is a King; the Ignorant Farmer is a Slave. We give by mail a concise, complete and comprehensive course in the kind of FARMING THAT PAYS, including a scientific study of stock feeding, breeding, care and training; crops, seed, rotation, soil, farm management, machinery, dairying, poultry, fruit growing, gardening. Also course in Domestic Science, intensely practical. Tuition low. Write for catalog to

FORD CORRESPONDENCE SCHOOL,

TRENTON, MISSOURI

BERKSHIRE SOWS AND GILTS AT AUCTION

THURSDAY, FEBRUARY 24, '10

At farm 3 miles from WAYNE, 5 miles N. E. of TALMO and 9 miles S. E. of BELLEVILLE, KAN.

A choice offering representing the best strains such as Baron Lee 4th, Lord Longfellow, and Black Premier.

I have bought stock from the leading herds Kinloch Farm, Kirksville, Mo., and Chas. Sutton, Lawrence, Kan., included. The offering is a good one all safe in pig to a son of Black Premier.

Bids can be sent to Jesse Johnson representing this paper.
P. J. George, Auctioneer.

F. T. HADACHEK
WAYNE, KAN.

DISPERSION SALE at SUNNY SLOPE FARM, EMPORIA, KANSAS OF THE GREAT SUNNY SLOPE HERD OF HEREFORD CATTLE

250 Head at Public Auction

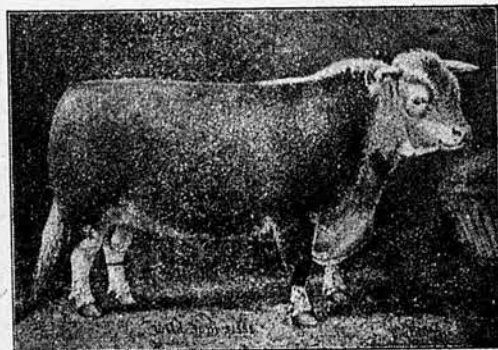
Tuesday, Wednesday and Thursday, March 1, 2, 3, 1910

30 two year old heifers in calf, 30 yearling heifers, 100 cows from 3 to 8 years old, 30 bulls, 60 calves of both sexes to be sold with their mothers.

NEVER BEFORE IN HEREFORD HISTORY HAS SUCH AN OPPORTUNITY BEEN OFFERED BUYERS OF PURE BRED CATTLE. The entire show herd is included and the four great herd bulls, Beau Mystic, Expectation, Beau Doncaster and Beau Mystic 11th. Beau Mystic I believe is the most valuable Hereford bull in America. He was shown two years at the leading fairs of the country and was never defeated but once and then he walked to the show ring on three legs. I believe he can defeat any bull in the country in next year's show, and I doubt if any breeder can show as fine a lot of cattle as I will show you on sale day by this bull. IT IS HIS ABILITY TO PRODUCE GOOD ONES THAT MAKES HIM VALUABLE RATHER THAN HIS SHOW RECORD.

On March 3rd I will sell 25 mares and horses, 30 milk cows, 40 pure bred Berkshire hogs, 12 sheep, farm machinery and household goods.

SUNNY SLOPE FARM is the best advertised pure bred breeding establishment in America, and is situated from a buyers' standpoint as good as any in America. \$100,000 will not advertise your farm as well as this one has been advertised. It is for sale. 970 acres for \$60,000. Land adjoining it is selling for \$65 per acre. The farm will be sold at private sale. Everything else at auction. Write for catalog and remember the dates, March 1st, 2nd and 3rd.



Auctioneers: Col. F. M. Woods, Lincoln, Neb.; Col. R. E. Edmonson, Claude, Texas; Col. Geo. P. Bellows, Maryville, Mo.; Col. Thos. Scofield, Emporia, Kan.

C. A. STANNARD
EMPORIA, KAN.

THE FARM



Not only corn but all other seeds should be of good quality, high germinating power, and free from taint of hereditary disease. It is a waste of both time and money to plant poor seed. Not only will such seed fail to germinate as it should, but such plants as do grow from it will fail to produce as they should. All seeds should be carefully sorted through a fanning mill or grain grader which will serve to eliminate the light and immature seed of the crop desired as well as all dirt and sand and the weed seeds with which it may be mixed.

Sorrel on the land is an indication of sourness and many farmers inquire about the use of lime or land plaster for sweetening purposes. In the greater portion of Kansas, where limestone exists, it is doubtful if the application of lime would be of any material value. The condition indicated by the growth of the sorrel may be best overcome by a plentiful use of barn yard manure. This may be supplemented by the growing of a crop of some leguminous plant, such as cow-peas, if the conditions will permit. If not, then sweet clover will do more to bring this soil into the right condition than perhaps any other treatment that could be given it.

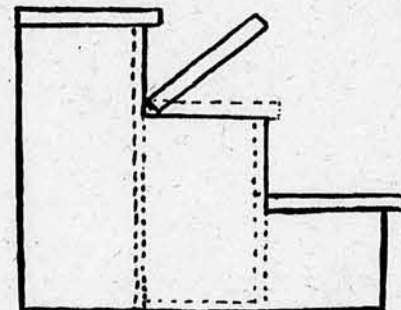
Dr. H. C. Price of the Ohio Agricultural College has charged his farm land with 35 cents per hour for man and team and the market price for the products grown, and gets the following results. One 60 acres of corn yield was 79.8 bushels per acre which cost \$20.39 to produce and was valued at \$49.47. This showed a clear profit of \$29.08 per acre. On clover hay he raised 3.1 tons per acre on 15 acres. This cost 6. and produced \$25.26, or a profit of \$18.93 per acre. His 12 acres of wheat averaged 15.29 bushels at a cost of \$12.99 per acre, and with a yield of \$16.52 per acre showed a profit of \$2.63. On oats he had a yield of 20.7 on 8 acres. The cost was \$12.13, the proceeds, \$12.56 and the profits 43 cents per acre. With 6.4 acres of potatoes his yield averaged 83.3 bushels which cost \$57.67 and yielded \$84.85 with profit of \$27.22 per acre. In his locality this would seem to indicate that all crops pay but that corn is the most profitable, with potatoes second and oats with almost no profit.

There is a gas called nitrogen which is present in the atmosphere in immense quantities and which is necessary to the growth and thrift of vegetation. It is found in some form in many different substances and when sold as a fertilizer commands a very high price. It is doubtful if nitrogen can be bought with profit in the form of fertilizer for use in enriching farm lands except under special conditions. For greenhouse purposes or for the truck gardens, where intensive farming is practiced, it may prove profitable, but the ordinary farmer can not afford it. He can, however, secure an abundance of nitrogen and add materially to humus in his soil by growing some one of the leguminous plants and occasionally plowing under a crop. Perhaps cow-peas are the best for this double purpose though any kind of clover is equally valuable. One heritates to plow up a good field of alfalfa for the sake of the nitrogen and the humus that would be added to the soil while he might not hesitate to plow up a crop of cow-peas or soy beans.

A great deal has been written about the necessity for inoculating soils as a preparation for the growing of alfalfa. Several men have discovered methods of preparing solutions in which are suspended the bacteria necessary to the perfect growth of alfalfa. These, however, are of doubtful utility because their value depends entirely upon their freshness and the reliability of the men from whom they are obtained. The old and crude method of transferring soil from an alfalfa field of long standing to new ground where it is proposed to grow it, would seem to be effective but

costly. It has lately been discovered that the bacteria which develops on the roots of the sweet clover is transmissible and will develop on the roots of alfalfa. As sweet clover will grow on almost any kind of soil it has been found useful in many ways but this later discovery will add to its value. It is not thought highly of as either a pasture or hay plant by most people, though some farmers value it for both purposes. It is of real value, however, in "breaking in soil," as it will grow in clay land where no other vegetation would seem to gain a foothold. It is an enricher of the soil, and for poor clay "points" on the farm it has no equal as a fertilizer. If it be allowed to grow to a medium height and plowed under it will leave behind it a volume of humus, a considerable amount of nitrogen and the bacteria necessary to the growth of alfalfa. As a crop to be grown preliminary to alfalfa farming it has made its value appreciated.

A novel and very convenient household utility is suggested by the picture given herewith. It is planned for use in the kitchen steps and consists of hinging the tread on one of the steps so that it may be easily raised or lowered into place. Beneath this



step is arranged a box which may be easily and quickly built and which has for its purpose a housing for rubber shoes, work shoes, boots, or other wearing apparel that one does not wish to bring into the house. If one is wearing rubbers it is only necessary to lift the lid, drop the rubbers into the box, and the lid into place, when the stairway is as good for its use as ever and the rubbers are protected from rain or snowfall, and are ready to slip on again as the owner leaves the house. It also solves the question in keeping the rubbers away from playful dogs who might like to carry them away if they were left beside the door. This will be a great relief to the housewife and will insure clean floors and dry rubbers that are ready for use when wanted.

A Stump Remover.

Perhaps because the so-called chemical stump remover has been advertised extensively there seems to be a greater inquiry than common about the best and easiest way to remove

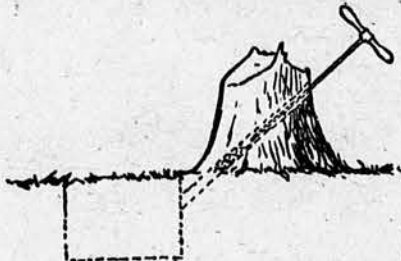
A VALUABLE VETERINARY BOOK ABSOLUTELY FREE.

A little book which our readers have seen mentioned frequently in advertisements and in live stock discussions called the Zenon Veterinary Adviser, holds much that is of interest to farmers and stockmen, whether owners of few or many animals. It is valuable because it gives methods of treating along lines or the commonest troubles that all classes of live stock are heir to. The book is carefully indexed, and was designed primarily to show the relation of the celebrated Zenon Animal Dip and Disinfectant to domestic husbandry economy. Zenon has come to be a very popular thing among owners of live stock in every State in the Union, in Canada and other foreign countries. Its standing among high authorities appears from the fact that forty-five Agricultural Colleges unhesitatingly give it their recommendation.

The Zenon Veterinary Adviser shows in their own words just what the professors and various directors connected with these institutions have said of it, and the suggestions they offer for its use. The most important fact is that the book is more conclusive than merely stating the uses of Zenon. It gives many descriptions of diseases and ailments, their causes and symptoms, etc., that could hardly be had in such compact and reliable form in any other book we can now call to mind. There are sixty-four pages, splendidly printed in large readable type, and well bound in a serviceable cover. This book can be had free by any reader of this paper by writing to the Zenon Disinfectant Company, 61 Lafayette Avenue, Detroit, Mich., for it.

I believe readers who send for it will have cause to be gratified that I have called this matter to their attention. Take my advice and send for it right away.

stumps. It is purely a waste of money and time to undertake to remove stumps by any chemical preparation, and it is also probable that the stump puller is, after all, the most economical means that has been devised for this purpose. However, an easy way to remove stumps, where time is not an object, is to dig a trench beside the stump and then to bore a diagonal hole through the stump so that the lower end of the hole will be near the top of the trench and the upper end some distance



above the ground. Build a fire in the trench and partially cover it so that the flame will draw through the auger hole like it would through a flue. As soon as the fire is started a draft is created through the auger hole and this helps to fire the stump much more rapidly. This method requires no great equipment and will be found effective though it takes time. If one is so situated that he desires to clear a considerable area of stumps it is undoubtedly true that the use of the stump pulled would be the more economical method although it may require considerable expenditure for the purchase or rental of the stump puller and the necessary teams and men. This method of burning stumps is suggested by a reader and is offered for what it is worth.

Of course it is understood that dynamite will do the work quickly but this substance is very dangerous to handle and should be used only by an expert.

Harrow While You Plow.

Of the making of many machines there would seem to be no end. It is an old time custom in the prairie country of Kansas, where farm help is short, to have one man handle two teams in such a way that he can drive one hitched to a plow and lead another hitched to harrow. Better still, he can tie the hitch rein of the harrow team to the hames of one of the plow horses and drive both teams. At best this arrangement has been a clumsy one, although it has been effective. Some time ago an inventive genius devised a combination machine, by which he accomplished the results aimed at in the method described with very much less of labor for himself and with the use of only one three horse team. This device consists in a regular riding gang plow to which is attached a rotary harrow in such manner that all of the land that is turned by the plow is covered by the harrow twice. In other words, the harrow is long enough so that it laps its own work. This machine is said to run without any noticeable side draft and to require no more team force than would be necessary for the two implements separated while it does save the labor of one man. One of the causes of the high price of farm products is undoubtedly due to the fact that so many young men move to town. Another cause may be found in the difficulty which farmers experience in securing help of any kind. This compels them to cut down the area to be cultivated, to give but poor attention if the original area is maintained, or else to give it up and move to town themselves. Under these circumstances labor saving machinery becomes necessary and, if it does really save human labor, it is doubly necessary both because of the scarcity of farm help and of the increased efficiency of the farmer. The advertising columns of the KANSAS FARMER will afford specific information in regard to this new style of implement.

Information About Corn Planters.

Recently there appeared an article in this paper under the heading, "Improvements in Corn Planters." Since then it has been thought advisable to give a clearer description of the Superior Corn Planter. This machine is both edge drop and round-hole drop, both kinds of plates being furnished without extra cost. The user can put an edge drop plate in one hopper and

a round-hole plate in the other, and thus demonstrate to his entire satisfaction which does the best work. Right here let us say that seed corn should be graded, and then plates of the size holes best adapted to the work selected. The more uniform the size of kernel the more accurate the work. This Superior Corn Planter has what is termed a "start and stop" motion, which gives the cells in the plates ample time to "fill" properly. The planter stands high enough from the axle to the ground to enable it to

pass over stumps or stones. The runner heels can be adjusted one independent of the other, thus insuring the corn being kept in perfect check. The seed spout is of solid, smooth steel, insuring an immediate drop of the seed without scattering the kernels unduly. When the furrow openers are lifted out of the ground the marker is automatically lifted up to enable the user to turn around. The planter is short-coupled and so arranged that it can be "backed up" at will without danger of springing the

frame. The corn hoppers, as well as the fertilizer hoppers tip over completely, thus providing a means of instant examination or change of plates without emptying the hoppers. Our readers should write the manufacturers, The American Seeding-machine Co., Incorporated, Springfield, Ohio, for their Superior Corn Planter booklet, because we cannot tell about it here. After getting the information wanted, go to your local dealer and insist on seeing the Superior Corn Planter.



How Often on the Farm

an errand is to be done at the end of the day. Perhaps a piece of machinery must be quickly repaired. You would walk miles rather than drive a tired horse. With the new Rambler your task becomes a pleasure—you can devote an hour or two more to your work—then skip away to town, take family or friends along and be back in good season. You will have no worries on the way. With offset crank-shaft advantage for hill-climbing and traveling through sand and mud; 36-inch wheels and big tires for high clearance; long wheel-base for comfort on uneven roads; straight-line drive for saving power and the cost of upkeep; spare wheel to overcome tire trouble, and aluminum front floor, the Rambler possesses an efficiency quite in keeping with its quality.

A postal card will bring you our new booklet.

Thomas B. Jeffery & Company
Kenosha, Wisconsin

A New Premium JUST A FEW ON HAND

THIS IS THE SPRING
THAT OPENS IT
AFTER INTRODUCTION

COLSON'S IMPROVED FORCEPS

FOR PIGS, LAMBS & PUPS

PAT'D. JAN. 28. 08.

OTHER PATENTS PENDING

These forceps are made of the finest spring steel polished and nickel-plated and are positively the best forceps on the market. The cut is necessarily so small it gives but a faint idea of the instrument. Farrowing season is close at hand and your sows cannot be watched too closely. Think what it means to lose one sow and a litter of pigs or even one pig.

Every farmer should have forceps on hand for an emergency. Colson's Improved Forceps are the best on the market. Thousands of them have been sold and given satisfaction.

Prof. C. A. Wilson, Instructor in Animal Husbandry of the University of Missouri says:

"We have just had occasion to use Colson's Pig Forceps and they are a complete success. We find that the pig can be readily gotten hold of and removed without injury to the sow or pig. Forceps of this pattern should be in the hands of every farmer who owns a brood sow, for once using of them will mean the saving of many times their cost."

That's pretty strong testimony is it not?

Owing to the great demand for them we were only able to secure a few of these forceps at this time but we are going to give our readers the benefit of the purchase while they last.

HERE'S OUR OFFER.

Send us \$1 for a renewal of your subscription to Kansas Farmer and 25 cents for express or mailing and we will send you at once one of these instruments. FREE.

Address

Circulation Department Kansas Farmer, Topeka, Kan.

FROM FACTORY TO FARM



The farmer who raises purebred Short-horns or Holsteins exclusively can raise better steers and cows than if he mixes the grades.

Same way in making cream separators. By confining our efforts to one line of manufacture, our big out-put and many years experience makes the

Monarch Cream Separator

the equal of other separators costing as high as \$75.00 or \$100.00. You save fully \$25.00 by purchasing direct from one of the largest separator factories in the West.

ONLY \$29.75 AND UP. You will be surprised how low the price is, by cutting out the middleman's profit and extra freight. Every dollar you pay goes to buy iron and steel in the separator. The rest stays in your own pocket, and our UNLIMITED GUARANTEE protects you for 20 years to come.

30 DAYS FREE TRIAL. and we pay all the freight if you don't find the Monarch skims closer, runs and washes easier, and is the best all around separator of any in your neighborhood.

EASY TERMS. Your cows can pay for it on the Monthly Payment Plan, if you prefer it.

WRITE TODAY for Catalog and free book on Dairying.

Lisle Mfg. Co.
473 Main St.,
Clarinda,
Iowa.



A Buffalo Calf FREE

Ask your dealer for a Little Buffalo Calf made from the leather that's used in our shoes. Try to tear it with your fingers. Get a pair of Bentley & Olmsted Company's Buffalo Calf Shoes if you succeed. We'll pay for them. That's how much confidence we have in our leather. We got it from the hides of healthy young cattle, raised indoors and killed at just the right age and season.

B. & O. Buffalo Calf Shoes

Leather used in ordinary shoes is staked, or stretched. Ours isn't, for ours aren't ordinary shoes. Our Buffalo Calf tannage is a development of the recently perfected Elk Tannage process. It gives life, strength, pliability and softness to the leather.

Soles, counters, insoles and gissoles of our shoes are made from high-grade Hemlock Tanned Texas steer hides.

Nothing so strong—nothing so comfortable as B. & O. Buffalo Calf Shoes.

If your dealer doesn't hand-die them, send us his name and we'll send you a Buffalo Calf Free and a pair of our best shoes if you tear it.

Bentley & Olmsted Co.,
Des Moines, Iowa



\$3.00, \$3.50 and \$4.00

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APILARY

Every beekeeper to keep up with the times should take one or two good bee journals, and get a book on beekeeping.

Now that the KANSAS FARMER has established a bee department, any question asked will be answered if possible.

A word to the experienced bee man: I want to say that we must have your support to make this department a success. Do not wait for your neighbors to do it, but take hold yourself by sending in short articles on subjects of interest. Tell us what you are doing and how you do it.

The busy bee has long been neglected, and now we want to show the farmers that bees are very profitable to have around, and at very little expense. If you have no bees, look for an ad in this paper or write to the KANSAS FARMER and they will refer your letter to some reputable party. The bee is useful in many ways as you will learn through this department in the future.

HONEY RECIPES.

Honey Jumbles.

2 quarts flour, 3 tablespoonsful melted lard, 1 pint honey, 1-4 pint molasses, 1 1/2 tablespoonsful soda, 1 teaspoonful cream of tartar, 1/4 pint water, 1/2 teaspoonful vanilla.

This jumble recipe is used by bakers and confectioners on a large scale. One firm in Wisconsin alone uses 10 tons of honey in their factory.

Ginger Honey Cakes.

1 cup honey, 1-2 cup butter or drippings, 1 tablespoonful boiled cider, 1-2 cup hot water, or 1-2 cup sour milk will do instead.

Work these ingredients together, and then add 1 tablespoonful ginger and 1 teaspoonful soda with flour enough to make a soft watter. Bake in flat pan.

Honey Short Cake.

3 cups flour, 2 tablespoonsful baking powder, 1 teaspoonful salt, 1/2 cup shortening, 1 1-2 cups sweet milk.

Roll quickly and bake in a hot oven. When done split the cake and spread the lower half thin with butter and the upper half with one-half pound of the best flavored honey (candied honey is preferred, if too hard to spread, well it should be slightly warmed or creamed with a knife.) Let it stand a few minutes and the honey will melt gradually and the flavor will permeate all through the cake. To be eaten with milk.

Honey Croup Remedy.

This is the best known to the medical profession, and is an infallible remedy in cases of mucus and spasmodic croup.

Raw linseed oil, 2 ounces, tincture of blood root, 2 drams, tincture of lobelia, 2 drams, tincture of aconite, 1/2 dram. Honey 4 ounces.

Mix, dose one-half to one teaspoonful every 15 or 20 minutes, according to the urgency of the case. It is also excellent in all throat and lung troubles originating from a cold. This is an excellent remedy for lung trouble. Make a strong decoction of hoarhound herb and sweeten with honey. Take a tablespoonful four or five times a day.

The above is an excellent recipe, but in case of an emergency when you haven't time to go to a drug store for the above ingredients, I know of several here in Topeka, who have cured croup in a simpler way. Some use honey and a little coal oil. Others use honey and goose oil. The main thing seems to be the honey.

Spring Care of Bees.

We wish to call the attention of the amateur as to caring for his bees in the spring. Now as we have had a hard winter for bees on the stand many think that trouble is all over, but it is not. If you haven't protected them in some way by covering the hives, do it now. We prefer this way. First, take a bunch of old newspapers, lay one-half on top of hive, let the other half hang down the sides, front and back of hive, and make them good and thick. Then we put two or three gunny sacks over these, then take common tar or building paper and put over this, letting it go down to bottom of hive. Tie with

strong cord, one near top and other near bottom.

The reason why we are so particular in the spring is that the young brood chills very easily and one cold night may do lots of damage to them, as the early young bees are what we want to make them profitable for the season. Some merely put gunny sacks over the hives and then set a small box over hive and all, which might do if it does not get too cold.

The Old and the New Beekeeper.

The old fashioned beekeepers used to put their bees in any old box, keg, or half barrel; but now they must have the best improved hives to make this work easy and more profitable. In the old way they never could examine the bees and comb. Now, they have movable frames so they can tell when bees are diseased or queenless or need feeding in the fall.

Perhaps the most important invention is comb foundation. This comb foundation saves the bees lots of hard work. When in the old box hive the bees had to make their own wax. Experts claim it takes eighteen or twenty pounds of honey to make one pound of wax. Now comes the queer part of it. In the old box hive we never knew whether there was a queen or not, and if the queen was lost and there wasn't the right kind of brood to raise a new one, the bees would all disappear, and we did not know what was the trouble. Now we can examine them by removing the frames and if they have no queen, we can send away and get a good, improved, well bred one, from parties making that their business, and put with the queenless swarm and when they find they have a new queen they go to work with new vigor and soon are in good condition again. These queens are put in a small cage and sent through the mail.

The old fashioned beekeeper smokes and kills the bees to get their honey. Now, they use an improved smoker and get their honey and save the bees. Then the old fashioned way was to have to chew comb, bee bread and all to get the honey. Now, we have a honey extractor and with a knife made for the purpose we uncap the combs and put them in the extractor and throw out just the nice, clean honey, put it through a strainer which takes out every speck of wax that might be left in it. Then you have a dish of nice, clean honey fit for the king.

Buying Bees.

Buying bees in old boxes or gums (as they are sometimes called) and transferring them into modern hives, is a common practice among beekeepers. If bargains can be obtained, this is good practice; otherwise it is poor practice. Often these old box hives are heavy with honey, and contain a good sized colony of bees; if they can be bought for \$1 or \$2 it may pay to buy them and transfer them, feeding back the honey as it is usually unfit for anything else, letting them build a set of combs from it, and be in good condition for the honey flow. The wax saved will pay for the transferring, and the colony costing you only \$3 to \$4. But generally you will not find the best varieties of bees in such hives or boxes, and a young queen will cost \$1 or more. Considering that there is usually some loss sustained in transferring and introducing queens, there could be only a very small bargain, even if the very best and heaviest hives were bought, and if the transferring were not done by some experienced hand there would not be anything saved by buying such old hives and boxes, except, perhaps, transportation charges on colonies from some beekeeper or dealers.

Box hives should be examined before they are bought, by removing the cover or top and turning the box down on its side, so that the light will shine through the combs from the bottom, and give you a clear view of the contents of the hive. If the boxes are constructed with a tight bottom, part the combs and turn the box so the light will shine between them, so that you can inspect them closely. When a colony in a box is thus examined set your price on it, and when all hives and supplies have been examined, you will know what to offer for the entire stock. The material used

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in the construction of box hives is generally very heavy, so you should not buy them by weight.

Sometimes bargains can be had by buying bees in modern hives from beekeepers who are moving away, or are not so situated as to keep bees and want to sell them, or for some other reason wish to dispose of their bees. There are always people in the market for bees, and such bargains should be made known to them, or bought by some one who is interested in bees. Transportation charges on bees are high, and should be bought as near home as possible.

The question is often asked, "Should I buy my increase or make it?" If you have the experience and time it might pay you best to make it; but if you can get a bargain in a lot of bees somewhere near you it would pay you best to buy your increase if it is in good condition. In making your own increase you have the strain of bees that you want, and the size of hive and frames that you desire, which can't always be had by buying bees for their bargains. Some beekeepers buy nuclei, and build them up to full colonies and make their increase in this way.

But how should the beginner buy his bees? The cheapest, safest and best way is to buy a full colony from some progressive beekeeper that may have some to sell, for then you would be almost sure to get a good colony of bees to start with.

Another good way is to buy a number of old-style box hives from some farmer beekeeper living near you, and put the natural swarm from them in modern hives; and, as soon as possible, buy an untested queen from some reliable queen breeder for the new swarms, kill the old queen and introduce the new one to the colony. Soon the old box hives will die out, and you will have a modern little apiary and good stock.

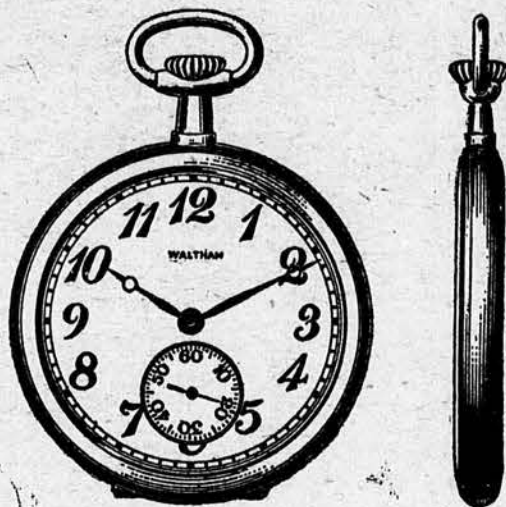
Many beginners have bought two-frame nuclei for their start, and built them up to full colonies. This is a good way for beginners to start beekeeping if they will give them the proper attention; for they will gain much valuable information while building them up to a full colony. Before the nuclei are ordered, a hive for each should be in readiness, with full sheets of comb foundation in the frames; and as soon as the nuclei arrive remove them from the case that they were shipped in, and set them in the hive next to one side with the division board next to them. A beginner should never order less than two-frame nuclei, which would consist of two frames of completed combs filled with brood in all stages of development, and honey, and contain a queen and enough bees to cover the comb well. After they have been in the hive for a day or two, separate the combs and insert a frame filled with comb foundation between them, and push them up together with the division board next to them, and start to feed them at once. The bees dislike this space between their combs, and the foundation being an inducement to start them at building the comb, keep plenty of feed for them so they can secrete the wax, they will at once begin to draw out the cells on this sheet of comb foundation, and in a few days it will be a beautiful comb filled with the feed, young bees, and eggs, for the queen will begin to lay in it as soon as the bees get the cells built out far enough for her to deposit eggs in them, and as soon as this comb is about completed, separate two more combs and insert another frame containing a full sheet of comb foundation between them and continue the feeding. As soon as this comb is about completed, insert another frame of comb foundation, and so on until the bees have completed for themselves a set of combs.—J. C. Frank, Dodge City, Kan.

If you are planning to set out some orchard trees this spring it is not advised that you buy trees that are older than two years. If these are carefully handled they will make a thrifter growth and an early maturity as well as be freer from disease than would older trees. When your trees come from the nursery, it is frequently necessary to heal them in until the proper time for planting. When this is done be sure to protect them against rabbits.

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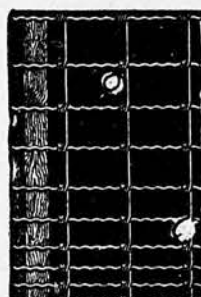
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For sale, cockerels, \$5 up. Females \$2.50. Trios, \$10.00. Won 27 prizes 1909.
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S. C. White, Brown and Buff Leghorns and R. C. R. I. Reds. Bred from heaviest laying and winning strains. Eggs for hatching, and day-old baby chicks. Book your orders now for future delivery. Write for circular and prices.
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POULTRY



The price of eggs keeps tumbling down, and the farmer will soon be complaining that it does not pay to supply eggs at such low prices.

Now is the time to advertise your surplus cockerels. A subscriber at Plainville, Kan., wants to know where he can buy S. C. Brown Leghorn cockerels.

Here is where the poultry fancier gets the advantage over the farmer. The reduction in price of common eggs does not affect the price of the fancier's pure bred eggs. They still sell at from two to ten dollars per setting.

Now that eggs are getting plentiful many will be soiled by the dirty feet of the hens. Before they are taken to market they should be washed, so as to present a clean appearance at the grocers and a higher price should be paid for such eggs than unclean ones.

Eggs should be gathered several times a day during cold weather, because if left long after being laid, they are apt to freeze and crack and from eating such cracked eggs is formed the bad habit of egg-eating. It is also well to provide plenty of lime so that the shells will be strong and therefore not so liable to be broken.

When fowls have free range, they will thrive very well on one kind of grain, such as corn, kafir corn or wheat, for they can pick up so much on the range that will counterbalance the one variety of grain and tend to make a balanced ration. But when fowls are confined to small runs they must have a variety of grains to do well, as well as some green food and meat.

"In the Paris markets they have a certain way of deciding the age of eggs which seems practical. About six ounces of common salt are put in a large glass which is filled with water. When the salt is in solution the egg is dropped in the glass; if the egg is only a day old it immediately sinks to the bottom of the glass. If three days old it sinks only just below the surface. From five days upwards it floats. The older it is the more it protrudes out of the water.

During an experiment in Cornell University a few years ago the average feed cost for eggs throughout the year was about 9 cents per dozen. Other experimenters give the cost of eggs in winter at 15 cents per dozen and in summer eight and one-half cents. Under present prices of feed eggs would cost about 12 cents per dozen, but it must be remembered that on the farm the hen picks up the most part of her living from the

waste material that is scattered over the farm, so that the cost of a dozen eggs is a very small item of cash outlay.

A subscriber at Atlanta, Kan., wants to know if there are two strains of White Leghorns. He notices that some are larger than others. There are dozens of strains of both S. C. Comb and Rose Comb White Leghorns as raised by different breeders. Some pay particular attention to the laying proclivities of their birds, while others boast of having an extra large sized fowl, for the Leghorn variety. Some complain that the Leghorns have been dwindling in size till they are no larger than pigeons, but several breeders are trying to increase the size of their birds, without hurting their laying qualities.

Johnson's Egg Ranch.

M. M. Johnson, the incubator man, of Clay Center, Neb., is contemplating adding an egg ranch to his many other industries. We publish a description of the proposed ranch in Mr. Johnson's own words and trust he will make a success of it. Though out of the ordinary run of egg ranches, there is no reason why this one should not be successful. Lack of proper ventilation is generally accepted as the stumbling block where several hundred fowls are kept together, but we have seen this stumbling block removed in the poultry house of R. K. Wilkerson, Tonganoxie, Kan., when he successfully raised several hundred laying pullets. We are satisfied that Mr. Johnson's estimate of 200 eggs per hen per year is altogether too high and that he cannot afford to pay 10 cents each for rabbits to feed his chickens, but these are minor matters that can be regulated in time. We shall await the developments of this experiment with a great deal of interest, and if, after Mr. Johnson gets to running his egg ranch successfully, he will send us an invitation to inspect it, with a promise of a chicken pot pie dinner; and we can get a pass from the railroads, and a leave of absence from our wife, we may go to Clay Center and look it over. Following is Mr. Johnson's description:

Between my home and the incubator factory, I have 10 lots, 50x170 feet, or putting it another way, the ground is 500 feet in length and 170 feet wide. I am now fixing it up as an egg ranch, and without question a description of the plan will be interesting.

Counting the basement, the building will be four stories high, with a mow for alfalfa as the fifth floor. The building will be 72x72 feet. The basement will be half below the ground and half above ground; the basement and three main floors will have plenty of windows in the south; the ceiling or joists will have a seven foot clearance on each floor.

The basement will be used for brooders and to raise the chicks until the old stock of hens are sold each fall. After disposing of the older stock the pullets will be moved to next floor. The third and fourth stories will be entirely for feeding and exercise, except a division on third floor for a nest room.

The building will be lathed and plastered. In the center there will be an air chute, and directly under it in the basement there will be a large, baseburner, hard coal heater. The object of this heater will be to take the chill off of any or all of the floors by means of trap doors in the air chute.

The ground will be fenced with six foot strongest poultry fencing and divided into two fields. The object of the two fields will be to rotate in rye for green stuff, allowing the fowls to use one field while the rye is coming up in the other. In addition, will feed alfalfa leaves in the winter time. I am going into this undertaking with a view of having the house occupied with 1000 matured pullets each winter. As a substitute for bugs and worms that they would get on free range, I am going to pay the boys 20

HIGHEST SCORING S. C. R. I. Reds in Southern Kansas; eggs now ready, nicely packed for shipping, \$1.50 for 15. J. D. Hite, Mound Valley, Kan.

100 S. L. WYANDOTTES.
Cockerels and pullets from birds that win at St. Louis and Kansas State Shows.
M. B. Caldwell, Broughton, Kan.

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Choice Barred P. Rock cockerels, \$2.00 to \$4.00; hens, \$2.00 to \$3.00; eggs from yards, \$2.00 per 15. Farm range, \$6.00 per 100.
E. Leighton, Effingham, Kan.

FOR SALE.
A fine lot of R. C. R. Leghorn cockerels, farm range exclusively, \$1.00 each or six for \$5.00. Orders filled promptly and satisfaction guaranteed. Eggs for hatching in season. Mrs. O. B. Smith, M. R. I. Club, 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.,
K. R. No. 1, Buffalo, Kan.

"Hardscrabble" Leghorns.
Single Comb White exclusively. 50 cockerels, have never run with hens since they began to crow. Eggs for hatching in their season.
E. M. WHEELER, Jefferson, Kansas.

WE LAY FOR YOU

Smith's Barred and White Rocks. Send for mailing and price list.
CHAS. E. SMITH,
Bayneville, Box 6, Kansas.

NEW SEED OATS

Big Money in Oats

New Seed Oats. Big money in oats if you raise the right kind. Here's your chance to get them. Imported Canadian Seed Oats for sale extra fine. Send for free sample. It speaks for itself. This same oats we sold last year in the United States and proved their merit and our statement that the farmers need a change of seed in this country. We make a specialty of growing extra fine seed oats on our big Canadian farm; new, clean land; no weeds. Have best known varieties. Regenerated Swedish. Select went 116 bushels to acre this year. Early New Market, Canada's favorite, 110 bushels to acre. Both of these are big early yielders. I believe it will pay you to get a change of seed. Try some of these oats. The average oats are inbred and run out. Canadian Government Grain Inspector graded this grain No. 1 White. Have stiff straw, white berry, thin husk, enormous yielder. It is as easy to put in and harvest a big crop as a small one. The reason your oat crop is not bigger is because your seed is run out. This has been proven. Look at this cut. Taken from photograph of two stalks from Galloway Brothers' field, over 80 kernels to the stalk. Write early for free sample, or send ten cents for packet. Will also send you free booklet entitled "Big Money in Oats and How to Grow Them," by Galloway Bros. and Prof. M. L. Bowman, former professor of farm crops Iowa Agricultural College. Information in this book is priceless. Get it free.

GALLOWAY BROS., 322 Galloway St., Waterloo, Ia.

NURSERY SNAPS
\$1
20 Budded Peach Trees \$1.00, 40 Concord Grape Vines \$1.00, 8 Budded Cherry Trees \$1.00. They are strong, healthy, ready to grow. Catalogue and 25c due bill free. Write now for choice selections. Fairbury Nurseries, Box 1, Fairbury, Neb.

GOOD SEEDS

BEST IN THE WORLD

PRICES BELOW ALL OTHERS
I give a lot of new sorts for trial with every order I fill. A Grand Big Catalog FREE illustrated with over 700 engravings of vegetables and flowers. Send yours and your neighbors' addresses.
R. H. SHUMWAY, Rockford, Illinois

GALBRAITH "NEW LAND" FRUIT TREES

FREE FROM DISEASE GROW FASTER
Nebraska trees thrive best everywhere—famous for heavy fruiting. Apples and Peaches etc. Cataloga Speciosa, \$2.00 per 100.
We sell direct—no agents—save you one-half and pay freight. We comply with all requirements for interstate shipments. Catalogue with special premium offers free. The Galbraith's Nurseries Co., Box 32, Fremont, Neb.

STRAWBERRY PLANTS
at \$1.00 per 1000 and up. Catalogue free.
ALLEN BROS.,
Paw Paw, Michigan.

IF YOU WANT TO BUY
the best western grown nursery stock write us at once. Apple, pear, cherry, plum, peach, shrubs and roses our specialties. Freight paid to your station.

THE GRISEA NURSERIES, Lawrence, Kan.

CATALPA SPECIOSA GUARANTEED.
To be pure seed gathered under our direction. Examined by the U. S. Agricultural Department and found to be pure. Copy of their letter and catalpa facts in illustrated booklet mailed free. Write for same.
The Winfield Nursery Co., Winfield, Kan.

SEED CORN.
Plant Young's Yellow Dent seed corn, the best on earth. Won Missouri's gold medal at National Corn Show, Omaha, 1903. Guaranteed 90 per cent germination under all conditions, or will fill order again free of charge. Price \$2 per bushel. Sample ears, 50 cents each. Sample free. Choice Poland China fall pigs, \$25 each. One Jersey bull calf for sale.
Robt. I. Young, R. F. D. 5, St. Joseph, Mo.

The World's Fair Prize Winning SEED CORN

Garden seeds and grass seeds in bulk. Poland China hogs, Barred Rock cockerels and Scotch Collies. My 1910 catalog free; it's full of good common sense. Write now.

The Lawndale Seed Farm,
John D. Ziller, Prop., Hiawatha, Kan.

Trees from Chanute Bear Fruit YOU BET!

That's why they all want them. Write today for our great \$10.00 combination offer.

CHANUTE NURSERIES,
James Trullitt & Sons, Chanute, Kansas.

SEED CORN

Hildreth Yellow Dent! Twice in succession winner at International (Barred from trying this year.) Seed all gathered before freeze. Take no risk. Write us. Seed costs you 15c to 25c per acre. Also Texas Red ears. Fine Deming Ranch, Oawego, Kan.

Pure bred Shorthorns and Poland Chinas.

TREES
Of all kinds at WHOLESALE PRICES. Have agents combination of 40 per cent by ordering direct from us. Premium with each order free of from 1 to 4 trees; roses, shrubs or other stock. Stock Guaranteed first class. Certificate of Inspection furnished. Don't delay send for price list now. Address Box 3, WICHITA NURSERY, Wichita, Kan. (Don't Ask for Wellington Nurseries.)

cents each for jack rabbits and 10 cents for cotton tail rabbits. Either of them are so plentiful in this country that they are a plague to farmers. Corn, wheat and barley will be the feed. A feed cooker in the basement will cook vegetables, and they will get their regular warm bran mash. There will be a man around the ranch to do the heavier work.

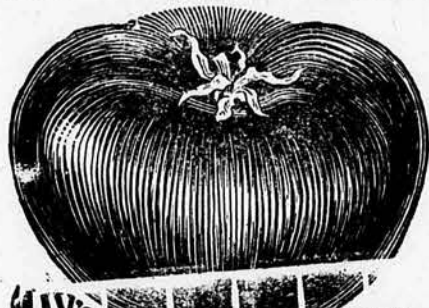
This plant will not be an experiment except in the number of fowls. We, my wife and I, made a lot of money on the same plan with from four to six hundred fowls and we did not have the suitable buildings. From Nov. 1 to April 1 the pullets will be confined to the building.

The dope for sick fowls will be by the neck and hatchet route. Every ounce of grain will be scattered in litter and the litter will be changed often. The fowls will perch on the first floor above the basement and up near the ceiling. The air chute in center of building will constantly carry off foul odors. At the south windows there will be dust and sun baths.

If you come to Clay Center after June 1, 1910, I can show you an ideal poultry business. My factory, residence and poultry plant are in full view of the railroad depot.

While common eggs are selling at 30 cents, I hope to get from 40 to 50 cents for them in handsome cartons. Instead of selling older fowls just as they are we will fatten them; will not tolerate a setting hen, will not buy fowls, and will not be bothered with vermin.

Reader, there are other money mak-



MAY'S "FIRST OF ALL" TOMATOES

Have You Tried Them?
Never Get Home Use
Free From Hard Core

Matures a week to 10 days ahead of any other known variety; fruits of good size, smooth, solid, bright red color and finest flavor. Although a large number of so-called early sorts have been introduced of late years, on test—side-by-side—not one has equalled FIRST OF ALL for earliness, hardness, size and uniform shape.

Price, Large Packet, 10c. Ounce, Postpaid, 40c.
FREE BOOK "Northern Grown Seeds, Plants, Bulbs, Fruits and Trees." Contains all the good things for the Garden and Farm worth growing at the right prices. Write today.

L. L. MAY & CO., St. Paul, Minn.

We Buy and Sell
All Kinds of the

BEST
FIELD AND GRASS
SEEDS

Alfalfa, Millet, Cane, Clover, Timothy, Kaffir, Popcorn, Seed Corn, Grass Seed, etc.

Write for prices on any quantity.

J. G. PEPPARD
 1112-17 W. 8th St., Kansas City, Mo.

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For Our Big
Free Seed
Catalog

Our Motto:

"A Satisfied Customer Brings Two New Ones"
 Our Aim: Absolutely dependable seeds and prompt delivery. Write today for big free catalog describing full line of Garden and Field Seeds, Garden Tools, Spraying Outfits, Beekeepers, Poultry Supplies, etc.

T. Lee Adams Seed Co.
 Dept., B Kansas City, Mo.

SEEDS FREE 9 LARGE PACKETS

BIGGEST SEED OFFER EVER MADE
 Send 10c for packet of our wonderful Earliest Tomato and receive four 10c PACKETS FREE of our latest Improved varieties: 1 each Cabbage, Cucumber, Melon and Pepper. Also 25c cash certificate for 5 free packets, your selection, or apply as 25c cash order. Send 10c today and receive all above. Our big 100-page catalog free. Address
A. A. Berry Seed Co., Box 305, Clarinda, Ia.

ONE CENT Postal Card with your name and address will bring you our 1910 illustrated Seed Incubator Catalog. State which one you want, High-Grade Alfalfa and Seed Corn a specialty. Agents for Old Trusty, Petunia and Mandy Lee Incubators and Townsend Trap Nest. Write
CENTRAL SEED CO., Wichita, Kan.

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

\$4.50 Buys the Best Brooder Both Incubator and Brooder, Ordered Together—Cost You Only \$11.50—Freight Prepaid

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

Order a Complete 140-Chick Belle City Hatching Outfit. Send only \$11.50

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Incubators and Brooders



140-Chick Belle City Brooder Only \$4.50



We Ship Quick from Buffalo, Kansas City, St. Paul or Racine

140-Egg Belle City Incubator Only \$7.55

for both Incubator and Brooder—freight prepaid when ordered together. You'll surely need the brooder, too. So make the savings. Satisfaction Guaranteed or money back. No risk, however you order. The editor of this paper knows me to be responsible—I've advertised in this paper for many years and treat my customers liberally.

I've always given my customers more for their money than any other incubator manufacturer in the world—that's why we do so much business.

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

Complete Hatching Outfit Only \$11.50

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

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

ing ways to raise poultry. In my place I am fitting things to the conditions. I have a farm a half mile away where we raise lots of poultry. They run all over the farm, but the ground that I am turning into a poultry plant is just across the street from our house. Wife and I can personally superintend the management of it. We expect to make money, but that is not all. We will get a lot of pleasure out of it.

I have never tried a poultry building such as I have described; have never even seen one, but I feel so certain about it that I hardly call it an experiment. On the farm where there are two large stock barns besides the poultry shed for the hens, they are doing well, but in my new undertaking I propose to make a great effort to get lots of winter eggs.

About April 1, depending on the weather, we will let the hens out. We will need to be careful when making this change, and should there come stormy weather again I will keep them enclosed again. As sure as you live, hens with cold feet or exposed to cold storms, do not do as well as those that are protected. By May 1, the snows are over and the mud and winds are not so cold.

I am aware that it is generally conceded that 1,000 fowls are too many in one bunch. I am also aware that it is conceded that the colony plan is the best, but as I have already stated, my plan is not entirely an experiment. The whole or at least most of the secret is in having pullets of the right age and making spring time conditions out of winter. The failures, the hundreds of them on this plan, invariably start out with hens of all ages. In many instances they are gathered up here and there, loaded with disease and vermin, and instead of killing sick fowls they are doped with remedies and eventually the premises are contaminated.

But my plan will be to raise the pullets. They will be free of vermin and disease. They will grow up accustomed to the place, and the sanitary conditions will be such that disease will not breed of its own accord. I wish I could tell you ahead of time and for sure how it will work out. I have confidence in it. In any event I will not doctor them to death. If I find after a month or two that it is impractical, I can then make a change and still have a healthy flock to keep in the more ordinary way.

I figure that it will keep a man busy to look after the work. I also figure that it is possible to make hens average 200 eggs in 12 months, then they will sell on the market for as much as the feed has cost, leaving the eggs as profit. There will also be a source of profit in the cockerels and cull pullets as broilers. The plan will be to have the layers occupy the whole building until April.

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 16 or \$5.00 per 45 and I prepay expressage to any point in the United States.

THOMAS OWEN,

Topeka,

Kansas.

HOVER CLOSE-TO-NATURE BROODER



A scientific invention very close to nature. Three life principles found in no other: Warmth by Conduction; Ventilation by Induction; Non-Filling-up by Construction. Brooders for orchard and field and Independent Hovers for instant use in box or shed. Not playthings or dollar



'Systems' but big double brooders and Hovers. Practical and successful. Double tops; triple floors and many other great improvements. Need little attention. Eminent for the busy man and the farmer. Given a most remarkable reception by scientific and successful poultrymen. Brooder Book Free.

CLOSE-TO-NATURE COMPANY, COLFAX, IOWA.

ZIMMERMAN SEEDS

Fresh and Sure to Grow Tested for Vitality

My fine, new seed catalog for 1910 is waiting for you. Do not fail to write for it. If you have planted my seeds in past years you know you always get your money's worth in Zimmerman's Fresh Tested Seeds. This year's book is not only better than ever, but it is the best and most reliable seed book that will go into the hands of seed buyers this year. Remember we are seed headquarters for the South and West. Buy your seeds from me and make sure of getting the kinds suited to your own soil and climate. It pays to plant Zimmerman's seeds.

Send For Free Catalogue

Everything in Vegetable, Field and Flower Seeds, Roses, Plants, Shrubs and Vines. Accurate descriptions and fine, large illustrations, over 800 of them. Best line of Bee and Poultry Supplies. If you have other catalogs, send for mine too—do it now before you forget it.

ZIMMERMAN SEED COMPANY,
 623 Quincy St. Topeka, Kansas

RATEKIN'S 100 BU. OATS

Ratekin's Big Banner 100 Bushel White Oats—The biggest, prettiest, plumpest oat in existence. Side by side with common sorts they yield 100 bushels per acre where other sorts make but 25 to 35 bushels. Strong stiff straw, sprangled heads; ripens early never rusts, blights or lodges. There is none like them, and when our stock is exhausted there is no more to be had. Samples Mailed Free. Also our Big Illustrated Catalog of farm, field grass and garden seeds. A postal card will bring them to your door. Address,
RATEKIN'S SEED HOUSE, Shenandoah, Iowa.



IF NOT, WHY NOT?

Let me help you in the Poultry Business. Get a Poultry Leader Incubator and Brooder, then you will be sure to hatch and raise chickens. Metal Encased—Safe and Sure—Prices are Lower—85 Per Cent Better Hatches. It's time for you to hurry. Free book ready. Send your name quick. Freight Paid.



EMIL OCHSNER, Sutton, Neb.

SEED SEED POTATOES

POTATOES of all kinds GARDEN SEEDS

Write for Our Seed Catalog. Lowest prices, best grade. We buy Millet, Cane and Kaffir Corn, Sweet Corn, etc. Special Prices on Onion Sets.
HAYES PRODUCE CO., 524-526 N. Kansas Ave. Topeka, Kan.

GRAND SWEEPSTAKES

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

L. B. Clore & Son, Franklin, Indiana.

SEED CORN

Plant Beettcher's Early White Dent, the result of 12 years' careful breeding. Seed all gathered before the freeze. A yield of 80 bu. per acre is not uncommon. 500 bu. selected, graded and shelled. Price \$1.75 per bu. These prices f. o. b. cars. Order now.

JOHN F. BOETTCHER, Helton, Kansas.

The GRANGE

OFFICERS OF STATE GRANGE.

Master, Geo. Black, Olathe.
Lecturer, A. P. Reardon, McLouth.
Treasurer, Henry Rhodes, Gardner.
Secretary, A. L. Hunt, Olathe.
Executive Committee: E. W. Westgate,
Manhattan; O. F. Whitney, Topeka; Geo.
Black, Olathe; A. L. Hunt, Olathe; W. T.
Dickinson, Carbondale.

What It Means To Lead in Grange Work.

The grange has prospered because there have been hundreds of self-sacrificing men and women in all sections of the country who have made it prosper. Their names may not be on the roll of honor and they may not have received the credit that is their due, but they have the consciousness of having done their duty in contributing to the success of a noble cause. We always think of these persons as patriots when a comparatively new member, who perhaps never lived on a farm except temporarily and would hardly know a crop of alfalfa from a crop of turnips, and who perhaps has never attended a half dozen meetings of a subordinate grange, fails to appreciate the real meaning of true grange, writes a New York member.

It means a great deal to be leader in this great work either in a subordinate, Pomona or state grange. It means a sacrifice of time and effort that would command good pay in a business or profession. It means the giving up of the comforts of home life and the opportunity to make money upon a farm or in other vocations for the purpose of doing patriotic work and rendering patriotic service in an organization that is accomplishing more for the mental and moral uplift of the American people than any agency outside the church and school. It means a great deal to be a leader in such work and to perform the duties that may be assigned to any office of high or low degree. It means the deserved appreciation of all who receive the benefit of the organization.

We are constrained to write these things because of the existence of the idea among some misguided people that an office in the grange means simply the honor attached to it. There is no honor attached to any office when the occupant fails to perform the duties of the office. Honor goes with an office in the grange as elsewhere only so far as the loyalty and energy of the occupant warrants. On the other hand, there are hundreds of deserving men and women in the grange who have devoted years of work to the welfare of the organization, who have to take their reward in the consciousness of having done their duty and aided in the uplift of humanity rather than in any recognition that is accorded them by those who have derived benefit from their labors. Such patriots are found all over the country and the present prosperous condition of the grange is due to the efforts of such members. They have made all sorts of sacrifices to promote the interests of the subordinate, Pomona or state grange which honored them. On the other hand there can be found officials in the grange who will not sacrifice personal comfort or personal business to promote the organization in which they have accepted leadership. Such officials are entitled to no credit for the success of the organization. Their sympathies and influence, so far as they go, may be right, but they are too much engrossed in business affairs to push the grange cause. The other class who have sacrificed and are now sacrificing much for the welfare of the grange, even in the little subordinate granges of the land, are entitled to all the thanks that a generous American people can bestow and a loyal membership can accord.

American Country Ways.

From the best data we have it seems that all of the United States, except Alaska and our island possessions, had 2,151,570 miles of wagon roads in the year 1904. Of these only a minute fraction more than 7 per cent were called improved. This betterment was by means of realigning and grading, by draining and

bridging, and by surfacing with material intended to make the roads dry and hard at all seasons, therefore easier and more durable than ordinary earthen roads can well be.

Thus it appears that we had, that year, about three-quarters of a mile of wagon road for each square mile of land in the territory mentioned, or about six feet of road for every acre of land. For each mile of such road there were 35 people in this country. That is, for each of us there were 151 feet of wagon road of all characters, but less than 10.7 lineal feet of improved road per capita. In fact, for each mile of improved roads in the country we had 494.9 people.

In the year 1904 the work done on all these roads was valued at \$79,771,418. This equalled \$37.07 per mile, or \$1.05 per capita of population—two cents a week for each of us. Many a frugal shopgirl spends as much daily for gum.

Lack of such improvement as our roads need compelled us to pay, in the year 1907, much more than we should have been made to pay for about 196,153,000 tons of farm products, not including any of the many thousands of tons of fruit, of vegetables other than potatoes; none of the millions upon millions of gallons of milk; none of the myriad millions tons of wood, nor any of the other products hauled from field or forest to market. Nor does it include any of the hundreds of thousands of tons of fertilizers and of feed, or lumber, coal and wire, of machinery and other things taken from town to the farm.

We have been told by authorities that the American farmer loads an average of a little more than 2,000 pounds on his wagon and draws it 12 miles at a cost of \$3. This equals 25 cents a ton mile. If we assume that the wagon load is an even 2,000 pounds, and that the cost of hauling will be \$2 instead of \$3; and if we assume that the 9,404,430 persons in agriculture in this country use half of the products of our farms, and that the other 66,568,350 persons use only the other half of these products, the cost of taking these to market would be \$196,153,000.

Many tests have shown that loads may be drawn in wagons over macadam in average condition at a cost only a little more than one-third that of moving like loads over earth roads in ordinary condition. If this is correct, a saving of \$130,768,680 might be made in the cost of marketing half our crops of a year, if they could be hauled over macadam rather than over common earth roads. That saving would be \$1.72 apiece for us, or much more than all our roadwork for the year costs.

But macadam roads cost much money. Still, it may be that the first cost will concern the American people less than will the question: What will the investment in good roads actually pay us? Of course everybody knows that this nation can get, at moderate rates of interest, all the money it will spend on improvements which will pay interest and sinking fund, if the financing were done honestly.

A saving of \$130,768,680 per annum would be enough to pay 4 per cent interest and 2 per cent sinking fund on \$2,179,478,000. That would be enough to build 243,000 miles of good macadam, and in 9 years such amount could macadamize every mile of road in the land.

This is a peaceful nation, but in the decade ending with 1906 it spent for war purposes \$2,021,390,306, or forty-three times as much as was allotted to agriculture. Yet our farms have for generations been our most effective defense against the aggressions of other nations. No power dare to war on us so as to check the flow of the mighty river of life-giving products that flows from America to feed the whole world. Europe could not permit such stoppage and live. A mere threat to do so would insure peace.

Do not justice to the farmer, consideration for the welfare of all consumers, and plain common sense demand that this nation shall spend to make its wagon roads good at least as much money each year as it now spends on its waterways.—Edward D. Perry in the National Grange.

Don't Kill The Hen That Lays The Golden Egg

By setting her to hatching chicks. You can't afford it. Keep your hens busy laying and let the Fairfield Incubator and Brooder hatch and raise your chicks for you. They will do it a lot better, easier and cheaper. The Fairfield never leaves the nest in the middle of the hatch like your hens and some inferior incubators do. It's the world's best hatcher—my customers say so. Let me prove it to you at my risk.

I Want You To Try My Incubator Two Hatches FREE

Try the Fairfield first before you buy any other style or make. You can do it if you wish for two hatches free at my risk, in your own home with the money in your own pocket. It's the safest way to test our incubator. The sure way to get what you want.

Write Today For Catalog and FREE TRIAL PROPOSITION—Don't Buy Until You Get It.

My New Fairfield Incubator

Will give you the largest hatches and healthiest chicks. It's the "World's Best Hatcher."

That's what my customers call it. Their experience has proven it to be all that for them and you too. Now isn't that the kind of incubator you want in your poultry business? Just let me send you a Fairfield to try for two full hatches free in your own home. I guarantee it to give you bigger hatches and better chicks than any other incubator made, or your money back and I will pay the freight. You can't beat this offer anywhere. You can't beat the Fairfield Incubators and Brooders at any price. Let me prove it to you at my risk. Write for catalog and special free trial offer today.

No Incubator on the Market Like Mine. The Fairfield is made out of California Redwood, Copper Steam and water patented heating system. Perfect regulator. Best lamp in any incubator made. Large roomy nursery and egg chamber. Double doors. Unobstructed top. In every way as good an incubator as you can buy at any price. Our direct-to-you-price saves you one-third to one-half. Write for new catalog and special offer today. Address

Sam Thompson, Pres., Nebraska Incubator Co., 177 Main Street, Fairfield, Nebraska.

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

Does the Cows a Heap of Good



Cow comfort and cow sanitation result in more cow profits, and that alone should induce any farmer or dairyman to seek these conditions. Louden Sanitary Steel Stalls and Stanchions double the light and air in a barn and insure perfect ventilation, perfect sanitation—a result impossible with any wooden equipment. Yet

LOUDEN STALLS AND STANCHIONS

are actually cheaper. Louden stalls of heavy tubular steel, with malleable fittings, have no flat surfaces for dust to accumulate—easy to keep clean and almost indestructible. Louden stanchions give cows more comfort than other makes, yet keep them perfectly lined up. Throat chains prevent cows from lying down when milking. Simple and very durable. Latch easily opened or closed with gloved hand, but can't be opened by animal. Send today for free catalogue of sanitary, money-saving barn equipment.

LOUDEN MACHINERY CO. 639 Broadway, Fairfield, Ia.

WHEN BUYING A CORN SHELLER.

Insist on Clean Shelling, Thorough Separation, Large Capacity and Lasting Qualities. These are Distinctive Features of:

The NEW HERO

2-hole and 4-hole Custom and 2-hole Farmers' Positive Force-Feed Shellers. They have Chilled Working Parts and other points of strength and convenience. We make Horse Powers, Wood Saws, Huskers, Farm Trucks, Manure Spreaders, etc. We guarantee our Goodhue Wind Mills for five years.

APPLETON MFG. CO., 19 Fargo Street, Batavia, Ill., U. S. A.

FROM FACTORY TO USER

The Perfection is guaranteed to be the best cleaner, separator and grader on the market. Mr. F. D. Coburn, secretary of the Kansas State Board of Agriculture, says of this machine: "It is nearer perfection than anything of the kind I have ever seen, and far more so than I had supposed possible. I couldn't have believed it without seeing it." Heretofore the jobber has handled this machine. We now propose to sell it direct to the user, thus cutting out the profits of the middleman. Write us for particulars.

THE JENSEN MFG. CO., TOPEKA, KAN.

Anti-Friction 4-Burr Mills Double the Capacity of Geared Mills.

Two-horse mill has 24 ft. grinding burrs (Two set) all grinding at once, and grinds from 25 to 50 bus. per hour. Four-horse mill grinds from 60 to 80 bu. per hour—80,000 BU. WITH ONE SET OF BURRS. I have ground with one set of burrs more than 30,000 bushels of corn with my Mogul No. 1 mill and the burrs are still in good condition.—F. F. Craig, Mt. Carroll, Ill.

Two complete mills in one, has double the capacity and double the durability. ABSOLUTELY NO FRICTION OF GEARING. Will earn cost price in three days. The largest ears of corn to these mills are like popcorn to other mills. We manufacture the most durable and fastest grinding line of mills sold, including our FAMOUS IOWA NO. 2 for \$12.50. Send for our free Catalog.

Bovee Grinder & Furnace Works, 118 8th St., Waterloo, Iowa.

Improved Simplex ROAD MACHINE

WORKS LIKE A SULKY PLOW—ONE MAN RUNS IT. Arched Frame—No Clogging. Full size polished blade 7 ft. 2 in. Four Flanged Wheels—No Skidding. NOT EXPENSIVE. The only two-horse machine strong enough for four horses. Sold on Free Trial. Write for price Delivered.

RUSSELL GRADER MFG. CO. 2442 UNIVERSITY AV. S. E. MINNEAPOLIS, MINN.

Buy the Sure Hatch Bonded INCUBATOR

It is best to buy this Bonded Incubator because you are absolutely certain to be satisfied with it and with the results it produces.

Sure Hatch Incubators

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and Almanac for 1910 has 224 pages with many colored plates of fowls true to life. It tells all about chickens, their prices, their care, diseases and remedies. All about incubators, their prices and their operation. All about poultry houses and how to build them. It's an encyclopedia of chickendom. You need it. Only 15c.

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The Grange—A Character Builder.

In the formation of exalted character the Grange claims precedence over all other agencies existing in the rural sections of the country, and it may be said, without disparagement to other lines of Grange work, that it is the crowning feature of this great organization. The financial and legislative achievements of the order contribute to man's material surroundings, and enable him to enjoy a larger measure of the world's comforts, and to provide for wife and home a larger share of what the harvest yields, but the influence of the Grange in building noble character and in contributing to the development of a noble manhood and womanhood, especially among the rising generation, has the right to be considered the highest object of all. True character is of more importance than wealth, and the mind and heart are higher in the scale of human existence than the frame in which they are held, and which is only of momentary importance.

The comparative isolation of farm life and the inherent tendency of people leading, to some extent, isolated lives tends to blunt the finer sensibilities of mind and heart, and, while it may not induce moral decay, will cause failure to develop the spark of intelligence and intuitive moral qualities with which every human being is endowed. In order to avoid this there must be contact with people, and a general commingling of thoughts and expressions under the benign influence of an uplifting and progressive agency. People of like moral perceptions can associate together in a society having moral development for its object, and each contribute to the other's improvement.

When various grades of mental and moral attainments associate together with the development of these qualities as a leading object, and the formalities required and ceremonies observed tending thereto, there can be but one result and that is the domination of the better element over the other, leading to the formation of character and the elevation of all in the scale of true manhood and womanhood. On the other hand, the association of various kinds of people with no elevating object in view, but simply the gratification of their desires in mind, the bad will triumph over the good and mental and moral degeneracy result. Association under these conditions is sure to lead in the wrong direction, but when people come together in the Grange and participate in or listen to the teachings of its ritual perform the part in the literary exercises assigned by the lecturer, conform to the laws of the order and the edicts of the master, and with these thoughts fresh in mind enter into social and mental enjoyment before the meeting and after its close, there can be no greater influence for uplifting humanity, and there can be no grander work in the organization. There are those who are inclined to underestimate the influence of the organization in such matters. They regard the mission of the Grange, in financial matters, by which money is saved in the purchase of supplies and the sale of products, or in legislative matters, by which wise laws are enacted and unwise laws defeated, as the great work of the order, forgetting that "mental and moral worth rank before worldly wealth or honor, and that only by the development of the mind and heart can the husbandman claim to belong to the only true nobility of the land." It is highly important that this feature of Grange work be emphasized in state and subordinate Granges, and that our glorious Order be regarded as of more importance than simply for the promotion of financial matters.

In order to secure this it is essential that state, Pomona and subordinate Granges have a true conception of the relations existing between different features of Grange work. The assertion sometimes made by overzealous or critically disposed members that the Grange is not accomplishing its mission because it is not making great stir in financial matters, or is not carrying everything before it in legislative matters, should have no weight with intelligent people, for so long as it is quietly and systematically building character and enabling its members to exert influence and power in raising the standard of honesty and virtue in rural communities, it is accomplishing its grandest mission and performing a duty that entitles it to the respect and esteem of intelligent people everywhere.—National Grange.

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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 days' 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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Wm. Galloway

FASHIONS



8573—An Attractive Waist.

One of the most attractive of the season's styles is shown in this smart model. The right front laps over the left in pointed outline, and is fastened by a single large button. The neck opens in front over a dainty chemisette, which may be of lace or embroidery. A deep plait in Gibson effect extends over the shoulders and is stitched in front and back. Voile, pongee, foulard and linen are all suitable to the design. The pattern is cut in 6 sizes, 22 to 42 inches bust measure. Size 36 requires 2 yards of 44 inch material.



8584—Pretty Style for Miss or Small Woman.

Simplicity and grace distinguish this model, which is closed at the center back, and is cut in rounded yoke outline. Bands of material in self color and button trimmed may be applied as illustrated. Checked woolen in brown with piping of red or green taffetas and buttons to match will develop this design effectively. The pattern is cut in 3 sizes, 14, 16, 18 years. It requires 4 1/2 yards of 24 inch material for the 16 year size.



8606—Ladies' Dressing Sacque.

A few comfortable dressing sacques are absolutely necessary to a woman's comfort. An exceedingly effective development was made from the design here shown, in blue French flannel with white stitching for a finish. The model is equally appropriate for lawn, dimity, flannelette or silk. The pattern is cut in 6 sizes, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42 inches bust measure. It requires 4 1/2 yards of 24 inch material for the 16 year size.

42 inches bust measure. It requires 4 yards of 27 inch material for the 36 inch size.

8543—A Pretty Morning Dress.

For morning wear there is nothing that quite takes the place of a comfortably fitted wrapper. This one is cut on excellent lines, and is adapted to a variety of materials. The front fullness is laid in fine tucks to about yoke length, and a round collar completes the neck. Full length sleeves ending in narrow bands or shorter ones finished by a frill of lace are both included in the pattern. The fullness is held in place around the waist by a ribbon tied in front, but a belt of the material will do as well. Cashmere, challis, albatross and percale are all suitable for reproduction. For 36 inch bust measure 3 yards of 36 inch material will be required. Sizes 22 to 42 inches bust measure.



8623—A Practical Work Apron.

Cut in three sizes, small, medium, large. The medium size will require 4 1/2 yards of 36 inch material. The busy housewife, or the woman who has little duties to perform about the house, will know the advantage of a protective work apron such as the one here shown. The making is a very simple matter as will be seen at a glance and may be easily and quickly accomplished. Generous pockets are attached to the skirt and the sleeves are full enough to accommodate the dress sleeve worn underneath. Linen, gingham and percale are all suitable for the development.



8621—Girl's Princess Dress Closed at the Left Side of Back.

A new and modish style for mother's girl. A very effective and simple model is here shown. The waist portions are lengthened by plaited section to meet the front and back panels. The neck opening may be square and filled in with a tiny yoke of contrasting material or finished with a standing collar. This design will develop ef-

fectively in blue serge with military trimming of braid and gilt buttons. The pattern is cut in 5 sizes—6, 8, 10, 12, 14 years and requires 3 1/2 yards of 36 inch material for the 8 year size.



8633—Ladies' Princess Slip.

A desirable petticoat slip. With the vogue of semi-transparent dress fabrics, it becomes almost imperative to wear a slip or Princess petticoat underneath. It may be of silk, satin, nainsook, longcloth or saten. It takes the place of both corset cover and underskirt. The design is simple and can be developed at home at about half the cost of a ready made slip. The pattern is cut in 6 sizes, 32, 34, 36, 38, 40, 42 inches bust measure and requires 8 yards of 36 inch material for the 36 inch size.



8626—A Unique and Distinctive Model.

This design shows a very pretty development of the now so popular "Moyen" dress. Its simple straight body lines and plaited skirt portion are adapted to the growing child as well as to her little sister. The design may be made without the shield. It is suitable for any of this season's fabrics. The pattern is cut in 5 sizes, 8, 10, 12, 14, 16 years, and requires 4 1/2 yards of 27 inch material for the 8 year size.

8617—Ladies' Shirt Waist.

This smart looking waist is one of the many variations of the new tailored models. It is made with groups of narrow tucks between Gibson plaits over the front, the back has tucks over the center. Linen, madras, pongee, albatross, or French Flannel, also moire is very appropriate for its development. The pattern is cut in 6 sizes, 32, 34, 36, 38, 40, 42 inches bust measure and requires 3 yards of 36 inch material for the 36 inch size.

8595—Girl's Dress with Front Gleeing.

This is a style that promises to become popular because it is easily adjusted, besides being graceful and becoming. The waist is tucked over front and back. The revers may be omitted, or it may be of contrasting material. The skirt is plaited under the belt that joins it to the waist. simple band cuff. Red cashmere with trim-



simple band cuff. Red cashmere with trimming of black soutache will look well in this model. The pattern is cut in 5 sizes.



6, 8, 10, 12, 14 years, and requires 3 1/2 yards of 36 inch material for the 10 year size.



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Silos and Silage.

The article in a recent KANSAS FARMER did not explain what I wanted to know. The question of silos and silage is one in which I am very much interested. There are many farmers, who, like myself, have had no experience, would like to know the method of preserving feed green and fresh, by the most improved method. Having this information we would then be able to build our silo. I feel sure that in the east pits are made in the ground and in some places this can be done cheaper than to build it all above ground. I would like to have proper instructions.

I would also like to know if any of the readers of KANSAS FARMER have succeeded in making the salt bush grow, or produce foliage, in this part of the country, if so, how was it done?—S. E. Barton, Cimarron, Kan.

Perhaps we misunderstood our correspondent's request, and took it for granted that he already understood the process of ensilage making. Briefly, the whole process is one by which green crops of any suitable kind may be preserved in a succulent state for use as animal feed. Corn is accepted as the best crop from which to make ensilage. This should be grown until the corn is just going out of the dough stage. It should then be cut into suitable length with an ensilage cutter and thrown into the silo where it is spread and tramped into place. Like any other green material that is thrown together in large volume, the corn thus prepared will heat and this heating serves to cure it so that it will keep indefinitely. The process is simple enough and is somewhat analogous to the making of sauer kraut for human food. After the ensilage has gone through the process of heating, it is juicy and sweet, with a pungent odor. It is very acceptable to all classes of live stock, and has been found highly valuable in the quick production of baby beef or pork, though it is better known and more highly considered for use in the dairy herd. There is no question about its value or its economy. It is the nearest approach that has yet been made to the artificial creation of the conditions which exist when cattle are on June grass. It is true that pit silos have been built and used successfully, but I think it is also true that the stave silo has been found to be the most economical and satisfactory of any form that has been devised.

Will some subscriber kindly answer the inquiry in regard to the salt bush, and we should be glad to hear from other subscribers who have had experience with the silo and the feeding of ensilage.

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For spring delivery apple, pear, cherry, plum, peach, apricot and quince trees. Gooseberry, currant, blackberry, raspberry and strawberry plants. Rhubarb, asparagus, catalpa speciosa, black locust, maple, mulberry and hedge plants. Evergreens and roses. If in need of any of above stock write us. I have official Kansas and Oklahoma certificates of inspection.

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Well then, won't you take my advice, accept my invitation, fix it any way you choose but get your name onto a slip of paper or a postal card and send it to me. Not next week—not next Saturday—not tomorrow. Do it quick. Now is the time—Now. Then you'll be ready for the spring work.

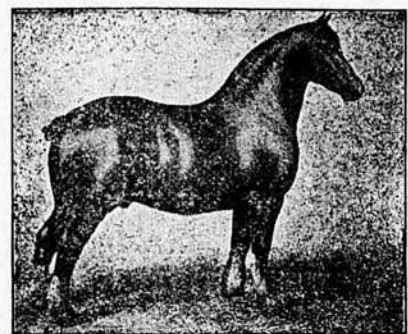
By the way, ask for my proposition. It might pay for your spreader before the year is half done.

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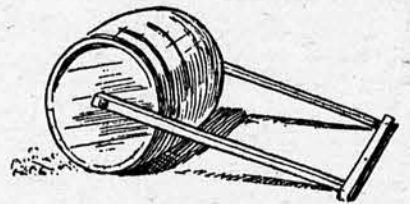


HORTICULTURE



KANSAS FARMER has always urged that it is a serious waste of good money to buy poor seeds of any kind. This will apply as well to trees for the orchard. Do not buy trees because they are cheap. They are not cheap. Every man who is doing an honest, legitimate business is entitled to the profits he can earn. If you need trees for the starting of a new orchard or for replacing old ones buy only from nurseriesmen with established reputations who will send you trees that are true to name and that will grow. It is extremely disheartening to buy fruit trees and learn after years of care that you are growing something you did not want and did not pay for. There are plenty of good nurseries in Kansas and nearby states where you can get exactly what you want and by patronizing them you will not only get better trees that will develop more rapidly, but you will get what you pay for.

can be selected of such quality to permit of its being partially filled with water, or a cheaper barrel could be partially filled with sand to give added weight to it. In this connection it is suggested that with very little more work and almost no more expense, a very satisfactory roller can be made of cement concrete and mounted in a similar manner. This, while it requires more trouble to build, is more satisfactory in every way, as it will last longer, have a greater weight, and a straight crush-



The Botanist of the New York Experiment Station states that the potato crop of that state was absolutely free from late blight last fall and that potato growers are assured of a blight-free crop in 1910 provided they use only New York grown seed. The Maine Experiment Station challenges this statement and announces that sound tubers from fields which have shown late blight and rot are no more dangerous as carriers of the disease than tubers from fields upon which the disease apparently was not present. In those parts of the country where weather conditions are favorable to the spread and propagation of late blight, thorough, efficient spraying with Bordeaux mixture is the only known representative of the disease. Given that, seed may be taken from any locality that has vigorous stock. In this connection it may be remarked that this discussion with regard to late blight in Maine does not concern most of the localities farther south where the majority of Maine seed is shipped. The climatic conditions there are such that in many of these localities late blight seldom if ever appears in such amount as to cause any damage, regardless of where the seed was produced.

Water Suitable for Irrigation.

We have a well which we wished to use the water for irrigating and for watering in greenhouse. We had the water examined and it was found to contain a large amount of iron compounds part of which were precipitated on evaporation. There is also a considerable amount of calcium present in the form of sulphate, and a trace of carbonate. Chlorides are present in small amount, nitrates and phosphates are absent and only very small amounts of magnesium compounds are present. Thereon is the characteristic feature and seems to be present both as carbonate and sulphate. The total solids amount to 7,3496 grains per United States gallon. We would like to know if this water will do for irrigation and greenhouse watering. We have used this water on a small patch of lettuce in the greenhouse this winter and haven't seen any bad effect yet.—J. A. Carter & Son, Galena, Kan.

I see no reason why the water described should not be suitable for irrigation. The total solids present are not large. Iron would probably do no harm. If used in the greenhouse as a spray it would probably discolor the foliage, but on plants that are grown through but a short period this might not amount to much.—Dr. J. T. Willard, State Agricultural College.

A Home Made Garden Roller.

A subscriber suggests that a simple device made from a barrel and mounted with handles as shown in the illustration herewith will prove immensely satisfactory to farmers and gardeners who need a roller for small areas which can not be reached with the ordinary field roller. The barrel

ing surface instead of the bulge of the barrel. In building a concrete roller it is best to saw out circular boards the exact size of the ends and bore a hole in the exact center. through this hole the iron rod or gas pipe that is to be used for the axle may be placed, and the two ends connected together at such a distance apart as will represent the length of the roller by nailing on lathe or other narrow sticks of lumber. When this has been done and a small opening left in one side for the placing of the concrete, it may be filled and allowed to stand until set. Concrete for this purpose may be mixed by using one part of good Portland cement, three parts of sharp, clean sand and five or six parts of broken stone or gravel. If a smoothly finished surface is wanted, a richer mixture should be made of one part cement and one-half parts of sharp sand, which may be applied by use of a trowel after the concrete has hardened enough to permit of the removal of the frame work. This, however, is not thought to be necessary.

Orchard Protection by Heating.

The Nebraskan is very much interested in the methods in use in Colorado for orchard heating. It is also interesting to note the hearty unanimity which prevails through the entire community at critical periods. The banker, the professional man, the business man, the residents of the towns, place themselves at the service of the orchardists for the time being. The owners of automobiles telephone to the orchardists their readiness to place their machines at their service to bring out help from town. The weather service warns of approaching changes in the weather and gives prompt and ringing notice of impending danger. In the Grand Junction district, some 300,000 heaters were used during the past season and for a distance of many miles a considerable portion of the orchards were thus protected.

At Fruita, Colo., J. C. Wilson reported he used 40 heaters per acre, others used as high as 60, 70 or 80 heaters per acre. Mr. Wilson at 10:30 in the evening of the dangerous night lighted every other pot; by midnight he had raised the temperature 5 degrees and then started all of the pots. Three dangerous nights were reported. For the protection of 11 acres of orchard, Mr. Wilson used \$23 worth of coal. It should be borne in mind, however, that with him coal is only \$1.75 per ton. In considering the cost of what style of heater to use, much depends on the nearness to the coal bank. Where coal can be purchased at \$1.50 to \$2.50 per ton, many firms seem to favor the use of coal, when the coal banks are more distant, coal more expensive, many favor the use of the oil heaters, feeling that it is easier to fill the oil pots and to replenish the fuel than to maintain the requisite degree of heat by the use of coal baskets or pots. On the other hand, the use of oil requires storage tanks and wagons suited to the hauling of oil; special facilities to be prepared for the use of oil heaters.

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The only collar that fits itself perfectly to your horse's shoulder. You will be through with shoulder galls, through with losing time and money by having horses laid up when most needed—through with buying collars so often, if you insist on "UNO" collars.

"UNO" collars have a heavy facing of Young's Uno self-conforming mixture (a yielding, pliable facing that fits itself to the shoulder), backed by selected long rye straw—have double strength throats giving double strength where common collars are weak—heavy, smooth sole leather tops—solid serviceable rims—all parts made of pure bark tanned leather cut from best part of the hide—all shapes and sizes, \$3.75 to \$5.00 each.

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Send us the name of a harness dealer who does not handle "UNO" Horse Collars, and we will send you a beautiful pair of Nickel Embossed Bridle Rosettes FREE.

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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 \$470,000,000.00 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 cities, 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.

J. S. CRAWFORD,
125 W. 9th St.,
Kansas City, Mo.

In the use of the heater, it is regarded as quite important that ample preparation should be made before hand, so that whenever the critical night comes everything is in complete readiness for instant and effective work. Dependence is placed, not alone on the actual heat produced by the combustion of the oil or coal, but partly on the pall of smoke which, when all the heaters are at work, is so dense throughout the orchards as to in many cases obscure the light of the fires. A very dense pall of smoke hanging over the orchard lessens the radiation or loss of heat produced by combustion of oil or coal and this pall of smoke hanging over the orchard until two hours or more after the sun rises prevents the warm rays of the morning sun shining on the fruit or bloom and in that way is of marked use in preventing harm from cold waves. Effort is made to maintain a temperature not below 30 degrees, a higher temperature preferred if possible. It is considered possible by judicious and careful use of 40 to 80 heating pots to raise the temperature on cold nights 6, 7 or 8 degrees. A larger number of pots would develop a higher temperature. The number of pots to be used per acre depends on the size of the pot and the amount of coal or oil consumed therein. Some firms prefer a smaller pot, using 80 per acre, and others the larger pots, using 40 to 60 per acre.

It is fortunate under the community of interest so apparent in the orchard districts in western Colorado that each and every man regards himself at the service of the orchardist and it is, therefore, possible to procure at critical periods excellent help. Some of the town people will not accept payment at the time for the help so rendered. The orchardists, in that case, remember them in the fall of the year with sundry barrels of apples. It is apparent, also, that a district solidly planted to orchards is more susceptible of protection than scattered orchards, miles apart. It is also apparently true that in western Colorado cold waves come with very little wind. The wind velocity of those districts is so light at these seasons of the year that there is rarely sufficient wind with the cold wave settling upon the orchard to blow the heat out of the orchard. In other districts where the freezing temperature comes with a strong north wind, less favorable results would be secured by heaters and a greater number would be required.

Amount of coal necessary to maintain a temperature of 32 degrees. Orchardists give widely varying reports, gauged no doubt, from the atmospheric conditions and the longer or shorter period needed to maintain the heat. J. J. Silva, foreman of the Peaona orchard, reports that the first night he used 17 tons of coal for 1,525 pots burning three hours. The second night he used 43 tons of coal for the same number of pots burning seven hours. This gentleman used coal pots at the rate of 40 per acre. This would show that on a cold night with seven hours firing the amount of coal consumed would be about one ton per acre. Coal is very abundant on the western slope of Colorado and is usually worth \$1.50 to \$2.50 per ton at the mines. In many districts it can be had within team hauling distance.

Oil heaters. Oil in Colorado at the refinery is worth 3 1-2 cents a gallon in tank cars. A tank car holds 6,000 gallons and is regarded as a suitable quantity for an orchard of ten acres. The oil has a fire test of 295 degrees, gravity of 31-31 1-2. A storage tank suitable for 6,000 gallons of oil will cost about \$240, a wagon tank for use in transporting the oil from the car to the storage cistern and again from the cistern to the pots would cost at \$50. Whether the orchardist should use oil or coal depends largely on the cost of coal and the comparative cost of oil. The manufacturers of oil heaters claim that heating with oil is more convenient. Orchardists who have used coal express their preference to the use of coal, it costing less to "prepare for the use of coal than for the use of oil."

Other orchardists have secured beneficial results by saving the branches pruned from the trees, the utilization of stable litter, damp straw and the preparation before hand of a considerable number of brush piles, formed of slowly combustible material. In Idaho and in Washington good results have been secured by the judicious use of this crude material.—M. F. Stephens, Crete, Neb.

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Clamps to Any Pump by Four Simple Nuts

This wonderful non-freezing Farm Pump Engine meets the widespread demand for cheap farm power in winter. Runs at 50 degrees below zero! It's a new invention, yet so far has its fame extended that already it is in use in Labrador, in South Africa and other distant lands. Thousands of farmers delighted with it.

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PUMPS 800 TO 1,000 GALLONS PER HOUR!

This engine is absolutely supreme among engines designed for pumping. Fits any standard pump. Works in any well! Provides an abundance of pure, fresh water for stock or domestic water supply systems.

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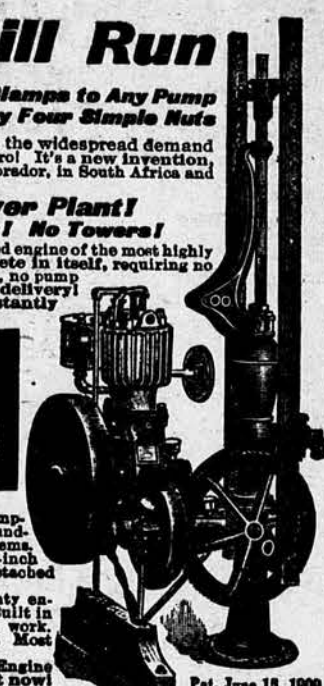
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SAVE from \$50 to \$300 by buying your gasoline engine of 2 to 22-horse-power from a real engine factory. Save dealer, jobber and catalogue house profit. No such office as I make on the class of engine I sell has ever been made before in all Gasoline Engine history. Here is the secret and reason: I turn them out all alike by the thousands in my enormous modern factory, equipped with automatic machinery. I sell them direct to you for less money than some factories can make them at actual shop cost.

All you pay me for is actual raw material, labor and one small profit (and I buy my material in enormous quantities).

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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 man, 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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Then, if you want to keep it, pay me my bedrock, factory price—on easy terms. I think you'll want it for keeps when you know how fast it makes money by giving you clean, graded seed to plant and sell. One means full crops—necessary when land is so high; the other means top prices when you sell. MY FREE BOOK, No. 114, will tell you all about it. Send your name and address, now, so I can make you my remarkable offer. Ask for Book No. 114. Use nearest address.

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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.

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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 land, both irrigated and irrigable, or choice farming uplands.

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

THE BEST OF NORTHWESTERN COLORADO.

Act now and get the benefit of the rapid rise in values.

Some good homestead lands subject to filing.

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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.

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Prowers county, Colorado, offers the best opportunities to the homeseeker of moderate means. Write for information and prices of farms.

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WE SELL THE BEST IRRIGATED LANDS

At \$40 to \$80 an acre up, according to improvements, within 2 to 4 miles of shipping point. These prices include perpetual irrigation water rights deeded with the land. Good title to both land and water or no sale. For further particulars write or see

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Was first prize among standard farm crops in Eastern Colorado, near Denver. One year alfalfa crop more than pays for land now selling from \$15 to \$25 per acre. Wheat, oats, potatoes, do equally well on these low priced sub-irrigated lands. Map of Colorado and alfalfa literature sent free.

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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

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480 acre well improved sheep or cattle ranch, 6 miles from Rocky Ford, 80 acres under ditch and in cultivation, mostly alfalfa. Good 8 room house, complete outbuildings. Price \$15 per acre, 1/4 cash. Several thousand sheep are now being fed on this ranch. Investigate at once if you are looking for the biggest bargain in this valley.

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Platte Valley of Colorado, fine 160 under the old ditch. Price \$100.00 per acre. Owner will guarantee \$15.00 per acre cash rent. Fine 160, all in alfalfa, \$100.00 per acre. Will rent for \$10.00. Fine one-half section at \$75.00 per acre. We have a number of good quarters from \$30.00 to \$40.00. We also have some fine tracts of cheap land, ranging in price from \$10.00 to \$20.00 per acre for colonizing. Raise fine crops under the Campbell system of farming. Write us for prices and literature.

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Perfect title; under one of the largest storage irrigation projects in Colorado, near good town, land is very smooth, and soil of great depth. Price \$40.50 per acre, with good water right. Easy terms.

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We undersell all others in low priced lands in Eastern Colorado, with small cash payments down. These lands adjoin lands now being farmed. Stock ranches a specialty. If you are interested write for free descriptive circular.

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We own and have for sale 3 160-acre tracts, unimproved, nice laying land, 8 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 COUNTY REAL ESTATE CO., Wray, Colorado.

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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, alfalfa, 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.

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

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Colorado Irrigated Land

22,000 acres of irrigated Government land in Southeastern Colorado has recently been opened for entry under the provisions of the Carey act. The State of Colorado has contracted with the Two Buttes Irrigation and Reservoir Company to construct the irrigation works for the reclamation of this tract of land, which is located in Baca and Powers counties, close to Rocky Ford and other proven districts. Water rights are of incontestable priority and title to land comes direct from the State.

Price of Land 50 Cents Per Acre
Perpetual Water Right \$35 Per Acre

Payable \$5.25 per acre cash, balance in ten annual payments. The tract is nearer Kansas City and Mississippi Valley markets than any other Carey act project. Land free from brush and stone, and soil will average 50 feet in depth. Altitude, 4,050 feet; climate best in State; rainfall 16 inches; crops, all grains, alfalfa, sugar beets, vegetables and fruit; no alkali. Local markets for everything.

No agents employed and no commissions paid. Farmers wanted, not speculators.

For particulars write THE TWO BUTTES IRRIGATION AND RESERVOIR CO., LAMAR, COLO.

N. A. Gwin, Lawrence, Kan., and G. W. Troutman, Comiskey, Kan., were each honored with a place on the executive committee of the National Wool Growers' Association at its last annual meeting.

Road machines are made so well and sold at such low prices, and, what is best of all, they are so useful on the farm that no progressive farmer can afford to ignore the idea of buying one. Send to the Russell Grader Manufacturing Co., 2442 University Ave., S. E., Minneapolis, and mention this paper and get full details of their Simplex Road Machine, which is advertised in another column of this paper.

R. D. No. 2, Sterling, Kan., April 19, '09. Dr. B. J. Kendall Co.: Gentlemen—I have used your Kendall's Spavin Cure for Spavin and Curb, also wollen joints, and it has always given satisfaction. Please send me your book. Yours truly, G. W. Boydston.

Benjamin Young, Milwaukee, Wis.: Dear Sir—I am using several of your "One" collars, purchased from my dealer at Waverly, Minn., and have had to drive fifteen miles in order to get them. Have had no trouble with sore shoulders, and they are giving good satisfaction. (Signed) Thos. Graham, Howard Lake, Minn., R. F. D. No. 3.

Farm Bargain Near Fredonia, Kansas.
 Shannon & Harshfield, Fredonia, Kan., have a 160 acre Wilson county farm bargain a short distance from Fredonia, Kan., that is a real bargain; 36 acres in cultivation, 26 acres prairie meadow, 10 acres English bluegrass, 3 acres alfalfa, 5 acres clover, balance pasture, 150 bearing peach trees, 60 apples, 125 grapes and other small fruits; good 5 room house, cistern, 3 hen houses, new barn 24x30, 3 good wells, free gas, near school, R. F. D. The owner wishes to retire. Price \$35.00 per acre. It's a bargain. See further announcement under Kansas Lands.

Guaranteed Seed Corn.

There is no question but what this is one of the worst years the farmer has ever seen, when it comes to seed corn. The corn throughout the northern part of the corn belt was frozen in October, so that it will not grow. Our readers will find that they will do well to investigate their corn and if they are in doubt about it growing they had better buy seed corn from a reliable seed company that guarantees their seed corn to grow, for the germination is very important. We find that the A. A. Berry Seed Co., Clarinda, Ia., has a large stock of choice seed corn, which they sell on ten days' approval, guaranteeing it to be of high germination and satisfactory in every way. We would advise writing them for their 100 page seed corn catalog, which gives a description of all varieties and quote attractive prices. You will find their ad on another page of this paper.

The Burgess Calendar.

Robt. Burgess & Sons, Wenona, Ill., who have been importers and breeders of draft breeds of horses for so many years that their name is synonymous with that industry, have issued a beautiful calendar for 1910 on which is shown their winnings for the year. It would seem from this statement that they took about all the prizes at the Iowa, Minnesota, Wisconsin and Illinois state fairs of 1909, besides getting over 75 per cent of the prizes in the Percheron classes at the International. This firm imports and breeds Percherons, Belgians and Shires especially, and this calendar is adorned with a handsome picture showing groups of their horses. If you want one of these calendars and show that you are interested in big horses by mentioning Kansas Farmer they will try to please you, as they always do please a horse buyer.

A Kalamazoo Direct to You.

Mr. Wm. Thompson, who has made the Kalamazoo Stove Co., Kalamazoo, Mich., one of the best known business concerns in the United States, has decided to sever his connection with the great company which he built. In his announcement of this decision he says: "The company is today in sound financial condition—no debts—plenty of assets—and paying good dividends to its shareholders. The volume of business done by the Kalamazoo Stove Company in the past eight years, the actual record of results, as well as the uncommonly bright outlook for the future, are good evidence that the judgment exercised in advertising Kalamazoo Stoves direct to the user has been sound and fruitful. To my mind no better assurance is needed that the most powerful force in the world of commerce today is judicious advertising in all its phases."

A Catalog Worth \$1.00 Free to All Readers of This Paper.

Mr. S. B. Telfer, who has been an advertiser in this paper for several years, has just published one of the handiest catalogs we have ever seen. It contains beautiful color plates of latest pattern rugs—handsome carpets and signs of lace curtains. Altogether, this catalog contains over 2,000 bargains—real money saving opportunities, a chance for every woman to get the newest things, freight prepaid, at prices that cannot be equalled anywhere.

Write today and get this catalog. It will be sent free, postage paid. Address S. B. Telfer, President Telfer Carpet Co., 802 Walnut St., Des Moines, Iowa.

Do You Know Jim Brown?

There is a man in Cleveland, Ohio, whom the good citizens of that town refer to as "James" Brown, President of the Brown Fence & Wire Company, but several hundred thousand farmers in all parts of the United States call him Jim Brown, the Fence Man. If you don't know him you ought to get acquainted, because Jim Brown is the man who started the fight against the quick-rust wire fence that so many get-rich-quick manufacturers have been shoving off on the farmers in recent years. He's the man who exposed the modern methods of "galvanizing"—which in truth is galvanizing in the name only. He makes a fence which has won for itself the name "The Fence That Lasts", because it is made of heavier wires, has uprights as well as heavy horizontal wires, and because it is not only really galvanized, but is doubly

galvanized. If you own land you are interested in the fencing proposition. Get out your stub end of a pencil right now and write a postal to the Brown Fence & Wire Company, Cleveland, Ohio, Dept. 39 for Jim Brown's Common sense talk on wire fences. You'll be glad you did.

Kentucky Horsemen Go to Minneapolis.

Horse lovers of Minneapolis feel considerably elated over the fact that residents of Kentucky have begun to come to Minnesota for harness horse speed. The direct cause of this feeling is the recent visit of J. R. Nuckolls, a merchant of Kevill, Ky., and Mr. Harris, a wealthy farmer of the same neighborhood. The two men came to Minneapolis to take possession of American Patch, a promising son of Dan Patch, the world's champion harness horse. They found the colt more than they had even hoped for and expressed him to Kentucky Saturday night. Mr. Nuckolls is the proud owner of the "coming champion," as he delights in speaking of him. He won the colt by being successful in the contest recently put on for the dealers of the International Stock Food Company of Minneapolis, in which he had to compete with thousands of men and women all over the United States and in every country of the world.

A New Era in Farm Engines.

Cheap power with the higher scientific degree of efficiency is what the farm calls for. Besides, simplicity of operation is an absolute necessity, for while the American farmer is a natural mechanic, he should not be compelled to devote any great part of his day's time to watching his engine. Naturally operators of engines are too busy to give them much attention and so the engine must be built with the consequent neglect taken into consideration. In fact the farm engine that wins the farmer's regards today must be "trouble and accident proof," as the Fuller & Johnson engine book very sensibly points out. Another point of value to the practical farmer which is strongly stated is that engine value simmers down to engine qualities, which are given as durability, economy of fuel and upkeep, ease of operation, efficiency and the amount of power developed. Little expert aid should be required. The "double efficiency" of the Fuller & Johnson engines is told about in pictures and in the text book. Hundreds of other points are intelligently handled. Any reader can secure the book by simply addressing a postal card or letter to the Fuller & Johnson Manufacturing Company, 736 North Ave., Madison, Wis.

The Real Secret of Successful Hatches.

Mr. Hugo Lemke, one of our hustling, successful business farmers, says he has discovered the real secret of big, healthy hatches. He claims that it all lies in the incubator you use. In a recent letter he says: "I just want to tell you that Queen Incubators and Brooders are the best made. I know what I am talking about, for I have used every so-called 'best' machine on the market. While I could get a good hatch in most machines, I could only raise a small per cent of them, for they were not hatched right. Now, I placed chicks hatched in the Queen, in other brooders and they lived better than those that were hatched in other machines, but if I put the chicks that were hatched in the Queen Incubator in the Queen Brooder, I raised practically all of them. I did not believe before that this could be done. I prefer Queens for my own use. My other machines I will sell for whatever I can get for them, or give them away." Curiously enough, the Queen Incubator is not a high-priced machine. Its cost is below the average. It is sold on a liberal, free trial plan—direct from the factory—guaranteed for five years. If you want to get in touch with Incubator Headquarters, write a postal to "Wickstrum, the Queen Incubator Man, Box 28, Lincoln, Neb." Just address it that way. Wickstrum says he is loaded with Poultry and Incubator ideas. Better write him tonight. His books and advice are free. Any good woman or man should be able to make splendid profits with a Queen Incubator and it does not take much money to get one.

Carborundum and What it Means to Farmers.

Perhaps few know what carborundum is, or of its abrasive value. Yet in the last few years it has completely revolutionized grinding of all kinds. At the present time it is of special interest to farmers, for it has already begun to replace the grindstone on farms all over the country. Carborundum is used both to polish the most delicate china and to shape the pistons of the engines of our great ocean liners. "It hones the razor and puts an edge on the sword. It polishes the diamond and points the tool that punches rivet holes in the armor of the great battleships. It polishes the shoe sole and the kid glove, and smooths down the angles of the great telescope lens." Carborundum is made by using sand, carbon, sawdust and salt in tremendous heat. Electric furnaces are employed. In the big plant at Niagara Falls there are ten furnaces, built loosely of fire brick, and fitted at each end with electrical connections. The heat which is developed in the hottest blast furnaces and porcelain kilns. In the latter the oxyhydrogen flame brings the temperature up to 3,300 degrees. But this is the only artificial heat that compares with the electrical furnaces at all. The Carborundum Company, of Niagara Falls, N. Y., recognizing the great advantage it would be to farmers to be able to use carborundum for grinding their tools, prepared a number of wheels of sizes and shapes especially adapted to farm grinding. Each wheel is made for a specific use, so that the farmer can provide himself with grinding wheels to suit everything from the softest iron to the hardest tool steel. Besides time and labor saved, carborundum saves tools. Tool manufacturers say that they would have to go out of business if it were not for rusting and deterioration of tools caused by using them while they are dull. A good tool will last a lifetime if properly cared for, kept free from rust and sharp. The farmer who uses carborundum doesn't know what it means to have a dull tool about the farm, or a rusty one. The result is that his tools last years longer than they would if neglected.

VETERINARY COURSE AT HOME

\$1200 year and upwards can be made taking our Veterinary Course at home during spare time, taught in simplest English, Diploma granted, positions obtained for successful students; cost within reach of all; satisfaction guaranteed; particulars free. ONTARIO VETERINARY CORRESPONDENCE SCHOOL, Dept. 10, London, Canada.

KANSAS LAND

FREE—List of McPherson and Saline Co. corn, wheat, alfalfa and stock ranches. Write today. Andrew Monson, Real Estate, Lindsborg, 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.

150 ACRE FARM. 80 alfalfa, 3 1/2 miles county seat, alfalfa mill, will net \$30.00 acre profit yearly, mile station, splendid improvements, new house, outbuildings, etc., \$100 per acre. Good terms. **JOHNSTON BROS.,** Cottonwood Falls, Kansas.

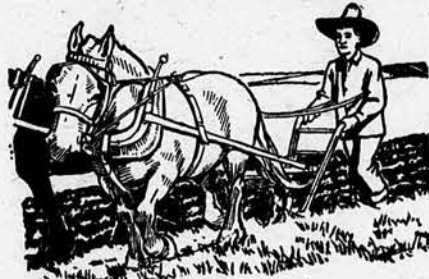
COWLEY COUNTY FARM. 160 acres, good six room house, about 20 acres bottom, never failing water, 12 acres alfalfa, 60 acres corn, close to school and church. Price \$7,500. Terms if desired. **R. A. Gilmer,** Arkansas City, Kan.

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

HERE IS A SNAP! 160 a., 1 1/2 miles from Whitewater, all well improved, all level land, good soil. Price for a short time only \$80; worth \$100 an acre. Other bargains. Free list. Address **WHITEWATER LAND & LOAN CO.,** Whitewater, Kansas.

A Big Farm Bargain

320 acres 3 miles from good railroad market. 300 acres under cultivation, 250 acres of which are in wheat and one-half of the wheat goes to purchaser. Good 5 room house, barn 24x36 feet, good granaries and outbuildings. All fine black soil and one of the finest half sections in Sumner county. Must be sold by March first. Price \$47.50 per acre, half cash, balance 6 per cent. Write me quick. **H. M. COLLINS,** Caldwell, Kan.



A FINE HALF SECTION FOR SALE.

Two and one-half miles from South Haven, in high state of cultivation, good house of 6 rooms, nearly new, barn for 10 head of horses, big granary at end, implement shed, cow stable, hog shed, large corn crib, two wells, one in pasture with new mill, most of place fenced and cross fenced with woven wire and hedgeposts, 30 acres of alfalfa hog tight, 100 acres of meadow and pasture, 60 acres of English blue grass, the seed of which made \$18 per acre last year besides pasture; balance of place in cultivation, which is as free from burrs and other weeds as a garden. There is not a more perfect laying half-section in the state, just enough slope to drain fine and not wash, not a ditch or basin on the entire place. In fact, the entire place could be plowed in one land if desired. Soil a rich, black, sandy loam. School thirty rods from improvements. Taking everything into consideration, this place is a bargain at \$55 per acre; \$8,000 can remain on place 5 years at 6 per cent. Just the place for someone wanting a high class half section without fault. A fine proposition for either a home or an investment. For sale by **WM. HEMBROW,** Caldwell, Kansas.

EXCHANGE COLUMN

FOR SALE OR EXCHANGE.

Western Kansas lands. Will exchange for other land, stocks merchandise, income property, etc. If you have a good trade to offer, write us. **THE INTERSTATE LAND & TRUST CO.,** Central Office Bldg., Salina, Kan.

BARGAINS

FOR CASH OR TRADE

Of all kinds direct from owners of farms, ranches, mdse., hardware, hotels, livery barns. Send for our book of trades or cash list. **Bersie Real Estate Agency,** Eldorado, Kan.

BARGAINS.

We have some good Emporia properties, automobiles and hardware stock to trade for good land in Ford or Meade counties. Write us full description of your property in first letter. **H. L. DWELLE & CO.,** Emporia, Kansas.

200 ACRES. 3 1/2 miles town, Jefferson county, Kansas, 140 in cultivation, 40 meadow, some timber, fair improvements, good orchard, price \$12,000; incumbrance \$6,000 at 6 per cent. Want western land or town property. **Garrison & Studebaker,** McPherson, Kan.

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 EXCHANGE

320 a. in Anderson Co., Kan., 5 mi. from R. R. town, improved; good farm, price \$45 per acre, mort. \$4,750. Wants merchandise or small farm for equity. Write for list of bargains of sales and exchanges. **-SPOHN BROS.,** Garnett, Kansas.

FIELD NOTES

FIELD MEN.

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

PURE BRED STOCK SALES.

Percherons.

March 4—Dispersion, J. A. Gifford, Beloit, Kan.
March 9, 10—At Lincoln, Neb., O. P. Henderson, Hebron, Neb.

Jacks and Jennets.

Feb. 28—W. J. Finley, Higginsville, Mo.
March 1, 2—L. M. Monsees & Sons, Smith-ton, Mo.
March 3—Petty Bros., Sedalia, Mo.

Shorthorns.

Feb. 22—Frank P. Cooke, Beloit, Kan.
Feb. 24—Glover & McGlynn, Grandview, Mo.
June 10—C. S. Nevius, Chiles, Kan.

Herefords.

March 1, 2, 3—Sunny Slope Herefords, C. A. Stannard, Emporia, Kan.

Poland Chinas.

Feb. 23—G. S. Hamaker, Pawnee City, Neb.
Feb. 25—Chas. O. Parsons, Clearwater, Kan.
Feb. 26—Lee Gress, Nelson, Neb., and John Barnard, Angus, Neb., at Nelson, Neb.
March 4—L. R. Berkey, Louisburg, Kan.
March 10—C. W. Dingman, Clay Center, Kan.

Duroc Jerseys.

Feb. 21—W. T. Butch, Minneapolis, Kan.
Feb. 23—R. G. Sollenberger, Woodston, Kan.
March 16—Samuel Drybread and J. J. Baker, Elk City, Kan.
March 22—S. W. Alfred & Son, Sharon, Kan., sale at Enid, Okla.

Nevius Makes \$54.10 Average.

The fifth annual Poland China sale held by C. S. Nevius, at Chiles, Kan., Feb. 11, was one of the good sales of the season. Buyers were present from several states. The sale was conducted by Col. R. L. Harriman and Col. Jas. W. Sparks. The bidding was snappy and the entire offering was sold in less than two hours. Several more hogs could have been sold at the same average, as the last one sold was close to the average of the sale. Following is the report in full:

1. H. F. Pelphrey, Humoldt, Kan., \$135.
2. Geo. Wedd & Son, Spring Hill, Kan., \$130.
3. Roy Johnston, South Mound, Kan., \$85.
4. J. C. Staler, Jasper, Mo., \$60.
5. J. W. Pelphrey, Chanute, Kan., \$52.
6. A. E. Dougherty, Bucyrus, Kan., \$52.
7. C. E. Ryan, Burden, Kan., \$67.
8. Bert Harriman, Bunceton, Mo., \$85.
9. J. C. Staler, Jasper, Mo., \$60.
10. J. C. Staler, \$55.
11. W. B. Wallace, Bunceton, Mo., \$50.
12. John Murry, Humboldt, Kan., \$35.
13. J. C. Staler, \$50.
14. R. A. Fitzgerald, Bucyrus, Kan., \$50.
15. Deming Ranch, Oswego, Kan., \$55.
16. L. V. Okief, Stilwell, Kan., \$67.50.
17. Harry Lee, Spring Hill, Kan., \$57.50.
18. Geo. Peiters, Chanute, Kan., \$55.
19. W. B. Wallace, Bunceton, Mo., \$57.50.
20. Deming Ranch, Oswego, Kan., \$42.50.
21. Roy Johnston, South Mound, Kan., \$45.
22. C. E. Ryan, Burden, Kan., \$62.50.
23. John Murry, Humboldt, Kan., \$40.
24. F. W. Havelly, Allisville, Kan., \$50.
25. H. F. Pelphrey, \$62.50.
26. J. W. Pelphrey, \$57.50.
27. W. B. Wallace, \$47.50.
28. Roy Johnston, \$45.00.
29. J. W. Pelphrey, \$67.50.
30. H. F. Pelphrey, \$35.
31. A. E. Dougherty, \$40.
32. Harry Lee, \$40.
33. John Murry, \$40.
34. A. E. Dougherty, \$42.50.
35. A. H. Moody, Lewisburg, Kan., \$32.50.
36. P. J. Vohs, McDonald, Kan., \$42.50.
37. C. J. Hamlin & Son, Altoona, Kan., \$35.00.
38. John Murry, \$45.
39. Homer Gruver, Spring Hill, Kan., \$42.50.
40. W. H. Craig, Hepler, Kan., \$32.50.
41. Roy Johnston, \$22.50.
42. John Murry, \$37.50.
43. Kansas Agricultural College, Manhattan, Kan., \$37.50.
44. Roy Johnston, \$30.
45. Head sold for an average of \$54.10.

The Stannard Hereford Dispersion.

The Sunny Slope herd of Herefords, owned by C. A. Stannard of Emporia, Kan., is perhaps the best advertised herd of this breed of cattle in the United States, and the fame which it has attained has been due in no small degree to the quality of the bulls that have been used in it. The herd has always been strong in Anxiety IV, blood, and Wild Tom and his successors are known wherever good Herefords are to be found in this country. Mr. Stannard is a persistent exhibitor at the various fairs of the corn-belt states, as well as at the American Royal and the International. In all of these shows he has made good, as is testified by the great array of ribbons that may be seen at Sunny Slope. His dispersion sale will include his show herd of last fall and many others that could have profitably appeared in the ring. The fact is that Mr. Stannard's cattle are kept in good condition the year around and it is a real treat to visit Sunny Slope at any season. It does not require much extra care to fit the selected animals for the show ring and buyers who attend this sale are sure of the highest quality in breeding, as well as a good useful condition of the animals offered. In regard to the present herd bulls in use on Sunny Slope Farm, Mr. Stannard says: I wish to call your attention to Beau Mystic and his gets. I do not believe there is a more valuable Hereford bull in the United States than he is. I will show you on sale day one of the best lots of calves by him that it has ever been your pleasure to see. He is in fine condition and I do not believe there is an aged bull in America that can beat him in the show ring next year. Expectation, the bull we showed this year, is in fine condition and an exceptionally good bull. Beau Duncaster is an exceptional two-year-old and promises to make something exceptionally good. Beau Golden was bought for use in the herd on account of the exceptionally good lot of calves he has produced for the party who owned him previous to his coming here. Mention Kansas Farmer and write for free catalogue.

KANSAS LAND

IF YOU WANT

The right land, at the right price, in the right place, from the right man, write right now to **H. D. Hughes,** McDonald, Kan.

SNAPS IN CENTRAL KANSAS LANDS

220 acres, 270 acres bottom land, 50 acres upland, fair improvements, 200 acres alfalfa land, running water and timber, fenced and cross fenced. A snap at \$40 an acre. Three miles from town. 160 acres, unimproved, 3 1/2 miles from town. A bargain at \$2,750. Write **JAS. H. LITTLE,** the Rush County Land Man, LaCrosse, Kansas.

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

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

WRITE FOR FREE LIST Coffey county farms. Cheapest land in Kansas for the money. **W. H. CLARK,** Gridley, Kansas.

BARGAINS FOR QUICK SALE. In Clay county farms, in well improved 80 and 160 acre tracts, for January and February. Write for my list. There's a place for Everybody. **George E. Bigler,** Clay Center, Kan.

NESS COUNTY, KANSAS LAND. Good soil as any in the state at \$10 to \$15 per acre, well improved land \$15 to \$25 per acre. Partly rough at \$6 to \$8 per acre. Come before the new railroad gets here or write **J. G. COLLINS,** Ness City, Kan.

320 ACRE HOG FARM. 60 alfalfa, 40 fenced, hog tight, 3 miles Anthony, near school; new house and barn, large new hog house. Good corn, wheat alfalfa land, \$60 acre. Can sell balance section, which is well improved. Booklet free. **J. E. COUCH LAND CO.,** Anthony, Kan.

EASTERN KANSAS LAND Where corn, wheat, clover and timothy grow to perfection, \$40.00 to \$60.00 acre. This section has never been boomed and has been overlooked. Best "buys" in Kansas. List and descriptive literature free. **F. C. BRACKNEY,** Burlingame, Kan.

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. **Fritzell & Ely,** Larned, 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 \$14,000. Other bargains. **W. W. BARRETT,** Sterling, Kansas.

80 ACRES. 4 miles county seat, all first class bottom land, 52 acres alfalfa, balance ready to plant, good improvements, near school and church, daily mail and telephone. Price \$6,000. Liberal terms. Other farms. **J. E. BOCOOK,** Cottonwood Falls, Kan.

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

WHEAT, CORN, ALFALFA AND OATS. Produce nammoth crops in Barber Co., Kan., adjoining the famous alfalfa county, Oklahoma. I have many good farms and ranches for sale at less than their actual value. Write for full information. **J. M. MILLER,** Kiowa, Kan.

MARION COUNTY RANCH. 1,800 acres, 4 miles railroad town, 600 corn and alfalfa bottom land, balance fine pasture, splendid modern improvements, watered. Unquestionably a bargain at \$75,000. Liberal terms. Other bargains. **FULKERSON & BURCHFIELD,** Florence, Kansas.

SHARON COUNTY ALFALFA LANDS. Choice corn and alfalfa farms for sale in Barbour county, Kansas. Crop failure unknown. Write for particulars and list. Address **WILLIAM PALMER,** Medicine Lodge, Kansas.

GREENWOOD COUNTY STOCK FARM. Nicely improved 480 acres, 180 under plow, 225 slightly rolling pasture, balance nice level meadow. Price \$15,000. Will carry \$8,000 at 6 per cent. Send for free list and descriptive literature. **STAR REAL ESTATE AGENCY,** Gridley, Kansas.

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

LANE COUNTY KANSAS

Offers bargains in wheat and alfalfa ranches at \$10 to \$20 per acre. Write for my price list and investigate at once. **WARREN V. YOUNG,** Dighton, Kansas.

RENO COUNTY FARM

160 a. 4 1/2 mi. from Langdon, good bldgs., 120 a. cult., 40 a. pasture, best soil. Price \$8,500; terms. 30 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.

KANSAS LAND

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

FREE LIST Dickinson county corn, wheat and alfalfa farms. Write today. **Baumgarth & LaPort,** Abilene, 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.

NO. 37, 160 ACRES. 6 miles R. R. town, 75 in cultivation, 3 orchard, all kinds fruit; 5 room house, barn for 8 head of horses, corn crib, hen house, granary, cow sheds, good water, R. F. D., telephone. \$85 acre. List free. **A. J. ELWZ & CO.,** Cottonwood Falls, Kan.

MONTGOMERY COUNTY LANDS. -Montgomery county is second in population and 5th in wealth in Kansas. Write for list of choice farm bargains and prices. **W. J. Brown & Co.,** Independence, Kan.

240 ACRES. 80 alfalfa, 60 wheat, 25 winter oats, well fenced, 80 acres woven wire, good 7-room house, stable, windmill, fine water, 4 miles railroad town. Splendid home and money-maker. Price \$12,000. **IKERD & GREEN,** Kiowa, Kansas.

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

IDEAL HOG AND ALFALFA FARM. 325 acres, 2 1/2 miles Anthony, 30 alfalfa, 200 in cultivation, balance fine pasture with never failing stream of clear water; well fenced; large house and barn, both new. Price \$16,000. Liberal terms. Other farms. **SMITHTON & HOLIDAY REALTY CO.,** Anthony, Kansas.

A DANDY FARM—POSSESSION AT ONCE.

Just listed, one of the finest farms in Kansas, 160 richest soil, all tillable, lays fine, 40 bluegrass and clover pasture, 40 timothy meadow, 55 fine wheat, 40 plowed for spring crops, fine 6 room house, big new barn, fenced and cross fenced, hog tight, mil. to town, 3/4 mi. to school, all for \$55. Write for full description or come. **Donahue & Wallingford,** Mound Valley, Kan.

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

CHOICE FARM FOR SALE—Farm contains 337 a. with 5 1/2 mi. of woven wire fence, 3 1/2 mi. from Harper. Will raise all crops grown in the section. Ideal for alfalfa, wheat, corn, oats, barley, cow-peas and fruit. Fruit, now growing in abundance. Good 6-room house, large barn, granary, stock sheds, poultry house and other buildings. Fine well of water and running water through farm. 200 acres under cultivation with 140 acres of wheat, 8 of alfalfa. For terms, etc., apply to **J. C. ELVIN,** Harper, Kansas.

HIGHLY IMPROVED STOCK FARM. This place consists of 199 a. and has just been placed on the market. Is located 4 miles from this town and is one of the best improved and considered the best place for its size in the neighborhood. Can be bought now at \$67.50 per acre and purchaser gets possession March 1st. Can give terms to suit. This place has 25 a. of alfalfa, about the same in clover, a small piece of timber, making excellent feeding lots and balance corn land. Is close to school and has both phone and R. F. D. Clip this ad and come at once. Other propositions. **C. E. TENKLIN,** Corning, Kansas.

GOOD BARGAINS NEAR WICHITA. 80 a., all in cultivation, 15 a. alfalfa, good black loam soil, fine for alfalfa or corn, 5 room house, barn for 6 horses with mow granary, crib, hen and hog houses, buildings are all new, lots of woven wire and hog lots, good orchard and shade, fine water. Located 10 miles from Wichita and near good R. R. town on R. F. D. and phone. Possession can be had at once. Price \$6,000 for short time only. Come and see this. **THE NELSON REAL ESTATE & IMG. CO.,** 137 N. Main St., Wichita, Kan.

KANSAS LAND

KANSAS LAND

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 section of the United States for less than a half cent a line per thousand circulation, write

625 1/2 Jackson Street,

ROY O. HOUSEL,

Topeka, Kan.

ZIMERMAN IRRIGATED LANDS

THE CREAM OF THE PECOS VALLEY.

Now selling at \$60 per acre, including fully-paid irrigation water rights. The present price subject to advance without further notice. One thing sure, you can not buy any of this land next year for less than \$100 per acre. This land in alfalfa alone will pay 100 per cent net profits every year. In fruits 300 per cent. Join us on the next Home-seekers excursion the first and third Tuesdays each month. For further information address

THE HEATH COMPANY,

199 West Seventh Street,

Topeka, Kan.

800 Acre Stock and Grain Farm

Two miles of two railroads and near trolley line, 480 acres rich creek bottom and second bottom, black loam soil, does not overflow, best of corn, alfalfa and wheat land, 300 a. fenced hog tight with good cross fence, two sets of improvements, No. 1 seven room house, three good barns, all good condition, will care for 54 head of stock, tied; never failing well, soft water, three water tanks, 18 barrel capacity; plenty bearing fruit trees, good stock scales, with house over and stock yards, 20 a. good timber land a life time! never failing supply natural gas to run all machinery and for light and fuel. No. 2 improvements, good seven room house, good water, good barn, barn 80x40, capacity 3,500 bu. grain, 12 tons hay, oat granary and cow shed, some fruit, one-half section pasture land, 200 a. lime stone and 120 a. sand stone, grass, suitable to be made into a good farm, fenced with 4 galvanized wire, hedges, posts one rod apart, good water. The natural gas sold from the 800 a. is \$1,000 cash in advance each year and free fuel for house. It will be priced on good interest paying basis, one-half cash, balance time if desired, to suit purchaser, low interest. 200 registered cattle, 300 head hogs, all stock priced with or without farm. Want to retire from business. No trades considered. Come and see me.

R. M. DOBSON, Owner.

Independence, Kan.

LOOK HERE! GREENWOOD COUNTY LAND FOR SALE

122 M-73 acres, 50 acres in cultivation; 20 acres of bottom land; some good alfalfa; 3 room house and fair stable; 3 miles from town and 1-4 mile to school; 4 acres are hog tight; a 125 barrel cistern; price \$40 per acre; mortgage \$1,250.
136 S-120 acres, 7 miles from Eureka and four miles from Reese; about 60 acres in cultivation; balance hay and pasture land, 5 room house and barn, cellar and good well, fine orchard; price \$40 per acre; mortgage \$1,200 at 5 1/2 per cent, can run 4 years.
128 M-320 acres of nice smooth land, 1/4 mile from shipping point; about 100 acres in cultivation; balance hay and pasture, nearly all can be farmed; 4 room house, and poor stable; and plenty of good water; price \$35 per acre.
129 E-960 acres, nearly all smooth land, from 250 to 300 acres in cultivation; good improvements; and only 4 miles from Eureka. Price \$30 per acre.
133 X-80 acres, about 60 acres in cultivation; balance mow land. This is all nice smooth land; it has an 8 room house and good barn; 5 1/2 miles from Eureka; price \$50 per acre.
135 H-160 acres, all in cultivation; 4 room house and barn; 1 1/4 miles from Eureka; price \$40 per acre.
136 K-260 acres, mostly bottom and second bottom; 5 miles from Eureka; 2 sets of improvements; one house of 5 rooms and one of 6 rooms, not in very good condition; there is about 150 acres in cultivation; nearly all can be farmed; part of it in alfalfa; price \$40 per acre.
Anything you have to sell or exchange, list with us.

Eureka,

G. J. JACKSON LAND CO.,

Kan.

HELLO FARMERS!

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

F. D. Stoughton,

Madison, Kan.

A HOME

For you at a bargain price, 320 acres fine level land. For particulars write to Winn Realty Co.,

Jetmore, Kan.

KINGMAN CO. LANDS

Banner wheat and corn country of the state. Write for selected list.

BROWN REAL ESTATE CO.

KINGMAN,

KAN.

Good Bargains

Six room house. Eighty acres of valley land, balance good mow land and good pasture and orchard for family use. Price \$4,000. And I have several other good 80-acre and 160-acre and so on up to 640 acres, and several large ranches.

Wm. Forbes,

Fall River, Kan.

BARGAIN

160 acres 1 mile from the County seat. 100 acres in cultivation, 80 acres of good alfalfa land, nice smooth land, good location. Price \$44,000. Three years time on \$1,500 at 6 per cent bal. cash.

LOHNS & CASON,

Ness City,

Kan.

HOME SEEKERS

Send for a copy of the Southwestern Kansas Home-seeker, 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.

SHAWNEE CO. 80

Eight miles south Topeka, 1 1/4 mile from R. R. town, 5,000 bearing apple trees, all fenced with woven wire, land adjoining is selling for \$100 per acre. Owner lives too far away to look after it and will sell it at the assessed valuation of \$75 per acre. Hurry.

W. J. RICKENBACHER,

160 E. 6th St.,

Topeka, Kan.

SNAPS!

\$5,000 acres in McMullen Co., Texas, all good level land, black sandy loam, price \$10.00 per acre.
75,000 acres in southwestern Texas, \$1.25 per acre.
300 acres near Marquette, McPherson Co., Kansas. Well improved. Price \$10,000.

CHAS. PETERSON,

Hutchinson,

Kansas.

320 ACRES FOR SMALLER FARM.

All choice tillable land, 280 acres in cultivation, 6 room house, frame, barn, cribs, granary and sheds, good orchard, an abundance of good water. Price \$45 per acre.

J. M. McCowan,

Emporia, 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, \$6,000, 1,162 a., great ranch, finely improved, easy payments, \$25 a. Write for list.

JOHN TAGGART & SON,

White City,

Kansas.

300 ACRE BARGAIN IN NESS COUNTY KANSAS.

Only 1 1/4 miles from Ness City, all in cultivation and will all be sown to wheat and 1-4 crop goes to purchaser. Price for a short time \$25 per acre. Look this up, a genuine bargain. Let us send you our land list.

Kilberg & Miller,

Ness City, Kan.

BUY WESTERN KANSAS LAND.

Should you want to buy any Western Kansas land for speculation or for a home, don't fail to write me. I am selling land throughout all counties in Western Kansas. I am myself farming extensively on the kind of land I offer for sale. I can sell you land that will make you money. Write me at once for prices Address

Eugene Williams,

Minneapolis, Kan.

Every Man is Entitled To a Slice of This Good Old Earth.

Some Are Getting It; Some Are Not. Are you one that is not? You can get a slice from \$10 to \$20 per acre in the wheat belt, where they have, fine soil, fine climate and plenty of water if you will write TEED & ORBISON, Jetmore, Kan., for their list of farm lands. They have something good.

BEDGWICK COUNTY FARM BARGAINS.

160 acre farm, all level, black soil, no waste land, corn, wheat and alfalfa land; 90 acres in cultivation, 70 acres in native grass; fenced with hedge and wire and cross fenced; one of the best producing farms in the county; only 15 miles from Wichita and 4 miles from a good grain shipping point with two elevators two railroads. Possession given if taken before 1st of March, for quick sale. \$55 per acre.

Beatty Realty Co., Opp. P. O., Wichita, Kan.

160 ACRES.

4 miles of R. R. station, 6 miles of Attila, 150 a. in cult. 40 a. in wheat, all goes with farm, some alfalfa, balance pasture and mow land. Half of this farm is fine alfalfa land, bal. good corn and wheat, 5 room house, good barn, cribs and granaries, good orchard, grove, fine water, 1 mile to school, black sandy loam soil, a fine farm. Price \$9,500, with terms.

HILTON & GARRISON,

Attila,

Kan.

FOR SALE.

I offer a special bargain this week in a half section of smooth land, 1 1/4 miles from Colby, Kansas, the county seat, all broke out and seeded to winter wheat, in good season, all the wheat to go with the land. This wheat crop will go a long way toward paying for the land. Price \$25 per acre. It will pay you to investigate this by writing the owner.

Colby,

IKE W. GRUMLEY, Kansas.

Ford & Smith, Enterprise, Kan., are advertising 160 acres of Dickinson county land for \$6,000 in this issue of Kansas Farmer. This place is priced at \$1,000 below its actual value, and will undoubtedly sell at once. Better wire them to hold the place if you want to look over it. Look up their ad and write for their free list, mentioning Kansas Farmer.

Increase in Value of Farm Products in Five Years—Average Prices.

On Dec. 31	1904.	1909. in 5 yrs.
Prime beefs	\$ 5.50	\$ 7.50 36
Prime hogs	4.75	8.45 80
Prime sheep	5.75	7.50 27
Prime lambs	6.69	8.40 27
Best draft horses, 150.00	255.00 58	
Best 16 1/2 mules, 180.00	225.00 58	
No. 2 hard wheat, 1.08	1.15 4	
No. 2 mixed corn, .41 1/4	.63 41	
No. 2 mixed oats, .31 1/4	.43 36	
Flour,	4.95	5.40 9
Barley, .....	.85	1.05 22
Corn chops, .....	.81	1.21 44
Alfalfa,	11.50	18.00 56
Prairie,	7.75	10.50 35
Hens, .....	.07 1/4	.11 1/4 53
Roosters, .....	.08	.09 60
Ducks, .....	.05	.11 1/4 43
Turkeys, .....	.12 1/4	.18 44
Jonathan apples, 4.00	4.60 12	
Creamery butter, extra, .....	.23	.36 56
Country butter, .....	.15	.23 53
Mo. & Kan. cream cheese, .....	.11 1/4	.14 21
Eggs (flat), .....	.11 1/4	.14 21
Potatoes, .....	.45	.65 44
No. 1 native hides, .09	.11 1/4	27

Saving the Farmer's Back.

"Loading farm wagons perched up on the old high wheels, kills more farmers than consumption, pneumonia and typhoid combined" is the assertion of an authority. "Most farm wagons," he continues, "are two feet higher than they need to be—and the last two feet of the lift that hurts." "There is no question of the backaches, arm-aches and leg-aches, that come from lifting. Every farmer knows what a day in the hayfield or harvest field means. Every one who has loaded potatoes, apples, grain, feels the muscle pains at the mere recollection of it. Now comes the Empire Manufacturing Co. of Quincy, Ill., with a proposition to do away with the killing of loading. It is simply that farmers provide themselves with a set of Empire Low Steel Wheels to use on the wagons when any farm hauling is to be done. The Empire Manufacturing Co. makes low steel wheels from 20 inches up. The change from wooden to steel wheels can be made in 5 minutes any time. By having a set of steel wheels the farmer can save himself a lot of drudgery every time any hauling is to be done. This company also makes a handy wagon, at an exceedingly low price. The Empire Steel Wheels on the Empire Handy Wagon is an ideal combination. Either the wheels or the wagon will be sent for a free 30 days trial—no money down. Readers of this paper are urged to write for the attractive wheel and wagon booklet. It gives information of great value whether the farm reader thinks of buying or not. A postal card to the Empire Manufacturing Co., Box No. 990, Quincy, Ill., will bring it.

Hamiltons Make Their Usual Good Sale.

J. H. Hamilton & Son, the veteran Poland China breeders of Guide Rock, Neb., made one of their good sales on Feb. 5. The offering was one of the best of the season and averaged \$44.10. The top price paid was \$131 for a big Medium sow. He went to C. H. Harper of Brickman, Neb. Frank Strelbel, of Alton, Kan., bought the next highest, paying \$127 for No. 2 a sow by Growthy Perfection. Following is a list of sales at \$30 and up:

- 1—Albert Smith, Caddams, Neb., \$85.
- 2—Frank Strelbel, Alton, Kan., \$127.
- 3—W. Richards Guide Rock Neb., \$65.
- 4—W. Richards, \$40.
- 5—Mr. Coon, \$40.
- 6—Frank Strelbel, \$39.
- 7—Mr. Coon, \$34.
- 8—A. Springer, Guide Rock, \$37.
- 10—Lee Gress, Nelson, Neb., \$37.
- 11—Hugh Allison Superior, Neb., \$445.
- 12—W. Kile, Mankato, Kan., \$67.
- 13—W. Richards, \$51.
- 14—Carl Jensen & Son, Belleville, Kan., \$45.
- 17—A. C. Muggy, \$42.50.
- 18—W. R. Adams, Elm Creek, Neb., \$47.
- 19—W. B. Francis, \$60.
- 20—Bert Stunkard, Enosville, Neb., \$30.
- 21—A. W. Cooper, Cowles, Neb., \$35.
- 22—C. O. Calvin, Caddams, Neb., \$45.
- 24—C. H. Harper, \$131.
- 25—C. H. ady, Imperial, Neb., \$32.50.
- 26—A. Fringer Guide Rock, Neb., \$34.
- 27—Ed urrie, Guide Rock, Neb., \$41.

The Fredonia Portland Cement.

The materials employed in the manufacture of the "Kansas Grasshopper Brand" of Portland cement are limestone and shale. The bed of limestone from which the supply is obtained is 120 feet in thickness and analyzes very pure. The shale is obtained from a huge mound, about 100 feet high, which is covered with silica sandstone. These materials are mixed in their correct proportion, crushed, dried and ground to a very fine powder. In this state, the material is supposed to be in correct proportion, and in a great many cement plants is led directly to the next stage of manufacture, which is the kiln, in which they are brought into chemical combination by intense heat, which forms the cement. In the Fredonia Portland Cement plant, however, the fine materials are conveyed to large steel tanks with agitators, in which additional mixing is done. Now, before a particle of it has passed to the next stage of manufacture, it is analyzed by a chemist, and not one drop goes through out of proportion. This is the second check which has been made. One analysis on the raw materials as they come from the quarries, and the second one just before it passes to a very important stage of manufacture, the chemical stage, to known absolutely that the materials are in proper proportion in order to fuse into chemical combination of Portland Cement of the highest grade. Any chemist will know that results in chemical manufacture can only be had by absolute accuracy; no "near right" goes if the best results are to be had. The mixture, after passing through the kilns, is known as clinker. It ranges in size from a pea to a hickory nut and is very hard. It is the cement in the rough and only requires grinding to complete the process. Grinding is done at the Fredonia plant on Griffin mills, the only mill which grinds with an action similar to a druggist's mortar and pestle, which action, as is well known, consists of a rubbing and crushing motion combined. The United States government engineers have established a fineness which all cement used by the government must pass, which has been adopted by cement manufacturers in general as a standard, and every barrel of "Grasshopper" cement is guaranteed to pass this specification. Send for a nicely illustrated book giving plans and how to use cement.

KANSAS LAND

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

FOR SALE.

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

MANVILLE & BAILEY,

Holton,

Jackson Co. Kansas.

HARPER COUNTY.

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

Heacock Realty Co.,

Anthony,

Kansas.

NESS COUNTY LAND.

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

J. C. Lohnes & Son,

Ness City, Kan.

McPHERSON COUNTY STOCK FARM.

320 acres rolling land stock farm, well improved, 7-room house, 2 barns, fine water, fruit, some timber, all fenced, cross about half in cultivation, 40 acres alfalfa, 20 acres hog tight. R. F. D. Phone. Price \$14,500. Easy terms. Write

ROY T. GLASS,

Canton, Kan.

BARBER COUNTY.

260 acres, 3 miles Medicine Lodge, 300 in cultivation, 10 alfalfa, 150 fine alfalfa land, 20 timber, well improved, house, barn, outbuildings, etc., practically new. Price \$35 per acre. Other farms.

T. I. LINDLEY & CO.,

Medicine Lodge,

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.

LABETTE COUNTY BARGAINS.

184 a. 10 mi. from Coffeyville, 1 mi. from Valeda, dandy creek bottom farm, 60 a. in cult., bal. mow land and pasture, some timber, new house and barn, newly fenced, 1 mi. to school. Rural R. Tel. only \$6,000.

THE BOWMAN REALTY CO.,

Coffeyville,

Kansas.

THE BEST TOWN TO LIVE IN.

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

BEST FARM IN KANSAS.

560 acres bottom valley land, all smooth, fine, black sandy loam, no waste land, small orchard, 20 acres, fine alfalfa land, new 14 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.

PRICED TOO CHEAP

at \$35.00 per acre, but the owner, who has rented it for a number of years, has moved to Wichita and cannot look after it; 160 acres in Cowley Co., 5 miles from R. R. town, good roads, 1 mile from inland town with church and school; all smooth, level land without a rock or foot of waste; fenced and cross fenced; 80 acres in cultivation, 5 acres hog lot, balance pasture, small orchard, fair improvements, telephone and R. F. D., alfalfa land, 8 to 20 feet to water. If you are looking for a good cheap farm, don't let this get away. \$2,100 will handle.

Sharp Realty Co.,

Wichita, Kan.

ARE YOU LOOKING FOR A HOME?

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

EASTERN KANSAS FARM BARGAINS.

160 acres Dickinson county, near Solomon and Abilene, guaranteed perfectly smooth rich land, 7 room house, barn 28x48, 83 a. wheat, one-third to purchaser, \$12,000; 160 a. 17 miles Topeka, 5 mi. town, 40 a. clover all in cult., good 6-room house, barn 48 by 60, extra fine farm, only \$9,000; 80 a. 11 mi. Topeka, 75 a. in cultivation, no waste land, new 5-room house, small barn, spring water, \$5,000. Write for list stating what you want, as we make specialty of selling farms worth the money.

Wingett Land Co., Stormont Bldg., 109 West

6th, Topeka, Kan. A. J. White, Farm

Salesman.

AN IDEAL FARM FOR SALE.

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

OKLAHOMA LAND

CADDO COUNTY LANDS

At reasonable prices on good terms. Write for full information.

J. H. CORDER & SONS,
Hinton, Oklahoma.

WASHITA VALLEY LANDS.

From \$10 to \$60 per acre offer great opportunities for investment. They are well located near railroads, towns, churches and schools. Write for further information.

JOSEPH F. LOCKE LAND & LOAN CO.,
Wynnewood, Oklahoma.

CORN AND ALFALFA LANDS.

In Canadian county, the cream of Oklahoma; a place where good crops and prosperity reign supreme. Write today for prices and information.

NEW STATE REALTY CO.,
El Reno, Oklahoma.

BECKHAM COUNTY, OKLA.

160 acres 3 miles Dokey, railroad town, house, barn, 100 in cultivation, 700 peach and apple trees four years old, 140 tillable, \$3,000. Terms. Other farms. Will sell at extremely reasonable prices.

SECURITY INV. CO.,
Mangum, Oklahoma.

FINE ALFALFA FARM.

480 acres, rich, alluvial valley soil, 260 under plow, 25 alfalfa, fair improvements, living water, good well, 7 miles railroad, \$35.00 per acre. Terms. Many other snags.

W. C. ATKINSON,
Gotebo, Oklahoma.

REAL ESTATE BROKERS.

Mangum, Okla. Lands that produce big crops of cotton, alfalfa, corn, wheat and all other staples, at very reasonable prices. Write for free list of bargains.

McMILLAN & LANFORD,
Mangum, Oklahoma.

ALFALFA RANCH, KIOWA COUNTY.

160 acres, dark loam, valley land, sub-irrigated, 10 ft. to water, 2 miles good town; all tillable, 130 cultivation, 25 alfalfa, fenced, well, good buildings, clear. Price \$6,250; \$1,250 cash, balance easy terms.

H. H. ANDERSON,
Gotebo, Oklahoma.

IMPROVED FARMS.

180 acres, 140 in cultivation, good 9 room house, barn 45x65, tool shed and granary, 10x40, orchard, telephone, R. F. D., near school, 4 miles of county seat, price \$9,000. Write.

J. T. RAGAN,
Vinita, Oklahoma.

McLEAN COUNTY.

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

BYARS REAL ESTATE CO.,
Byars, Oklahoma.

NORTHERN OKLAHOMA

Write to the undersigned for new state map and descriptive circular and price list. Improved farms from \$35.00 to \$50.00 per acre.

J. H. FUSS & CO.,
Medford, Okla.

"HOUGH SELLS THE EARTH."

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

W. R. Hough,
Apache, Okla.

CHOICE ALFALFA, CORN AND WHEAT FARMS IN FAMOUS BERLIN VALLEY.

160 acres, 5 miles Sayre, county seat and Ry. division, Rock Island. Almost level, 80 cultivated, 80 pasture, all fenced and cross fenced, splendid four room house, big barn and granaries, splendid bearing orchard, fine soft water, sub-irrigated 8 to 30 ft., all surroundings level, for quick sale \$21.25 an acre. Some alfalfa.

2-160 in adjoining section, almost level, 100 cultivation, all sub-irrigated 10 feet, fine two story house, 10 rooms and bath (new). Good stable and outbuildings, good soft water, no rock, hard pan, alkali or gumbo. Both farms chocolate loam soil, 10 acres alfalfa, farms clear. \$5,500 buys this; all Kansas neighbors.

A. P. HARRIS, Owner,
Elk City, Oklahoma.

160 ACRES

4 1/2 miles of R. R. town, 7 miles of county seat, 120 a. in cultivation, 100 a. wheat, with farm, 4 a. alfalfa, 4 room house, barn for 16 head, large machine shed, granary, hog lots, good water and mill, 1 a. alfalfa land, 2 miles of school, R. F. D. Possession now. Price until March 1, \$7,500 with easy terms.

BATTEN REALTY CO.,
Grant Co., Medford, Okla.

MISSOURI LAND

STOCK FARM SPECIAL.

350 acres, 1/4 mile from station, 50 acres in cultivation, 310 acres pasture, 3 good springs, plenty of good timber, good house and barn, good well. R. F. D. telephone. A fine stock farm. Price \$20.00 per acre, half cash, balance to suit purchaser. Call or write.

AURORA REALTY & INVESTMENT CO.,
Aurora, Missouri.

100 ACRES

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

A. C. STEMMONS,
Carthage, Mo.

MISSOURI FARMS.

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

CLARENCE F. GILBERT,
Harrisonville, Cass County, Missouri.

The McMillan Percheron Sale.

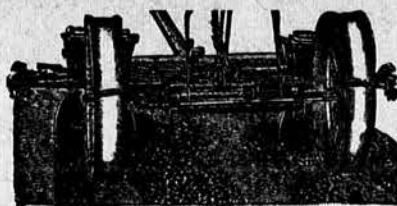
At Sioux City, Ia., on Feb. 8 and 9, there was held one of the great Percheron sales of the corn belt states. This sale was made by H. G. McMillan & Sons of Rock Rapids, Ia., and was attended by one of the largest crowds of buyers that has ever appeared at a Lakewood Farm sale. Animals sired by or bred to Calypso, the famous undefeated stallion, were of course the features of the sale. These were especially sought after and the prices they brought helped very materially to raise the average. Buyers were in attendance from practically all of the of the corn belt states and a number of very excellent horses were purchased by Kansas breeders as will be shown by our report which is given herewith in detail:

STALLIONS.

Gladstone 64550, W. H. Hawley, Camden Point, Mo.	\$720.00
Hugo 64549, J. H. Eberly, Lawton, Iowa	805.00
Victor 62541, Joe Culbertson, McCool, Neb.	750.00
Bernard 64552, Lee & Prentiss, Vermillion, S. D.	950.00
Black Jack 64897, W. A. Sargent & son, Ft. Morgan, Colo.	820.00
Joan 64555, F. Barth, Everly, Ia.	680.00
Dismuth 62690, J. R. Albert, Glen Elder, Kan.	835.00
Bollivet 61790, Aug. Sherrer, McLean, Neb.	725.00
Carlos 64544, Jno. Williams, Lusk, Wyo.	625.00
Sherwood 64548, Jno. DeNoul, George, Iowa.	885.00
Marcus 63578, W. E. Bateman, Forestburg, S. D.	815.00
Monitor 63577, Jno. E. Marston, Miller, S. D.	575.00
Raymond 64522, L. E. Ausmen, Westington Springs, S. D.	810.00
Sir George 63576, Henry Etneyer, Bolden, Neb.	600.00
Justice 64554, Jno. Vader, Winona, N. D.	600.00
Roxmore 63585, J. C. Larson, Rembrandt, Iowa.	650.00
Olbert 65993, Dave Smith, Shelbyville, Ind.	260.00
Edward 64282, A. W. Hasso, Fenton, Iowa.	225.00
Henry 65205, Dave Smith.	500.00
King James 60466, J. S. Johnson, Elendale, N. D.	335.00
Jim Moore 64629, H. A. Williams, Ota, Colo.	260.00
Helmet 64551, T. W. Carper, Emerson, Neb.	650.00
Charlatan 64882, A. W. Jones, Wynot, Neb.	600.00
Marquis 64869, Edgar R. Vernon, Prosho, S. N.	475.00
Faribault 64872, Alex. Miller, Cresbard, S. D.	700.00
Landau 63726, J. A. Gifford, Beloit, Kan.	350.00
Lochinvar 64863, E. E. Petro, Knobnoster, Mo.	415.00
Brigando 64879, A. E. Pattison, Sergeant Bluff, Ia.	360.00
Raleigh 64873, E. I. Gunderson, Centerville, S. D.	400.00
Ribald 63987, J. S. Johnson.	215.00
Vallier 63990, L. E. Ausman.	240.00
Mutliner 64868, L. H. Newgarden, Tarkio, Mo.	325.00
Jasper 60795, J. W. Hanna, Tarkio, Mo.	345.00
Orin 64628, Jno. Hefner, Sioux City, Iowa.	300.00
Leon 60267, L. H. Newgarden.	325.00
Hugo 64866, J. M. Perreault, Elk Point, S. D.	435.00
Richieu 64874, Downen & Williams, Fairburn, S. D.	370.00
Moco 64025, L. E. Ausman.	275.00
Cinq 64895, Chas. Sharp, Goodwin, S. D.	305.00

MARES.

Cassie 64527, J. S. Johnson.	575.00
Lady Woodlawn 53036, Aug. Wendt, Turton, S. D.	675.00
Grace 64964, Jno. Lofgren, West Point, Neb.	625.00
Lucile 64533, L. E. Ausman.	600.00
Marian 60599, Clarence Austin, Winnebago, Minn.	560.00
Victoria 60565, E. Fletcher, Burr Oak, Kan.	565.00
Estelle 60566, J. S. Johnson.	510.00
Mabel VIII 65958, I. Ridgley, Ellendale, N. D.	435.00
Pasquerette (61131) 45756, L. E. Ausman.	615.00
Minerva 64870, W. S. Corsa, White Hall, Ill.	400.00
Lucretia 64857, J. S. Johnson.	525.00
Meredith 65937, W. S. Corsa.	510.00
Victorette 65938, Downen & Williams.	600.00
Pearline 65939, F. A. Cole, Barnard, Kan.	495.00
Enchantress 65940, J. S. Johnson.	605.00
Laura 60634, Peter Iverson, Sergeant Bluff, Iowa.	445.00
Francis 60632, J. C. Larson, Rembrandt, Iowa.	550.00
Blanche 61085, I. Ridgley.	460.00
Grace 64529, W. E. Bateman, Forestburg, S. D.	635.00
Clarice 65941, W. H. Sarsfield, Marne, Iowa.	520.00
Yette 65942, Jno. Lofgren.	545.00
Emerald 65948, L. E. Ausman.	480.00
Czarina 65944, W. S. Corsa.	500.00
Hortense 65883, W. S. Corsa.	460.00
Kenette 42004, Downen & Williams.	505.00
Amelia 65948, L. E. Ausman.	350.00
Mollie 65947, J. S. Johnson.	365.00
Portia 61532, J. S. Johnson.	420.00
Loretta 64066, E. L. Lilly, Mabeth, N. D.	450.00
Elaine 57916, Aug. Wendt.	675.00
Winona 64855, Jno. Lofgren.	500.00
Matilda 63999, W. S. Corsa.	555.00
Francine 64507, J. S. Johnson.	625.00
Suzanne 64525, W. G. Bateman, Forestburg, S. D.	675.00
Inez 65955, J. S. Johnson.	435.00
Ermine 66207, L. E. Ausman.	305.00
Flo 66200, Jno. Yueston, Ponca, Neb.	300.00
Floss 66199, F. A. Cole.	305.00
Laura 66190, Jno. Williams.	350.00
Lucy 66191, E. R. Vernon, Prosho, S. D.	340.00
Linda 64020, L. E. Ausman.	605.00
Marian 64021, J. S. Athens, Hamburg, Iowa.	415.00
Florence 66205, F. A. Cole.	315.00
Loline 64240, E. F. Furber, Wynot, Neb.	450.00
Litta 64241, E. F. Furber.	450.00
Eather 66198, F. A. Cole.	520.00
Minnie 66196, Jno. Yueston.	300.00
Jane 66196, Jno. Yueston.	300.00
Cora 66198, A. A. Blower, Tigoga, N. D.	370.00
Laura 60465, Edgar Vernon, Prosho, S. D.	360.00
Alvaretta 57267, W. S. Corsa.	430.00
Minneska 64859, F. A. Cole.	390.00
Floretta 65945, E. Fletcher, Burr Oak, Kan.	605.00
Sapphire 65949, F. B. Hesner, Hot Springs, S. D.	650.00
Summary: 39 stallions brought \$21,290; average \$546.00; 54 mares brought \$26,255; average \$486.00; 93 head brought \$47,545; average \$511.00.	



OKLAHOMA LAND

A RARE SNAP.

160 acres adjoining town, all in cultivation, good house, barn, granary, good orchard of all kinds of fruit, fenced and cross fenced. This is one of our best bargains and if you are interested do not delay. (First come, first served.)

HUNTER REALTY COMPANY (Est. 1893.),

ENID, OKLA.

"WE SELL THE EARTH."

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

Clinton,

DULANY & RANDOL,

Oklahoma.

CORRESPOND with us about Garfield Co. lands. McCarty & Plumley, Enid, Okla.

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

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

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

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

BALDWIN & GIBBS CO.,
Anadarko, Okla.

OKLAHOMA FARMS.

Best county for corn, wheat, oats, alfalfa and tame grass. \$0 acres \$3,500. 160 acres fair improvements, \$4,000. Write for list of bargains.

VOGELE & WOOD, Newkirk, Okla.

A CUSTER COUNTY BARGAIN.

160 acres, 2 miles R. R. station, \$0 in cultivation, 65 fenced in pasture, fine water, four-room house. Price \$2,800; easy terms. Many other bargains. New list free.

HUGHES & SORTER, Custer City, Oklahoma.

SNAP.

160 acres, 10 miles Okeene, 20 alfalfa, 50 wheat, 40 corn land, 50 pasture, house, barn, wells, smoke house. Farm implements, young mare, buggy, etc., go with farm; \$2,500 for 60 days. List free.

RUSSON & PROFIT, Okeene, Okla.

CORN, OATS, WHEAT

and alfalfa and all staple crops grow to perfection here in the garden of Oklahoma. Prices reasonable. Write for list and descriptive literature.

Newkirk, O. E. POCHET, Oklahoma.

EASTERN OKLAHOMA.

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

BLAINE COUNTY OKLAHOMA.

220 acres, level, all tillable, all alfalfa land, house, barn, granary, orchard, fenced, 5 miles 3 railroad towns, 1-3 200 acres growing wheat goes \$12,800. Easy terms. Own other farms.

ED. BAKER, Owner, Watonga, Okla.

CADDO COUNTY, OKLAHOMA.

Corn, wheat, cotton and alfalfa lands, \$20.00 to \$75.00 per acre, according to improvements and distance from town. Lands are advancing rapidly. Now is the time to buy. Write for full information.

J. ELIZA JOHNSTON, Hinton, Okla.

CORN, WHEAT AND ALFALFA LAND

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

J. M. CASPAR, Okeene, Okla.

BARGAINS.

Chicken and garden farm, 2 1/2 acres, new five room house, new barn and yards, close in Enid property; \$3,000, easy terms.

Large seven room house, new, modern, close to school, best residence part of Enid, Okla., \$3,900; terms.

TEXAS & OKLAHOMA LAND CO.,
Enid, Okla.

WHEAT, OATS, ALFALFA, COTTON.

Good lands \$30 to \$60; produce big interest on capital invested. Well located near thriving and growing city. Prices and descriptions free. Correspondence answered in either German or English.

LONE WOLF REAL ESTATE & INVESTMENT CO.,
Lone Wolf, Oklahoma.

TWO EXCEPTIONAL BARGAINS.

560 acres fine second bottom, above overflow, 3 mi. Wagoner, 175 acres cultivation, 25 acres good timber, balance good grass, all tillable and smooth, at \$35.00 per acre. Adjoins land sold at \$42.50.

160, 3 1/2 S. W. Wagoner, good new 5-room house, fair barn, nice young orchard, 80 acres cultivation, balance good hay meadow, at \$35 per acre. Write for information.

W. H. LAWRENCE,
The Land Man, Wagoner, Okla.

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

Kemper Disc Furrow Opener

Used on any planter. Cultivates the ground. Makes loose, mellow seed bed. Plants uniform depth. Gives better stand. Increase the yield 10 bu. or more per acre. Ask your dealer to write for circulars.

WALKER MFG. CO., Council Bluffs, Ia.

OKLAHOMA LAND

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

FREE—Interesting folder describing Alfalfa County, best in Oklahoma. C. Bradley Sons & Co., Cherokee, Okla.

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

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

FOR FREE INFORMATION about Beckham county, Okla., land at \$8,000 to \$8,000 a quarter, write to or call on E. A. HOLMES, Real Estate, Erick, Okla.

MAJOR COUNTY, OKLA.

160 acre farm, \$1,150. 320 acre improved farm, \$2,600. Write for list. Send 25 cents for map of Oklahoma, Texas and sectional map of Major county.

WILL J. GRAVES, Fairview, Oklahoma.

MAJOR COUNTY, OKLAHOMA.

Corn, alfalfa, wheat and broom-corn lands at \$15.00 an acre and up. Great investment opportunities. Great chance for the homemaker. Write for prices, descriptions and full information.

S. E. GOLBY, Fairview, Oklahoma.

ALFALFA FARMS

in the famous Washita Valley. We can sell you as good land as there is in the United States at from \$40 to \$75 per acre. Come and judge for yourself. You will be convinced when you see our beautiful valley.

THOMPSON & McCONAHEY, Pauls Valley, Oklahoma.

WASHITA VALLEY LANDS.

Good corn and alfalfa farm four miles Pauls Valley, one mile State Industrial School, 170 acres, 150 under cultivation. 150 acres Washita Valley, 6 room house. Above overflow. Electric line soon. Price \$10,000.

O. W. JONES, Pauls Valley, Oklahoma.

GOOD FARM.

160 acres, 6 miles Tecumseh, \$0 in cultivation, good buildings, 6 acre orchard, in fine good bearing condition, marketed 1,000 bushels in 1909. Price \$2,500; easy terms. Other farms for sale on small payments and long time.

E. J. DICKERSON, Tecumseh, Oklahoma.

OKLAHOMA LAND.

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

FARM & HOME INV. CO.,
Culbertson Bldg., Oklahoma City, Okla.

560 ACRES of bottom land, 6 miles from Cold Springs and 10 miles from Roosevelt, both railroad towns in Kiowa, Okla. 160 acres in alfalfa, all under fence, most of it hog fence, good improvements, living water, very best of corn and alfalfa land. Price \$22,500. Write for free list of lands in Oklahoma.

TEXAS LAND

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

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

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

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

NEBRASKA LAND

CLOSE TO FAIRBURY, NEB.
If you want to buy one of Nebraska's richest farms, where corn, winter wheat and alfalfa never fail, send for free price list and information.

NIDER & HENRICH,
Fairbury, Nebraska.

I SELL DIRT.
I have for sale one of the best improved ranches in Southwest Nebraska, containing three sets of improvements, the ranch contains 4,760 acres of fine land, 2,500 of which is fine alfalfa land. I have also for sale good farms from 160 acres up; write me.

S. Stelmann, Wameka, Neb.

ALFALFA FARMS, DUNDY COUNTY.
160 acres creek bottom, running water, rich soil; 160 acres will grow alfalfa, 6 mi. to town, house, cave, ice house, barn, sheds, \$25.00 per acre.

160 acre valley farm, black soil, 2 mi. Benkelman, new house, barn, sheds, well, under fence, 30 acres will grow alfalfa, irrigation ditch on land; \$30.00 per acre.
320 acres, improved, divide farm, \$20.00 per acre.

R. D. DRULINER,
Benkelman, Nebraska.

IRRIGATED HOMESTEADS.
In the famous North Platte Valley, where Uncle Sam furnishes the water on ten years time without interest. Crops yield \$25 to \$160 per acre. Homesteads at from \$700 to \$3,500, according to improvements. Deeded land \$75 to \$100 per acre. Free rural mail delivery, telephones and all modern farm conveniences. These lands in splendid settlement of fine homes near town. For particulars write or see.

CARPENTER, PLUMMER & MURPHY,
Morrill, Nebraska.

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

FUNDINGSLAND & SEVERSON,
Sidney, Nebraska.

CHASE COUNTY, NEBRASKA.
Farms and Ranches for Sale.
Ranches from \$5 to \$12.50, good level farm land from \$15 to \$30 per acre, where wheat makes from 15 to 40 bushels per acre and corn from 20 to 50, hog cholera unknown. The undersigned has lived here 2 years and can prove the above statement to be facts. We have the lands for sale and automobiles with which to show it. All inquiries answered. Mention this paper and call on or address.

BONNER & JOHNSTON,
Imperial, Nebraska.

202 1/4 acre farm in Franklin Co., Neb., 9 1/2 mi. from Bloomington, Co. seat. About 200 acres choice bottom, alfalfa and corn land, 60 acres good pasture, fair improvements, fine spring, never failing water, from hill, 30 feet above level of house and barn and 45 feet above level of balance of farm land. One of the most ideal farms and best bargains to be found. Price only \$12,000. Choice 1,250 a. ranch, well improved. Several quarter sections and larger and smaller farms that are bargains. For information see or write.

WM. ANDERSON, Franklin, Neb.

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

DINEEN, RUBENDALL & YOUNG,
Allamore, Nebraska.

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

SCOTT & DAVIS,
Bridgeport, Morrill Co., Neb.

TWO SPLENDID FARM BARGAINS.
400 acre farm in Red Willow county, Neb., 2 1/4 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,
Afton, Nebraska.



Owned by Louis M. Monsees & Sons, Limestone Valley Farm, Smithton, Mo.

KANSAS LAND

GEARY, RILEY, MORRIS AND DICKINSON COUNTY.
corn, wheat, alfalfa, lands; reasonable prices; good terms. These lands are in the garden spot of Kansas; ideal homes and investments. Write for prices, descriptions and further information.
John T. Dixon, Junction City, Kan.

OTTAWA COUNTY FARMS.
In the famous Solomon Valley, where corn and alfalfa make money for the farmers every year. We sell these lands at reasonable prices on good terms. Write for full information.
McMillan Loan & Realty Co.,
Minneapolis, Kan.

MEADOW BROOK FARM.
337 acres, 210 in cultivation, balance pasture, all bottom, mostly subirrigated, sandy loam soil, produces wonderful crops corn, wheat, alfalfa, etc., well improved; price \$21,000.00. Flat of farm and detailed description free.
C. A. Babcock, Harper, Kan.

SOLOMON VALLEY LAND.
200 acres river bottom, 20 timber, 30 alfalfa, balance cultivated, 6 room house, barn, other outbuildings, 3 miles market, 5 county seat. Terms, \$85.00 acre. Other farms, sale and exchange. List free.
A. E. Robinson Land Co., Minneapolis, 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.

LAND BUYER

We have what you want in improved farms. Fine location, good soil, water, R. F. D. and telephone. Prices right. Possession March 1st, any size farm you want. Also 480 acre farm to rent. Too near spring to wait to write, clip this ad and come. Large list to select from.
MANSFIELD LAND CO., 204 S. Main St.,
Ottawa, Kan. Both Phones.

"BIGGEST BARGAIN YET"

Owner leaving country, must sell quick his 160 acres well improved valley farm, 4 1/2 mi. from Lindsborg—all good land, corn and alfalfa soil, 6 room house, large barn, granary, other buildings, all in first class condition. If sold soon owner will take \$8,500. 65 acres in wheat—all go with sale. This farm is worth \$60 per acre. Write.

JOSEPH A. BRANDT,
K-2, Lindsborg, Kansas.

KANSAS LAND

EIGHT THOUSAND ACRES
of fine farming land for sale in tracts to suit purchaser. Address Joe Thomas, Coldwater, Kan.

BEST STOCK FARM IN LEAVENWORTH COUNTY. 1634 acres, 7 miles Lawrence 4 sets improvements, 35 miles Kansas City, in hands one owner 50 years, \$60.00 acre. 640 acres is actually worth \$100.00 an acre. J. D. McNEIL, successor to McQuary-McNeil Investment Co., Merchants National Bank Bldg., Lawrence, Kansas.

WILSON COUNTY BARGAIN.
160 acres, 36 in cultivation, 25 prairie meadow, 3 alfalfa, balance pasture. Good orchard, 5 room house and barn, free gas, near school, R. F. D. price \$35.00 per acre. For further particulars write
Shannon & Marshfield, Fredonia, Kan.

CORN AND ALFALFA FARM.
247 acres fine bottom, 1 1/4 miles town, 160 in cultivation, 30 alfalfa, 75 wheat, fine orchard and grove, 9 room house, barn, all necessary outbuildings. Write for price and list.
Grimes & Stull, Minneapolis, Kan.

160 ACRES, IMPROVED.
8 miles Minneapolis, 5 miles market, 15 pasture, 5 meadow, balance plow land, 1-3 crop to buyer, 1/2 mile school, R. F. D., telephone, \$50.00 acre, terms. Other farms for sale and exchange. List free.
Frank Miller & Co., Minneapolis, Kan.

160 ACRES UPLAND.
140 in cultivation, 10 meadow, 20 pasture, house, barn, well, mill, tank, orchard, R. F. D., telephone: 4 1/4 miles Enterprise, 3 1/4 Chapman, 1-2 of 65 a. growing wheat goes \$6,000 if sold soon. New list free.
Ford & Smeltz, Enterprise, Kan.

560 ACRES
1/2 mile St. Marys, on main line U. F. R. R., 90 miles west of Kansas City: 200 acres under cultivation; 115 fine alfalfa, 85 corn, balance grass; fine improvements; \$58.00 per acre; easy terms.
J. M. Conlan, St. Marys, Kan.

DICKINSON COUNTY FARMS.
Do you want a farm in the best county in central Kansas? I am the pioneer land man and will give you a square deal. Booklet describing fine alfalfa, corn and wheat farms free.
E. G. Tonkin, Abilene, 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.

KANSAS LAND

YOU COULDN'T STEAL THIS, but you can buy it cheaper than you could steal it. 1,438 acres in one tract finest of Kansas land, suitable for a big farm ranch. Fine buildings and lots of them, plenty of it in cultivation. It is priced \$10 too cheaply. Price \$27.50 an acre. 577 acres near Arkansas City, well improved, a hummer at the price, lots of alfalfa and the best corn land on earth. Write for our lists. Howard, the Land Man, Room 15, Turner Bldg., Wichita, Kansas.

FOR SALE.

200 acres good soil, 3 miles from Atchison, 1,500 people, 45 acres in Jonathan, Ben Davis and Missouri Pippin apples, rest in crops and pasture with running water, eight room house, barn and well with windmill near house, also 3 room house with excellent cellar and chicken houses, all in good repair. Price \$100 per acre. Will sell all or half. For terms address
Box 384, Atchison, Kan.

FOR QUICK SALE.

400 acres, 200 in cultivation, 80 in wheat, 5 alfalfa, well improved, 180 pasture, 30 hay, 3 1/4 miles from good trading point, \$40 per acre.
W. J. Gordon, Washington, Kan.

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.

Stock Ranch Bargains

640 acres, 140 in cultivation, 40 meadow, 378 pasture, timber, 12 miles Junction City, 5 1/4 shipping station, German Methodist neighborhood. Owned by non-resident. Price \$27.50 an acre. Adjoining section, \$30. Other ranches. Cut this ad out—it will not appear again.

TEMPLETON & ROHRER,
Junction City, Kansas.

ACT QUICK.

880 acre ranch, 250 in cult., bal. good grass, pasture fenced, living water in pasture, house 7 rooms, granary 30x34, stable for four teams, cow barn, sheds, lots, well, windmill, tank, 10 a. timber, 6 mi. Spearville; price \$7.00 acre; terms; no trades; good for big list. Address
STINSON & WEYAND,
Spearville, Kan.

FARM BARGAINS NEAR TOPEKA.

320 acres, 10 miles Topeka, 5 mi. small town, all smooth land; 225 acres cult., bal. all smooth pasture; 100 acres wheat; improvements; good 7 room 2 story house, big new barn, good outbuildings; good orchard, 100 acres fenced hog tight. Good water. This is the best upland half section in Shawnee county. Price \$70 per acre.
180 acres improved, 9 mi. out, \$50 per acre. 160 acres, well improved, 10 mi. out, \$60 per acre. 160 a. 10 mi. out, all bottom, well improved, 2 miles good town, \$100 per acre. 158 acres 9 mi. Topeka, 1 1/4 mi. station, well improved, \$50 per acre. Farms of all sizes and prices. See us before buying, as we have the big farm trade of this locality.

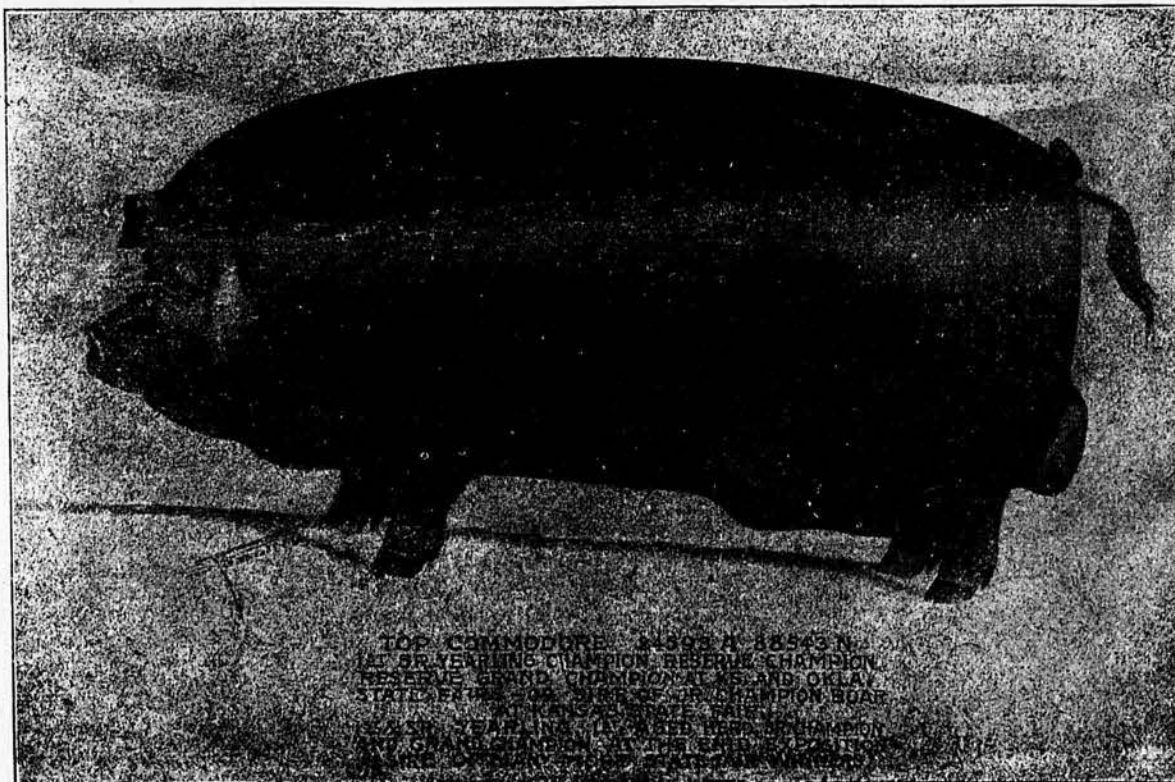
GILLET & GILLET,
104 W. Fifth St., Topeka, Kan.

COLORADO LAND

FOR SALE.

Plenty of Alfalfa, Fruit and Farm Lands, in all parts of Colo. at bargain prices. Write for our list.

H. R. LUTES,
Room 207 Empire Bldg., Denver, Colo.



Top Commodore is owned by S. W. Alfred & Son, Sherrill, Kan., who will hold a bred sow sale at Enid, Okla., on March 24.

AUCTIONEERS

L. E. FIFE,

LIVE STOCK AUCTIONEER.

Newton, Kansas.

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

COL. JOHN D. SNYDER

LIVE STOCK AUCTIONEER.

Sales made everywhere. Write or wire me for dates. Prices reasonable.

WINFIELD,

KANSAS.

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.

R. L. HARRIMAN

AUCTIONEER

PEDIGREED LIVE STOCK

Write me for dates.

BUNTON, MO.

J. H. MOORMAN.

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

SOLOMON,

KANSAS

HORSES AND MULES

FOR SALE.

Extra good black Percheron stallion, sure breeder, a ton horse. GEO. GROENMILLER, Pomona, 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.

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE

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

H. N. HOLDEMAN,

Meade,

Kansas.

FOR SALE—I have a good road or general purpose stallion (Standard bred, but not registered) sired by Douglas Almont (0298), by Allie Galves by Almont (32), dam by Champlintonian by Hambletonian 10. Bred by the present owner, has never been abused and is a sure foal getter and gets good ones. Fine disposition. \$300 will buy him. Address "H," Box 314, Baldwin, Kan.

M. H. ROLLER.

J. O. ROLLER.

Breeders of registered jacks and jennets. For sale, 14 jacks and 20 jennets, 14 to 16 hands. All black. We raised all of these jacks and broke them. We are not speculators and you get them first hands if you buy from us, \$9 miles N. W. of K. C., 65 miles W. of Leavenworth. 6 passenger trains daily except Sunday, 2 Sunday Write for catalog—free for asking if Kansas Farmer is mentioned. M. H. & J. O. Roller, Circleville, Kan.

JACKS.

I have on hand a large collection of the best stallions the world produces. I have the best line of big boned, dapple gray and black, ton stallions that can be shown in the United States this season. These stallions measure from twelve to fourteen inches below the gamble and from eleven to thirteen inches below the knee and carry corresponding quality. They run in weights from 1,800 to 2,630 pounds each. I am offering greater attractions in stallions than any other importer. Prices the lowest. I have also forty big imported mares, all in foal, for sale.

W. L. DECLOW, Cedar Rapids Importing Farm, Cedar Rapids, Iowa. Register your jacks in the American Jack Register. Write for blanks.

JACKS AND JENNETS

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

YATES BROS.,

Faucett, Mo.

STALLIONS AND JACKS

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

BRUCE SAUNDERS,

Holton,

Kansas.

KENTUCKY MAMMOTH JACKS.

Jacks, jennets and saddle horses. 260 head to select from. Tamworth swine, all ages. Catalogs now ready.

J. F. COOK & CO.,

Lexington,

Kentucky.

Samuelson Bros. Successful Sale Circuit.

The three big Duroc Jersey bred sow sales pulled off by the Samuelson Bros. at Manhattan, Cleburne and Blaine, Kan., were attended by large crowds and very satisfactory prices received. There was 166 bred sows and gilts and 20 summer and fall pigs sold in the three sales for \$4,958. While quite a large per cent of the three offerings went to farmers it will be seen by attached report that several leading Kansas breeders were good buyers.

15—J. Cowan, Manhattan, Kan.....	\$42.00
16—Gets Bros., Manhattan, Kan.....	\$2.00
17—Gets Bros., Manhattan, Kan.....	\$0.00
18—G. I. Moyer, Manhattan, Kan.....	\$8.00
21—J. A. Miller, Wakefield, Kan.....	\$4.00
22—J. Glenn, Manhattan, Kan.....	\$9.00
26—E. J. Flannigan.....	\$9.00
27—Ben Modine, Cleburne, Kan.....	\$8.00
28—Ben Modine.....	\$7.00
29—Thompson Bros., Garrison, Kan.....	\$8.00
30—G. J. Starius, Cleburne, Kan.....	\$4.00
31—T. W. Peterson, Cleburne, Kan.....	\$4.00
34—C. Erickson, Cleburne, Kan.....	\$3.00
35—J. H. Heller, Randolph, Kan.....	\$4.00
36—E. C. Erickson, Cleburne, Kan.....	\$7.00
38—J. W. Johnson, Cleburne, Kan.....	\$6.00
101—L. W. Walters, Seward, Kan.....	\$2.00
102—A. G. Johnson, Cleburne, Kan.....	\$2.00
103—Frank Munson, Olsburg, Kan.....	\$1.00
104—G. M. Hammond, Manhattan, Kan.....	\$2.00
107—L. W. Walters, Seward, Kan.....	\$1.00
108—J. W. Johnson.....	\$5.00
109—L. W. Walters.....	\$6.00
110—Ed. Lundin, Cleburne, Kan.....	\$9.00
112—Ben Modine.....	\$2.50
115—G. O. Maxwell, Cleburne, Kan.....	\$7.00
116—Albert Nohlin, Cleburne, Kan.....	\$0.00
117—H. H. Erickson, Cleburne, Kan.....	\$3.00
118—Allen Foy, Manhattan, Kan.....	\$2.00
119—John Foy, Manhattan, Kan.....	\$4.00
120—F. W. Hinds, Manhattan, Kan.....	\$4.00
121—G. I. Moyer, Manhattan, Kan.....	\$1.00
122—G. I. Moyer, Manhattan, Kan.....	\$1.00
11—Geo. Hammond, Manhattan, Kan.....	\$4.00
12—Levi Thelort, Wamego, Kan.....	\$0.00
13—M. O. Sargent, Manhattan, Kan.....	\$0.00
144—M. W. Erickson, Olsburg.....	\$6.00
147—L. Carlie, Westmoreland, Kan.....	\$1.00
148—J. M. Young, Fall River, Kan.....	\$4.00
149—John Welch, Blaine.....	\$0.00
152—Fred Ford, Blaine.....	\$2.00
153—E. Good, Blaine.....	\$9.00
157—T. N. Martin, Blaine.....	\$1.00

A very good crowd, composed mostly of farmers, attended the A. Wolfersperger's bred sow sale held at Lindsay, Kan. The offering was one of the best of the season and prices ranged low considering the kind that was sold. Milton Stout, of Minneapolis, Kan., topped the sale at \$70, buying No. 6 a tried sow. Thirty-eight bred sows and gilts, a number of which were bred late, sold for an average of \$35.90. An incomplete list of sales follows:

1—C. H. Pilcher, Glasco, Kan.....	\$54.00
2—R. Reiburg, Minneapolis, Kan.....	\$7.50
3—F. C. Streibel, Alton, Kan.....	\$4.00
4—W. A. Davidson, Simpson, Kan.....	\$4.00
5—Milton Stout, Minneapolis, Kan.....	\$70.00
6—Milton Stout.....	\$70.00
7—Dan Murphy, Niles, Kan.....	\$5.00
8—C. W. Jones, Solomon, Kan.....	\$27.00
10—L. T. Merryfield, Minneapolis, Kan.....	\$4.00
11—W. H. Sales, Simpson, Kan.....	\$2.00
12—G. W. Nowles, Glasco, Kan.....	\$1.00
13—R. Reiburg.....	\$8.00
17—O. L. Thisher, Chapman, Kan.....	\$2.00
18—Wm. Coughlin, Minneapolis, Kan.....	\$3.00
19—R. Reiburg.....	\$7.50
20—Colorado Experiment Station.....	\$4.00
21—Wm. Coughlin.....	\$2.00
22—G. W. Nowles.....	\$4.00
23—O. L. Thisher.....	\$1.00
24—L. T. Merryfield.....	\$7.50
25—F. C. Bundy, Glasco, Kan.....	\$4.00
26—R. Reiburg.....	\$5.00
27—Milton Stout.....	\$0.00
28—C. Fisher, Bennington, Kan.....	\$2.00
30—C. Fisher.....	\$8.00
31—Alf. Ferguson.....	\$3.00
32—Wm. M. Thomas, Minneapolis, Kan.....	\$9.00
34—Grant Dalrymple, Verdi, Kan.....	\$0.00
35—R. Startzman, Minneapolis, Kan.....	\$1.00
37—C. Fisher.....	\$1.00
38—Ire Sewell, Minneapolis, Kan.....	\$0.00
39—L. W. Haley, Minneapolis, Kan.....	\$3.00
40—E. S. Hubbard, Minneapolis, Kan.....	\$9.00
41—Chas. Ritter, Junction City, Kan.....	\$4.00
42—Frank Zeek, Minneapolis, Kan.....	\$0.00
44—Hurry On I Am, Earl West, Minneapolis, Kan.....	\$4.00

The Gifford and McMillan Percheron Sale. On Friday, March 4, at Beloit, Kan., Mr. J. A. Gifford, the well known Percheron breeder, will disperse his entire stud of Percheron horses. His consignment will consist of 14 head, 12 of which are mares from 1 to 10 years of age. The offering will include the breeding and show stallion Pioneer, which is classed by Mr. Gifford as probably the greatest stallion of this breed ever sold under the hammer. While this stud is not a large one it is recognized for its quality in Mitchell county, which is the Percheron center of Kansas as well as throughout to entire west. Included in this sale there will be a car load of show stallions from the Lakewood stud of H. G. McMillan & Sons, of Rock Rapids, Ia. Mr. McMillan is one of the highest possible authorities on Percherons in the west, and the owner of the famous Calypso, who has never been beaten in the show ring. With the 16 stallions consigned by McMillan, 2 by Gifford and 12 mares by Gifford this will certainly make a sale that will be long remembered in the annals of Kansas Percheron history.

THE STRAY LIST

Lyon County—O. K. Miller—Clerk. HEIFER—Taken up, Nov. 1, 1909, by J. M. Steward, in Emporia Tp., one red heifer, valued at \$20.

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

Reno County—A. R. Hamma, Clerk. HORSE—Taken up, by C. C. Smith, in Valley Tp., one dark bay horse, 9 years old, small wart on right side of neck, saddle mark; valued at \$20.

Neosho County, M. Johnson, Clerk. SOWS—Taken up, on or about Jan. 1, 1910, by L. H. Anderson, in Centerville Tp., four sows as follows: Two of them gilts, Poland Chinas, color black, one with some spots, each weighing about 200 pounds, age supposed to be 8 or 9 months each. One black Poland China sow weighing about 300 pounds, and one black Poland China sow weighing about 275 pounds, with a split snout dropping down on each side. The age of the old sows being a year old or older, possibly 2 years old; value of 4 sows, \$85.

THE TOWER SURFACE CULTIVATORS

Spare Every Plant Root and Slaughter Every Weed.



"Our One Way" to grow corn, cotton, sorghum, potatoes, etc., is proved true by 30 years of successful introduction of Towers' Surface System of Cultivation. Legions of farmers have accepted it and agricultural experts endorse it. To those not yet convinced that the shovel plow is convicted of "plant-slaughter" we wish to send our free literature, including an illustrated "Treatise on Corn Culture." If you would increase your crop address the original manufacturers of Surface Cultivators.

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

(One Right Way.)

Mitchell County Breeders' Association

C. B. KERN, President.

J. F. HOWARD, Secretary.

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

SHORTHORN CATTLE.

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

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

LOCUST GROVE SHORTHORNS.

Will sell three extra good Scotch topped yearling bulls in the F. B. Cooke Dispersion Sale Feb. 22. Send for catalog. Elmer C. Creitz, R. 7, Beloit, Kan.

BOOKDELL STOCK FARM.

Shorthorn cattle, Poland China hogs, Silver Laced Wyandottes.

E. E. BOOKER & SON, Beloit, Kansas.

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

HEREFORD CATTLE.

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

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

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

PERCHERON HORSES.

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

REGISTERED PERCHERON HORSES

In stud; Imported Rabelais 43529 by Cosaque by Theldus, who sired Calipso and Casino. Visitation welcome. C. J. JOHNSON, Solomon Rapids, Kan.

THE HOME OF JAQUE W. 42689 by Tlatrey, dam Imported Risette. Inspection of my Percherons invited. RALPH G. McKINIE, Glen Elder, Kansas.

On Monday, Feb. 21, T. F. Johnston of Garfield, Kan., will sell a draft of his Durocs. Mr. Johnston will be known among the older Duroc breeders, having bred this famous hog in Missouri for several years. Mr. Johnston has one of the good herds in Kansas, and will sell 43 head of brood sows safe in pig for early litters. A part of these sows are sired by W. L. A's Choice Goods and out of the great brood sow, Topsy Bell, one of the greatest brood sows ever shown. Part of the sows are bred to Pawnee Chief by Valley C. and out of a Proud Advance sow. All the offering is in fine shape and all bred to high class boars. There will also be sold in this sale five Shorthorn bulls. Don't fail to attend this sale.



H. & H. WOLF and DAVID COOPER

Imported and Home Bred Belgian Stallions.

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

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

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

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

POLAND CHINAS.

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

POLAND CHINA BRED SOWS.

Wednesday, February 16th, we will sell bred sows at the farm 10 miles south of Beloit, Kan. LOGAN & GREGORY, Beloit, Kan.

DUROC JERSEYS.

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

DUROC BRED SOW SALE.

50 champion bred sows at auction Tuesday, February 1, at my farm close to Beloit. Catalog ready. Address PEARL H. PACETT, Beloit, Kan.

HAMPSHIRE.

HAMPSHIRE HOGS. 40 spring pigs, both sexes, for sale. Write for prices. A. B. DOYLE, Rural Route 1, Beloit, Kan.

O. I. C. SWINE.

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

AUCTIONEERS.

COL. H. H. VANAMBURG

General and Live Stock Auctioneer. PHONE 434. BELOIT, KAN.

COL. F. L. SMITH

General and Live Stock Auctioneer. PHONE 945. BELOIT, KAN.

FOR SALE. The thoroughbred imported French Coach stallion Vivier is for sale. Any one desiring information address the undersigned. C. E. MILLER, Chairman Sales Com. Atchison, Kan.

JACKS AND STALLIONS

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

G. M. SCOTT.

Rea. Mo.

STALLIONS AND JACKS.

2 black Percheron stallions. 2 Chestnut Stallions (Standard bred). 1 Spanish Jack. 1 Mammoth Jack. No better individuals or surer sires in Kansas. You run no chances. Their colts are here to show. All qualified under the Stallion law. If you want the very best at reasonable prices, come quick.

SUTTON FARMS,

Lawrence,

Kansas.

5-ft. Boiler Steel Hogtroughs \$1.95

Write for free descriptive circular. "Made of Heavy Boiler Steel 11-16 in. Thick" FULTON SUPPLY CO., 1917 Union St., Chicago, Ill.

FRANK IAMS'

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

"SIT UP AND TAKE NOTICE"

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

200--PERCHERONS AND BELGIANS--200



two to six years old, weighing 1,700 to 2,500 pounds; 90 per cent blacks, 50 per cent ton stallions. All registered and branded. He sells "toppers" at \$1,000 and \$1,400 (few higher), mares \$700 to \$1,000, so good they need not be "peddled" or put on the "auction block" to be sold. Iams' "selling clothes" fit all buyers. No man with money or bankable notes gets away from Iams. He buys, owns and sells more stallions than any man in the United States; saves thousands of dollars to stallion buyers. 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 \$3,000 and \$5,000! Mr. Buyer, see Iams' stallions yourself. Take no stallion salesman's word. "Iams has the goods you read about." His establishment is worth going 2,000 miles to see. Iams' competitors "holler." He is knocking "high prices" out of the Xmas tree. Iams saws wood, "butts in," sells more stallions each year. He makes every statement good. Big Bill, buy a stallion of Iams. His \$1,200 stallions are much better than our neighbors paid those Ohio men \$4,000 for. Then I can wear diamonds. Iams speaks the languages, buys direct from breeders, pays no buyers, salesmen or interpreters; has no two to ten men as partners to share profits with. Iams guarantees to sell you a better stallion at \$1,000 to \$1,500 than are sold to stock companies at \$2,500 to \$5,000 by slick salesmen, or pay you \$500 for your trouble, you the judge. Iams pays horses' freight and buyers' fare; gives 60 per cent breeding guarantee. Iams' guarantee is backed by one-half million dollars.

Write for Million Dollar Horse Catalog. Greatest on Earth.

References—St. Paul State Bank and Citizens' National Bank,

ST. PAUL, NEBRASKA

ROBISON'S PERCHERONS



—FOR SALE NOW—

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

PRICES RIGHT.

J. C. ROBISON, - - Towanda, Kansas



HORSE MEN

We want to call your attention to our fine lot of IMPORTED AND AMERICAN BRED STALLIONS AND MARES. SHIRES PERCHERONS BELGIANS

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

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

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,

KANSAS.

35 Jacks & Jennets 35

Few good Percherons and

saddle stallions. Jacks 14

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.



Dunham's Percherons



Next large importation of stal-

lions and mares, February 10th.

which, added to our present

stock, offers intending

purchasers the finest

collection in America. If

you want the best

horses, horses with bone,

quality, size, action and

best breeding stallions

or mares; if you want

fair and liberal treat-

ment; if you want lowest prices con-

sistent with good merchandise, visit

Oaklawn. Catalog shows the place and

the horses.

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

WAYNE, ILL.

4th Annual Sale of JACKS AND JENNETS

Lafayette County Jack Farm

1 mile east of Higginsville, on main line C. & A. and Lexington & Se-dalia Branch of Mo. Pacific, 55 miles east Kansas City.

Monday, February 28, 1910

50 Head High Class, Registered Black Jacks & Jennets



Every animal registered and guaranteed as represented. Nothing priced or sold after cataloged. Free conveyance from town to sale. Catalog now ready. If interested write for catalog and come to the sale. You will not be disappointed, but highly pleased, as I am offering the best bunch of jacks that I have ever had the pleasure of offering to the public. They have been picked from the best strains of blood in Missouri and Kentucky. Every one a black one, with size and quality combined. I will be pleased to meet you and entertain you at my expense. Stop at the Arcade Hotel, opposite C. & A. depot.

W. J. FINLEY,

Higginsville, - - - - - Missouri

1881- O. P. HENDERSHOT -1910

Likes Lincoln for Business

I have averaged selling two horses for each day since opening my sale barns at the Fair Grounds. With my fresh importation of Percheron and Belgian stallions, I now have more stallions, mares and jacks than any other Nebraska dealer, I think.

My ton stallions weigh 2,000 lbs. My brood mares are breeders; my prices and guarantee will please you; my terms are cash and defy competition, quality considered. Office at Capitol Hotel. Barns at State Fair Grounds. Take North 25th St. car.

Write for new catalog describing 100 head. My patrons are my friends. I want your friendship. Address all mail to Lincoln, Neb.

O. P. HENDERSHOT, Capitol Hotel, Lincoln, Neb.



Percheron Stallions

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

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



Imported Percheron Mares and Stallions

For sale, several nicely matched teams of two and three year old Imported Percheron mares, bred, black and grays. Several extra good two and three year old Imported stallions. We handle only the best. Come and see us.

J. A. FEE & SONS, STAFFORD, KAN.

FOR SALE AT RIVERSIDE STOCK FARM.

5 Percheron Stallions from 2 to 5 years old, 5 Percheron mares from 15 months old to 5 years old. A pair of registered matched Belgian mares. All registered and breeding guaranteed.

A fine young registered Shorthorn Herd with Royal Gloucester at the head, a pure Scotch bred bull. I will trade this herd on a good farm.

Chapman,

O. L. THISLER & SONS,

Kansas.

JACK SALE

33RD ANNUAL SALE

Limestone Valley Farm

TUESDAY AND WEDNESDAY,

March 1 and 2, 1910



100 Head High Class Registered Jacks, Jennets and Saddle Horses.

20 head of the best aged jacks that you ever saw together; 20 head of the best breeding jennets that you ever saw together and now in foal to the World's Grand Champion Jack, Orphan Boy 696.

40 head of the best young jacks and jennets that you ever saw together, sired by the two greatest jacks in the world, Limestone Mammoth 298 and Orphan Boy 696.

20 HEAD HIGH CLASS REGISTERED SADDLE HORSES.

We live in Missouri and are ready to "show" you, and if you will come and see and we do not make good, we will pay your expenses and we do not care what part of the world you come from—a proposition made by no other breeder or dealer in the world.

Farm two miles north of Smithton main line Missouri Pacific railroad, and six miles east of Sedalia, Pettis County, Missouri, main lines Missouri Pacific and M. & T. railroads.

A special train from Sedalia to Smithton and return each day of sale. Free conveyance from Smithton to sale. If interested, please write for illustrated catalogue, as we can send catalogues to only those who write for one.

We shall be pleased to have you attend. You will not be disappointed, but highly pleased.

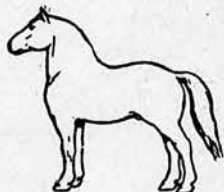
L. M. Monsees & Sons,
SMITHTON, PETTIS CO., MISSOURI.

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



—PERCHERONS— SHIRES - BELGIANS

We received on Dec. 30th at our So. St. Joseph barns another carload of Percherons. All of our stallions and mares are imported; no home-bred, short-bred scrubs.

Our prices are the very lowest if you want a square deal, with the best and safest insurance and guarantee. All street cars going south from Union Depot pass our barns; one block from Transit House, one block from the South St. Joseph depot.

PERCHERON IMPORTING CO.,

Chas. R. Kirk, Pres., So. St. Joseph, Mo.

BLUE RIBBON STOCK FARM

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

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



HOLLAND STOCK FARM

IMPORTERS AND BREEDERS OF

Percheron and German Coach Stallions and Mares!

Do you want to buy a stallion for cash?

Go to the Holland Stock Farm.

CHAS. HOLLAND, Prop.

-:-

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.

PERCHERONS, SHIRES SADDLERS and JACKS



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

Fred Poes, Petter, Kan.



For Sale

27 Missouri Mammoth jacks and jennets. 3 stallions and Hereford cattle. J. T. Watson New London, Ralls Co., Mo.

30--PERCHERONS--30 Stallions and Mares

AT AUCTION AT

Beloit, Kan., Friday, March 4

This is a dispersion of the well known J. A. Gifford Percheron stud numbering 14 head. 12 are mares from one to ten years of age. One year and a half stallion colt and the great breeding and show stallion, Pioneer. Probably the greatest stallion ever sold under the hammer. Mr. Gifford is the well known authority on Percherons and while his Percheron stud is not large in point of numbers it is one of the best in the west and in Mitchell county, the well known Percheron center.

LAKEWOOD SHOW STALLIONS

H. G. McMillan & Sons, Rock Rapids, Iowa, recognizing the strong demand from Kansas for high class stallions have decided to sell in this sale with Mr. Gifford 16 show stallions from their famous Lakewood Percheron farm. This is to be a red letter day for lovers of Percherons. For a catalog address, either

J. A. GIFFORD, Beloit, Kan.

H. G. McMILLAN & SONS, Rock Rapids, Ia.

Col. Woods, Auctioneer.

Jack and Jennet Sale Fairview Stock Farm Thursday, Mch. 3, '10

25 big Mammoth Jacks, all good bred and all good breeders, including Tennessee King, grand champion of the world, 12 head 15½ hands and up, 20 head 15 hands and up, 5 head 14½ hands and up.

15 head of big Mammoth Jennets, a grand, useful lot of tried mothers. All safe in the foal to the best jacks in the state.

An extra well bred bunch of big black jacks and jennets. Jacks that weigh 1,200 pounds, jennets as good as the best. We breed 'em, we grow 'em, we show 'em, we buy 'em, we sell 'em.

Send for our great illustrated catalog. We can please you. You are invited to attend this sale.

PETTY BROS.,
SEDALIA, MO.

LAKEWOOD FARM

The Greatest Breeding Establishment in the World.

Calypso, the world's champion, at head of stud. Sensational show record: 30 prizes awarded Lakewood Percherons at International 1909, 12 of which were firsts and championships, a record never before equaled by any one other exhibitor. In addition Lakewood Percherons won 155 prizes at the great state fairs and expositions of the west the past season, 76 of which were firsts and championships. A grand lot of big-heavy boned stallions, and a choice selection of mares at prices that defy competition. If you want the best, do not fail to visit Lakewood Farm before buying.

H. G. McMillan & Sons, Rock Rapids, Ia.

Branch Barns: Sioux City, Ia.

Great Falls, Mont.

GREAT BIG SMOOTH POLAND CHINAS AT AUCTION

WEDNESDAY, FEB. 23, 1910

AT FARM ONE MILE WEST OF
PAWNEE CITY, NEBRASKA

40 head consisting of tried sows and last February and March gilts, bred for early farrow, mostly to the great boar, Looks Grand, the boar that sired the sensational offering made by H. S. Chapman & Sons last fall. More than half of the gilts were sired by my herd boar, Growthy King by Long King, the 1,110 pound boar. His dam was P. W.'s Giant-ess, representing one of the most noted of all big Poland China families. Among the attractions in tried sows are Lengthy by Big Hadley, Flossie X by Expansion See, Flora by King Do Do and Lady Johnson by Johnson's Chief. The other sows and gilts are by Looks Grand and Pfander's Pride.

This is a select offering, many of the gilts weighing around 400 pounds. I have bred Poland Chinas for twenty years and invite you to this sale with the conviction that the offering is composed of the most profitable type of hogs that there is in existence today. Write for catalog. If interested and unable to attend send bids to any one connected with the sale.

L. W. Leonard, Auctioneer. Jesse Johnson, fieldman for Kansas Farmer.

G. S. HAMAKER
PAWNEE CITY, NEBRASKA

W. T. FITCH'S ANNUAL BRED SOW SALE

MINNEAPOLIS, KAN.
Monday, Feb. 21.

My offering on the above date will be my regular annual sale and by far the best offering I have ever made. Thirteen tried sows go in this sale, 2 by Top Notcher Chief, one of which was a winner in the Mitchell County Fair this season, and both are bred to Fitch's Kant. One Fancy Chief sow that won as a pig at Hutchinson, 1 Belle's Chief sow, 1 by Improved 2d, 2 granddaughters of Proud Advance, 3 fall yearlings by Beauty's Wonder and out of a Kant Be Beat dam, 2 by King of Cois. 2d and out of a Model Chief Again dam. The balance of the offering are spring gilts. Also a herd boar of note. The sale will be held at my farm near Minneapolis. Free accommodations at the Stratton house and free transportation to the farm. Catalogs are now ready.

W. T. FITCH, PROP.
MINNEAPOLIS, KAN.

Auctioneers: John Brennen, G. W. Barker. J. W. Johnson, Fieldman.

45 - HEAD - 45 Poland Chinas

—Will sell at—

LOUISBURG, KAN. MAR. 4, 1910

The attractions are 5 tried brood sows, 5 extra good fall gilts sired by Donald Perf. and bred to Panic by Meddler 2d, 3 good gilts by Royal Tourist, 20 very fine gilts by Panic. Everything nicely bred and in good condition. Send for catalog and come to my sale. If you cannot come send bids to O. W. Devine, representing the Kansas Farmer. Catalogs are ready to mail out. Address

I. R. BERKEY
LOUISBURG, KANSAS

Auctioneer, Col. Lafe Burger, Wellington, Kan.

DUROC SALE

40 Head Bred Sows

T. F. Johnston will sell a choice offering of Brood Sows and Gilts at

GARFIELD, KAN., FEBRUARY 21

The sows are sired by such boars as Prince John 77221, Pawnee Chief 84443, W. L. A.'s Choice Goods 42409, and Christie 76895. They are bred and safe in pig for

Early March Litters

to T. F. J.'s Choice Goods 90913, Pawnee Chief, by Valley Chief, by Ohio Chief and out of a Proud Advance dam.

He will also sell Pawnee Chief, a great Herd Boar, and five head of Shorthorn bulls. Write today for catalog. Attend the sale. Free hotel accommodations for those coming from a distance.

John D. Snyder, Lawry Webb, Auctioneers. O. W. Devine, Fieldman representing Kansas Farmer.

T. F. JOHNSTON, Garfield, Kan.

SHORTHORN CATTLE

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.

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 31135. Farm adjoins town. Come and see us.
W. T. LOWE, Jewell, Kan.

SCOTCH TOPPED BULLS.

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

A CAR LOAD 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, 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.

SHORTHORN CATTLE

EVERGREEN HOME FARM.
Milking Shorthorn Cattle, Bred Hornless, Berkshire Hogs, Oxford Down Sheep, Bourbon Red Turkeys.
LATHROP, MISSOURI

FOR SALE.

12 bulls, 12 to 18 months; 20 cows and heifers for sale.
Shaw Bros., Glade, 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 230599. Young stock of both sexes and some cows for sale. Quality and prices right.
H. W. McAFEE, Topeka, Kan.
Bell Phone 59-2.

SHORTHORN BULLS

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

If you are looking for a young Shorthorn Bull

to head your herd right in every way, write us for full particulars at once.
C. G. COCHRAN & SONS, Plainville, Kansas.

When writing advertisers please mention this paper.

DISPERSION SALE OF SHORTHORNS

To be held on the farm of F. P. Cooke,
9 miles south and 1 west of

Beloit, Kan., Tues., Feb. 22

36 HEAD—7 bulls including the prize winning Scotch bred herd bull, Highland Laddie No. 243179, a great show and breeding bull weighing 2200 pounds with splendid confirmation on the shortest of legs. The young bulls are a splendid lot all reds, some of them fit to head any herd.

The cows old enough to breed are all safe in calf to the Scotch bred bulls, Duke of Dundee, Highland Laddie, or Select Goods Jr.

My prize winning show heifers of 1909 are all included in this sale, 12 heifers by Select Goods, he by the great champion, Choice Goods.

The cows in this sale are a splendid lot in just good breeding condition that are all ready to make money for the purchaser.

Auctioneers, F. L. Smith, H. H. Van Amburg.

Send for catalog, mentioning Kansas Farmer.

F. P. Cooke, Chas. S. McCleary,
Beloit, 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, Chillicothe, Kan.

BELVEDERE X2712-195058

Son of the \$1,500 Grand Victor X1685 150364 heads my herd of Double Standard Polled Durhams. A few extra good blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town.
D. C. VAN NICE, Richland, Kan.

HEREFORD CATTLE

FOR SALE.

200 head grade white-faced two year old cows, bred to registered white-faced bulls. Located on farm joining Williamsburg, Kan.
A. M. Duff, 406 Scarritt Bldg., Kansas City, Mo.

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.

ANGUS CATTLE

25-BULLS ANGUS 25

Ready for Service.

30-BRED COWS AND HEIFERS—30
Sired by or bred to Champion Ito, sire of 1st Prize Calf Herd at American Royal.
10-SHROPSHIRE EWES IN LAMB—10
To our Imported Show Ram.

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

VIEW POINT ANGUS HERD.
15 choice cows in age from 2 to 7 years. Representatives of the Heroine, Mina, Duchess and Dimple families. All of them raised calves the past season and are bred for March calves to the great Louis of Meadow Brook, sire of champions. Nearly all of these cows were raised on our farms and are only being sold to reduce the size of herd. Low prices. Mention this paper when writing.
PAUL M. CULVER, Edgerton, Mo.

HOLSTEIN CATTLE

HOLSTEIN BULLS

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

EAST SIDE DAIRY HOLSTEINS
for the year 1909 have enjoyed an exceedingly prosperous business by having sold over 100 head to various Dairy Farmers and breeders over this State and others. If good breeding and the large Milk and Butter producers are appreciated by those desiring better Dairy cows I should have my hands full filling orders for 1910. Write me your requirements.
F. J. SEARLE, Oskaloosa, Kan.

JERSEY CATTLE

LINSCOTT JERSEY CATTLE

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

RED POLLED CATTLE

AULD RED POLLS.

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

AULD BROS.,

Frankfort, Kansas.

FOSTER'S RED POLLS.

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

HAMPSHIRE SWINE

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

W. F. DAVIS, So. St. Joseph, Mo.

BERKSHIRES

BRAEBURN BERKSHIRES.

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

RIDGEVIEW BERKSHIRES.

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

Manwaring Bros., Lawrence, 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, Berryton 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.

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.

Protect Your Family's Interest.

Most conclusive proof that the right kind of lightning conductors are valuable is furnished by a recent annual report of the Iowa Mutual Insurance Companies, which shows the lightning loss in one year on rodded buildings was \$1.00, against \$34,386.48 where no rods were used. In Iowa pure soft Copper Cable Lightning Conductors are used almost exclusively. More and more farm owners are recognizing that to leave their homes and buildings without this necessary protection is a terrible risk and a gross injustice to their dear ones, for even should the lightning strike, by some miracle, fail to kill any of the family, it is still liable to burn in a few hours what represents the labor of years. Your children's heritage may be wiped out in less time than it takes to tell it. The question for you to decide is not, "Do I need a lightning conductor," but "what conductor shall

POLAND CHINAS

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

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

HIGHVIEW BREEDING FARM.

The only registered herd of big boned spotted Polands on earth. Write for catalog of my big bred sow sale, Feb. 15.

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

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.

POLAND CHINA SALE, JAN. 24, 1910.

23 bred sows, 10 gilts, 10 boars, 17 summer and fall pigs. Send for catalog and come to my sale.
Chas. H. McAllister, Carmen, Okla.

RIDGEVIEW POLAND CHINAS.

Headed by Union Leader 502507. Growthy pigs, both sexes, for sale. Also two yearling boars by Old Expansion. Description guaranteed.

W. R. Webb, Bendena, Kan.

FOR SALE

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

JEWELL BROS.,

Humboldt, Kansas.

SNYDER BROS.' HIGH CLASS POLAND CHINAS.

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

DUROC JERSEYS

GILTS RESERVED FOR MY FEBRUARY 2 BRED SOW SALE.

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

E. M. MYERS,

Burr Oak, Kan.

DUROC JERSEYS

BOARS BOARS BOARS BOARS

15 good ones left sired by the \$2,500 King of Col's 2nd. Prices consistent with time of year. Bred sow sale at Clay Center, Feb. 17th.

FRANK ELDER, (Successor to Grant Chapin) Green Kan.

R. & S. FARM.

In their Bred Sow Sale, Feb. 3, 1910, at Smith Center, Kan., will offer about 40 select Golden Ruler Gilts bred to King of Kant Be Beat 88333, and R. & S. Prince of Col's 88797. Also a few tried sows bred to Golden Ruler 20558. King of Kant Be Beat is 2 years old and weighs 800 lbs. Has a 10-inch bone and stands perfect on his feet. Breeders should sit up and take notice of such an offering.
Rinehart & Slagle, Smith Center, 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.

CEDAR LAWN HERD.

Nice lot of spring boars, sired by Long Wonder, Belle Chief, Rose Bell and Top Model, a choice lot of fall gilts open or at once, priced right to sell quick. Write me at once.
F. M. Buchheim, R. D. 8, Lecompton, Kan.

BRED SOWS AND GILTS FOR SALE

By Bonney K 47075 or others bred to him. Also both sows and gilts bred to him. Bred 2nd. I will sell choice bred sows with Pearl H. Pagett at Beloit, Kan., Feb. 1.

R. G. Seibenberg, Woodston, Kan.

FOR SALE.

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

H. A. J. COPPINS, Kansas.

GREENWOOD HERD DUROC JERSEYS.

Herd boar Dandy Duke 64663, few choice spring boars for sale and few extra good spring and fall gilts, few tried sows bred for spring litters. Write or come and see me.

R. D. Martin & Sons, Eureka, Kan.

I buy?" In no other line is the cheap article so expensive. Do not buy a cheap rod whatever you do. Such a rod may prove absolutely dangerous. The only conductor endorsed by the United States Government, by leading scientists and fire insurance companies, is pure soft copper. It is a safe plan to buy an advertised, branded conductor put out by a firm of known reliability, who offer to refund the price or make repairs should their conductor fail. The National Cable and Manufacturing Company will do this. We have investigated their claims and believe them to be one of the surest and most reliable manufacturers of lightning conductors in the country. Their goods are sold only by first class dealers. If you will write the National Cable & Manufacturing Company, 53 Cable Street, Niles, Michigan, they will tell you the name of their nearest dealer and send you free their interesting book on "The Laws of Lightning."

POLAND CHINAS

POLAND CHINAS.

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

MELBOURNE HERD POLAND CHINAS.

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

John C. Halderman, Burchard, Neb.

POLANDS! POLANDS! POLANDS!

Capt. Hutch, Moguls Monarch and Toulou Prince in service. Big type clear through. 4 young boars for quick sale. 2 July boars that are herd boar prospects.

J. H. HARTER,

Westmoreland, Kansas.

EXPANSION POLAND CHINAS.

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

W. E. Willey, Steele City, Neb.

STRYKER BROS.' HERD POLAND CHINAS.

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

NEW LOCATION

at Enid, Okla., will hold a grand champion bred sow sale March 24, 1910.

S. W. ALFRED & SON, Kansas.

"DUROCS GROWN IN THE OZARKS."

Ohio Chief and ol. 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, Cabool, 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.

HANLEY STRAIN OF DUROCS

Write for prices.

Paul B. Johnson, Leavenworth, Kan.

CHAPIN & NORDSTROM.

have for quick sale, 2 spring herd boars by King of Col's 2nd, 1 by G. C.'s Col. All show prospects.

CHAPIN & NORDSTROM,

Green, Kansas.

CROW'S DUROC JERSEYS.

Herd headed by Climax Wonder, he by Missouri Wonder, 100 head to select from. Prices reasonable. The electric car runs within three blocks of my farm. Come and see my herd at any time.

W. R. Crow, Hutchinson, Kan.

Fitch's Kant--Chief Improver

A nice line of March and April boars to price worth the money after August 1. Write any time for prices and information.

W. T. Fitch, Minneapolis, Kan.

Stodder's Duroc Jersey Bargains

30 bred gilts, large and thrifty, sired by May Boy, Improver Lad and Helen's Wonder. They are bred for March and April farrow to my inventor boar and Helen's Wonder, a son of Red Wonder. I also offer a few Shorthorn bulls by Capt. Archer.

J. F. STODDER, Oawley Co., Kansas.

WE SAVE YOU 30 to 50 PER CENT

**ALL THIS
MATERIAL IS
FIRST CLASS
BRAND NEW.**

Lumber Trust. Don't listen to
if we advertise false statements.
Get a piece of second-hand lumber
ough to satisfy you. Goods you
d, or we will make every just
amend. If you are fair we will
have no trouble to convince you
that this is a square, honorable
institution.

land. You can figure a good trade from here or I am much deceived. I will always have you figure my bill of lumber when I need more again.

Thanking you again for the way you saved me money. I will always speak well of your firm even though it be my first transaction with you.

Yours truly,
(Signed) R. W. FREELAND.

(Signed) R. W. FREELAND.