

# KANSAS FARMER

WITH WHICH IS COMBINED  
FARMERS' ADVOCATE

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## How the Kansas Farmer Invests His Money

The question of investment of returns from the farming industry in Kansas appears, from inquiries reaching this office, to be assuming considerable importance. While the disposition to buy more land has been a prevalent one, indications are that farmers are investing to some extent in municipal securities and in bank stocks, loans and various other properties.

In order to gain possession of the facts from reliable sources, as far as possible, KANSAS FARMER wrote to a number of prominent bankers in different sections of the state and asked for replies to several specific questions.

To the question "How many farmers are buying more land?" the responses varied from "a few" as reported by one banker, to "very many," as reported by 40 per cent and "one fourth" as reported by 30 per cent of the others. But all reported that the farmers were buying more land.

In reply to the question "How many farmers are making more or better improvements on their farms?" more than 60 per cent responded "nearly all," while 25 per cent reported that three fourths were doing so and one reported "all that need them."

The third question "How many farmers are improving the quality or increasing the amount of their live stock?" was answered by 80 per cent of the bankers who said that many were doing so and by the others who answered "a few."

"Are the farmers of your locality loaning money?" was the fourth question. One half of the replies said "many are doing so." One fourth said, "25 per cent," one eighth said "15 per cent," and the balance reported "a few." "Are farmers investing in municipal securities?" was the next question. Forty-five per cent answered no and 55 per cent, yes—more than one half.

"Are they investing in bank stocks?" All answered yes, though one banker qualified it by saying "if they can get them." Most of these favorable answers, however, indicated that but few farmers were so investing in any given neighborhood.

"Are they investing in other corporate enterprises as stockholders?" Fifty per cent of the replies said "a few" and the remainder, none.

"Are they investing in corporate enterprises as bondholders?" In reply one lone banker responded "yes."

"Are they leaving money in bank as interest bearing deposits?" Every banker said they were doing so though one put the number as low as 5 per cent.

The last question asked of these bankers was "What, in your opinion, are some of the more desirable investments available to farmers?" Sixty per cent advised the purchase of more land, 30 per cent suggested municipal securities, 10 per cent named bank stock although one suggested that the farmers allow the banks to handle their money for them. The First National Bank of Anthony suggests that, in Southern Kansas, the farmer has many opportunities for profitable investment in alfalfa mills, broom corn factories, flour mills, etc., and that there is quite a field of opportunity in building and loan associations, loan

companies and in the erection of city residences for rent or sale.

Several bankers stated that they believed that one of the best investments a farmer could make would be in Kansas municipal securities. These are non-taxable and by careful inquiry little loss should result from such investment.

The Morrill & Janes bank of Hialeatha states that more farms are changing hands in Brown county and vicinity than ever before at this time of year and the prices are higher than ever before realized.

While a majority of the bankers who replied to our queries suggested the purchase of more land as the best investment for the farmer this might prove bad advice. It may be accepted as a business axiom that it is best for a man to stick to the business in which he is most successful yet there may be a real danger in the advice to buy more land.

Capital invested in land is not well invested unless it is productive. It may be productive in either of two ways, or both. It may yield its profits from cultivation or it may grow in value by reason of the growth and improvement of the neighborhood.

The latter condition is not so com-

mon as it was a few years ago though it still exists in certain degree. In regard to the former the farmer of today finds himself approaching, if he has not actually arrived at, the age of intensive farming. He must get more returns to the acre rather than get more acres. A larger area of tillable land means a larger working force, more expensive machinery and more capital.

If the farm is too big it means poor living and a poor home for the farmer. He cannot get his land plowed in season, he cannot keep his big fields clear of weeds nor under proper cultivation. He plants his seed hastily in poorly prepared soil and among the refuse of last year's crops. He gets small yields of low grade and mixed grain and grows poorer each year. He has tried to farm by the mile instead of by the acre and he is land poor.

Kansas is the greatest wheat producing state in the Union and yet her average is only 13½ bushels per acre which is only about one-third the average of some European countries and is one whole bushel less than the general average for the United States.

No. In very many cases the purchase of more land is not a good investment. It might be wise to take

a look over the old home quarter and see if there are not some mighty profitable investments to be made right there. A water system with pipes to the house, the barns and feed lots would be a fine investment and with it would go a sewage system. Concrete walks about the house and a paved yard about the barn is a good one that pays big returns. A furnace for the house, an ice house, a gas plant, better live stock and, if you like, an automobile would all be good investments and they would be safe.

Good farming of the home quarter with the drudgery saving and life enlightening investments suggested together with the rural mail delivery and the farm telephones which are already possessed will not only pay dividends in cash but they will pay big dividends in making life worth the living to both the farmer and his family. Remember, the boys and girls are the best crop we raise on our farms and money is not all they need.

### Prodigality Of The Westerners.

FROM THE NORTH-WEST FARMER

In his address before the Canadian Club in Winnipeg the other day, Mr. A. Knechtel, Inspector of Dominion Forest Reserves, in speaking of the management of European forests, touched upon the sense of moral obligation that each European generation feels towards generations following.

In continental Europe the forests are permanent. A careful balance is maintained between the reforestation, the growth and the consumption. The forests are regarded as a national asset, a part of the inalienable birth-right of all generations, and the wanton or hasty destruction of even a private forest is made practically impossible because of the provident national instinct that characterizes the people as a whole.

Here is an element that does not show largely in new world national character.

Forests are being largely exploited by private lumberman without any thought whatever as to their perpetuation; the prevention of waste in mining is almost unthought of; even the finest of agricultural land is often allowed to deteriorate to one-half its intrinsic value within a single generation.

But when the boomster has had his day and we settle down to really living with our own, we may sigh over the wastes of yesterday and wonder why we were foolish enough to believe fairy tales about "Inexhaustible" soil fertility, "limitless" forests, "boundless" wheat fields, and incalculable mineral wealth.

In a theoretical way we think of a "statesman" as one who, in a public capacity, conserves national resources and national wealth. Vaguely we idealize such a personage. But in practical life—which is the surest indicator of character—most of the "progressive" people of North America, both individually and nationally, show all too little of the provident, loyal instinct that so strongly characterizes many other older peoples whose shrewdness some among us seem almost to despise.

## Being Coached For The Fair.



"Now my boy, when you come in the show ring, get up on your toes, wink at the judges, stiffen up your back bone, and carry your nose up in the air, like you and I owned four of the best sections in Kansas."

# Work of the Crop Improvement Association

By PROF. V. M. SHOESMITH,

Formerly of the Kansas Agricultural College, now of the Ohio Agricultural College.

During the past decade an important agricultural movement has been in progress. Up until recent times our vast country has offered immense tracts of fertile soil to the settler at a nominal price, and the tendency of the American farmer has been to secure as large a portion as possible of this cheap land, and to till the same in the easiest possible manner, rather than to make a study of his business and acquire scientific methods of farming.

But during the past few years so many people have taken advantage of the opportunity offered in these cheap lands, and the supply of new land has become so short, that the price of land the country over has been materially advanced. This has necessitated a higher production on the same land, in order to make satisfactory returns upon the increased valuation. Then the farmer began to realize that there were others who knew more about farming than he did, that the agricultural college and experiment station might be used as valuable assets, and that farming was a business worthy of study.

When the farmer began to compre-

tion. This association, which was organized eight years ago with a charter membership of two hundred and seventeen, now has a membership of sixteen hundred and is planning for the organization of county orders, so as to facilitate the work of the association. The membership is composed largely of the graduates and ex-students of the College of Agriculture, who, in joining the association, become experimenters with improved seeds.

This work has been of immeasurable benefit to the farmers of Wisconsin, in giving them improved types of corn, wheat, oats and barley, and in getting them to study in a scientific way their own problems. Moreover, the Wisconsin farmer has made a name for himself outside of his own state, and he is receiving orders for

cial and by the recent organization of a Small Grain Growers' Association and a Seed Registry Association, and by the formation of Seed Improvement Associations in the student classes at the State Agricultural College.

In Ohio the relation between the State Corn Improvement Association and the county or local associations is very close. In fact, the main object of the state association might be said to be to stimulate and direct the work of the local associations.

Although the association is only a little over a year old, it is on a firm working basis. Forty-three local associations were organized within three months after the organization of the state association, and this number was materially increased during the past fall and winter, and in some of

The work of the several states mentioned is by no means exceptional. Illinois, Nebraska, Kansas and other states have strong organizations which are doing a great work for the betterment of agricultural conditions in their respective states. Other states which have been considered backward agriculturally, or of little agricultural importance, have caught the spirit and fallen into line.

It is a great movement that has swept over the entire country, which means that the careless, slipshod methods of the past must go. And with the growth of this movement we have seen a steady increase in the price of farm lands; many farmers have sold out their high-priced lands and bought cheaper lands elsewhere. The price of the land has been increased in both communities, which means that better farming must be practised in order to pay satisfactory returns upon the higher valuation.

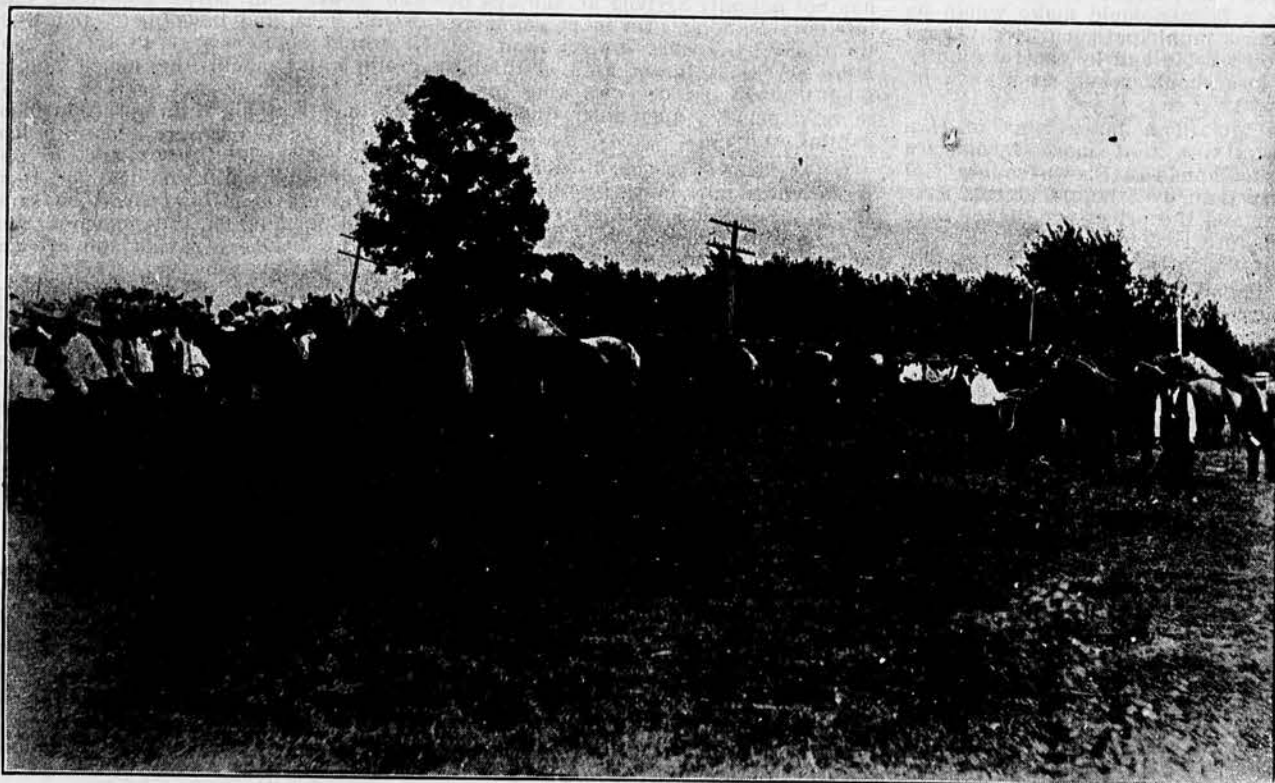
The function of the Crop Improvement Association is to reach the masses and improve agricultural conditions generally. Its aim should be not so much to increase the maximum yield of corn or wheat, as to increase the average yield of corn or wheat; not so much to help the better farmers who organized these associations, as to help the great mass of farmers who have not given a very loyal support to this movement and who have not been sufficiently interested by the agricultural college and the farmers' institute.

THE PURPOSE OF THE ASSOCIATIONS IS TWOFOLD.

The work of these associations might be said to be of a dual nature: First, the arousing of interest and the giving of an incentive to study, and, second, the giving of instruction or educational work. The former is by far the more important of the two. Our colleges and experiment stations and our farmers' institutes are ready to instruct the farmer, but they cannot well furnish an organization for the farmer and arouse the enthusiasm in agricultural matters afforded by a popular organization of this sort.

The purpose or function of these associations and of their exhibitions of farm products is often misunderstood. To use a specific illustration: It is a more or less common belief among farmers that a sample which wins a high award and is sold for a high price at public auction is unquestionably the best exhibit in the show and the particular kind they should secure for their own farm, not realizing that the judge is not infallible and that the exhibit might have been bred or grown under conditions quite different from his own.

The pedigree or breeding, the adaptability, the soil and climatic conditions are all important factors in determining the yield of corn products, and the judge has little or no opportunity to judge of these when only the ears of grain are placed before him for examination. He should, however, in a local show, be of great help to the farmers in a practical study of crop production as applied to local conditions.



A bunch of the W. L. De Clow Percheron mares, imported for his big sale at Cedar Rapids, Iowa. He still has others of the same kind for sale and will show a car load of them at the State Wide Fair, Topeka, September 18-18.

hend the importance of these things he began to organize. This organization has taken various forms. One which has been very popular and which has had much to do with this movement for better agriculture is the Crop Improvement Association, with its institutes, its exhibitions of corn and other crops, its cooperative variety tests and other phases of practical work. The development of these associations is worthy of our consideration.

One of the first farmers' associations aimed specifically at crop improvement was the Illinois State Corn Breeders' Association, organized in 1900. This was not a popular organization in the sense that it included a large membership or was designed to reach the masses.

## THE GROWTH OF THE MOVEMENT.

During the past seven or eight years Corn Improvement Associations designed to benefit agricultural conditions generally have been organized, not only in all the surplus corn states, but in the adjoining states, in Maryland, Virginia and other Atlantic Coast states and in most of the Southern states. Colorado not being well suited to the production of corn has organized an association designed to improve the condition of wheat, oat and barley production. Alabama has a Cotton Improvement Association. In fact, the movement has spread until most of the states have their crop improvement associations of some kind. In order to get a better idea of the work being done by these various associations, let us consider a few specific examples.

In Wisconsin the crop improvement association is known as the Wisconsin Agricultural Experiment Associa-

seeds from every state in the Union and from several foreign countries.

Prof. R. A. Moore, who is secretary of the association, estimates that at least two hundred and fifty thousand dollars has been sent into Wisconsin from other states for improved seeds during the past year, and the farmers are unable to supply the demand.

The Indiana Corn Growers' Association was organized in 1900 and now includes a membership of about eight hundred. Besides arousing the agricultural interests of the state, it has been largely responsible for large appropriations and other support to the agricultural college and experiment station. They started the Farmers' Short Course at Purdue, the first two courses being held under the auspices of the association, after which the work was turned over to the university, but was still loyally supported by the association. The number of corn shows held in the state during the past year approximated two hundred and sixty.

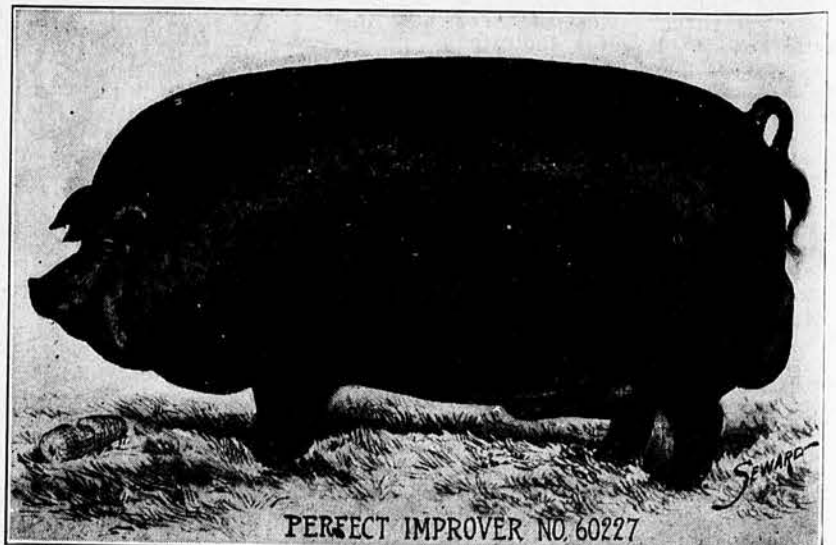
In Missouri the Corn Growers' Association which was organized in 1903 is actively pushing the movement for better selection of seed-corn, improved varieties and better cultural methods. One feature of the work which promises much for the College of Agriculture and the future of the state is the Boys' Corn Growing Contest, which includes annually about one thousand boys.

In Iowa the Corn Growers' Association, which was organized about seven years ago, has been one of the chief factors in creating enthusiasm for better farming and better agricultural education. The enthusiasm is no longer confined to corn, as is evidenced by the recent Seed Oats Spe-

these local associations the membership numbers several hundred.

CROPS MUST BE STUDIED UNDER LOCAL CONDITIONS.

Realizing the importance of studying corn under local conditions, the association has inaugurated contests in the testing of varieties of corn, in farm management, in the cost of production of corn, uniformity of stand, etc., and there is no question as to what this work will mean to the future of Ohio agriculture.



Perfect Improver No. 60227. Herd boar raised and owned by J. U. Howe, Wichita, Kan. A boar that was placed first and grand champion at Wichita fair, 1908. Mr. Howe is very proud of this great hog. Perfect Improver traces twice to the historical boar known as Sensation. His sire was Royal Improver and he by Improved 2d. His dam was first choice by Dandy Boy. The sensational ribbon eater of Kansas and Nebraska state fairs. Royal Improver's dam was Sulda by Advance by Sensation. There are no better bred Durocs in the state than are in Mr. Howe's herd. He is a careful breeder and when you buy a pig from him you get just what he represents it to be. Write J. U. Howe, R. D. 8, Wichita, Kan.

## Preparing Land for Winter Wheat.

BY A. M. TENYOK, PROFESSOR OF AGRONOMY, AND L. E. CALL, ASSISTANT PROFESSOR OF SOILS.

With a soil of average fertility, the preparation of the seed-bed by the proper tillage and cultivation methods very largely determines the yield of the crop. Three general methods of tillage for preparing the land for wheat are practised in this state; namely, plowing, listing and disking. There may be variations of these three methods, as early plowing, late plowing, shallow plowing, deep plowing, single listing, double listing, little cultivation after plowing, frequent cultivation after plowing, etc. Local conditions may determine which method is the best.

That certain methods are superior to others may be readily shown by comparative trials.

### AN EXPERIMENT.

Tests of several methods of preparing the seed-bed for wheat have been carried on at the Experiment Station at Manhattan for the past two seasons and show the following results:

—Yield per acre, bu.—

Method of Preparation.	1907-'08.	1908-'09.	Av. 2 yrs.	Cost per acre for prep., 1908-'09.	Cost per bu., 1908-'09, cents.	Value of crop, 1908-'09, at \$1 per bu.	Net profit.
Disked July 15, and at frequent intervals until seeding. Not plowed.....	14.95	28.24	21.59	6.88	24.3	28.24	21.36
Double disked July 15. Plowed September 15 seven inches deep.....	20.11	30.56	25.33	5.53	18.1	30.56	25.03
Plowed September 15 seven inches deep.....	15.59	27.98	25.78	4.66	16.7	27.98	23.32
Plowed September 15 three inches deep.....	21.19	30.76	25.97	4.66	15.1	30.76	26.10
Plowed July 15 seven inches deep.....	28.84	35.02	31.93	5.59	15.8	35.02	29.43
Plowed August 15 seven inches deep.....	34.74	40.12	37.43	4.53	11.3	40.12	35.59
Plowed August 15 seven inches deep.....	30.53	38.12	34.32	4.03	10.6	38.12	34.09
Not worked until September 15.....	20.02	32.17	26.09	4.40	13.6	32.17	27.77
Listed July 15 seven inches deep and ridges harrowed down.....	23.67	31.33	27.50	4.65	14.8	31.33	26.88
Listed July 15, ridges split August 15, harrowed down.....							

### THE RESULTS EXPLAINED.

The field upon which this experiment was conducted is upland soil, previously seeded to alfalfa. The alfalfa was broken in the fall of 1904, planted to corn in 1905, and sown to wheat in 1906. The experiment was started in 1907 on this wheat stubble. Nine different methods of preparing a seed-bed have been tried, as indicated in the table.

Plowing.—Plowing was done on July 15, August 15, and September 15. It will be seen from the table that the early plowing on July 15 did not give the highest yield or the largest net profit. This was due to the holding of the wheat on this plot. Being an old alfalfa field, organic matter rich in nitrogen was abundant in this soil. The early and continuous preparation probably produced nitrates in such large amounts that a rank growth of weak straw resulted, and the wheat lodged. With a soil lower in fertility or in section further west, where less moisture was available, this condition would not usually occur.

The highest yields were obtained from the August 15 plowing. Upon these plots the grain did not lodge. The plot plowed August 15 and cultivated after plowing received two harrowings before September 15. Otherwise it was worked in exactly the same manner as the other August 15 plowed plot, which was not surface cultivated until September 15. These two harrowings in 1907 increased the yield 4 bushels per acre, and in 1908 two bushels per acre, or an additional expense of 50 cents resulted in a profit of \$3.00 in 1907 and \$1.50 in 1908.

The late plowing, September 15, has each year given the lowest yield of

any of the plowed plots, although every effort was taken to prepare a good seed-bed by surface cultivation immediately before seeding. In 1908 the late plowed plots were harrowed three times, disked once and acme-harrowed once after plowing before seeding. The wheat was seeded on all plots October 9. Thus the seeding was not done for nearly a month after plowing; yet the large amount of work put on these late plowed plots was not enough to prepare a sufficiently firm seed-bed. The plot plowed shallow gave a slightly increased yield over the deep plowed plots where each plowed as late as September 15. The shallow plowed plot could be better firmed down. Double-disking ground early in the season to be plowed late gave a slightly increased yield. This was due to the fact that the disking kept the ground in better shape for plowing, and it firmed down more readily than the undisked ground.

Listing.—Listing has not proved especially successful as a method for preparing a seed-bed for wheat, giving a less yield than early or medium early plowing. Listing has not proved a cheap method at this Station during the past two years, due to the heavy summer rains that have made frequent harrowing and disking necessary in order to keep down the weeds.

Disking.—The same condition has made it very expensive to prepare a seed-bed for wheat by disking without plowing. It required eleven diskings in 1908 to prevent the growth of weeds and prepare a good seed-bed by this method. Disking has also resulted in a low yield, producing the least amount of wheat and the lowest net profit of any method employed in this experiment.

The soil conditions and environment suitable for the successful growth of a wheat crop are well established and fairly well understood. With good seed, a few simple factors largely determine the stand and the yield of the crop and the quality of the grain produced.

In order to secure the ideal condition for seed germination and plant growth, a seed-bed for planting wheat and other small seeds should not be mellow to too great a depth, but rather the soil should be mellow and well pulverized only about as deep as the seed is planted. Below that depth the soil should be firm and well settled, making a good connection with the subsoil, so that the soil water stored in the subsoil may be drawn up into the surface soil.

The firm soil below the seed, well connected with the subsoil, supplies the moisture to the seed, while the



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mellow soil above the seed allows sufficient circulation of air to supply oxygen and favors the warming of the soil gathering the heat of the sunshine during the day and acting as a blanket to conserve the soil heat, maintaining a more uniform temperature of the soil during the night.

The mellow soil above the seed conserves the soil moisture, acting as a mulch to keep the water from reaching the surface, where it would be rapidly lost by evaporation, and the same condition favored the growth of the young shoot upward into the air and sunshine.

The too-mellow, deep seed-bed is almost wholly dependent upon rains for sufficient moisture to germinate the seed and start the young plants. In such a seed-bed, drouth is very apt to injure the crop because of the rapid drying out of the loose soil to the depth of the plowing. In the loose seed-bed the crop is not very apt to "burn out" in summer, but it is also more apt to "freeze out" in winter than a crop grown in the "ideal" seed-bed described above.

### Durability of Portland Cement Concrete.

BY P. R. CHAMBERLAIN, CHIEF CHEMIST OF THE DEWEY PORTLAND CEMENT COMPANY.

No other building material approaches concrete in lasting qualities. Quite the reverse from steel, wood or brick, concrete grows stronger with age over an indefinitely long period of time, and consequently a structure built of it is stronger and better at the age of 20 years than at six months.

Some farmers, who may not understand the nature of this material, and who fear that in using concrete they are experimenting with a material which has not been thoroughly tested to determine its fitness for their peculiar needs, may hesitate to use concrete about their farms. But across the water, where the scarcity of wood

has necessitated finding a material at once cheap, durable and widely applicable, concrete has been widely used for a number of years about farms, and with excellent results. Concrete fence posts have been in extensive use, and, even in latitudes where alternate freezing and thawing is of frequent occurrence, they have proved satisfactory. Concrete is admirably adapted to withstand the action of frost because it, unlike stone, has no bedding or cleavage planes into which water may seep, and later expand in freezing, causing a tendency to chip.

Concrete has also proved to be the ideal material for silos, because its weight protects it against winds, and because it does not swell when the house is full of fresh ensilage, and later, when the supply is low, dry out, warp and shrink as does wood. For the construction of stalls, stables and pigeries concrete is sanitary and also durable, because it resists perfectly the action of seepage water from manure.

Besides the record of concrete in those localities where it has been used of late years, we can also turn to the history of buildings of antiquity where we shall find that many of the engineering feats of the ancients, which have endured till the present time, owe their preservation to the fact that concrete was used in their construction. This concrete, which is much inferior to our modern concrete because the ancients had neither the knowledge nor facilities for making cement even approaching our cements, is still in perfect condition. If the crude concrete of antiquity has withstood the vicissitudes of 2,000 years, the farmer who builds of modern concrete may be sure he is putting up a structure which will not only endure, but be monumental in character.

However, that concrete may have any present or future worth, some care must be exercised in selecting the component materials. The stone should be hard, clean and well graded in size. The sand should be free from clay, loam and mica, and rather coarse. The cement should be selected with great care. Since the farmer is not equipped to test cement, and in fact tests not made by an expert are apt to be misleading, his best move is to buy his cement from a reputable company. Dewey cement is made under expert supervision, in a modern mill, and every car meets the most exacting requirements as to fineness, setting time and tensile strength. This cement also makes concrete of very pleasing color, and in this way adds to the general appearance of a farm and enhances its value.

Where concrete composed of components selected as outlined above, properly mixed and placed is used, the work will endure indefinitely, and fail only through violent accident.

Build a cement feeding floor for the hogs. Without it you either feed in the mud or dust which is even worse. The comfortable hog is the money making hog.

## The Big State Fair and Live Stock Exposition.

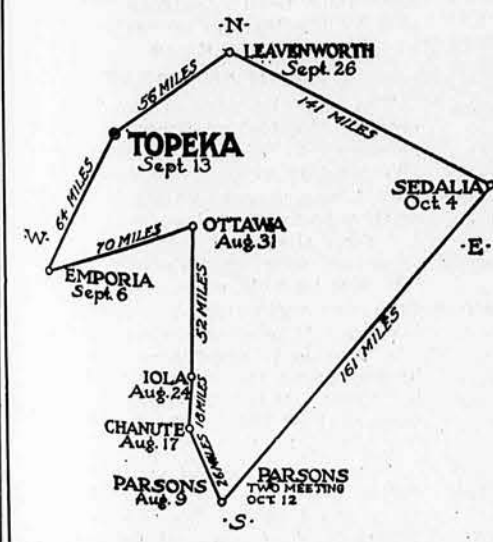
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R. T. KREIPE, Secretary, Topeka, Kansas





# KANSAS FARMER

## EDITORIAL

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KANSAS FARMER acknowledges with pleasure the recent visit of Prof. D. H. Otis of the University of Wisconsin. Prof. Otis is a Kansas man—born in the Sunflower State and trained in her Agricultural College both as a student and teacher. He is now professor of farm management and assistant dean of the College of Agriculture of his adopted state and is a sample of the kind of men the Kansas Agricultural College has produced in the past and will produce in the future.

The assessed valuation of all Kansas property is \$2,510,000,000. This is an average of about \$1,600 for every man, woman and child in the state, and for a state only a half century old this is a most remarkable showing. Forty-eight per cent of this vast amount is assessed on farm lands. This shows where the real wealth of Kansas lies. Kansas is the third agricultural state of the country being surpassed by Illinois and Iowa only, two much older states. Where can you beat it?

C. L. Marlatt, a graduate of Kansas Agricultural College and now Assistant Entomologist of the Department of Agriculture at Washington, says: "In no country in the world do insects impose a heavier tax on farm products than in the United States. The losses resulting from the depredations of insects on all plant products of the soil, both in their growing and in their stored state, together with those on live stock, exceed the entire expenditures of the national government, including the pension roll and the maintenance of the army and navy."

Quartz is the most abundant of all minerals, occurs in a great variety of forms, and has many different uses, the principal ones being in the manufacture of wood filler, pottery, paints, and scouring soaps. Massive quartz, crushed and graded to various degrees of fineness, is used in making sandpaper, sand belts, with sand-blast apparatus, etc. Within recent years crystalline quartz has been used as a source of silicon and in the manufacture of alloys of silicon with iron and copper. The great affinity of silicon for oxygen renders it useful as a deoxidizer in many of the metal industries.

Kansas is a great state, the third agricultural state in the Union, with an assessed valuation of over two and a half billions. Yet they do seem to do some things better in some other states. Minnesota is a great agricultural state, but it is not up to Kansas. Yet last winter, as a mere incident, those in charge of the Minnesota State Fair asked the legislature for \$300,000 merely to enlarge the grand stand. They didn't get \$300,000 but they got \$200,000. They do something like this every year. Yet Kansas couldn't afford a mere fraction of \$200,000 for the entire state fair proposition! When can be afford it?

### GOOD CORN CUTTER INVALUABLE.

A good corn cutter or corn harvester would be a most valuable piece of property just now in some portions of the state. It might be valuable in all portions of the state and at any season in view of the fact that the scientists tell us that 40 per cent of the value of the corn crop is to be found in the stalks and husks when properly cared for.

The putting of the corn crop into ensilage is not as popular a method of saving it in this state as in many others although it has the advantage of enabling the farmer to save his entire crop and feed it out in a succulent condition. Cutting corn is popular, however, and for this purpose a good corn cutter is invaluable.

### COUNTY EXPERIMENT STATIONS.

Oklahoma has fallen into line by passing a law providing for county experimental farms. These are to be operated under the direction of the State Board of Agriculture who will rent the farm to the man in charge. This superintendent will conduct all farm operations as directed by the board and will be supplied with seed of all kinds by them. If he should sustain any financial loss it will be made

**SUBSCRIPTION PRICE**—\$1.00 per year; \$1.50 for two years; \$2.00 for three years. 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 arrears paid.

**ADVERTISING RATES**—25 cents per square line, 14 lines to the inch. Announcements 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 in earnest in protecting our subscribers we guarantee the trustworthiness of our advertisements.

good from state funds provided he has obeyed orders.

It was long since recognized in Kansas that the experiments made at one station in the state, no matter how carefully and scientifically done, could not tell the whole truth to all other parts of the state. Kansas has long been conducting cooperative experiments with individual farmers in different counties in addition to the work done at the big stations located at Manhattan and Hays and the smaller ones at McPherson, Garden City, etc. Under the new plan which our sister state on the south has followed, every county will have an experiment station instead of a "poor farm" and every county may have an agricultural course of study in its county high school and every district school some instruction along agricultural lines.

### PURE FOODS DEMANDED BY THE PEOPLE.

Some of the officials of the Department of Agriculture whose duties lie in the enforcement of the pure food law express the opinion that the matter of preservatives is no longer a question of such burning moment in the administration of that measure. They believe that the manufacturers of food products will themselves work out the question to a satisfactory solution, and they cite incidents that fortify this belief. In Indiana, for instance, it is that this year the waste products from the canneries, such as rinds, cores, skins, and so on, have to be used as fertilizer as they should be, while in former years all this by-product was in great demand for making catsup that on account of the inferior materials had to be treated strongly with deleterious preservatives and coloring matter. Another instance is given of a manufacturer who when asked why he was looking for further materials when he had hundreds of barrels of cod fish in his packing house, said that he could find no market for the stuff he had on hand because it was preserved with benzoate of soda, and was so marked. In other words, the people have become so educated that they demand foods that have no preservatives in them. It is pointed out, too, that the better class of manufacturers some time ago decided to cut out all harmful preservatives, and even all those on which any suspicion rests, and they are helping to educate by spending thousands of dollars each week in advertising their wares. Those who persist in attempting to cover up inferiority by using preservatives, inasmuch as such facts must now be plainly stated upon the label the officials think, will soon find their business unprofitable.

### KANSAS LAND IS GOOD ENOUGH.

KANSAS FARMER readers are cautioned to beware of investing money in dry farming or irrigation projects without investigation. A subscriber recently inquired in regard to an irrigation project that was somewhat ex-

tensively advertised in a certain class of newspapers and his inquiry was referred to a government official who had spent several years in the vicinity of the land which was offered for sale in such glowing terms by the enthusiastic promoters. The report of this official showed that the land in question was apparently all that was claimed for it by the promoters but that there was no water available with which to irrigate during the crop growing season. All of the water in the nearby stream had been appropriated by earlier irrigation ditches many years before this particular tract was put upon the market.

We recently had a report from an apparently reliable source which set forth in glowing language the enormous returns that had been received by the farmers of the region devoted to dry farming. Owing to the fact that this region has only been under cultivation one year and owing to the fact that crops will not grow without some moisture and this moisture cannot be stored in sufficient quantities in that country and in so short a time to produce the results claimed, the matter was looked into. It was found to have some foundation in fact but the picture was greatly overdrawn and the people who have been led to invest their money in this land at fancy prices are not likely to secure any immediate returns from the cultivation of the soil if they ever do.

The point to this whole matter is, look before you buy and do not pay from thirty to fifty dollars an acre for land that would be high priced at five dollars.

### A DRY FARMING HINT.

In a country that is subjected to extremes in temperature it is the wise farmer who is prepared. The recent spell of hot weather has been the subject of letters to this office from different parts of this and adjoining states. In some of them reports of considerable damage to the corn crop are made, in others the tone is distinctly blue and disaster seems to face the writers while in others a jubilant note is sounded because of the methods of corn culture which had been pursued and which saved the crop.

While there can be no doubt that the late corn has suffered in some localities there is not sufficient evidence at hand to show that the crop as a whole has been so badly damaged, that the aggregate production of the state will be materially lessened.

In this connection it may be wise to give special consideration to some of the teachings of the so-called "Dry Farming" cultivation. Not that these may be thought essential in all parts of the state as a part of the regular system of cultivation but that they do have value as protective measures in just such emergencies as extreme hot and dry weather.

One of these is the use of the five-tooth single horse cultivator. After the corn is laid by and it has grown

so tall as to prevent the use of the ordinary cultivator, a final plowing with the one-horse cultivator serves to kill the remaining weeds which would absorb the moisture; to break up any crusting of the surface and to let air into the soil. If this be followed by the dragging of some heavy weight, like an old mower wheel, down each row the surface is finely pulverized and a dust mulch results. Our reports show that where such a method has been practised the corn has stood the heated term better and the yield has been larger.

### THE SWINDLING ADVERTISEMENT.

"A leading banker of Chicago points out that the great mass of people between rich and poor earn at times more money than they spend, and what they do with this surplus is a matter of prime importance. Much is put in banks, and to make banks secure is the object of constant governmental care. Some is wasted in various forms of vice, and the Government continually exerts itself to suppress these vices. But an important amount is lost through swindling 'investments,' and the Government does not take an obvious and effectual step to prevent that waste."

"A police officer who has given much attention to the subject calculates that a hundred and fifty million dollars are lost annually by the people of the United States through these fraudulent 'investments'—meaning only those schemes which are gotten up to swindle. He calculates further that not less than twenty out of the hundred and fifty millions go for newspaper advertisements by which the victims are lured in. Whether or not his calculations are accurate the amount lost in this way is certainly great."

"Why does the Government turn its back on this waste? Why does it treat the newspaper that prints an advertisement which any well-informed person would know for a swindle as different from any other kind of bunco-steerer?"

The above paragraphs are quoted from the Saturday Evening Post. They deal with a matter of great importance. Why should the rule for a publication be less strict than for an individual? Many publications contain offers that if made by one individual to another would lead to arrest and prosecution. Twenty million dollars lost through swindling advertisements is a big sum. Much of this advertising is fraudulent on its face. The Government should not carry it through the mails.

Some of the farm papers, we regret to say, still permit themselves to carry what are really swindling advertisements, though farm papers claim to be in a peculiar sense clean, family papers. The farm papers are not yet so clean as the illustrated magazines, of which the great Saturday Evening Post is a conspicuous example.

No really first class magazine carries medical advertising nor the advertising of certain speculative stocks, but most of the farm papers find such announcements good enough for their columns. Readers of KANSAS FARMER know that this paper does not carry any of the classes of advertising that have long been considered objectionable by the leading magazines.

### CORN AND MEAT.

The official report of the 1909 corn crop of the United States places the acreage at 107.1 as compared with 100 for last year. The condition on July 1 was several points better than on the same date last year and better than the ten year average. The crop last year was reported as yielding 25.6 bushels per acre. The total crop was estimated at 2,642,787,000 bushels. If present acreage and present improved conditions prevail at husking time the crop of 1909 should be about 140,000,000 bushels greater than that of 1908 or it should exceed 2 1/4 billion bushels.

A great deal of this will be fed to cattle and hogs. It will doubtless bring good prices as grain, but at prices likely to prevail for meat the returns to the feeder should be attractive.

# DAIRY



It is recorded that the dairy cows of Holland average 9,500 pounds of milk per year per cow. The Hollander then milks, feeds and cares for one cow and secures as much butter-fat as the average western farmer secures from four cows.

An Iowa dairyman writes that a good cow furnishes enough skim-milk which, when fed sweet and clean to hogs, will more than pay her feed bill for a year. Her manure is worth as much, yes, a little more, than the manure from a steer. Her butter-fat is now selling for an average of about 23 or 25 cents for the year.

The common cow, under the discouraging conditions which generally prevail, has brought prosperity into every community in which she is worked. When disaster has come to the grain growing farmers she has stepped in and saved the home from the mortgage. She has brought fertility to the soil, has furnished the home with the necessities of life and has educated the children.

Wisconsin will protect her herds from tuberculosis by the strict enforcement of an act passed last winter providing that it shall be unlawful to sell or otherwise transfer any bull, cow or heifer over six months of age for other than temporary feeding purposes, or for export out of the state, or for slaughter, unless accompanied by a proper certificate of freedom from tuberculosis as shown by the tuberculin test.

There is no farmer in Iowa, says J. N. Munsey, who will claim that he can take a cow giving 4,000 pounds of milk or 160 pounds of butter per year and by feeding her sparingly, produce a pound of butter as cheaply as he could a cow giving 8,000 pounds of milk or 320 pounds of butter. Give the latter cow all she will eat summer and winter and charge her with every cent it costs or is worth and she will produce a pound of butter for less than one-half the cost of producing a pound with the inferior and half-starved cow.

At this year's National Dairy Show to be held in Milwaukee, Wis., Oct. 14-24, there will be an unusual number of things which should prompt the farmer to take a vacation from his work, and add business to pleasure by a study of the features of this show. A working dairy herd which will show practical methods by which the farmer can study the cost of production will be illustrated. A convention at which men of national reputation will be the speakers, is being arranged. A banquet is also proposed, at which will be seated the largest number of dairy farmers ever brought together.

## Largest Dairy Farm.

What is reputed to be the largest dairy farm in the United States is

operated near Rosalia, Wash. The farm consists of 500 acres and under intense farming methods 500 cows are supported. Alfalfa is the principal feed. One of the objects of the owners is to demonstrate that by the proper methods a 40-acre dairy farm will yield a larger net revenue than a 160 acre wheat farm.

## Cream Buyers' Examinations.

The present dairy law requires that each buyer of cream in Kansas must pass an examination tending to show his knowledge of dairy bacteriology, care of and in handling dairy products, sampling milk and cream and efficiency in operating the Babcock tester. To the successful applicant a license will be given. This license will be revoked upon the first violation of the state dairy law.

There are 2,200 to 2,500 cream buyers in Kansas who will have to take this examination. Dairy Commissioner Wilson plans to hold meetings at convenient points throughout the state and give instruction through two or three days' lectures before the examination is given. This plan will result in cream buyers having uniform instruction and therefore result in the uniform handling of dairy products throughout Kansas. The law and the plan are commendable.

## Grading Up with Pure Bred Males.

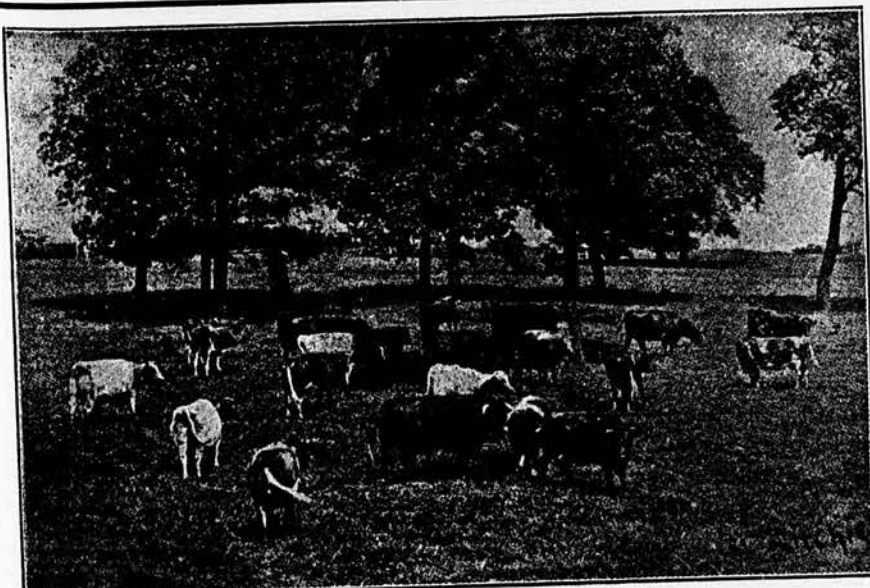
The following table will show how rapidly improvement can be made by use of a pure bred sire. The first column shows the number of generations; the second, the percentage of pure blood in the sire; the third, the percentage of pure blood in the dam; the fourth, the percentage of improved blood in the offspring; the fifth, the percentage of unimproved blood in the offspring:

Genera- tions.	Sire, per cent pure blood.	Dam, per cent pure blood.	Per cent im- proved blood.	Per cent unim- proved blood.
1.....	100	0	50	50
2.....	100	50	75	25
3.....	100	75	87.5	12.5
4.....	100	87.5	93.75	6.25
5.....	100	93.75	96.87	3.12
6.....	100	96.87	98.44	1.56

This table has equal application in the breeding of all classes of live stock.

## The Forty Dollar Cow.

The \$40 cow and her place in the agricultural development and prosperity of this country was the central idea in an address made recently by Prof. T. L. Haecker of Minnesota. It is this editor's judgment that much damage is done dairy progress by enthusiastic dairymen teachers in the constant urging of the pure bred, highly developed dairy cow upon the crop growing farmer and dairyman farmer. The result of such teaching is to discourage at the outset the man who should have a better cow, employ better feeding methods, learn better care and so increase his income. The farmer feels that the standard set is



A group of Harriman Bros.' pure Sco tch Shorthorns, the entire herd of which will be dispersed at Pilot Grove, Cooper Co., Mo., Friday, September 3.

## The Passing of the Milk Factories

has been caused by

### The Universal Adoption of Cream Gathering.

The Vermont Farm Machine Company are the pioneers in the cream gathering system. This cannot be successfully denied.

The farm or dairy sizes of the United States Cream Separator made such headway that the proprietors of milk factories, against their will, had to change. The farmers demanded it.

Not 10 per cent of the whole milk factories of nine years ago are running today, as such. They have either closed up or changed to cream gathering, the more economical plan. Our "would-be competitors," who are always "claiming the earth," cannot deny this fact.

These "would-be competitors," had been supporting the whole milk scheme and fighting the progressive cream gathering system. When they saw that their efforts were futile—that the change was bound to come—they tried to save what they could out of the wreck.

If you have read their big blustering advertisements containing testimonials from creamerymen you have noticed that nearly all admit they changed from whole milk and took agency for farm separators of this particular "would-be-competitor," because of the large commission allowed to the creamery on the sale of their Separators. The creamerymen made more money out of them than they did on the cream. Some went so far as to refuse to take cream from any separator which they do not sell and get the commission on.

This worked for a time, but the farmers were too intelligent to be bulldozed in this way. They insisted on having the BEST separator. All these creameries tacitly admit that they had to give up their exclusive agencies and take cream from the United States Separators.

Several events formed them to it. Their pet separator was beaten in the greatest international skimming test ever held, in endurance tests running over thirty days.

The United States Separator also beat this pet separator in the county where its factory is located; and in that county, for ten years the United States has averaged more than three separators to every one of this "would-be-competitor's."

Figuring on the same basis as our "would-be-competitors" figure their profits, it puts seventy-five dollars a year into the farmer's pocket if he uses a United States Separator instead of this "would-be-competitor's" separator.

A United States Separator catalog, which can be had for the asking, explains all these things fully.

## VERMONT FARM MACHINE COMPANY,

Bellows Falls, Vermont.

so high that his brains and pocket-book will not meet the requirements. With such an impression on his mind he will not act.

Prof. Haecker says if the common cow were to be replaced by the special dairy cow, one-half the number of cows would return the same product with an expenditure of practically one-half the feed for maintenance, one-half the stable accommodations, one-half the pasture, and one-half the labor in caring for them, as the average special dairy cow is capable of producing 300 pounds of butter compared with the 150 pounds returned by this \$40 cow. This would be possible, only, under proper conditions of feeding, stabling, and care. The best cow in the world will do no better than the poor cow unless the proper working conditions are provided. Professor Haecker is a strong advocate for the special dairy cow, but realizing the special dairy cow is far in the future, for the large majority of farmers, he has concluded that the common or \$40 cow is not such a poor dairy cow as the farmer is a poor dairyman. He thinks the \$40 cow is the outgrowth of conditions that prevail upon the average farm, and it is a question whether she is not a better cow for the average farmer.

In his judgment it is only necessary to give the common cow proper care and feed to learn that instead of being the 150-pound cow she may be made a 250-pound cow. This proves conclusively that she is a far better cow than the average man is a dairyman. In every instance, where she has been given an opportunity to demonstrate her ability, she has conclusively proved this fact. Improvement must begin with the owner of this common cow. Success in any business comes through complete knowledge of that business, and the average dairyman does not know even the rudiments of the breeding and feeding of cows. While he is only capable of making a common cow produce only three-fifths of the product she is capable of producing, it is a serious question whether it is advisable to attempt to decrease the cost of producing butter-fat, thereby increasing his profits, by placing a special dairy cow in his care, or rather lack of care, when we know that her very nature rebels at the mis-

use to which she will be subjected.

This is Prof. Haecker's closing statement: "I do not wish to be understood as advocating the common cow, except for the man who is not a better dairyman than she is a dairy cow. The dairyman who understands, or is willing to learn, the principles of breeding and feeding of dairy cattle and who is competent, or is willing to become competent, to judge whether he is producing dairy products at the least cost possible, under the conditions with which he is contending, cannot afford to waste his time and energy and thought with this common cow. In other words, he is a better dairyman than she is a milk producer. To him I certainly commend the special dairy cow."

When writing advertisers please mention Kansas Farmer.

**"THE WORLD'S STANDARD"**

**DE LAVAL**

**CREAM**

**SEPARATORS**

**THE DE LAVAL SEPARATOR CO**

165-167 BROADWAY, NEW YORK. 42 E. MADISON ST. CHICAGO.

**\$33<sup>50</sup> Galloway**

**Only 33<sup>50</sup> AND UP**

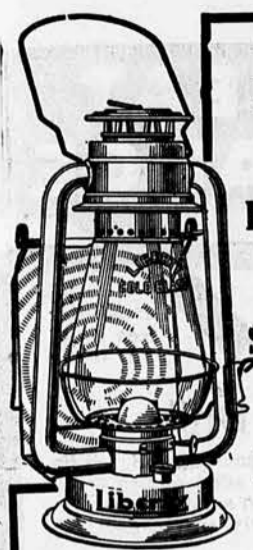
**"BATH IN OIL"**

High Grade Separator—Direct  
Save \$25 to \$50 direct at my factory price—freight prepaid. Get the only Separator that runs in "Bath of Oil," like a \$5,000 automobile. This alone is worth \$50 extra, but costs you nothing extra.

**90 Days'**

**Farm Test—Freight Prepaid**  
Why pay \$85 to \$110 to dealers or agents who cannot sell you a separator equal to the Galloway—closest skimmer—easiest run—easiest cleaned—10-yr. guarantee. Send for **BOOK FREE** **WM. GALLOWAY CO.** 383 Galloway Bldg., Waterloo, Ia.





A  
Bigger  
Light  
A  
Brighter  
Light  
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Stronger  
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A  
Longer  
Light

## Liberty Lanterns

A special wick-regulating device prevents a flame with "horns" on the sides, it can be turned up higher than others. Air supplied in just the right proportion, it gives a brighter, whiter, stronger light. Burns longer with less oil than others.

Prices from 60c. to \$3.50.

Don't be persuaded to buy the "just as good" kinds. Buy the best—LIBERTY LANTERNS.

If not at your dealer's, write us.

SIMMONS HARDWARE COMPANY (INC.)  
ST. LOUIS AND NEW YORK, U. S. A.

## APPLETON MANURE SPREADERS QUALITY



"A boy can run it"

THE APPLETON Manure Spreader is as strong as steel and oak can make it. It is so simple that any boy who can drive a team can run it as well as any man and control its every operation from the seat. It is easy to load, easy for the horses to start, does not bunch the manure—but spreads it evenly and uniformly from the beginning to the end of the load, and as thickly or as thinly as needed—and is practically automatic in all its operations. Our Free Spreader Booklet tells you how and why. Send for it now.

Appleton Manufacturing Co.

(Established 1872)

19 Fargo Street, Batavia, Ill., U. S. A.

## FREE BOOK of CRIB PLANS

—Save \$100 to \$500 on the grain you crib. Our books tell how. Your old cribs are O.K. to use a "Little Giant" Elevator with, but write for this new big book. Sent free with our catalog. Gives complete working plans and specifications for building or remodeling most practical used cribs and graineries.

## LITTLE GIANT PORTABLE GRAIN ELEVATOR

—Saves its price quickly in time, labor and money. No hand work. Drive right on wagon dump or jack, throw clutch, start horse-power or your engine, and grain is distributed evenly by conveyor at any height. All automatic and quick. Unloads 60 bu. in under five minutes. Investigate. Thousands in use. Write

PORTABLE ELEVATOR MFG. CO.,  
107 McClum St., Bloomington, Ill.

## FREE CATALOG

Wm. Farris, a farmer living near Jennings, Kan. is reported to have lost 30 head of cows by allowing them to feed on wet Kafir corn.

washed some of it to a somewhat thinner coating than four inches. A couple weeks before the opening of the fair the directors met on the grounds to look over the situation finally, as to whether or not we were already for the opening. Various old "experts" on track building had been giving advice all summer as to how it should be harrowed and rolled and sledged and dragged and planed and sprinkled and so on. On this particular day, however, the sun was shining bright and hot in the latter days of August. The track was dry and all the "experts" employed on the work, reported that the track was in such condition that now the only thing to do with it was to oil it, after the fashion of making roads in this country where crude oil is plentiful and occasional sandy reaches are found here and there in sandy river bottom roads or perhaps across a range of sandy hills. The chief and oldest "expert further reported that the soil with which the track was veneered was rotten. Before final action was taken the directors in a body went out upon the track to make a close examination and to their great mortification found that in many places the soling would crumble up and kick out in holes. The "expert" had said that unless the track could be oiled that a horse would not be able to go better than 2:30—that he doubted if Dan Patch could beat 2:30 on it, and it really looked like he was right.

For a little time the directors were perfectly nonplussed. It looked like their work had been in vain and that the race meeting soon to come off, would and sound judgment of each man was made a failure, and the experience and sound judgement of each man was called upon and each must exercise his most profound thought applicable to the situation? Nobody except fair managers can appreciate the dilemma. First it was suggested that this soil was of the very highest quality for trackmaking, having the quality when wet to a proper degree to have a putty-like texture. It was said "We will plane this track no more. We will sprinkle it day and night until it is wet down and then when wet just the right degree and every square foot and square inch alike, we will put on a ten ton roller and roll it and use the nail harrow to make a cushion." The "expert" says: "If you do that this roller will make your track as hubble-de-bubbled as a corduroy road." And of course the heavy machine was put on with great temerity. The engineer was advised to go to the hub fence and start around and go very slow. He was followed around the half-mile carefully watched, and the joy can more easily be imagined than expressed when it was found that at no place did the roller leave a depression amounting to as much as a half an inch. Every run the roller made around the track from the hub fence to the rim, proved the track to be perfect as to foundation. It was as level as a floor and as smooth as glass. The nail harrow followed up. The sprinkler ran during the night, the nail harrow followed the rising sun, and the rolling and harrowing continued until the track was found to be perfect. The newly shod trotter pacer or thoroughbred, when going at their swiftest gait, only made a slight but clear and distinct impression in the track.

The directors met again just before the fair opened and observed the perfect condition of the track and they all agreed that what seemed to be a most deplorable and abject failure, had been turned to a perfect job. The next week the fair came on. The track was kept in perfect form, and all records of trotting and pacing went glimmering. At the end of the meeting the track held the state trotting record and had Bill Barleycorn not come under the wire in a jog in 2:09 1/4 the pacing record of the state would have also been beaten by a full second. The entire meeting was one of the fiercest racing battles ever seen in the state with many of the most exciting and closest finishes. Notwithstanding all this, the horses went away at the end of the week feeling in their best physical condition, because they had raced over a track that was surfaced with a rebounding soil which while it tended to accelerate their speed, did not jar them or bruise them in the least. We suggest to track builders and fair managers that what may frequently appear to be a failure ahead may be turned into the very greatest success. We feel that we can

# Readers Market Place

## CLASSIFIED ADVERTISING

3 CENTS A WORD

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

### HELP WANTED.

WANTED—MEN TO SELL RIDING ATTACHMENT for plows, listers, harrows. Weight 110 lbs. Clamps on beam, makes complete riding implement. Address, Plow Co., Coffeyville, Kan.

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

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

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

### HORSES AND MULES.

FOR SALE—25 HEAD WELL BRED horses, three to five years old, saddlers and roadsters, at reasonable prices. S. R. Shupe, Sitka, Kan.

MULES FOR SALE—27 HEAD COMING 3 years old; 26 head 3 and 4 years old; 25 head 5 to 7 years old, 16 hand. The 25 head just out of work but in fair flesh. All native and good sized mules. Make date by letter or wire if you care to look at them. Wm. Colter, Garden City, Kan.

### SWINE.

FOR SALE—REGISTERED POLAND China sows bred for fall litters. Spring pigs either sex. Meddler blood. O. Warrensburg, Seneca, Kan.

POLAND CHINAS, SHORTHORNS AND B. P. Rocks—Yearling boars, sows and gilts open or bred, also fall pigs. B. P. Rock eggs \$3 per 100. A. M. Jordan, Alma, Kan.

### CATTLE.

JERSEYS FOR SALE—A CAR LOAD OF high grade cows and helpers. E. B. Davis, Columbus, Kan.

RED POLL CATTLE SALE SEPT. 14, 1909, at Emporia, Kan. Write for information. John E. Hinshaw.

FOR SALE—A LIMITED NUMBER OF high grade Polled Durham cows and helpers. C. M. Albright, R. 2, Overbrook, Kan.

FOR SALE—CAR LOAD OF REGISTERED Shorthorn cows and helpers, fine ones, Scotch breeding. J. J. Thorne, Kinsley, Kan.

FOR SALE—REGISTERED JERSEY bull, nearly mature, fine individual, gentle, quick and sure, and bred fashionably along butter and milk lines. His sire and dam's sire bred as well as the best in any eastern herd. T. H. Scantlin, Route 6, Chanute, Kan.

ALYSDALE SHORTHORNS—IN SERVICE—Prince Consort 187008, red; Master of Alysdale 241519, roan. For sale now, 10 registered, extra choice young bulls, from 8 to 16 months old. All red. Also 20 cows and helpers. Fine ones, at prices below their value. Let me show them to you. Charles W. Merriam, Columbian Building, Topeka, Kan.

### SHEEP.

FOR SALE—SHROPSHIRE RAMS; Registered and ready for service. Ernest Gifford, Beloit, Kan.

### DOGS.

FOR SALE—COLLIES OF ALL AGES. Natural born cattle drivers. Pedigreed stock. Write for circular. Harry Wells, Belleville, Kan.

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

COLLIES OF ALL AGES FOR SALE—They are stock drivers, pets and home protectors, 260 head sold last year. Write for illustrated circular and prices. Would like to buy a few ferrets. Address Harvey's Dog Farm, Clay Center, Neb.

### SEEDS AND PLANTS.

FOR SALE—ALFALFA, TIMOTHY, BLUE grass and other grass seeds, seed buckwheat, turnip seed and other seeds for fall planting. Send for prices. The Barteldes Seed Co., Lawrence, Kan.

FOR SALE—KHARKOF SEED WHEAT, re-cleaned and sacked F. O. B. cars here at \$1.50 per bushel. This wheat made an average of over 30 bushels this year. A. F. Huse, Manhattan, Kan.

WANTED—NEW CROP MEADOW FESCUE or English blue grass, clover, timothy and other grass seeds. Please write us when you have any to offer. The Barteldes Seed Co., Lawrence, Kan.

promise the horsemen for our five days racing event this year, a track equally as good as was raced over last year. A. L. Sponsler, Secretary, Hutchinson, Kan.

### REAL ESTATE.

OKLAHOMA LANDS, CUSTER AND Dewey counties. Write for our large cheap list. Sorter & Gray, Custer City, Okla.

FOR EXCHANGE—A CHICAGO SUBURBAN lot for a draft stallion or a jack. W. J. Yoho, 316 S. Seneca St., Wichita, Kan.

\$20 ACRES WELL IMPROVED, 11 MILES north Burdett, Kansas, price \$25 per acre. Terms, address, Owner, C. S. Eno, Larned, Kan.

FOR SALE—THREE GOOD FARMS—300 acres, 120 acres, 16 acre truck. For full information and description address, 1001, Minneola, Tex.

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

FOR SALE—ONE THOUSAND ACRES irrigated land in the fruit belt of western Colorado. For information address E. R. Hartman, Maher P. O., Montrose Co., Colo.

786-ACRE HIGHLY IMPROVED LYON County Ranch for \$34.00 per acre. Write for full description and list of small farms. Hurley & Jennings, Emporia, Kan.

IF YOU ARE COMING TO TEXAS SEND for our new book, "A Trip to Southwest Texas," full of valuable information and will cost you nothing. Byrd & Clarkson, Uvalde, Tex.

FOR QUICK SALE—200 ACRES, FINE dairy and stock farm, \$3,500 worth of improvements, close to good town. Price \$5,500. Farms and ranches, all sizes. Write for lists. Garrison & Studebaker, McPherson, Kan.

BARGAINS—160 ACRES, 150 CULTIVATED, 14 alfalfa, 8-room house, good barn, other outbuildings, homey place, orchard, price \$5,200. All kinds and sizes. Write for lists. Garrison & Studebaker, Salina, Kan.

"MILLIONS ACRES PUBLIC LAND—Given Away in Oregon by Uncle Sam—When—How—Where"—Write for this free booklet, containing full particulars. Douglas County Abstract Co., Roseburg, Ore.

FARMS IN THE CORN, WHEAT AND alfalfa belt of Lyon, Greenwood and Chase counties. Best combined farming section in the West. Owners' prices. Write for lists, stating what you want, to J. M. McCown, Emporia, Kan.

A REAL FARM BARGAIN—132 ACRES well improved, 12 roomed house, 2 large barns, fenced and cross fenced, orchard, good water. Price \$6,000.00. Three miles west and 1/2 mile south of Baxter Springs, Cherokee county, Kansas. A. L. Jones, Baxter Springs, Kan.

FREE HOMES FOR EVERYBODY UNDER the homestead and desert acts. Sulphur Springs Valley, Arizona, is fast settling. Water obtained at a depth as shallow as 4 1/2 feet. As fine alfalfa land as there is in the world. For further information address the McCall Realty Company, Cechise, Ariz.

FARMERS OF SMALL MEANS—OKLAHOMA sells two million acres school land soon, on 40 years' time, which gives you chance to own home. Big opening of 4,000, 000 acres Indian land, 4 years' time. One crop pays for land. Send 25c for descriptive booklet telling all about it. M. N. Due, publisher, Dept. 28, Tecumseh, Oklahoma.

CENTRAL KANSAS FARM LANDS—WE have large lists of choice farming lands in the Great Arkansas River Valley of Kansas, ranging from \$15 to \$100 per acre, according to location and improvements. Best wheat, corn and alfalfa raising soil in the world. Every acre pays big interest on investment. Write us today for full particulars, Cooke & Grant, 16 N. Main St., Hutchinson, Kan.

### MANURE SPREADER.

FOR SALE—A NEW MANURE SPREADER, never used, none better made. It is for sale for a special reason at considerably less than the list price. If you have been thinking of buying a manure spreader, and every progressive farmer is thinking about buying one, here is your opportunity to get an absolutely new one at a special price. Write quick. Address A. Turner, care Kansas Farmer, Topeka, Kan.

### MISCELLANEOUS.

PATENTS PROCURED AND SOLD; BIG money in patents; book free. H. Sanders, 115 Dearborn St., Chicago, Ill.

GENUINE BARGAINS IN HIGH-GRADE Upright pianos. Slightly used instruments; 12 Steinways from \$350 up; 6 Webers from \$250 up; 9 Krakauers from \$250 up; 7 Knabes from \$250 up; 3 Chickering from \$250 up; also ordinary second-hand Uprights \$75 up; also 10 very fine Parlor Grand pianos at about half. Write for full particulars. Cash or easy monthly payments. Lyon & Healy, 62 Adams St., Chicago. We ship everywhere on approval.

### POULTRY.

BUFF COCHIN EGGS—HOUSEL, JEWEL, Kan.

BARRED ROCKS—EXTRA FINE SPRING cockerels and breeding pens at half price now. Circulars. A. H. Duff, Larned, Kan.

### LAWYERS.

A. A. GRAHAM, ATTORNEY AT LAW, Topeka, Kan.

# THE FARM



Wherever alfalfa grows the land is not only enriched but the grower as well, for it not only fills the soil with valuable plant-food, but as hay and pasture it brings large returns that substantially increase the owner's bank account. Through its wonderful root-system alfalfa restores, enriches and improves rather than depletes the soil, to the great benefit of other succeeding crops. It makes poor land good, and good land better.—Coburn of Kansas.

In spite of the general business depression in the cities the market for good draft horses has been good. With the revival of business which is already in sight this demand will be something big. Farmers who are breeding their mares to inferior and cheap grade stallions and to little trotters are robbing themselves of the opportunity to get good prices for their geldings. Such an opportunity as now exists and will continue to exist for an indefinite time was never before seen in America. The wise farmer is he who has good mares breeds to good stallions and is ready for this market.

In the last four years many thousands of bushels of improved wheat have been sent out from the experiment stations at Manhattan and Hays to up-to-date farmers. Many of these farmers now have large fields of this wheat, aggregating probably 200,000 acres in the state. The Director of the State Experiment Stations is, this week, starting out a corps of men to visit hundreds of farms, examine into the conditions of the wheat and arrange with the farmers to use care in thrashing the wheat to keep it clean and pure and then to hold it for seed. The station will list these farmers in a seed wheat circular and thus help them sell their entire product, graded for seed. Two more years ought to enable all the farmers of Kansas to have improved seed for their fields and then Kansas will have the peculiar record of having its entire acreage seeded to improved hard wheat, the best in the world.

## Wheat for Anderson County.

I have just received your bulletin in regard to wheat. I have 40 acres which I wish to sow to wheat this fall. It has never been in wheat to my knowledge.

Can you furnish me some seed wheat for the same or for any part of the same? Am willing to pay any reasonable price for it, and want a variety suitable for Anderson county, in the east central part of the state. There is no chance for the seed to become impure. Have a few acres of tame hay to put up and will then be ready to follow any detailed instructions which you will kindly furnish. The land was used for a pasture last year. It has an irregular stand of young red clover on it and considerable weeds. The ground is hard. Can a person get a stand of alfalfa by plowing up or disking up oats stubble and sowing the same fall?—Francis M. Black, Kincaid, Kan.

We will have a considerable supply of good seed wheat of the Kharkof, Improved Turkey Red, Crimean and Ghirka varieties for sale. These are among the best producing varieties. The price is \$2 per bushel, f. o. b. Manhattan, for graded seed. We have been limiting the supply to one purchaser to 20 bushels. If you require a larger quantity I could refer you to growers of wheat who have previously secured seed from this station. We are securing information toward preparing a list of such growers of wheat.

I have been speaking of hard red winter wheat. In your section of the state, Anderson county, the soft wheat might succeed equally well, or even better, on bottom land. We have a limited amount of seed of several varieties of Fultz, Fulcaster, Mediterranean, Zimmerman and Sibley's New Golden. We have not been breeding these varieties of wheat, but they are fairly pure and good seed and among the best producing varieties. It will be impossible, however, for us to supply seed of any of these varieties for forty acres, which would require from 40 to 50 bushels. One bushel of graded seed per acre is enough when planted in a well prepared seed-bed.

As I take it, the land which you wish to put to wheat is now in pasture grass and clover. I would advise you to plow as early as possible, not later than the middle of August. Disk and harrow the land at intervals to pulverize and settle the soil, destroy weeds and maintain the mellow soil mulch to conserve the soil moisture. Do not sow the wheat until about the last week in September or first week in October. I am mailing you a circular giving further information regarding seed bed preparation for wheat, etc.

A good stand of alfalfa may be secured by early fall seeding on oats stubble. Prepare the seed-bed either by plowing shallow immediately after harvest or disking and harrowing at intervals until seeding time. If the weeds start much it will be advisable to plow rather than to disk. However, it will be necessary to disk and harrow several times in order to pulverize and settle the soil, destroy the weeds, and maintain the mellow soil mulch to conserve the soil moisture. An ideal seed-bed for alfalfa should be well pulverized and well settled and mellow or loose only about as deep as the alfalfa seed is planted. Prefer to sow early in the fall, the last week in August or the first week in September.

## Teaching Agriculture.

BY DR. CYRIL G. HOPKINS, DEAN OF THE ILLINOIS COLLEGE OF AGRICULTURE.  
There are two sides to agriculture. One is the art, the oldest art in the world, unless it be hunting and fish

## WINTER WHEAT CROP INSURANCE

One way to protect your winter wheat from planting it in the ground, not on top. With you can greatly increase your yield per acre, your crop sure.

frost—by less seed, and make

## Van Brunt Single Disc Drills

give your seed and soil every possible chance to make good. The Van Brunt adjustable force feed drill plants every seed secure from frost—every seed with germ of life will grow—no seed is wasted—no ground is idle because seed was not properly sown, and this means more bushels to the acre.

Grain grows to equal height and reaches ripeness at same time increasing quality of crop. For Oats in Spring, Wheat in Fall, and for Alfalfa. Guaranteed not to clog in cornstalks, mud or trash. Truss rods and bridge construction prevent racking and sagging. No cogs to wear, or parts to work loose. Wheel hubs, long and dust-proof. Discs need only one oiling a season. The lightest weight and easiest running of all drills.

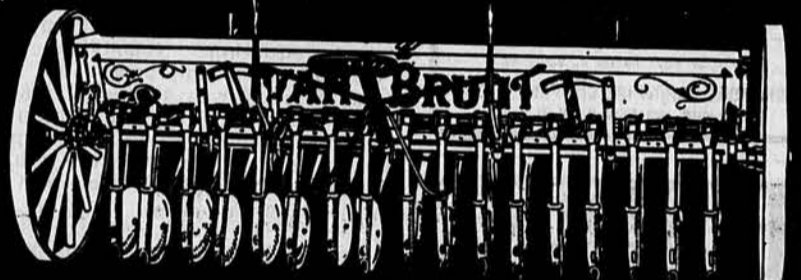
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## LESS SEED BIGGER CROPS



ing. The other is the science, the newest of all sciences. People get these confused. We need to prevent in Illinois [and other western] soils the thing that has occurred in West Virginia and New England. How much easier it would have been for the East to preserve her soils than it is now to restore them. We must maintain our soils and their productive power or we must come to the same condition of periodical famines and starvation of other countries like China, India and Russia. It is figured that we will have 200 million people here to feed in the next 40 years, and we must be independent, must raise our own food.

## EVIL RESULT OF GOOD WORK.

It is a hard task to get Illinois farmers to maintain what they have got in the soil. It is not enough to work from 4 a. m. to 10 p. m.; hard work will not build up the soil. Tile drainage will not build up the soil. Larger crops secured by deep plowing or better cultivation will only make the land poorer. Planting the best seed so there is not a missing hill in the field, will not enrich the soil any, not a bit.

## A STARTLING QUESTION.

Do we do anything to enrich the land, or are we exerting all our thought and energy in efforts to make the land poorer? But a farmer says, "I'm helping my land; I'm growing clover."

Growing two or three crops of corn and then one crop of clover and removing it from the land, is only helping to make the land poorer. He will get a better crop of corn after the clover, and so he will after tiling or using better seed, or cultivating well, but this doesn't prove absolutely that the land is getting richer.

## SIMPLE PROBLEMS IN ARITHMETIC.

Two 50-bushel crops of corn will take 100 pounds of nitrogen from the soil (even when the stalks are plowed under); a 50-bushel crop of oats will remove 45 pounds of nitrogen. Here is 145 pounds of nitrogen lost in three crops. If the clover crop gets all its nitrogen from the air, and we plow under one ton per acre of the clover be-

sides the roots, this will return to the soil only 60 pounds of nitrogen; we are still short 85 pounds of nitrogen. We are not building up the soil. Almost no farmers in the state are turning under enough clover to keep up the nitrogen that is removed by the crops of the rotation.

## A KIND OF SOIL INTemperance.

We are using clover as a stimulant, turning under no more than one-fourth or one-half as much as the soil needs to make up for what the crops take off. It is just like drawing \$4 out of the bank and putting in \$1. We are returning to the soil just enough nitrogen to stimulate and encourage the young plants, but of course the soil is growing poorer.

That's what we are doing in the art of agriculture, getting up at 4 a. m. and working until 10 p. m. What is to prevent us from ruining the land? Do you know of any soil area as big as Illinois that has been farmed for 200 years that has not been practically ruined? I do not, unless it is the valley of the Nile. Nine-tenths of the farms in the eastern states are not making money; the owners are just getting a living.

## SCIENCE TO THE RESCUE.

The science of agriculture must help us to restore plant food to the soil and to maintain its fertility. Some farmers think the public schools are going to teach the art of agriculture. That is a mistake. They should teach the thing that the farmer doesn't know and that he can't find out by getting up at 4 o'clock in the morning and working hard all day—teach what the soil contains, what the crop takes out of it, what is required by the soil to grow good crops for a thousand years.

## ONLY ONE WAY.

Rotation doesn't add anything to the soil. It doesn't help the bank account for all the members of the family to write checks against it instead of one. There is only one way to enrich the soil, the same as the bank account, and that is to put back what you take out and a little more. Don't you think the farmer ought to know what it takes to make corn, and what building up the soil needs to supply this material?

## "OHIO" SILAGE CUTTERS

What do you know about Silage Cutters? Which do you think is the best? Why do you think so? "Ohio" Silage Cutters give absolutely the best results. We believe we can prove this to you. Will you give us the chance? Our big new "Ohio" book—the finest ever printed—will post you on Silage Cutter essentials. It's a beauty—104 pages—with 56 pages of photographs of "Ohio" Cutters at work everywhere. It will make you sure about

"Ohio" Blower Silage Cutters (6 Sizes—Cut 3 to 30 Tons an Hour—5 to 16 H.P.) about their dependability, capacity, durability, and construction, power requirements, evenness and quality of the cut product, high class of users, prices, etc. Send for it today. Mailed free.

The Silver Mfg. Co.  
Salem, Ohio

Modern Silage Methods,  
224 pages, 10c coin or stamps.



## 15 Cents a Rod

For a 24-inch Hog Fence, 16¢ for 36-inch; 19¢ for 31-inch; 23 1/2¢ for 24-inch; 27¢ for a 47-inch Farm Fence. 50-inch Poultry Fence 31¢. Lowest prices ever made. Sold on 30 days trial. Catalog free. Write for it today. KITSUMAN BROS., Box 61, MUNCIE, IND.

# HOME CIRCLE



**In Life's Hard School.**  
This truth I learned from one who rose at length  
After defeat and failure many a time—  
That life's rough rocks but mold to manlier strength  
Such hearts as dare to climb.  
—Eugene C. Dolson.

**The Night Before the Mowing.**  
All shimmering in the morning shine  
And diamond with dew,  
And quivering in the scented wind  
That thrills its green heart through—  
The little field, the smiling field,  
With all its flowers a-blowing  
How happy looks the golden field  
The day before the mowing!

All still 'neath the departing light,  
Twilight, though void of stars,  
Save where, low westering, Venus hides  
From the red eye of Mars;  
How quiet lies the silent field,  
With all its beauties glowing;  
Just stirring—like a child asleep—  
The night before the mowing.

Sharp steel, inevitable hand  
Cut keen, cut kind, our field  
We know full well must be laid low  
Before its wealth it yield:  
Labor and mirth and plenty blest  
Its blameless death bestowing;  
And yet we weep, and yet we weep,  
The night before the mowing.  
—Dinah Mulock Croth.

Be such a man, live such a life, that  
If every man was such as you and every  
life a life like yours, this earth would be  
a paradise.  
—Phillips Brooks.

When we complain of being misunder-  
stood, thwarted, criticised, as if that ab-  
solved us from patiently striving still to  
help others, we need to look to Calvary:  
"One whom thou dardest not liken to thy  
dust  
Groaned in his death with anguish and  
mis-trust  
For the whole world to hear—art thou  
more just?  
He made his soul a sacrifice  
To human pangs, and paid their price  
In open day—art thou more nice?"

**The New Treatment of Sprains.**  
For a sprained ankle we used to or-  
der weeks of absolute rest, perhaps  
in plaster of paris. The result was  
that when the sprain was healed, it  
took months to get over the stiffening  
produced by the treatment. (Con-  
sider, in passing, how people stiffen  
up in their mental joints under en-  
forced mental rest.) Now most per-  
sons who sprain their ankles are ad-  
vised to use the joint from the first—  
cautiously and with proper support, to  
be sure—but never giving up its use  
altogether, even though pain is severe.  
With this treatment such troubles as  
sprained ankle and water on the knee,  
recover in less than half the time  
which used to be consumed when it  
was thought necessary first to rest  
and then to get over the bad effects of  
the rest.—Richard C. Cabot in Good  
Housekeeping.

## Back to the Home Roost.

A traveler in Arkansas came to a  
cabin and heard a terrifying series of  
groans and yells. It sounded as if  
murder was being committed.

He rushed in and found a gigantic  
negro woman beating a wizened little  
old man with a club, while he cried for  
mercy.

"Here, woman!" shouted the travel-  
er, "what do you mean by beating that  
man?"

"He's mah husband, an' I'll beat him  
all I likes," she replied, giving the  
man a few more cracks by way of em-  
phasis.

"No matter if he is your husband,  
you have no right to murder him."

"Go 'long, khite man, and luf me  
alone. I'll suah beat him some moah."

"What has he done?"

"Wha's he done? Why, this triffin'  
no-count nigger done lef' de door of  
my chicken-house open and all mah  
chickens done gone out."

"Pshaw, that's nothing. They will  
come back."

"Come back? No, suh, they'll go  
back."—Saturday Evening Post.

## Keep Well and Comfortable.

Did you ever think that many of the  
little discomforts of life, may in the  
end bring upon one's self ill-health?  
Tight shoes, heavy hats, choking col-  
lars, uncomfortable corsets may not  
seem matters of much importance and  
most of us think that we must adopt  
these fashions, if fashion decrees that  
such styles are proper. While one  
may escape without anything more  
than the feeling of temporary pain,  
the chances are that even a few ap-

plications of the torture may fasten  
upon her some acute and terrible dis-  
ease. However, a remedial discomfort  
may bring peace and health.

Though a discomfort undertaken for  
show may delight for a time, the end  
thereof is distress, perhaps invalidism,  
so do not endure physical discomfort  
simply for looks or fashion.

There are many ways of relieving  
slight illnesses or disorders, which  
every house mother should know and  
use when the need arises.

Out of door exercise, moderate at  
first, will cure almost anything if  
taken when the trouble first appears.  
Plenty of fresh water is another of  
nature's remedies. A pint of warm  
water upon rising in the morning is  
an almost sure cure for constipation.  
A cold sponge bath taken rapidly in  
a warm room or a cool shower bath  
will be found an excellent cure for  
the blues and the depression which  
often weighs one down after close con-  
finement in a sick room.

A cinder may be removed from the  
eye, by rubbing the one not affected,  
or hold fast the opposite nostril, pull-  
ing down or up the affected eye.

Should any foreign substance lodge  
in the ear, it must be removed by a  
physician as the ear is too delicate a  
member to be tampered with. Noth-  
ing hard should ever be used in clean-  
ing the ear. A piece of soft muslin  
moistened with sweet oil is the only  
cleansing agent that can be safely  
used by unskilled hands.

Binding dampened salt upon stings  
or bites of insects will relieve the  
burning and smarting.

For one who suffers with tired, ach-  
ing feet, try a warm foot bath, to  
which has been added a little salt.  
When thoroughly dry rub with lemon  
juice or vinegar. Do not stand on a  
hard floor, but have a soft rug, which  
can be used wherever your work calls  
you in the kitchen. Even several  
thicknesses of newspaper are better  
than nothing. Best of all have a high  
stool in the kitchen and thus avoid  
too much standing.

Do not read or otherwise tax the  
eyes when tired or hungry. Do not  
allow any one but a reliable oculist  
to fit your eyes with glasses. No wo-  
man should wear a dotted veil, for it  
will inevitably affect the eyesight.  
Bathe the eyes often in warm water,  
then dash cold water on them. They  
need cleansing and stimulating, as  
well as other parts of the body.

But the main requisite to good  
health and spirits is the perfect activ-  
ity and freedom of the digestive or-  
gans. This should be secured at all  
hazards and if regular exercise and a  
proper diet will not do it, then resort  
to the simplest remedies possible.

## "Chigger" Cures.

Chigger time is here again and many  
people, as well as some animals, will  
suffer from their attacks. Some per-  
sons seem to be entirely immune,  
others nearly so but the great major-  
ity dread these little pests and wel-  
come anything that will give relief.

The Ohio Experiment Station rec-  
ommends that so far as possible one  
should avoid sitting or lying in loca-  
tions that are apt to be infested.  
Where exposure is unavoidable, dust  
flowers of sulfur into all the under-  
clothes, especially into the stockings  
and inside the shoes. Thrashermen  
should sift it into all their clothing  
and rub it over their bodies. Where  
infested straw must be stored in  
mows, dust the floor with sulfur and  
thoroughly sift it over the first layers  
of straw placed on the floor. Naphtha-  
line powder may be used instead of  
sulfur and is said to be equally ef-  
fective, but the odor makes it more  
objectionable. As soon as possible  
after quitting work, exposed persons  
should take a bath in strong soapsuds.  
The carbolic and tar soaps are very  
pseful for this purpose. If the mites  
have already penetrated beneath the  
carbolic soap. A very effective wash  
skin, bathe in a very strong suds of  
carbolic soap. A very effective wash  
for this purpose is to make a solution  
of one of the coal tar sheep dips, one

part of the dip to about 100 to 150  
parts of water. Other solutions that  
may be used on the welts are of am-  
monia, coal oil (kerosene) or ordinary  
cooking soda. A dilute tincture of  
iodine or collodion, if lightly applied  
to the swellings, will protect from the  
air and allay the smarting sensation.  
A complete change of clothing should  
be made after bathing.

## How Fido Saved Their Lives.—A Story for Little People.

RUTH COWGILL.

Three children were playing on the  
bank of a little stream. The stream  
was muddy, but they were barefoot,  
and having a splendid happy time.  
Their dog Fido was with them, and  
sometimes he was in the stream and  
sometimes he was in the mud, and I  
think he was as happy as any of them.  
Presently one of the children said:

"Let's go down to the old apple-or-  
chard and see if there are any wild  
strawberries ripe."

"All right," said the others and they  
started off, Fido wagging his tail in  
great glee as he followed along be-  
hind them.

They had to go through a big bare  
field where the cattle pastured, and  
they had forgotten that their father  
had bought some new ones lately.  
Among these new cattle was a big red  
bull, called Old Tom, and he was a  
cross old fellow.

The children rolled under the  
barbed wire fence and were walking  
along gaily when they heard Fido  
barking wildly. They looked about,  
and he was on the other side of the  
fence again, standing over something,  
apparently, and barking in great ex-  
citement. He looked toward the chil-  
dren, and wagged his tail and jumped  
and yelped, then back he turned to  
something at his feet, and whined.  
It certainly was mysterious.

"Let's go see what is the matter,"  
said the biggest child.

"Yes, let's," said the others and they  
started running toward the fence.

In a minute, they heard a loud bang-  
ing of heavy hoofs, and casting a  
glance behind them, they saw a great  
red fierce-looking thing charging  
across the pasture toward them.

"The new bull!" shrieked the oldest  
boy. "Run." And they did run, as  
fast as their feet would go, while Fido  
rushed in and ran with them, barking  
more furiously than ever. They rolled  
under the fence just in time, but they  
did not stop there. They made for an  
old dug-out which was not far from  
where they had been playing, and ran  
into it, tumbling on the earth-floor out  
of breath and trembling.

"I tell you, that was a narrow es-  
cape!" said the biggest boy.

"What do you suppose Fido was  
barking about?" asked another, as  
soon as he had got his breath.

"I don't know, but he saved our

lives, anyhow," said the biggest boy.  
"If we had not turned just then, we  
should have been too far from the  
fence to reach it. Fido, you good old  
fellow!" and he hugged the little dog.

"I believe Fido did it on purpose,"  
said the little girl. "I just believe he  
saw Old Tom, and thought he would  
get us out of the pasture as quick as  
he could. My! But you're a smart  
dog, Fido!" And she hugged him, too.

The boys laughed a little, but the  
smaller boy said:

"Well, he saved our lives, anyhow."  
And he hugged Fido, too.

## RECIPES.

### Creamed Corned Beef.

Cook 2 tablespoonfuls of butter, 3  
tablespoonfuls of flour, 1 tablespoonful  
of lemon juice, a dash of cayenne and  
of celery salt, add slowly 1½ cups of  
milk, then a sprig of parsley and 1  
slice of onion. Strain, place once  
more over the fire and when smooth  
and boiling, add 2 cups of cooked  
corned beef cut into small pieces, heat  
thoroughly and serve.

### Creamed Onions.

Boil onions, put them in a baking  
dish and cover with a milk sauce  
made of 1 teaspoonful of butter, 1 ta-  
blespoonful of flour, 1 cup of milk, salt  
and pepper, sprinkle with buttered  
crumbs and bake until brown.

### Tapioca Pudding.

An excellent and inexpensive tapi-  
oca pudding is made as follows:

Cover three tablespoonfuls of tapi-  
oca with water, stand over night.

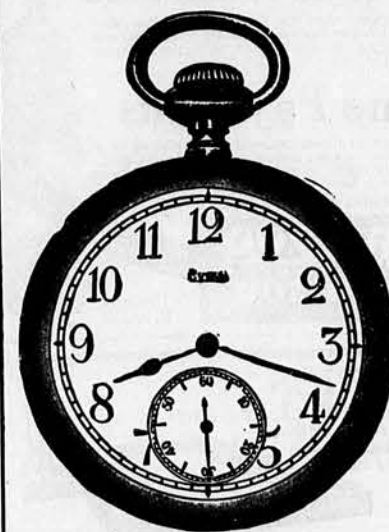
In the morning add one quart of  
milk, a small piece of butter, a little  
salt. Put on to boil in a double boiler.  
Beat the yolks of three eggs with one  
cupful of sugar, add to the mixture  
and cook until it becomes a thick cus-  
tard. Flavor with vanilla. When cold  
cover with the whites of the three  
eggs beaten until light and sweetened.

### Sugar Syrups.

For the various uses, syrups must  
have different preparation. For sher-  
bets, preserves, etc., put one cupful of  
sugar and a half cupful of water on to  
boil; do not stir after it begins to boil  
but let boil fifteen minutes; dip the  
finger in cold water and take up a lit-  
tle of the syrup between them, draw  
apart, and if a thread forms, the syrup  
is in the second degree, and ready for  
use. If a richer preserve is wanted,  
let boil a little longer, then take up a  
little on a spoon, and if by blowing on  
it bubbles fly off, it is right for creams  
and rich preserves. This is the fourth  
degree. If when taken up later, on a  
stick, the syrup is brittle, it is the  
sixth degree, and is right for fruit  
glace, and the fruit should be put on  
hooks of fine wire, dipped into the  
brittle syrup and hung up where noth-  
ing will touch it until dry, or laid on  
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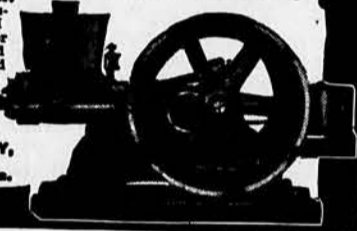
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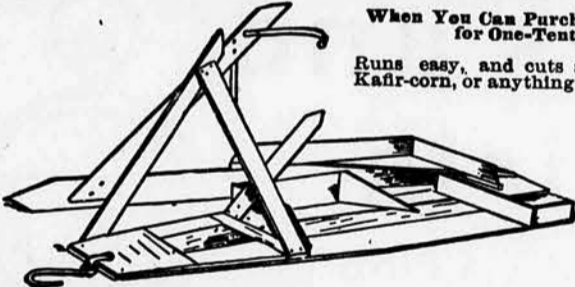
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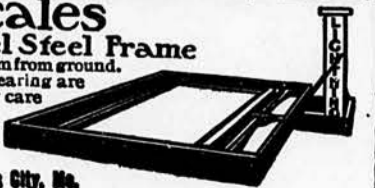
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## RICH MEN'S CHILDREN

By Geraldine Bonner

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(Continued from last week.)  
"I'm going," she said fiercely. "Don't dare to touch that bell! But just be sure of one thing, Bill Cannon, this is not the last you or your daughter will hear of me."  
He bowed with an air of irony that was so slight it might not have been noticed. Any messages from you will be received by me with pleasure. But when it comes to other things—her hand was on the door-knob but she had to listen—"remember the little spider."  
"Rats!" she said furiously, and tore open the door.  
"Good afternoon, Mrs. Ryan," he cried. "Good afternoon!"  
She did not answer, but even in her excitement was conscious that the clerks behind the partition might be listening, and so shut the door, not with the bang her state of mind made natural, but with a soft, lady-like gentleness. Then she walked, with a tapping of little heels and a rustle of skirt linings, down the long, narrow office and out into the street.

### CHAPTER XXI.

**The Lion's Whelp.**  
It was late, almost dark, that evening when Cannon left his office. He had sat on after Berny's departure, sunk in a reverie, which was not compounded of those gentle thoughts that are usually associated with that state of being. In the past, when he had been struggling up from poverty, he had had his fierce flights, and his mortifying defeats. He had risen from them tougher and more combative than ever, filled with the lust of vengeance which in the course of time was assuaged. But of late years few (and these antagonists of his own measure) had had the temerity to cross swords with him.

Now he had been defied in his stronghold and by the sort of a person that he looked upon as a worm in the path—the kind of worm a man did not even tread on but simply brushed aside. It was incredible in its audacity, its bold insolence. As he walked down Montgomery street to the car, he pondered on Berny, wondering and with a sort of begrudging, astonished admiration of a courage that he could not but admire. What a nerve the woman had to dare to threaten him! To threaten Bill Cannon! There was something wild, uncanny, preposterous in it that was almost sublime, had the large, elemental quality of a lofty indifference to danger, that seemed to belong more to heroic legend than to modern life in the West. But his admiration was tempered by his alarm at the thought of his daughter's learning of the sordid intrigue. The bare idea of Rose's censuring him—and he knew she would if she ever learned of his part in the plot—was enough to make him decide that some particularly heavy punishment would be meted out to the woman who dared shatter the only ideal of him known to exist.

But he did not for a moment believe that Berny would tell. She was angry and was talking blusteringly, as angry women talk. He did not know why she was in such a state of ill temper, but at this stage of the proceedings he did not bother his head about that. For the third time she had refused the money—that was the only thing that concerned him. If she refused three hundred thousand dollars, she would refuse anything. She would know it was as large a sum as she could expect. If that would not buy her, nothing would. Her threats were nonsense, bluff and bluster; the important thing was, she had determined, for some reason of her own, to stick to Dominick Ryan.

How she had found out about Rose he could not imagine, only it was very enraging that she should have done so. It was the last, and most detestable fact in the whole disagreeable business. Brooding on the subject as the car swept him up the hill, he decided that she had guessed it. She was as sharp as a needle and she had put this and that together, the way women do, and had guessed the rest. Pure ugliness might be actuating her present line of conduct, and that state of mind was rarely of long duration. The jealous passions of women soon burned themselves out. Those shallow vessels could not long contain feelings of such a fiery potency, especially when harboring the feeling was so inconvenient and expensive. No one knew better than Berny how well worth her while it would be to cultivate a sweet reasonableness. This was the only gleam of hope left. Her power to endure the present conditions of her life might give out.

That was all the consolation the Bonanza King could extract from the situation, and it did not greatly mitigate his uneasiness and bad humor. This latter condition of being had other matter to feed it, matter which in the interview of the afternoon had been pushed into the background, but which now once again obtruded itself upon his attention. It was the first of May. By the morning's mail he had received a letter from Gene announcing, with the playful blitheness which marked all the young man's allusions to the transfer of the Santa Trinidad ranch, that the year of probation was up and he would shortly arrive in San Francisco to claim his own.

Gene's father had read this missive in grim-visaged silence. The sense of self-approval that he might have experienced was not his; he only felt that he had been "done." Two months before, thinking that the ranch was slipping too easily from his grasp, that he was making too little effort to retain his own, he had hired a detective to go to San Luis Obispo and watch the career of Gene for signs of his old waywardness. On the thirtieth of April the man had reported that Gene's course had been marked by an abstinence as genuine and complete as the most exacting father could wish.

The old man crumpled up the letter and threw it into the waste-basket, muttering balefully, like a cloud charged with thunder. It was not that he wished Gene to drink again; it was that he hated most bitterly giving him the finest piece of ranch land in California. It was not that he did not wish his son to be prosperous and respectable, only he wished that this happy condition had been achieved at some one else's expense.

His mood was unusually black when he entered the house. The servant, who came forward to help him off with his coat, knew the moment he saw the heavy, scowling face. The piece of intelligence the man had to convey—that Mr. Gene Cannon had arrived half an hour earlier from San Luis Obispo—was not calculated to abate the Bonanza King's irritation. He received it with the expressionless grunt he reserved

for displeasing information, and, without further comment or inquiry, went up the stairs to his own room. From there he did not emerge till dinner was announced, when he greeted Gene with a bowing of inspection and the briefest sentence of welcome.

Gene, however, was not at all abashed by any lack of cordiality. At the best of times, he was not a sensitive person, and as this had been his portion since his early manhood, he was now used to it. Moreover, tonight he was in high spirits. In his year of exile he had learned to love the outdoor life for which he was fitted, and had conceived a passionate desire to own the splendid tract of land for which he felt the love and pride of a proprietor. Now it was without let or hindrance. He was the owner of a principality, the lord of thousands of teeming acres, watered by crystal streams and shadowed by ancient oaks. He glowed with the joy of possession, and if anything was needed to complete his father's disfigurement, it was Gene's naive and briding triumph.

Always a loquacious person, a stream of talk flowed from him to which the old man offered no interruption, and in which even Rose found it difficult to insert an occasional, arresting question. Gene had many number of plans. His head was full of the improvement of his land, the development of his irrigating system, the planting of new orchards, the erecting of necessary buildings. He used the possessive pronoun continually, rolled it unctuously on his tongue with a new, rich delight. He directed most of his conversation toward Rose, but even now and then he turned on his father, enthusiastically dilating on a projected improvement certain to increase the ranch's revenues by many thousands per annum.

The old man listened without speaking, his chin on his collar, his eyes fixed in a wide, dull stare on his happy boy. At intervals—Gene almost invariably for a response—he emitted one of those inarticulate sounds with which it was his custom to greet information that he did not like or the exact purport of which he did not fathom.

The only thing which would have swayed his mood would have been a conversation, peaceful and uninterrupted, with his daughter. He had not seen as much of her as usual during the last few days, as she had been confined to her room with a cold. This was the first evening she had been at dinner for four days, and the old man had looked forward to one of their slow, enjoyable chats over her black coffee, as was their wont. Even if Rose did not know of his distractions and schemes, she would know him. She never thought his chattering was as from San Luis Obispo, and he looked sulkily at his son-in-law, and he looked away. And he had hardly had a word with her, hardly, in fact, had heard her voice during the whole meal.

When it was over, and she rose from her seat, he asked her to play on the piano in the sitting room near by.  
"Give us some music," he said, "I want to hear something pleasant. The whole day I've been listening to jays and knaves and fools, and I want to hear something different that doesn't make me mad or make me sick."

Rose left the room and presently the sound of her playing came softly from the sitting-room across the hall. Neither of the men spoke for a space, and the old man, casting a side look at Gene, was maliciously gratified by the thought that his son was offended. But he had reckoned without the offsprings' amiable imperviousness to the brutalities of the parental manner wrought tonight to a condition of absolute indifference by the young man's undimmed gladness. Gene, his eyes on his coffee-cup, was in anything but a state of insulted silliness, as was proved by his presently looking up and remarking, with innocent brightness,

"You didn't expect I'd get it, did you, Pop? I knew from the start you were sure I'd slip up before the year was out."

His father eyed him without replying, a blank, stony stare, before which Gene did not show the slightest sign of quailing. He went on jubilantly in his high, throaty voice.  
"I wasn't dead certain of it myself at the start. You know it isn't the easiest thing in the world to break off drinking habits that have had you as long as mine had me. But when I went down there and lived right on the land when I used to get up in the morning and look out of my window across the hills and see the cattle dotted all over them, and the oaks thick and big and bushy, and feel the air just as soft as silk, I said to myself, 'By gum, Gene Cannon, you've got to have this ranch if you die for want of whisky.'"

"Well, you've got it!" said his father in a loud, pugnacious tone. "You've got it, haven't you?"

"Well, I guess I have," said Gene, his triumph tempered by an air of modesty, "and I guess I earned it fair. I stuck to the bargain and there were times when I can tell you it was a struggle. I never once slipped up. If you don't believe my word, I can bring you men from down there that know me well, and they'll testify that I speak the truth."

The father raised his eyebrows but said nothing. If there was anything further needed to show him what a complete fool his son was, it was the young man's evident impression that the Santa Trinidad Ranch had been relinquished upon his own unsupported testimony. That was just like Gene. For weeks the detective had trotted at his heels, an entirely unsuspected shadow.

"It was Rose who really put me up to it," he went on. "She'd say to me I could do it, I only had to try; any one could do anything they really made their minds up to. If you said you couldn't do a thing, why then you couldn't, but if you said you could, you got your mind into that attitude, and it wasn't hard any more. And she was right. When I got my mind round to looking at it that way, it came quite easily. Rose's always right."

This, the first statement of his son's to which the Bonanza King could subscribe, did not placate the old man. On the contrary, it still further inflamed his sense of angry grievance. It was bad enough to have Gene stealing the ranch—nearly all it was—but to have him chuckling and grinning over it, when that very day Rose's chances of happiness had come to a deadlock, was just what you might expect of such a fool. Out of the fullness of the heart the mouth spoke, growled rather,

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"I was just waiting to hear you give some credit to Rose. Here you are talking all through dinner like a megaphone all about yourself and your affairs, and not giving a thought to your sister."

Gene stared at his parent in ingenuous, concerned amazement.

"Not a thought to Rose?" he repeated, in a high, surprised key. "Oh, yes I have, lots of thoughts. I was just telling you now about how she braced me up."

"Braced you up! Of course she braced you up. Hasn't she been doing it all her life? But you can't think of anything but yourself. Don't you ever look at your sister and think about her and how she feels?"

"Yes," said Gene, giving his head a confirmatory wag, "I do, I do whenever I'm in town. You see, being away on the ranch so much—"

The old man leaned back in his chair, emitting a loud, interrupting groan. Gene stared at him with a dawning uneasiness. He had begun to grasp the fact that his father was in a state of mind which had complications that included more than the old familiar contemptuousness of his everyday mood. He decided to advance more gingerly, for even Gene's imperviousness to snubs did not make him proof against the Bonanza King's roused displeasure.

"I'm sure," he said mildly, "no man ever had a more unselfish sister than I have, or was more devoted to her than I am."

"Then, why the hell," said the old man, "do you go on talking about yourself and your damned concerns, bothering the life out of her when she's got troubles of her own?"

The look of foolish amazement on Gene's face deepened into one of genuine concern.

"Troubles of her own? What troubles has she got?"

One of the most aggravating features of the situation was that Gene could not be told why Rose was troubled and his father was cross. While they were bent under unaccustomed cares, he went happy and free, with nothing to think of except the ranch he had stolen. If he had been any other kind of person, he could have been taken into the secret and might have helped them out. The Bonanza King had thought of ways in which a young and intelligent man could have been of assistance in inducing Mrs. Dominick Ryan to listen to reason.

Gene, if he'd had any ability, if he'd had the brains of a mouse, could have made love to her, induced her to run away with him, and then they could have given her the money and got rid of her without any more fuss. He would have been of incalculable value, and here he was, perfectly useless, too much of a fool even to be told the position, moved by the mere gross weight of his stupidity into an outside place of tranquil ignorance. That his father could not force him to be a sharer in the family troubles made the old man still more angry, and it was a poignant pain to him that the only way he could show his rage was by roaring wrathfully.

"Yes, Rose has troubles. Of course she has, but what have they got to do with you, who don't care about a thing but your damned ranch?"

"What's the matter with her?" said Gene, roused into active uneasiness and quite oblivious to his father's insults. "I didn't know anything was wrong. She didn't tell me."

"No, and she won't," said the father. "And let me tell you if I catch you asking her any questions or giving her any hints that I've said anything to you, you can stay on your ranch and never come back into this house. I won't have Rose worried and upset by every fool that comes along."

"Well, but how am I to find out what's the matter with her?" said the altogether baffled brother, "if you won't tell me, and I'm not to ask her?"

"You needn't find out. It's her affair—hers and mine. Don't you go poking your nose in and trying to find out. I don't want you butting into Rose's affairs."

(To be continued next week.)

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## LINCOLN BUSINESS COLLEGE

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# POULTRY



Now is a good time to be culling out the surplus young roosters to be sold for broilers or roasters. The butchers are paying a very good price now for young chickens and it would be more profitable to sell them now than to wait longer expecting a higher price.

A broiler should be short in head, broad, deep and full in breast, small in comb and a pound and a half to two pounds in weight. The body should be short, deep and well-rounded, the back short, broad and flat at the shoulders and the skin should be a deep yellow. The legs should be short and the thighs stout, the color a bright yellow.

Fowls should be fasted from fourteen to sixteen hours before killing. If this is not done, the carcass soon decomposes, turns the bird green and renders it comparatively worthless. Even if the food has passed out of the crop into the bowels, the fowls will not keep very long, as the half digested food in the interior causes them to spoil and give an exceedingly unpleasant odor.

Fowls to be dressed should be dry picked for the feathers are worth money. Turkey tail and wing feathers are made into feather dusters and "feather-bone" manufacturers give from fifteen to twenty-five cents per pound for them. Body feathers, used for cheap pillows and mattresses bring from two to three cents per pound. No one who uses hot water to scald poultry should expect the best price for the feathers. They bring more if carefully sorted and shipped in bags or shoe boxes.

One of the difficulties in poultry raising is to get the hens to molt early so that they will be ready to lay in the fall and winter when eggs are high. Left to themselves, hens will take a long time to molt and will not finish until cold weather sets in. They will not then lay until early spring and all the profits for the winter months are lost. At the Poultry Institute held in Denver by the Colorado Agricultural College, W. J. R. Wilson, a poultryman of long experience, gave his method of controlling the molting of hens. As soon as the hens are through laying he turns them on alfalfa, feeding them dry bran only, in addition. Under this treatment they get them. Then he feeds them a mixed ration of grains and meat, giving a light feed in the morning and all they will eat at noon and night. Under this treatment they finish molting quickly, get new feathers and begin laying in September. By October 1 they are in full laying condition and make a profit through the fall and winter.

## Young Stock.

Barred and White Plymouth Rocks, all ages. From top-notch quality. Our rocks lay eggs. So will the young ones. Now is the time to buy.  
SMITH & KNOFF,  
Route 2, Mayetta, Kan.

### Keeping Poultry Free from Lice.

In keeping a poultry plant free from lice there are two points of attack: One, the birds themselves; the other, the houses, nest boxes, roosting boards, etc. For the birds themselves experience has shown that the best way to get rid of the lice is by the use of a dusting powder to be worked into the feathers. In using any kind of lice powder on poultry, whether the one described in this circular or some other, it should always be remembered that a single application of powder is not sufficient. When there are lice present on a bird there are always unhatched eggs of lice ("nits") present too. The proper procedure is to follow up a first application of powder with a second at an interval of four days to a week. If the birds are badly infested at the beginning it may be necessary to make still a third application. To clean the cracks and crevices of the woodwork of houses and nests of lice and vermin a liquid spray or paint is probably the most desirable form of application.

The lice powder which the station uses is made at a cost of only a few cents a pound in the following way: Take three parts of gasoline; one part of crude carbolic acid; mix these together and add gradually with stirring, enough plaster of Paris to take up all the moisture. The liquid and the dry plaster should be thoroughly mixed and stirred so that the liquid will be uniformly distributed through the mass of plaster. When enough plaster has been added the resulting mixture should be a dry, pinkish brown powder having a fairly strong carbolic odor and a rather less pronounced gasoline odor.

Do not use more plaster in mixing than is necessary to blot up the liquid. This powder is to be worked into the feathers of the birds affected with vermin. The bulk of the application should be in the fluff around the vent and on the ventral side of the body and in the fluff under the wings. Its efficiency, which is greater than that of any other lice powder known to the writer, can be very easily demonstrated by any one to his own satisfaction. Take a bird that is covered with lice and apply the powder in the manner just described. After a lapse of about a minute, shake the bird, loosening its feathers with the fingers at the same time, over a clean piece of paper. Dead and dying lice will drop on the paper in great numbers. Any one who will try this experiment will have no further doubt of the wonderful efficiency and value of this powder.

For a spray or paint to be applied to roosting boards, nest boxes or walls and floor of the hen houses the following preparation is used: Three parts of kerosene and one part crude carbolic acid. This is stirred up when used and may be applied with any of the hand spray pumps or with a brush.

In both of these formulae it is highly important that crude carbolic acid be used instead of the purified product. Be sure and insist to the druggist on getting crude carbolic acid. It is a dark brown, dirty looking liquid and its value depends on the fact that it contains tar oil and tar bases in addition to the pure phenol (carbolic acid).

## Guaranteed for Ten Years

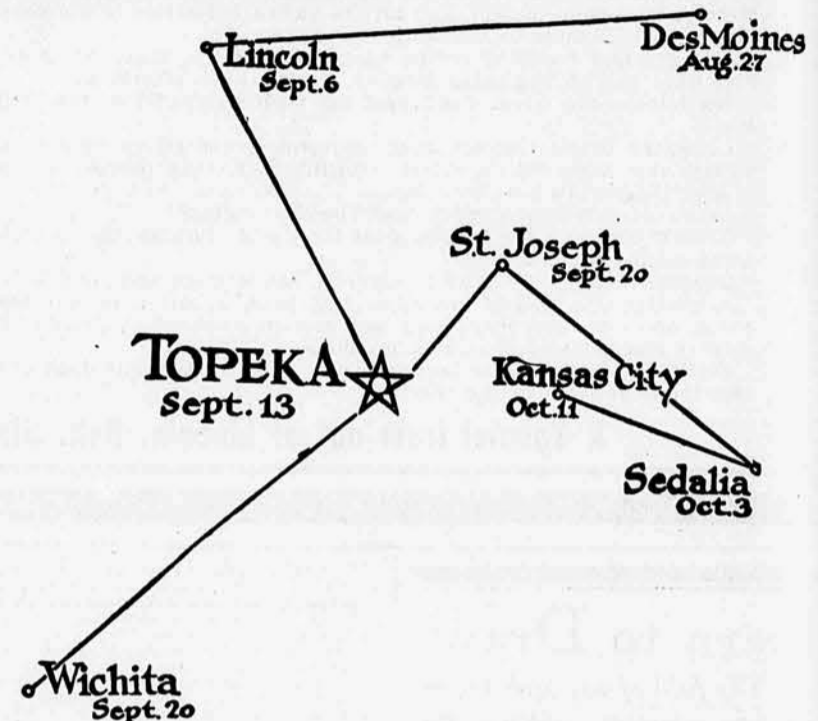
That's an expression of our faith in Rock Island U. S. Standard Scales, and we'll back it up. Buy direct from your dealer and know what you buy.

If your dealer can't talk Rock Island U. S. Standard Scales, write for our booklet C

Rock Island Implement Co., Kansas City, Mo.



## THE STATE WIDE FAIR



A glance at the map will show the exhibitor how well planned has been the shipping route on the State Fair Circuit. Every point of easy access and no long shipments from any. Remember that the State Wide Fair at Topeka is the only one that has railroad service into the grounds, with ample unloading platform within a few feet of where your exhibit will be housed and a switch engine in daily use for moving exhibits. Secretary R. T. Kreipe will supply premium list and full information.

## BREEDING STOCK FOR SALE

In order to make room for growing stock I will sell a few dozen W. P. Rock hens at \$10 per dozen or less quantities at \$1 each. Such breeders would be worth from \$2 to \$5 each at breeding season. Some late chicks might yet be gotten out of them.

THOMAS OWEN, Station B, Topeka, Kansas.

### LIGHT BRAHMAS.

#### LIGHT BRAHMA EGGS.

from birds scoring 93 to 94 by Judge Rhodes, \$1.50 per 15, large flock \$1 per 15, \$4 per 100. Baby chicks each month \$2 per dozen. MRS. A. P. WOOLVERTON, R. 8, Topeka, Kan.

### PURE BRED POULTRY.

#### SUNNY OREST.

Stock, fruit and poultry farm. Eggs to sell from M. B. Turkeys, R. I. Reds and Leghorns. Registered Jersey calves and Poland China hogs for sale. Write me. MRS. WM. BRITE, Pierce City, Mo.

### BUFF ORPINGTONS.

BUFF ORPINGTONS, extra fine cock and two fine hens, \$10; also 12 utility hens, \$1 each. HARRY CURE, Atchinson, Kan.

BUFF ORPINGTONS—Chicks, pens, baby chicks, eggs. More first prizes State Fairs and State Shows than all other breeders. My Poultry Book, containing information worth hundreds of dollars to farmers sent for 10 cents. W. H. MAXWELL, R. 95, Topeka, Kan.

When writing advertisers please mention Kansas Farmer.

The routine method which the station uses in handling its stock with reference to the lice problem is as follows:

All hatching and rearing of chickens is done in incubators and brooders. The growing chickens are never allowed to come into any contact whatever with old hens. Therefore, when the pullets are ready to go into the laying houses in the fall they are free from lice. Some time in the late summer, usually in August or early in September, the laying houses are given a thorough cleaning. They are first scraped, scoured and washed out with water thrown on the walls and floor with as much pressure as possible from a hose. They are then given two thorough sprayings, with an interval of several days intervening, with a solution of cresol such as is described in bulletin 165 of the Maine station. Then the roosting boards, nests, floors and walls to a height of about five feet are thoroughly sprayed with the lice paint (kerosene oil and crude carbolic acid described above). Finally, any yearling, or older birds, whether male

### RHODE ISLAND REDS.

#### ROSE AND SINGLE COMB RHODE ISLAND REDS.

Eggs from any mating half price remainder of season. Mixed eggs Rose or Single Comb from several matings \$1 per setting. Red pullets hatched in midsummer will make winter layers. Write for descriptive mating list. It is free.

H. A. SIBLEY,

Lawrence, Kansas.

### BUFF ORPINGTONS.

BEST BUFF COCHINS IN KANSAS. This variety exclusively. Can furnish eggs from prize winning stock at \$1.50 and \$2 per setting. J. C. BAUGHMAN, Topeka, Kan.

### FOR SALE.

S. C. Buff Orpington hens, pullets and cockerels.  
S. C. White Orpington hens, cockerels and pullets.  
S. C. Black Orpington pullets and cockerels.

White Plymouth Rock pullets.  
Rose Comb R. I. Red cockerels and pullets and a few  
Diamond Jubilee Orpington hens and pullets. \$1.00 to \$2.50 each.

MRS. LIZZIE B. GRIFFITH,  
Route 3, Emporia, Kan.

or female, which are to be kept over for the next year's work are given two or three successive dustings, at intervals of several days to a week between each application, with the lice powder described above, before they are put into the cleaned houses.

As a result of these methods the station's poultry plant is at all times of the year practically free from lice. —Maine Experiment Station Bulletin.

*Strickler's*  
**Topeka Business College**  
**UP-TO-DATE in Everything**  
Superior Courses in Book-keeping, Shorthand, Penmanship, Civil Service Graduates in Every State in the U. S. Positions Always Ready When You Are. Every Graduate Gets a Good Position. 200 Employed in one R. R. Office Building. 104 Page Catalog Tells About School.  
Room VJ, Capital Block, Topeka, Kan.

## GERMAN-AMERICAN BANK

Kansas Ave. and Third St., Topeka.  
**A BANK FOR FARMERS.**

One of the strong, conservative banks of Topeka, and a farmers' bank in a real sense. Four out of seven of the directors of the German-American Bank are active farmers. We are open on Saturday until 6 p. m. for the accommodation of farmer patrons. We do a general banking business. SPECIAL ATTENTION TO FARM LOANS.

**Interest Paid on Time Deposits and on Savings Accounts**

You will find the German-American Bank a pleasant bank to do business with, combining as liberal a policy as possible in dealing with customers consistent with conservative management. The business of Kansas Farmer readers is respectfully solicited.

COME AND GET ACQUAINTED.


FIELD NOTES

FIELD MEN.

Devine.....Topeka, Kan.  
Johnson.....Clay Center, Kan.  
Johnson.....Beloit, Kan.

PURE BRED STOCK SALES.

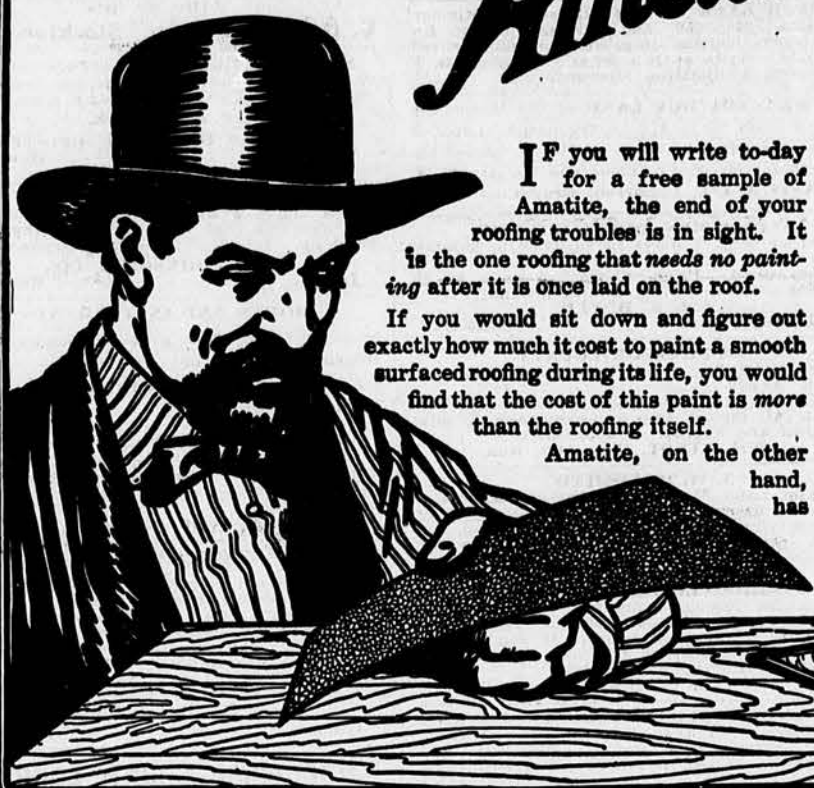
**Percherons.**  
J. C. Robinson, Towanda, Kan.  
Percheron Breeder's Sale at Man-  
kan. Will H. Rhodes, Manager.  
**Draft Horses.**  
26, 27, 28—Percherons, Belgians,  
Draft, Shire, Clydes, Trotters, at  
Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
2, 3, 4—Percherons, Belgians,  
Draft, Shires, Clydes, Trotters, at  
Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
**Jersey Cattle.**  
Mrs. Wm. Britte, Pierce City, Mo.  
Geo. W. Null, Odessa, Mo.  
Kinloch Stock Farm, Kirksville,  
Mo.  
**Herefords.**  
Miss Lou Goodwin's dispersion at  
Rapid. Chas. R. Thomas, Manager,  
Benson Bldg., Kansas City, Mo.  
Sam'l Drybread, Elk City, Kan.  
Breeder's Sale Company, sale at  
Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
Shawnee Breeders' Association, L.  
Brooman, manager, Topeka, Kan.  
**Shorthorns.**  
Harriman Bros., Bunceton, Mo.  
Breeder's Sale Company, sale at  
Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
Shawnee Breeders' Association, L.  
Brooman, manager, Topeka, Kan.  
**Polled Durhams.**  
Breeder's Sale Company, sale at  
Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
**Aberdeen-Angus.**  
Sutton Farms, Chas. E. Sutton,  
Lawrence, Kan.  
Breeder's Sale Company sale at  
Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
**Poland Chinas.**  
W. R. Coleman, Kingman, Kan.  
W. R. Coleman, Kingman, Kan.,  
A. W. Shriver, Cleveland, Kan.  
F. G. Nies & Son, Goddard, Kan.  
J. R. Sparks, Hunter, Okla.  
Geo. W. Null, Odessa, Mo.  
J. D. Spangler, Sharon, Kan.  
H. W. Griffiths, Clay Center, Kan.  
B. M. Bell, Beatrice, Kan.  
Geo. W. Falk, Richmond, Mo.  
Roy Johnston, South Mound, Kan.  
C. S. Nevius, Chiles, Kan.  
Geo. W. Smith, Pawnee City, Neb.  
G. M. Hill, Garnett, Kan.  
J. H. Harter, Westmoreland, Kan.  
Herman Groninger & Sons, Ben-  
kan.  
Breeder's Sale Company, sale at  
Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
J. W. Pelphrey & Sons, Humboldt,  
Kan.  
H. S. Chapman & Sons, Pawnee  
City, Neb.  
J. W. Owens, Mill Grove, Mo.  
E. E. Axline, Oak Grove, Mo.  
H. B. Walter, Effingham, Kan.  
H. O. Sheldon, Wichita, Kan.  
F. G. Nies & Son, Goddard, Kan.  
D. A. Wolfersperger, Lindsay, Kan.  
H. H. Pilcher, Glasco, Kan., at  
Gardalia, Kan.  
J. H. Harter, Westmoreland, Kan.  
Chas. O. Parsons, Clearwater, Kan.  
Gress & Barnard, Nelson, Neb.  
**Durocs.**  
H. J. Coppins, Potwin, Kan.  
Nov. 20—S. W. Alfred & Son,  
Bloomington, Ill.  
Nov. 2—Pearl H. Pagett, Beloit, Kan.  
Nov. 2—W. H. Nicholson, Spring Hill, Kan.



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# Amatite

## ROOFING



**IF** you will write to-day for a free sample of Amatite, the end of your roofing troubles is in sight. It is the one roofing that needs no painting after it is once laid on the roof.

If you would sit down and figure out exactly how much it cost to paint a smooth surfaced roofing during its life, you would find that the cost of this paint is more than the roofing itself.

Amatite, on the other hand, has

a real mineral surface, and we sell the goods on the broad statement that it needs no painting of any kind.

The man who puts Amatite on his buildings is insured against leaks and trouble for many years to come.

Send name and address for a sample and booklet, which will prove conclusively how much better Amatite is than the old-fashioned "rubber roofings" which require constant painting and care to keep them tight.

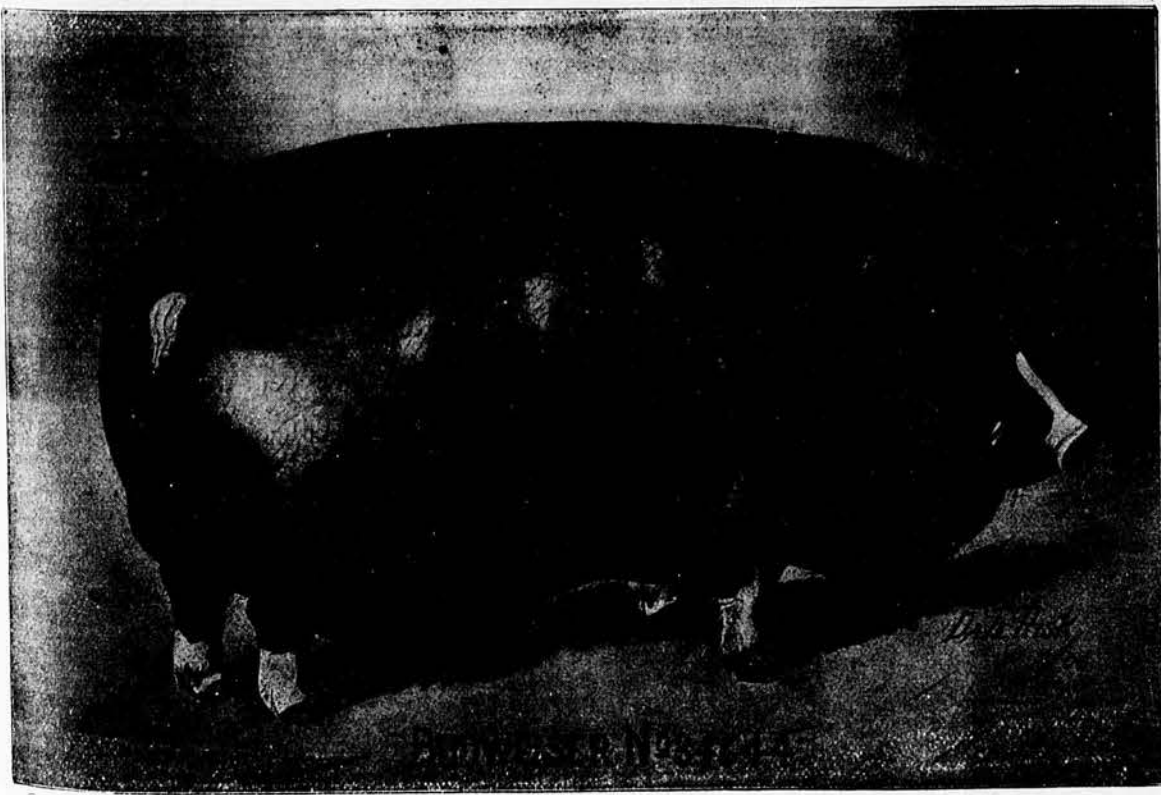
**BARRETT MANUFACTURING CO.**

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Minneapolis	New Orleans	London Eng.

Nov. 2-3—Breeder's Sale Company, sale at  
Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
Nov. 5—Miner & Cross, Guide Rock, Neb.  
Nov. 8—C. L. Carter, Cabool, Mo.  
Nov. 9—A. L. Atkin and W. W. Weast,  
Parsons, Kan.  
Nov. 10—Sam'l Drybread, Elk City, Kan.  
Nov. 12—S. W. Alfred & Son, Sharon, Kan.  
Jan. 31—J. E. Jones, Clyde, Kan.  
Feb. 1—Pearl H. Pagett, Beloit, Kan., and  
R. G. Sollenbarger, Woodston, Kan. Com-  
bination sale at Concordia, Kan.  
Feb. 2—E. M. Myers, Burr Oak, Kan.  
Feb. 3—Rinehart & Slagle, Smith Center,  
Kan.  
Feb. 4—W. C. Whitney, Agra, Kan.  
Feb. 7—Frank Elder, Green, Kan. Sale at  
Clay Center, Kan.  
Feb. 9—Samuelson Bros., Manhattan, Kan.  
Feb. 9—Samuelson Bros., Cleburne, Kan.  
Feb. 9—Miner & Cross, Guide Rock, Neb.,  
at Superior, Neb.  
Feb. 9—Miner & Cross, Guide Rock, Neb.  
Feb. 10—Samuelson Bros., Blain, Kan.  
Feb. 17—Thompson Bros., Garrison, Kan.  
Feb. 18—T. E. Goethe, Leonardville, Kan.  
Feb. 21—W. T. Fitch, Minneapolis, Kan.  
Feb. 22—Pearl H. Pagett, Beloit, Kan.  
Feb. 23—F. G. McDowell, Corning, Kan.  
Feb. 23—R. G. Sollenbarger, Woodston, Kan.  
**Berkshires.**  
Aug. 31—Sutton Farms, Chas. E. Sutton,  
owner, Lawrence, Kan.  
Oct. 12—Kinloch Farm, Kirksville, Mo.  
Nov. 2-3—Breeder's Sale Company, sale at  
Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
Nov. 16—F. T. Hadachek, Wayne, Kan.  
Feb. 15—F. T. Hadachek, Wayne, Kan.  
**Hampshire Swine.**  
Nov. 2-3—Breeder's Sale Company, sale at

Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
**Chester Whites.**  
Nov. 2-3—Breeder's Sale Company, sale at  
Bloomington, Ill. C. W. Hurt, manager,  
Arrowsmith, Ill.  
**Combination Sales.**  
Sept. 23 to Oct. 1—Woodson County Breed-  
ers' Association will sell: Aberdeen-Angus  
cattle, Sept. 23; Shorthorn cattle, Sept.  
30; Durocs, Berkshires and Poland Chinas,  
Oct. 1. Write G. A. Laude, Secretary, at  
Rose, Kan.  
Dec. 11-18—Enid Fine Stock Show and Sale,  
F. S. Kirk, Manager, Enid, Okla.  
Feb. 16, 17, 18—Mitchell County Breeders'  
Association, Beloit, Kan.  
**Finest of Live-Stock.**  
Notwithstanding the fact that the agri-  
cultural exhibits will be one of the big  
features of the Oklahoma State Fair to be  
held at Oklahoma City September 29 to Oc-  
tober 8 the people of Oklahoma should not  
overlook the fact that at the fair will be  
shown the best cattle, best horses, best  
sheep, and the best swine not only in Ok-  
lahoma but in all the United States. The  
exhibits this year in every department will  
be unexcelled in scope and quality. At the  
fair will also be shown the best machinery  
and the latest inventions and if the farmer  
wishes to buy intelligently and wisely he  
will find it to his advantage to visit the  
fair where he can make whatever line in  
which he is interested the object of his spe-  
cial study.  
**The Great Sutton Berkshire Sale.**  
It has been given to but few men to do  
more, for a given breed, and especially  
a given family in that breed, than has

been done by Chas. E. Sutton of "The Sut-  
ton Farm," Lawrence, Kan., for the Berk-  
shire breed of swine and its family of  
Black Robbin Hoods. One of the ways in  
which he accomplishes results is by breed-  
ing the very best and another way is by  
holding sales. Mr. Sutton believes in sales.  
He says: "We don't have half enough  
Berkshire sales for they are the best ad-  
vertising the breed gets. To be successful  
sales demand that you expose the very best  
and toppest animals you own, assuring  
every buyer of a square deal and this you  
get in Kansas. Your presence and your bids  
will make successful sales. You cannot  
stay at home and push your Berkshires."  
The sale comes next Tuesday, Aug. 31 at  
Lawrence. Out there in Kansas and it will  
be worth attending.  
**Lee Gress' Polands.**  
One of the pioneers in the Poland China  
business is Lee Gress, Nelson, Neb. The  
writer visited with Mr. and Mrs. Gress re-  
cently and enjoyed the time thus spent very  
much. Both are the best of company and  
are pioneers in Nebraska, having come to  
that state when it was an undeveloped  
country. They are well fixed, so far as this  
world's goods are concerned, and are opti-  
mistic in everything. It is a fine place to  
go and we have an invitation to come and  
make them another visit and we are cer-  
tainly going to avail ourselves of the oppor-  
tunity. Our recent visit was one of busi-  
ness and we want to tell you something  
about the Polands that Mr. Gress raises.  
There are three herd boars in use in this  
herd. Probably the first in this galaxy of  
herd boars is Big Chief \$3150 by Chief  
29280 and out of Hang On 78251. Lawrence  
Chief 2d by Lawrence Chief is the grand-  
son of old Chief Tecumseh 3d. The sire of  
this boar was Over Chief, a show boar of  
note, that was once in a good Kansas herd.  
Big Vick was sired by Black Chief, he by  
Logan's Chief. The type found in this herd  
is a very popular one now among Kansas  
and Nebraska breeders, especially among  
the Poland China breeders of the north-  
western part of Kansas. The breeding is  
of the very best and is not the extremely  
big type or the extremely small type. It  
is the kind that has proved profitable.  
February 25 has been claimed by Mr.  
Gress and Mr. John Barnard, of Angus,  
Neb., as the date of their combination sale.  
A more extended notice will appear of both  
herds soon.  
**Lobaugh's Poland Chinas.**  
In our Poland China department this  
week will be found the advertisement of  
A. C. Lobaugh, a very successful breeder  
at Washington, Kan. Mr. Lobaugh is  
nicely located a half mile north of town  
and has one of the best bunches of early  
spring pigs to be found anywhere. There  
are about 75 of them; many of the March  
pigs weighing at this time around 100  
pounds in only moderate condition. But  
they are bred big and are sure, with mod-  
erate care, to grow big. They are by Mr.  
Lobaugh's great old boar, Chief, and his  
equally as great young boar, Kansas Ex.  
Chief is one of the 1,000 pound sort, bred  
by Peter Mouw, and a son of Chief Price  
2d, out of Chief's Lady, one of the biggest  
of the big sort. Kansas Ex. is by Ex-  
pansive, he by Expansion and his dam  
was Maud Muller, a Chief Tecumseh bred  
sow. The Kansas Ex. pigs have the great-  
est heads, wide and short. There are sev-  
eral regular herd boars in the lot. The  
dams of pigs represent different strains, the  
best ones being daughters of the old boar,  
Chief, which we have already mentioned.  
The best pigs are out of these sows and  
sired by Kansas Ex. The herd was estab-  
lished about four years ago. At that time  
Mr. Lobaugh bought mostly Tecumseh bred  
sows. Among the best ones that are now  
in herd are Charlotte by Proud Tecumseh  
by Blain's Tecumseh. Kansas Beauty by  
the same sire. Black Union by Union and  
out of a dam by old Chief Success 2d by  
Jumbo U. S. Mr. Lobaugh is offering for  
immediate sale six very choice gilts of last  
fall farrow. They are all by Chief. They  
will be bred and kept until safe and then  
shipped at the low price of \$25 each. Re-  
member, they are to be bred to the ex-  
cellent young sire, Kansas Ex. This is a  
snap for anyone wanting something good  
at bed rock prices. Write at once and get  
first choice. Please mention Kansas  
Farmer.



**Faulkner's Spotted Polands.**  
The accompanying cut is from a draw-  
ing of the great Poland China boar, Bud-  
weiser, one of the principal herd boars in  
the world. Faulkner's noted Big Spotted herd,  
located at Jamesport, Mo. Budweiser was  
bred by John W. Moore, of Canton, Ill.  
He is a son of A. C. Moore, one  
of the founders of the Poland China breed.  
Budweiser is at this time about seven years

old but still active in service. Other big  
boars in service in this herd are Brandy-  
wine and Big Spot. Brandywine is a boar  
of immense size, standing up almost as  
high as a small sized horse. His bone  
measures over eleven inches and his body  
is covered with big white spots, many of  
them the size of a hand. Big Spot is also  
a boar of mammoth size and having good  
quality for such a large hog. These boars  
are the sires of a fine lot of pigs. Their  
dams are the big spotted sort and almost

every one of the pigs have the spots. Mr.  
Faulkner is practically in a class by him-  
self as a breeder of the old fashioned, big  
boned, prolific, spotted sort. In his adver-  
tisement, which appears in this issue of  
Kansas Farmer, he is offering June and  
July pigs to be shipped in September. Pairs  
and trios not related can be bought at  
farmers' prices and by buying them at this  
age much can be saved on express charges.  
When writing don't fail to mention Kansas  
Farmer.

# Bargains in Farms, Ranches & City Property

**SPECIAL BARGAINS**—80 acres 3 miles from Clyde, second bottom, \$50 acre. 150 acres near Green in Clay Co., 99 under plow, well improved, \$50 per acre. 160 acres pasture near town, \$3,500. Write for fine large list. **WALTER NELSON**, Clyde, Kan.

**320 ACRES CHOICE ROOKS COUNTY LAND**, \$6,800. Nearly all tillable. Some in cultivation, 5 miles from station. **STEVENS & RUBY**, Stockton, Kansas.

**COMPLETE DESCRIPTION.** Texas panhandle, covers 25 years, 32 pp., complete birdseye view and wall map Amarillo, 15,000 population, in heart of Panhandle, sent prepaid for 35c; clubs of four, \$1. Order today—edition limited. Mirror Publishing Co., Amarillo, Tex.

**320 ACRES** of extra good land, house of 14 rooms, a fine barn, and other good improvements. 2½ miles to town. One of Brown county's best. Enquire of **R. A. HENRY**, The Real Estate Man, Hiawatha, Kansas.

**LAND AT \$20 TO \$50** per a. in corn, alfalfa and stock country; 160 miles west of Kansas City; improved ranch, 560 a. \$25 per acre. You will be shown, will you look? Ask for list. **O. G. PIRTLE**, Wilsey, Kansas.

**TWO GOOD BARGAINS.** **TWO BIG BARGAINS IN KANSAS LAND.** 240 acres smooth prairie land, 5 miles from Dodge City; price \$18 per acre. 160 acres near Perry, Jefferson County, Kansas, partly improved, price only \$40 per acre. For information write **HALE & ENGLISH**, Dodge City, Kansas.

**160 ACRE** farm bargain, 7 miles north-east of Ness City. Small frame house, 2 rooms, frame barn for 4 horses, hen house, small granary, good well and windmill, 75 acres in cultivation, 35 acres in wheat, one-fourth with place, 12 acres alfalfa. Land can be plowed, nearly level. 1 mile school. Price \$2,500. \$2,000 must be cash. **J. C. LOHNES & SON**, Ness City, Kan.

**ARKANSAS LAND.** still advancing in Grand Prairie, 160 a. plantation \$75 per acre; 720 a., 2 plantations, 200 a. in rice now, without crop, \$65 per acre; 280 a., 2 story house, big barn and store on place, 180 a. rice land, 100 a. timber, 80 a. or 160 a. now at \$80; 320 a. rice land, fenced, \$40; stock farms, \$25 to \$40, any size tract. **F. W. HOUSTON**, Stuttgart, Ark.

**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.

**SOLOMON VALLEY LAND.** We have farms for sale in Ottawa and adjoining counties, good upland, improved, at from \$25 to \$60 per acre. Bottom land improved at from \$60 to \$125 per acre. You have not seen the best till you see the Solomon Valley. **A. E. ROBINSON LAND CO.**, Minneapolis, Kansas.

**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 premiums 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**, Traer, Iowa.

## SPECIAL BARGAIN

365 acres, 200 acres lays gently rolling, balance quite rolling, 120 acres in corn, 50 acres timothy and clover meadow, balance blue-grass pasture with some timber, farm fenced and cross fenced, hog and sheep tight, all woven wire and barb wire on top, except about a mile of nice hedge. Located 3½ miles from town of 1,200 population. Improvements consist of a large barn 52x60, two cattle sheds, one 30x60 and the other 14x90, scales, another small barn, all the sheds and barns are newly repaired and in good condition, newly painted. House 16-new, just being completed, 7-room 16 feet square, with bathroom, hallway, 2 closets, large porch in front and a porch at the rear, solid concrete block foundation under the house, house cost \$3,500. Wash house over cellar, concrete walks, poultry house, 16 foot square, smoke house and ice house. Improvements on this property worth \$7,500. There is an air pressure water system with large stone and concrete reservoir twelve feet above ground, 1,500 feet of underground piping conveying water to five points on the farm, catching all barn lots and pastures, also water piped to the house, lavatory in kitchen and lavatory, toilet and bath in the bathroom, ample sewer system. This farm is offered for quick sale at \$76 per acre. Possession given March 1, 1910. Liberal terms if desired. Picture and plat sent on application. I have other farms larger and smaller. Write. **BAZEL J. MEEK**, Chillicothe, Missouri.

**LANDS THAT PAY 100 PER CENT NET ANNUAL INCOME.** In the Lower Pecos Valley we control selected irrigated lands, with perpetual water rights, which will, when properly farmed, realize the owner of a net income of 100 per cent each year, equal to the total cost of the land the perpetual water right. The Lower Pecos Valley Country comprises that portion of the country lying between New Mexico and the Rio Grande, at an elevation of 2,400 to 2,700 feet, with a regulation California climate; cool nights, with dry, bracing air. An abundance of river spring and artesian water. The ideal place for homes and investment. Can sell in tracts to suit any purchaser on easy terms. For further information call on, or address, **109 West Seventh, St.** **THE HEATH COMPANY**, General Agents. Topeka, Kan.

**320 ACRE GOVERNMENT HOMESTEADS.** Write U. S. Commissioner, Des Moines, New Mexico.

**FOR SALE OR TRADE**—North Missouri farms; 240, 250, and 400 acre farms for cheaper Kansas improved or unimproved lands. Write at once what you have. **G. T. Kinsey**, Chillicothe, Missouri.

**WHY NOT BUY LAND** of the owner and save from \$5 to \$10 on the acre? Land of all descriptions from \$3.50 per acre up. Send for circular or come and see us. **G. N. DAVIS & CO.**, Cimarron, Gray Co., Kan.

**90 ACRES CREEK BOTTOM** and upland, 75 acres in cultivation, balance meadow, no other improvements, 3 miles from town. Price, \$3,800. A snap as 40 acres of it is in fine alfalfa ground. **J. S. BOYLE**, Bennington, Kansas.

**MCPHERSON COUNTY.** 80 acres 3½ miles Salina all in cultivation, \$4,500. 240 acres Saline county, 80 in cultivation, all fenced, fair improvements, ½ mile school and church. \$25 per acre. **WM. KINTT**, Marquette, Kan.

**J. W. BRADSHAW**, The Land Man, of Herington, Kansas, is offering a section of land with two sets of improvements, 6 miles from Herington, for \$45 per acre. 200 acres in cultivation. A snap well worth \$50 per acre.

**IRRIGATED FARMS FOR SALE.** In the famous Arkansas Valley of Colorado and the Pecos Valley of Texas, reasonable prices good terms. If you want a money making investment or an ideal home write for further information. **J. F. CURRY**, Lamar, Colo.

**A NESS COUNTY BARGAIN**—400 acres 11 miles from Ness City, 100 in cultivation, well fenced, good house, barn, well and windmill, 18 feet to water, all smooth, half mile to school. Price \$5,000. Reasonable terms. This is only one. Come and see. **LOHNES & CARON**, Ness City, Kan.

**WASHINGTON COUNTY LAND FOR SALE.** 160 acres 4 miles from county seat, one mile to school all fenced, one set improvements orchard, well 120 acres cultivated, 40 pasture. \$50 per acre; terms on half. **W. J. GORDON**, Washington, Kan.

**FARMS FOR SALE** in South Missouri. I have several good farms for sale on easy payments from \$5 to \$10 an acre. Please write me for full particulars. **WILLIAM BOWEN**, Houston, Missouri.

**TEXAS ORANGE GROVES** easily obtained Co-operative plan. Company does work, gives share crops, enormous profits, permanent income, life insurance. May we send details at once? **STERLING IMPROVEMENT CO., INC.**, Duluth, Minn.

**GOOD HOME CHEAP**—100 acres, 130 in cultivation, all fenced, 3 room house, barn, cow shed, poultry house, well and windmill, only 4 miles to R. R. where an elevator will be built this summer. Will take a small cash payment and give 5 years on balance. Price \$2,500. **KILBERG & MILLER**, Ness City, Ness Co., Kan.

**SCHUTTE & SHINEY**, the Rush county Kan. real estate hustlers; 30 years in the same old place. Good farmers raised from 26 to 47½ bushels of wheat per acre here last season. We can sell this land at from \$20 to \$35 per acre. Good improved ranch land, ½ good farm land, at \$15 per acre. Good bottom land not over 5 miles from market at \$25 to \$35 per acre. Well improved and running water, plenty of timber. See us, or write us at La Crosse, 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**, Minneola, Kansas.

## KANSAS CORN, WHEAT AND ALFALFA LAND.

Beautiful Smith Co., improved farms and 20,000 acres unimproved land in Comanche Co. now being surveyed and ready for settlement in a short time. Buy now at reasonable prices and terms. Double your money before long. Can use some good paper on approved securities as cash. Write me and do it now, for list, descriptions and prices. **CARL G. ANDERSON**, Athol, Kansas.

## A REAL BARGAIN.

30 acres stock farm, 10 acres under cultivation, balance in pasture, that cannot be beat in southeastern Kansas, being well watered by a creek that is supplied by springs. Good 6 room house, well at house, good barn for 16 head of horses and shed for car cattle. Loft for 20 tons of loose hay, granary for 2,000 bu. grain cribs for 3,000 bu. ear corn; lots all hog tight, also 100 a. with woven wire hog tight fence. Good steel wind mill in pasture at springs that never fail, furnishes water to large cistern at the barn. Good orchard and plenty of shade. This ideal stock farm is located 2½ miles from thriving town of 500 people and 100 miles from Kansas City on the main line of M., K. & T. Ry. This farm will be sold soon, for it is a bargain at \$35.00 per acre. For further information call or write. **J. J. WILSON** Moran, Kan.

## ROOKS COUNTY LAND

One Hundred Farms for sale. Write for lists. **C. H. DEWEY**, Stockton, Kan.

**SEVERAL GOOD QUARTERS** for sale cheap. Good hotel for sale, or trade for cheap land. Also a buyer for a good 80. **P. J. GEORGE**, Real Estate Dealer and Auctioneer, Wayne, Kansas.

**MORRIS AND NORTH LYON COUNTY** farms for. Write for list. We have a few bargains that will not be on the market long. Property for sale or trade. **F. L. JOHNSON & CO.**, Dwight, Kansas.

**HOMES AND INVESTMENTS** in reach of all in a growing locality. For information write to **WINN REALTY CO.**, Jetmore, Kansas.

**A REAL FARM BARGAIN.** 160 acres 5 miles from Wakefield, Kan., (Clay Co.), 125 acres broke, 25 acres pasture, small house, barn, etc., good water. Price \$6,500. **J. C. WEAVER**, Wakefield Kan.

**FARM BARGAIN.** 160 acres, all good smooth land, 40 acres in cultivation, balance hay and pasture; one mile to good town; 6-room house, barn for 6 horses, other building; good water, good orchard, all fenced. Goes now for \$5,500. \$1,500 cash will handle. Get busy.

**MILLS REAL ESTATE AGENCY**, Room 317, Barnes Building, Wichita, Kansas.

## Hodgeman County Lands.

Choice wheat and ranch lands. Write for price list and county map. **F. M. PETERSON**, Jetmore, Kansas.

## Ford County, Kan. Lands.

For sale. Write for price list and crop reports. Co-operation solicited. **BROWN & VERNON**, Dodge City, Kansas.

## HELLO FARMERS!

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

## Ozark Fruit Farm For Sale.

120 acres, 60 acres in cultivation, balance fine timber. Good 3 room house, 3 fine springs, fine apple orchard, large thrifty trees, other fruits. 1 mile from town. Good reason for selling. Price \$1,000. Write me for full particulars. **JOHN D. BAKER**, Ava, Douglas County, Missouri.

## A BARGAIN.

240 acres, house 8 rooms, barn, sheds, etc., 90 acres in cultivation, 90 acres pasture, 60 acres grass, good orchard, fine water fine improvements, 4 miles from good town, all tillable, 1 mile to school. Price \$55 per acre.

**HULL & ZIEBELL**, Herington, Kansas.

## HOMESEEKERS

Send for copy of the southeastern Kansas Homeseeker, the best land journal published. It's free to those wanting homes or investments. We make a specialty of lands on small payments and easy terms. Address **THE ALLEN COUNTY INVESTMENT CO.**, Longton, 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.

## LOGAN CO. SNAP.

640 acres of good alfalfa land, well watered and corners with townsite of Russell Springs, Logan Co., Kan. Some alfalfa seeded this spring. A snap at \$10 per acre, easy terms. For full particulars write **W. H. LINVILLE**, Beloit, Kansas.

## Hello Farmers.

Look at this—157 acres of fine land, all bottom, improved; price \$90 per acre. 93 acres, all bottom, fair improvements; price \$90 per acre. 60 acres bottom, improved; price \$5,500. 175 acres, 100 bottom, improved; a fine home; price \$14,000. Bargains in city property.

## Frost Real Estate Co.,

Phone 295, Office 201 Poyntz. Manhattan, Kan.

## A JACKSON COUNTY BARGAIN.

160 acres, 5 miles from R. R. town; room house, new barn; 120 acres in cultivation, balance in pasture and mow; Spring water. A bargain at \$50 per acre. **BLACK & BLACK**, Holton, Kan.

**BARGAINS** in Kansas Lands. Morris county, mile from station, 100 acres, 2 sets of improvements, 100 acre. Other farms of any number of acres in Dickinson, Marion, Kiowa, Gove, Rush, Ness and Sherman counties at low prices, according to location. Lands for sale, prices advancing. **ROBT. SUTHERLAND**, Herington, Kan.

**SHARON VALLEY ALFALFA FARM** Choice corn and alfalfa farms for in Barber county, Kansas. Crop fall unknown. Write for particulars and Address **WILLIAM PALMER**, Medicine Lodge, Kansas.

**WELL IMPROVED 334 acre** farm, Jetmore Co., Kan., 2 miles station, 4 miles from town, 1500 population, 50 miles Kansas 50 miles St. Joseph, Mo., 24 miles to 220 acres dry bottom, fine for alfalfa; is a snap at \$60 per acre, time on 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275, 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395, 400, 405, 410, 415, 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470, 475, 480, 485, 490, 495, 500, 505, 510, 515, 520, 525, 530, 535, 540, 545, 550, 555, 560, 565, 570, 575, 580, 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645, 650, 655, 660, 665, 670, 675, 680, 685, 690, 695, 700, 705, 710, 715, 720, 725, 730, 735, 740, 745, 750, 755, 760, 765, 770, 775, 780, 785, 790, 795, 800, 805, 810, 815, 820, 825, 830, 835, 840, 845, 850, 855, 860, 865, 870, 875, 880, 885, 890, 895, 900, 905, 910, 915, 920, 925, 930, 935, 940, 945, 950, 955, 960, 965, 970, 975, 980, 985, 990, 995, 1000. **ADAMS BROS. & HAMM**, Ison, Kan.

**WABAUNSEE COUNTY LAND**—160 a. 80 cultivated, 4 room house, fair barn, miles town, nice level land, a great bargain at \$35 per acre. 80 acres near Eskridge well improved, \$50 per acre. Three tracts of good grass land \$23 per acre. **McCOY**, Eskridge, Kan.

## GOOD GRAIN AND DAIRY FARM

160 acres, 100 acres in cultivation, acres pasture, 20 acres meadow. Improved with good 6 room house, barn 40x40, barn 30x40, hog house, smoke house, chicken house, work shop, corn crib 28x10; 2 and wind mill, cistern, running water pasture. Located 9 miles from Wichita, 2 miles from station on the main line the Santa Fe R. R. on R. F. D. and pl. Price \$9,000. The Nelson Real Estate Img. Co., 137 N. Main St., Wichita, Kan.

## A FINE SUBURBAN HOME FOR SALE

This fine little home is situated adjoining the corporate limits of Moran, Kan. Only 6 blocks from the business center of the town and only 4 blocks from the new did new public school building. This 5 acre tract situated at the junction of two very public roads and one of the pleasant locations in the country. There is a good, well built and finished cottage of 6 good rooms with a double closet, large pantry and three porches. There is a good barn, with room for two horses, buggy, with good room in mow for good smoke house a chicken house and other outbuildings. The building were all built during the summer 1908, are new and well painted. All 5 acres is in grass—blue grass, timothy clover—except ¼ of an acre, which is fenced chicken tight and is used for garden and truck patch. There is a good lawn and is well shaded by large oaks, pine, maple and bodark trees. Moran is a fine little city of 900 people, has a main line railroad and the junction of a branch line. There are 12 passenger trains every 24 hours, with that number of mails. It has 5 good churches, a good public hall, one of the best schools in the state, a fine park here is held one of the best fairs in Eastern Kansas. For additional information write **J. O. SMITH**, Moran, Kan.

## COLORADO HOMESTEADS ON MOFFAT ROAD

You can homestead 160 acres of rich, fertile farm land, with pure water, good towns, fine climate, on Moffat Road (Denver, Northwestern & Pacific Ry.) in Routt County, Colo. Big crops, oats 90 bushels, wheat 45, barley 70. We have no land to sell—it's absolutely free from the Government and now open for settlement. Law allows you to return home for six months after filing. Write for free Book, Maps, and information about how to get these farms free. **W. F. JONES**, General Traffic Manager 710 Majestic Bldg., Denver, Colorado

## EXCHANGE COLUMN

## If You Want

a quick deal, list your trading property with us. We trade while the other fellow sleeps. We have exchanges for land, merchandise, live stock, or anything of value. Try it. **NEFF REALTY CO.**, Olathe, Kansas.

## Trades Wanted

direct from owners of farms, ranches, come property, merchandise and hardware, stocks, hotels, livery stocks. List your property with us, giving complete description. We can get what you want. No sale, pay. Buyers wanted for good farms. **BERSIE REAL ESTATE AGENCY**, Eldorado, Kansas.

## 500 TRADES.

We have the largest list of farm ranches, income property, merchandise, hardware, hotels, livery stocks, etc., of any firm in the West. We print description of your property on our list, and we will get you an honest trade of just what you want. **GRAHAM BROTHERS**, Eldorado, Kansas.

## ELLIS COUNTY, KANSAS

The great wheat, corn and alfalfa county. 240 acres improved, one mile from station, all bottom land. \$50.00 per acre. \$10 acres, 2 1/2 miles from county seat, close to State Normal School. Improved. \$45.00 per acre. Write for my list.

H. W. OSHANT, Kansas.

### KAY COUNTY FARM BARGAIN.

160 acres, 120 under cultivation, 25 pasture, 10 meadow, a few acres of alfalfa, all tillable land, slightly rolling, fine black loam, no sand or rock, 4 1/2 miles from town, 1 mile to school, on R. F. D. Has good house of 3 rooms, good barn 40x32, and other sheds, granaries and other buildings. Price \$10,000. For terms write

WILKINS & WILKINS, Blackwell, Oklahoma.

I AM OFFERING THIS WEEK a very fine section of land, lays nicely, is one and a half miles from market, half mile to school and 6 miles from good town. This section has a 11 room house, very large barn, large stock barn, good hog house, cattle sheds, fine orchard, large granaries and corn crib, with driveway between, wagon scales, 200 acres in cultivation, 60 acres fenced and cross-fenced, small field of fine alfalfa and the whole section is fenced and cross-fenced with hedge posts and four wires. There are several wells and windmills with tanks. Price \$24,000. Address me at 18 1/2 North Main street, Hutchinson, Kan.

### Bargain in Phelps Co., Mo. Ranch

1,040 acres, all fenced with hog wire fence, 500 acres in cultivation, mostly rich bottom land. Dry Fork river runs through this land. 8 room house, 5 tenant houses, several large barns, 25 acres bearing orchard, quite a part of this tract is in timber, mostly in blue grass and tame pasture; is one of the best stock farms in the county. 2 miles from St. James. Cheap at \$24 per acre. Terms if necessary. Have other bargains, all sizes. Write for booklet.

Victor W. Reitz Realty Co., St. James, Missouri.

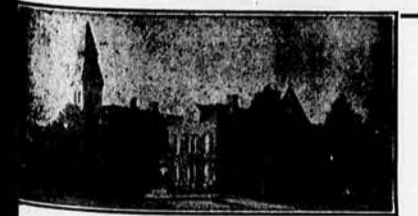
### AN IDEAL FARM FOR SALE.

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 barns 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.

### Special Bargain in Kay Co., Okla., Farm.

400 acres, two miles from Blackwell, Kay county, Okla. Good improvements, fine orchard. Three hundred acres of this tract is fine bottom land. Living water, plenty of timber. Corn on this farm will make 70 bushels per acre this season. No better corn and alfalfa land in the state. Natural gas for fuel and lights. Gas well on farm. This is just such land as sells for \$150 to \$200 per acre in the northern and eastern states. This would make one of the finest stock farms in the southwest. An unusual bargain for a short time at \$85 per acre. We transact a general real estate business and solicit correspondence. References, any bank or business firm in Blackwell.

KRAUS & WYMER, Blackwell, Oklahoma.



Kansas State Agricultural

# U. S. GOVERNMENT LAND OPENING

## Along Railroad in Montana CONRAD-VALIER Project

69 Miles North of Great Falls. 70,000 acres of irrigated land, segregated by the United States under the Carey Land Act, will be open to entry and settlement.

\$3.50 per acre down; balance in fifteen years' time This land will be allotted by drawing at Valier, Montana, a new railroad town, on Thursday, October 7, 1909.

You May Register for This Drawing by Power of Attorney.

If you do not take land after your number in drawn, it costs nothing.

Title Can be Acquired by Only 30 Days' Residence

There is no sage brush or stumps on this land which is ready for the plow. Reached over Great Northern or Burlington Railroads. For complete information and blanks, call on or address

W. M. WAYMAN,

### DO YOU WANT

a highly improved farm, with 30 acres alfalfa, near good town, at \$18,000? Or an extra good upland 80 near school at \$5,000? List your trades with

H. B. GILES, Emporia, Kan.

### THIRTY MILES FROM KANSAS CITY.

Fine 80 acre improved farm in Johnson Co., Kan., one mile to town, 1/4 mile to school, \$1,000 cash, 8 years' time on bal. at 5 1/2 per cent. Price \$80 per acre. U. S. Realty Co., Spring Hill, Kan.

### TWO BARGAINS.

Finest 3 acre tract within 12 blocks of business center of Abilene will be sold cheap if taken soon. Also a farm for sale. Address O. J. RAUB, Abilene, Kan.

### MARSHALL COUNTY, KANSAS, FARMS.

120 acres half mile to town; fair improvements; all bottom, but don't overflow. Price \$12,000. Also lands in Ellis and Trego Cos. and big trading list.

SUMMERFIELD REALTY CO., Summerfield, Kansas.

### 320 ACRES.

4 miles south of Clearwater Kansas. well improved, good black land, will raise anything. Good water. Price \$18,500. Terms if desired.

MULLEN & BREKER, Room 15, Turner Bldg., Wichita, Kan.

### KINGMAN COUNTY LANDS

Fine Farms and City Property. Write or call on us for anything you want.

Jones & Brown, :: Kingman, Kan.

### DICKINSON COUNTY FARMS.

A postal will bring a complete list. Mention this paper.

FORD & SMELTZ, Enterprise, Kan.

### SOUTH TEXAS LANDS

For sale by the party that owns them, at prices ranging from \$10 to \$40. Any sized tracts, improved and unimproved.

J. R. WESTMORELAND, Eagle Lake, Tex.

### SUMNER COUNTY FARMS.

We have some very choice farms on the market at right prices, and will show the best crops in the State. Write us for particulars.

PFEIFER & ALDERSON, Wellington, Kansas.

### SPECIAL BARGAIN FOR 30 DAYS.

640 acre improved farm, 4 miles from Ness City, 275 acres in cultivation, 4 a. alfalfa, 6 room house, stable, granary, 3 wells, all smooth land but about 60 acres. All under fence, 160 a. fine alfalfa land. Price \$10,000, terms on part. J. G. COLLINS, Ness City, Kan.

### BUY A HOME CHEAP.

We are showing lands in the Lost Mountain section of Canada at prices ranging from \$10 to \$20. Low excursion rates twice a month. Write for full information.

NELSON BROS., Clyde, Kansas.

### FARM BARGAINS NEAR TOPEKA.

320 acres, 8 miles Topeka, 2 sets improvements, \$50 per acre; 320 acres, all smooth, imp., 10 ml. Topeka, \$65 per acre; 160 acres, 10 ml. Topeka, all smooth, imp., \$60 per acre; 160 acres, 8 ml. Topeka, smooth, imp., \$58 per acre; 160 acres, 12 ml. Topeka, well imp., \$55 per acre; 80 acres 7 ml. Topeka, fair imp., \$50 per acre; 80 acres 9 ml. Topeka, part bottom, \$52 per acre. The above are all well located, productive farms and are all offered at a bargain. GILLET & GILLET, 104 West Fifth Street, Topeka, Kan.

### HOME IN MANHATTAN

or Lands anywhere in Kansas. See Manhattan Realty Co., HULL & MOORE, Manhattan, Kan. You should buy this summer. Write us now.



## ALFALFA SEED

Kentucky and English Blue Grass High Grade Seeds Which Will Produce Satisfactory Crops. WRITE FOR SAMPLES and Prices.

ROSS BROTHERS SEED HOUSE, 21 East Douglas, Clover and Timothy Seed - WICHITA, KANS.

The Kinloch sale of Berkshires made an average of \$105.70 on 42 head at Kirksville, Mo., last week. Kansas can do as well by seeing to it that the Sutton Berkshires bring what they are worth at Lawrence on August 31.

J. J. Mason, the old time Shorthorn breeder of Overbrook, Kan., has disposed of his entire herd. Advancing years had made Mr. Mason feel that he needed relief

### COWLEY COUNTY FARM.

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

R. A. GILMER, Arkansas City, Kan.

### STOCK RANCH AND DAIRY FARM.

1,120 acres, all fenced and cross fenced, 40 acres in cultivation, mostly in alfalfa, balance of farm pasture, all tillable, except 40 acres. Well and windmill, one mile from county seat. Price, \$10 per acre. Write FRANK A. REES, Owner, Syracuse, Hamilton County, Kansas.

### RICE COUNTY FARM.

340 acres, one-half mile of good town, 25 acres alfalfa, 220 farming land, balance pasture, good house, barn and other buildings; price \$20,000 for quick sale. Write

W. W. BARRETT, Sterling, Kan.

### EIGHTY ACRES THREE MILES OF ANTHONY.

Rolling land, five room house, barn, 40 acres in cultivation. Price \$5,000.

160 acres, joins town, no improvements, living water, 140 in cultivation, railroad crosses one corner, rich land, \$51 per acre.

Wanted, some one to put in canning factory in Anthony, Kan.; 5 railroads. Write F. L. COLLINS, Anthony, Kan. (Real Estate Barber).

## Cheap Ranch.

800 acres, 200 acres cultivation, large pasture, fenced, limey water, nearly all can be fenced. New home, stable, granary, well, etc. Close to school, rich soil, excellent water, 10 miles to town. For low price, \$15 per acre. Send for big list. Address

STINSON & WEYAND, Spearville, Kansas.

### GOOD BARGAINS.

80 acre farm, 1 1/2 miles of Fall River, good 3 room house, good well, stable and orchard, all good land, close to school, on phone line and rural route. Price \$3,200. 160 acres, 2 miles from Fall River, good 5 room house, barn, corn crib and hen house, 75 acres in cultivation, 20 acres mow land, balance pasture and timber. Price \$3,500. WILLIAM FORBES, Fall River, Kan.

### HERE'S A MONEY MAKER.

480 acres, a splendid stock and grain farm; 155 acres creek bottom land in cultivation that does not overflow. 40 acres in alfalfa; 10 acres timothy and clover; 280 acres in pasture, which is a No. 1. A good 7 room stone house, small barn and stock shed; splendid feed lots. Farm is well watered and nicely located. Price \$14,000.00. Address

C. R. CANTRALL, Fredonia, Kan.

### FORD COUNTY BARGAINS.

640 acres perfectly level wheat land, in well settled Lutheran settlement, one mile from church and school, 220 acres in cultivation, 160 acres fenced. Price \$15 per acre for the next 20 days. 160 acres 3 miles south of Dodge City, 100 acres in cultivation; price \$4,000.

G. L. PAINTER & CO., Dodge City, Kan.

## TAKE YOUR CHOICE

80 acres	.....\$3,000
80 acres	.....\$3,600
80 acres	.....\$4,500
120 acres	.....\$7,500
235 acres	.....\$65.00 per acre
160 acres	.....\$9,200

These are all improved. I have others. Write me your wants.

B. F. BEESON, Linn, Washington County, Kansas.

### 85 ACRES NEAR HIGH SCHOOL.

Just listed, an 85 acre nice smooth tract, on which is elegant 7 room residence, natural gas for fuel and lights, nice shade, 200 fruit trees, at edge of town, two blocks of county high school, part of place is rented for town pasture, and corn on the place promises 40 or 50 bu. to the acre; no waste; unimproved land no better sold for \$60. This house is worth \$1,800 and \$65 an acre takes it.

DONAHUE & WALLINGFORD, Mound Valley, Kansas.

### ANOTHER GREAT LAND BARGAIN.

Right in the timothy and clover belt of Kansas. This is a fine 240 acres of land situated only 1/4 mile from the new and growing town of Mildred in Allen Co., Kan. This is one of the finest tracts of land that I have ever listed for sale. The lay of this land is perfect and the soil is all a deep black loam that produces big crops of corn and the different small grains. On this farm there is a 1 1/2 story house of 5 rooms, a fair barn, good corn cribs and other farm buildings. It is well watered by good and never failing wells and is well fenced with wire and hedge. Mill the location of the million dollar plant of the Great Western Portland Cement Co., which is now completed and is giving employment to more than 200 men. About 180 acres of this farm is in corn and small grain, the balance in grass. It is the property of an estate and is offered for the low price of \$13,000. Write J. O. SMITH, Moran, Kan., Agent.

When writing advertisers please mention Kansas Farmer.

from the care of a pure bred herd and he let them go.

The Montgomery county "poor farm," which was turned into a county experiment station last spring, has 70 acres of corn that the Tribune estimates will produce 3,500 bushels. It is Boone County White, grown from seed furnished by the State Agricultural College. Superintendent Tucker harvested a 2,500 bushel crop of dollar wheat this year, besides a good crop of oats, another of alfalfa and lots of truck.

The Denver Auditorium is to be the scene of one of the greatest expositions of the coming season. The Colorado National Apple Exposition will be the grandest demonstration of the apple growing industry that has ever been promoted. Thousands of dollars in prizes will attract hundreds of exhibitors in the various classes and it is doubtful if the Auditorium will hold the stuff that is offered for display. The apple industry is growing rapidly and will this year mean millions of dollars to Colorado. No better dates could have been secured than the week from January 3 to 9, 1910.

Chapman is a hustling little city in Dickinson county. It is the seat of one of the first county high schools in the state and is surrounded by a wide stretch of fertile farm land. It has a commercial club and this club does things. It now has in preparation a carnival for the farmers and this preparation was begun by improving every road leading to the city. This carnival will be held in the streets and cash and merchandise premiums will be offered for exhibits of farm products. Entertainment features are also provided, which will include a farmers' automobile race. The first week in September will be an interesting one in Chapman.

### Spring Creek Herd of Poland Chinas.

We called at the Spring Creek herd and found Geo. M. Hebbard, of Peck, Kan., feeling good over the fine prospect of Young Meddler boars he now has for sale. Mr. Hebbard has 10 extra good Meddler boars that are sure herd headers; 10 boars sired by Tornado and 10 by Keepsake. These are all good prospects and are priced at \$25 for choice as long as they last. If you want to buy send your order quick. We noticed one Keep Ahead sow out of a Perfection E. L. dam that has five very fine pigs sired by Meddler, three sows and two boars. The two boar pigs are fine and are bred in the purple. Another extra good sow is Merry May by T. R.'s Perfection, dam by Keep On; the sow that produced the senior yearling litter that was shown at Illinois in 1907. Merry May has a fine litter by Meddler. If you need a herd header write Geo. M. Hebbard at Peck, Kan. He can furnish a first class one at a low price.

### The Harriman Bros. Dispersion Sale of Scotch Shorthorns.

On Friday, September 3, at Pilot Grove, Cooper county, Mo., there will occur the dispersion sale of one of the noted herds of pure Scotch Shorthorns of the West. Harriman Bros., Bunceton, Mo., have spent time and money in bringing this herd together and in doing this they had the wide experience, accurate knowledge and keen judgment of Col. R. L. Harriman to aid them. Their famous show herd, which was destroyed in a railroad accident, was of the same breeding, indeed, the herd was drawn upon for a second show herd after the accident. The offering will consist of animals bred by Col. W. A. Harris, Geo. Bothwell, Tebo Land & Cattle Company, Harriman Bros., Geo. Allen, W. P. Iarned, Col. G. M. Casey, Col. C. E. Leonard, than whom there are no better breeders, while, in addition, there will be a number of imported cows. Their Cruikshank bull, New Goods 26294, is making a great record. His first bull calf sold for \$1,000 and many of the females in the dispersion sale will be bred to him. This will be a great sale and a great place to buy things. Get a catalog by mentioning Kansas Farmer and writing Harriman Bros., Pilot Grove, Mo., or Col. R. L. Harriman, Bunceton, Mo.

### College Hill Farm Large Type Durocs.

On September 10-11 will be sold one of the best lot of Duroc spring pigs that the writer ever saw pass through a sale ring. This event will take place at the College Hill Farm of large type Missouri Durocs at Lamar, Mo. D. A. Beamer, the owner, is purely original in everything he undertakes and is one of the most progressive and successful breeders the state of Missouri lays claim to. He has almost built the nice little city of Lamar. In fact, it is impossible to tell where the town ends and where College Hill Farm begins. It has paved streets and shade trees all the way. The farm is an ideal hog farm, equipped with one of the best watering and feeding systems known to the breeding fraternity. Mr. Beamer raises 1,500 head of Durocs each year and the 300 he will sell in these two days' sale will consist of 150 spring boars of February and March farrow and 150 glits of February and March farrow. There are the best and the best grown out pigs the writer ever saw. You could not help but buy a good one. It is worth any breeder's time to visit this farm and see how 1,500 Durocs are handled and grown. Look up ad

## I'll Save You \$50

On a Manure Spreader If You'll Let Me

This is just a little ad—but a postal will bring my Big Book—and give you my \$50.00 Saving Price and Special Proposition. You can save as much answering this little advertisement as if it covered a page. My Spreader positively will do better work and last longer than any Spreader made—no matter what the price—so why pay \$50 more? 20,000 farmers have stamped their O. K. on my spreader and money saving price. My Special Proposition will interest you. Just a postal addressed to Galway of Waterloo, Iowa, will bring you everything postpaid. Will You Pay a Penny For The Postal and Save \$50.00? Address Wm. Galway, Free. WM. GALWAY CO., 329 Galway St., Waterloo, Ia.



## Harriman Bros.' Dispersion Sale

### 60 - All Scotch Shorthorns - 60

PILOT GROVE, MO., Friday, September 3, 1909

40 HERD COWS, ALL HEAVY MILKERS;  
10 YEARLING HEIFERS; 10 YEARLING BULLS;  
1 GREAT HERD BULL—(NEW GOODS) BY CHOICE GOODS.

This is an absolute closing-out sale of all the Shorthorns owned by us, consisting of 60 head of All-Scotch cattle, 40 splendid breeding cows and heifers, 10 bulls and 10 calves. It is probably the most attractive, the most valuable herd of All-Scotch cattle now owned in the great corn belt section. It has produced more prize-winners the last five years than any other herd of like number, and has probably sent out more high class, high priced Scotch herd bulls than any other herd.

The ten young Scotch bulls in this sale comprise an offering entirely out of the ordinary. Each one is sired by a grandly bred bull, and all are out of heavy-milking Scotch dams that are bred in the royal purple.

The brood cows are the choicest collection of superbly bred, heavy-milking Scotch cows, that money, judgment and good breeding could together. They have been selected from the tops of the best herd in five states, regardless of cost and have been closely sorted and culled out each year until only the cream of the whole herd remains. Every cow in the herd is a regular producer of the right stamp of cattle. Those that have failed to measure up to our standard have been culled out and sold. The whole herd has been handled and maintained in the most practical manner, and is now in splendid condition and health.

There are a dozen choice young females that are bright prospects for show animals this year, coming from the same sires and dams that produced our winners in previous years. The ten calves that go with their dams are of the same class—sired by our herd bull, NEW GOODS.

Contrary to the usual rule for dispersion sales, we guarantee as breeders all animals not already sufficiently guaranteed by pregnancy or calf at foot.

We cordially invite all lovers of good cattle to attend the sale, and be our guests, whether you wish to buy or not. We will try to make it both pleasant and profitable for you, and feel assured that the cattle will please you.

For catalog address

## HARRIMAN BROS.,

Pilot Grove,

Missouri.

Auctioneers—Bellows, Sparks, Ross and Hieronymus.

## 300 HEAD 300 DUROC PIGS

I will sell at Public Auction the above matchless collection of PURE BRED PIGS

At College Hill Farm,  
**The Home of Large Type  
Missouri Durocs**

Lamar, Mo., Sept. 10-11, 1909

These pigs are the tops selected from our College Hill Farm Herd. 500 February, March and April, 1909, farrow of LARGE TYPE MISSOURI DUROCS. They will weigh from 150 to 250 pounds.

Herd boars used in this herd of large type Missouri Durocs are King of the Golden Circle, Royal Joe, Buster Brown, King Brilliant, 500 Pounder, Red Advance, Professor A, Professor B, mated with the very largest types of Missouri Duroc Sows. Certificate of breeding will be given entitling each animal sold to registration.

**TERMS OF SALE.**—All sums less than \$20 cash in hand. On all sums of \$20 and over a credit of 12 months will be given. Purchaser giving bankable note without interest if paid when due. On all cash paid a discount of 8 per cent will be allowed. Send bids to O. W. Devine, representing Kansas Farmer, who will treat you right.

**AUCTIONEERS:** Tom Carlton, Lamar, Mo., Col. Frank J. Zaun, Independence, Mo.

## D. A. BEAMER.

In this issue and plan to attend this sale. September 10 and 11 is the time and Lamar, Mo., the place. Kindly mention Kansas Farmer when writing for catalog.

**Harry S. Adams' Duroc Herd.**  
We wish to call the attention of our readers to the advertisement of Harry S. Adams, of Wichita, Kan. Mr. Adams has been breeding Durocs for several years in a quiet, modest way. Mr. Adams has now at the head of his herd Col. Heldrich, sire Perfect Climax, his dam was Red Flora by Nebraska John. This boar was bred by F. S. Hiedrich, of Madison, Kan. Mr. Adams has some valuable sows with good litters. One sow, Crimson Marie, sired by Crimson Duke by Lord Crimson 2d. Her dam was Sweet Marie by Fairview Chief. Peerless Princess is a litter sister to Crimson Marie and has raised a good litter by Col. Heldrich. One valuable gilt in this herd is Ohio Lady by Ohio Chief, dam Orient Bell. This gilt has a litter by Hol. Hiedrich. Another valuable sow in herd is Improver Pride by Improver Chief by Improver L. A litter brother to Royal Improver. Her dam was Crimson Marie, one of the best sows on the farm. Crimson Marie is now four years old and has raised 48 pigs from five litters. If you are needing any new blood of Durocs write Mr. Adams for prices. He has a nice bunch of spring pigs for sale of both sexes. They are priced right for quick sale. Kindly mention Kansas Farmer when writing.

**Percheron Horses for Ohio State University.**  
Very recently the department of animal husbandry of the Ohio State University, through the McLaughlin Bros., of Columbus, Ohio, has imported four yearling Percheron fillies from France. These were four of the best yearlings Jas. B. McLaughlin could find in the Percheron district. These fillies may be described as follows: Ines 83071 is Besique bred on her sire's side and Jules on the dam's, thus combining two of the most noted strains of blood in France. This filly has unusual quality and finish. Irda 82862 was sired by the French government stallion Duneau, a son of Avise, a horse among the Chicago winners of several years ago. This is a large filly of very excellent bone and she should make a fine brood mare. Idee 79890 is a daughter of Chambord by Danseur. Her dam is by Lerida III, one of the greatest horses ever imported to the Argentine. This filly should not only make a good brood mare, but a show mare. Isaura 82838 is also of Besique breeding. She has wonderful quality, and last year at the colt show at Le Merleau she was first prize winner. These four fillies add greatly to the horse equipment for educational work at Ohio State University. The university now owns pure bred breeding Percherons, Clydesdales and Hackneys, and a Morgan stallion of splendid breeding and character.

**Fifty-nine Springs and Not a Runt.**  
The writer visited the herd of J. W. Pelphrey & Son, at Chanute, Kan. Here we found one of the evenest bunches of spring pigs we have had the pleasure of seeing in a long time. Mr. Pelphrey asked us to pick out the runts. We counted 59 pigs, the number raised, and there was not a runt in the bunch. Mr. Pelphrey is not only a breeder, but a feeder. The herd boar used at head of herd is Erie Expansion, sire Mammoth Ex., dam Queen Nemo. This is a yearling boar with plenty of quality and size combined. Erie Expansion has proven a great breeder of even large litters. The herd sows are mostly of the even type. Proud Beauty is by Proud Archer, he by Proud Perfection, her dam was Black Beauty. This sow raised six fine pigs by Erie Expansion. Center Grove Beauty is a full sister to Proud Beauty and raised six fine pigs by Erie Expansion. Winfred by Peerless Perfection, dam Lucy L. Lady out of a Black Chief sow, raised a good litter by Erie Ex. Okie 2d, sired by Corrector Chief, he by Corrector 2d, her dam was Okie by Meddler. This is one of the best sows on the farm and raised 11 pigs by Erie Expansion. Peach, by Corrector Chief, dam Peerless Gilt Edge, raised a litter of seven by Grand Perfection. One of the best yearling gilts we have seen is Lady Wonder 6th by Blain's Wonder, dam Orange Look. This is a show gilt in any company. Mr. Pelphrey also has two Blain's Wonder sows that are of the big stretchy kind. Messrs. Pelphrey & Son will hold a sale November 8 and sell 30 spring gilts, 10 fall gilts and 10 spring boars. Watch for further mention of this herd and write Messrs. Pelphrey & Son about their herd. If you need any good Poland China blood they can supply your wants. Kindly mention Kansas Farmer.

**The De Clow Horse Sale.**  
With the protracted hot weather and the busy season the crowd in attendance at the big W. L. De Clow horse sale, held at the "New France of America," Cedar Rapids, Iowa, last week, was not as large as it would otherwise have been and not nearly so large as the quality of the stock would warrant. This was especially a mare sale, a majority of the offering being Percheron mares, with a fair sprinkling of Belgians. Everybody was pleased with the horses, as well they might be. They were just over from France, each one was bred and in fine condition and the sale was made under the shade trees where everybody had an opportunity to see and judge for himself. The real good that is being done by Mr. De Clow for the farmers of the West in importing this quality of mares may not be fully appreciated at this time, but it will be later. Men with long heads and keen judgment know that good mares are necessary in this country and they realize that those importers who do the missionary work in bringing over animals of the right quality will reap their reward in time. Too much cannot be said in favor of the efforts that are being put forth by Mr. De Clow for the advancement of the draft horse industry of the corn belt. Mr. De Clow will have a car load of his representative horses at the State Wide Fair at Topeka, September 13 to 18. Some of the representative sales made last week were as follows:

1. D. Augustine, Carlock, Ill.	\$605
2. D. Augustine, Carlock, Ill.	605
3. B. B. Bonifield, Ottumwa, Iowa	715
4. I. W. Van Nee, Cedar Rapids, Iowa	730
5. Harry Marshall, Strouther, Ill.	700
6. C. P. Penrose, Springfield, Iowa	700
7. C. P. Penrose, Springfield, Iowa	700
8. Geo. Murray, Estherville, Iowa	585
9. J. H. Stoddard, Tama, Iowa	825
10. W. H. Ritter, Colfax, Ill.	570
11. W. H. Ritter, Colfax, Ill.	570
12. Jas. Bellows, Fairmont, Neb.	875
13. D. Augustine, Carlock, Ill.	675
14. Harry Marshall	800
15. D. Augustine	900
16. John Alberts, Glen Elder, Kan.	600
17. John Alberts, Glen Elder, Kan.	600
18. W. H. Ritter	600
19. John and Frank Carr, Avon, Ill.	595
20. D. Augustine	675
21. W. H. Ritter	595
22. Harry Marshall	610

**OREGON**  
FREE  
Richly Illustrated Booklets  
from all points of Oregon, telling  
of FRUIT GROWING, FARMING,  
DAIRYING, and other opportunities.  
**ASK QUESTIONS**  
PORTLAND COMMERCIAL CLUB  
PORTLAND, OREGON  
Remember, you can buy tickets to  
other points in Oregon as  
cheap as Portland  
**IS THE PLACE FOR YOU**

**ALFALFA** FINEST NON-IRRIGATED  
SEED, FRESH AND PURE.  
Also CLOVER, TIMOTHY, BLUE GRASS, WHEAT, RYE, BARLEY,  
TURNIP and OTHER SEASONABLE SEED.  
Best and Cheapest. Catalogue Free.  
**ARCHIAS' SEED STORE.**  
Box 17. Sedalia, Missouri.

**GET THIS HARROWING  
ATTACHMENT FREE**  
We are going to give one of these Harrowing Attachments absolutely free to one farmer in each neighborhood. Write us AT ONCE for the particulars. This is a straight business proposition. We sell all our implements direct to the farmers. We depend on them making more sales on their merits. Just now we are making a specialty of these Harrowing Attachments, and we want to sell thousands of them this fall. One in use will sell many others; so we want one in each neighborhood to show farmers what it will do. Do you want one now without a cent of cost to you? If so, write us to-day. Just a postal card request for particulars.  
American Plow Co.  
2638 Fair Oaks Ave.  
Madison, Wis.

**THE TOPEKA PACKER**  
It will save you the full yield of your soil, and the difference in one season's crop will more than pay for the machine. A card today asking for TOPEKA PACKER BOOK, LET No. 16, will bring prices and full description. THE TOPEKA FOUNDRY & MACHINE CO., Topeka, Kansas

**\$50 TO \$300 SAVED**  
We are manufacturers, not merchants. Save dealers' jobbers and catalog house profit. I'll save you from \$50 to \$300 on my High Grade Standard Gasoline Engines from 2 to 22-H.P.—Price direct to you lower than dealers or jobbers have to pay for similar engines in carload lots for spot cash.  
**GALLOWAY**  
Price and quality speak for themselves and you are to be the sole judge. Sell your poorest horse and buy a G.H.P. only \$118.50  
You Can Make Money from this Sale  
My Free Trial, Satisfaction or Money Back. Write today for proposition. I will pay you for material, labor and my big BOOK FREE.  
Wm. Galloway, Pres.  
Wm. Galloway Co.  
335 Galloway Street  
Waterloo, Iowa

**Don't Have a Blind One**  
**Wonderful Discovery**  
**"VISIO"**  
MOON BLINDNESS and all Diseases of the Eye successfully treated with this NEW REMEDY.  
**Money Back** If it fails to cure. \$2.00 per bottle postpaid on receipt of price.  
Visio Remedy Ass'n, Dept. 19, 1933 Wabash Ave., Chicago, Ill.

**THE LARGEST AND BEST LINE OF  
WELL DRILLING  
MACHINERY** in America.  
ing it for over 20 years. Do not buy until you see our new illustrated Catalog No. 1. Send for it now. It is FREE.  
Austin Manufacturing Co., Chicago

**\$10.00 Sweep Feed Grinder. \$14.00 Galvanized Steel Wind Mill.**  
We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.  
**CURRIE WIND MILL CO.,**  
Seventh St., Topeka, Kansas

**L. M. PENWELL,**  
Funeral Director and Licensed Embalmer.  
511 Quincy St. Topeka, Kansas  
When writing advertisers please mention Kansas Farmer.

## PUBLISHERS' NEWS

Wilkins & Wilkins, real estate firm at Blackwell, Okla., in this issue are advertising a choice farm located in Kay county, Oklahoma. Look for the announcement, which gives a detailed description and price.

Messrs. Mullen & Breker, of Wichita, Kan., have a 320 acres farm 4 miles south of Clearwater, Kan., that can be bought for \$18,500. Terms if desired. Write them for further particulars. Address 15 Turner building, Wichita, Kan.

W. W. Barrett, of Sterling, Kan., can sell you a 340 acre farm in Rice county, Kansas, for \$20,000. This is a force sale. Farms adjoining this very farm are priced at \$100 per acre. This is an exceptionally good investment. Write Mr. Barrett for full particulars and description.

This week we start the advertisement of the Summerfield Realty Company, located at Summerfield, Kan. The gentlemen who are connected with this company are old residents of their part of Kansas and have a fine lot of lands for sale. Look up their ad in this issue and write them, mentioning Kansas Farmer.

Nelson Bros., the hustling real estate men of Clyde, Kan., have an advertisement in this issue referring to the Canada lands which they are selling. Very low excursion rates are being made on the first and third Monday of each month. Their proposition is certainly worth investigating. When writing please mention Kansas Farmer.

A Cowley county farm bargain is offered in this issue by R. A. Gilmer, the pioneer real estate man of Arkansas City, Kan. Mr. Gilmer has been a resident of Cowley county for the past 35 years and is familiar with every tract of land in Cowley and adjoining counties. Mr. Gilmer is perfectly reliable. The 160 acres he is offering, see page 15, is a bargain. Look it up.

All catalpas are not alike. There is the genuine speciosa, and the other kinds. The speciosa is the best, but not the easiest secured. You can get this splendid variety from the Winfield Nursery Company, Winfield, Kan., the big, hardy, genuine catalpa. This speciosa, inspected by the government. This nursery sells both the seed and the trees. The cost is reasonable, though you must pay more for speciosa than for inferior varieties. But here is a case where the matter of cost is not so important as what you get for your money. Try placing an order with the Winfield Nursery Company. See ad on page 15. Mention Kansas Farmer when you write.

The richest soil to be found in the Southwest is conceded to Kay county, Oklahoma. Here since the opening of the new state there has never been a crop failure. The soil is a chocolate, varying to a black, sandy loam, rich in chemical elements with a deep

## Wheels of Steel

Construction—that's the important thing in steel wheels. No spokes to rot. No repair bills. Empire steel wheels are made to last a lifetime. Listen to one of our customers: "Gentlemen—I send you herewith order for 4 more wheels. The wheels I got from you 10 years ago are all right now. That's QUALITY." It's the Empire idea all thro'. Ask about Empire Wagons. Shall we send catalog? EMPIRE MFG. CO., Box 20A, QUINCY, ILLINOIS

## CORN HARVESTER cuts and throws in piles on harvester or windrows. Man and horse cuts and shocks equal with a corn binder. Sold in every state.

Price \$15. Testimonials and catalog free, showing harvester at work. NEW PROCESS MFG. CO., SALINA, KAN. Gents:—I bought a corn harvester season 1907, cut corn and maize. The Harvester does good, clean work. All who saw the harvester work were pleased with its work. I have sold my harvester; will want another this fall.

S. A. Fry, Mineral, Okla.

## HOG DIP MITE KILLER

Crude Oil preparation which is absolutely pure, and no dip tank or spray pump necessary. Just follow our simple instructions. On application each spring and fall will keep chicken house free from mites. Price \$5.00 per barrel of 50 gallons, freight prepaid to any railroad station in Kansas. CHANUTE REFINING CO., Chanutte, Kan.

## When You Buy Catalpa

The price is not of such importance to you as it is to get Genuine Pure Speciosa, the big, hardy kind. Our seed is inspected by U. S. Dept. of Agriculture Forest Service. Write for proof and prices. Also have fine line of trees of quality.

WINFIELD NURSERY CO., Winfield, Kan.

ALFALFA HONEY, 1909 CROP. Two cans, 120 pounds, \$8.50, single can \$4.50. F. O. B. cars. W. F. MORLEY, Las Animas, Colo.

## PURE HONEY.

Extracted in cans of 60 lbs. net, amber \$7.50, white \$9. Comb honey in one lb. sections. Send for price list. Nothing but genuine bee's honey. Reference Kansas Farmer. The Arkansas Valley Apiaries, CHEEK & WALLINER, Colorado.

Las Animas, Colorado.

## SAFE INVESTMENTS.

The law exempts from taxation Kansas School, County and City bonds. We offer: \$5,000 City of Topeka Water 5's 1,500 Okawatomie, Kansas 5's 38,000 Marion, Kansas Water 4 1/2's 8,000 Marion, Kansas Electric Light 4 1/2's Write for prices and particulars. We refer to any bank in Kansas City. H. P. WRIGHT INVESTMENT CO., Established 1888, Kansas City, Mo.

clay subsoil. The main staple productions are wheat, corn, oats, alfalfa and all kinds of fruits. The climate is ideal, the temperature seldom falls below the freezing point. The farmer can plow any month in the year. In this issue on page ... Messrs. Kraus & Wymer, the pioneer real estate firm at Blackwell, Okla., are advertising a very rare bargain in the heart of this good district and at a price that should interest any one looking for a good investment. These people are perfectly reliable and are among Blackwell's very best business men. They invite correspondence. Look up the ad for full description.

## Kingman County, Kansas, Lands.

To the person in search of a home or the man or woman who has a little cash to invest will do well to look up Kingman county bargains. This county for soil and water can not be surpassed by any other. It is well covered with groves and orchards and ranks among one of the very best fruit counties in Kansas. Messrs. Jones & Brown, of Kingman, the county seat, have a selected list of farm bargains that they would be pleased to send you upon application. This land is sure to double in value in the next few years. Right now farms can be purchased at a very small cost. Write them for list and full particulars.

## Omaha Commercial College.

The president of the Omaha Commercial College, M. G. Rohrbaugh, informs this paper that the enrollment this year will exceed 1,500 students and that at least 50 different states will be represented. This is one of the big schools of the country and yet it seems to grow larger every year. Its reputation for thorough work and equipment and wise management tell the story. It seems to make a success out of its students and that is the secret of its success. Its fall term opens September 1. Have you seen its new catalog? It will be worth sending for because it tells a wonderful story. If you want a free copy write the president and you will get it. This school has the finest telegraph school in the country and if you are interested in that, ask for the telegraph folder. You are guaranteed a position and have the use of a railroad wire.

## Kansas Prosperity.

"And it is a most significant, a wonder-compelling fact that there are only three states in the Union that outrank Kansas in her assessment of property, New York, Pennsylvania and Massachusetts. In proportion to population both Massachusetts and Kansas lead the other two, or in other words, Kansas and Massachusetts lead the nation per capita as to assessment of property, says the New York Commercial. "Is it to be wondered at, therefore, that the Kansas Bank Commissioner is moved to predict that, with Kansas harvesting a tremendous wheat crop and its promise of gathering the largest corn crop in its history, there is every reason to believe that she will even surpass Massachusetts and lead all the states in the matter of per capita wealth this year? "There nothing the matter with Kansas today. She took the William Allen White remedy suggested in his article, 'What's The Matter With Kansas' of years ago.

## The Alaska-Yukon-Pacific Live-Stock Show.

"More than one thousand herd of stock from the best herds in the country are now on our books and they are coming at the rate of over 100 a day," is the statement of J. W. Clise, chairman of the Live Stock Commission of the Alaska-Yukon-Pacific Exposition.

"The success of the show was assured a month ago, when some of the leading breeders and importers of the country came forward with excellent entries," said Mr. Clise. "These entries have been followed by others no less prominent, until we have already to make one of the best live-stock shows ever held in the West. I am confident that the entries will pass the two thousand mark."

Seven of the most competent judges in the United States and Canada have been employed to award the premiums in the Live-Stock Show to be given at the Alaska-Yukon-Pacific Exposition, Sept. 27th to Oct. 9th. These premiums amount to more than \$63,500 in cash besides the medals, cups and souvenirs.

## Steel Wheels for Farm Wagons.

Farmers whose wagons are in good serviceable condition, with the exception of the wheels, will be glad to know that they can, at very small expense, make them better than new. All that is required is to remove the old wooden wheels and put on a set of steel wheels. No one thing pays better in actual dollars and cents than wide tire steel wheels. No warping, cracking or dropping of tires. Sun and storm proof, they will last a lifetime. Every farmer is no doubt interested in this subject, and to find out just what a set of steel wheels will cost, and to learn all about Farmers' Handy Wagons, the greatest ever built for farm use, he would do well to write to The Empire Manufacturing Co., Box 20A, Quincy, Illinois, for a copy of their booklet on wheels and wagons. This booklet is a veritable encyclopedia of information and will prove of interest to every reader of this paper. It is mailed free.



Box 20A, Quincy, Illinois, for a copy of their booklet on wheels and wagons. This booklet is a veritable encyclopedia of information and will prove of interest to every reader of this paper. It is mailed free.

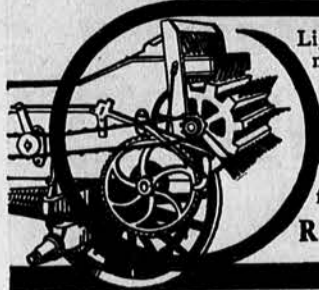
## An Interesting Letter.

That it pays to make a good article is well illustrated by a letter recently received by the Dain Manufacturing Company from a user of their pull power hay press. This is one of the most enthusiastic of its kind we have ever read, and if we were in the market for a press we are quite sure we would be convinced by it. It is as follows:

"Harbin, Texas, July 20, 1909. 'Dain Manufacturing Company, 830 Vine St., Ottumwa, Iowa.

"Gentlemen:—I bought one of your pull power hay presses several years ago; think it to be the best on the market. We have baled thousands of bales on it and it is all the cost. We have never had it in the shop or had to replace a piece about it. While the Push Power or other makes are steel we see them every day or two at the shop. We have one of our power rollers worn a little flat. That is all I see that will keep it from being good for 8 or more years yet. I want to get a roller. I took this to the lathes to have it turned down but it was so hard that the man could not turn what will it cost me to get one. I want also a casing and prices on the 'Pull Power' press. Yours, H. M. Courtney."

## This is what counts in a Spreader



Light draft and perfect distribution are what you look for most in a manure spreader.

## Richland Manure Spreaders

combine these two points with simplicity. The most durable and satisfactory spreader in use today. Buy direct from your dealer—it means satisfaction, or write for booklet J

Rock Island Implement Co., Kansas City, Mo.

## Mitchell County Breeders' Association

C. B. KERN, President.

J. F. HOWARD, Secretary.

Nothing but first class animals offered for sale for breeding purposes. MITCHELL COUNTY FAIR, SEPT. 28, 29, 30, OCT. 1, 1909.

E. C. LOGAN, President.

W. S. GABEL, Secretary.

## 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.

SCOTCH AND SCOTCH TOPPED Shorthorns. 40 head. Herd headed by Popular Knight, by Gallant Knight. Some choice bull calves of fancy breeding for sale. JOHN STROH, Cawker City, Kan.

UPLAND HERD OF SHORTHORNS—Headed by Dreadnaught, by Day Dream's Pride (Imp.). Also Hampshire swine. Boars and gilts for sale. GEO. W. BEMIS, Cawker City, Kan.

ELMDALE STOCK FARM, Shorthorn cattle and Percheron horses. For sale, 7 yearling Select Goods heifers; also a few bulls of same age. Write for description and prices. FRANK P. COOKE, Beloit, Kan.

DUKE OF DUNDEE 285352, by Archer 205740, dam by Gallant Knight, is at the head of my herd. 6 cows by Rose Duke and some by Scotchman. Inspection invited. CHAS. S. MCCLARY, Beloit, Kan.

A PIONEER HERD OF SHORTHORNS—Gloster's Model 287840 by Scottish Gloster 236978. 3 yearling bulls and a few bred cows for sale. Write for prices. ELMER C. CREITZ, Beloit, Kan.

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

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

JENNINGS' SHORTHORNS—Some young bulls for sale by Senator by Hedgewood. Also a few got by Spartan Viscount. Prices right. 2 miles north of Simpson, Kan. S. G. JENNINGS, Simpson, Kan.

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.

A FEW HEREFORD bull calves get by Hobson 97721 and out of dams tracing through Lamplighter to Anxiety 4th, priced later. Berkshire boars, spring farrow for sale. W. B. & J. M. RODGERS, Beloit, Kan.

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

100 HEAD OF HEREFORDS. The home of Castor 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.

## ANGUS CATTLE.

ABERDEEN-ANGUS CATTLE—A young but fashionably bred herd. Some fine spring calves to price later. ROY C. BIRT, Beloit, Kan.

ANGUS CATTLE, the feed yard and show yard type. Young bulls for sale this winter. Inspection invited. HARRY BARNES, Beloit, Kansas.

## The Holland Stock Farm Horses.

One of the men who is doing a large amount of good for himself and his fellow is Chas. Holland, owner of the Holland Stock Farm, Springfield, Mo. Mr. Holland has been an importer of Percheron and German Coach horses for some years and he has done this in such a way as to please his customers and make good at the big fairs, where he has shown his animals. There are a great many individuals and firms in this country who import stallions of various breeds, but few who import mares. Realizing that the mares are just as important to the rapid advancement of the breed as are the stallions Mr. Holland has given special attention to the importation of mares, although there is perhaps not quite so much money to be made at it as by the importation of stallions. Just now he has one hundred head of both Percherons and German Coachers that he says are the best lot west of the Mississippi river and as good as anybody owns. He is offering either imported or American bred stallions or mares or selected young stock from imported animals and takes special pride in the quality and finish of his offer-

## 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 42529 by Cosaque by Theudis, who sired Calipso and Casine. Visitors welcome. C. J. JOHNSON, Solomon Rapids, Kan.

THE HOME OF JACQUE W. 41659 by Tiatrey, dam Imported Risette. Inspection of my Percherons invited. RALPH G. MCKINNIE, Glen Elder, Kansas.

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

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

## COACH HORSES.

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 POLANDS—60 spring pigs, both sexes, to select from. Everything at private treaty. Prices reasonable. Write today. W. H. SALES, Simpson, Kan.

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

## DURCO JERSEYS.

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

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

## HAMPSHIRE.

HAMPSHIRE HOGS. 40 spring pigs, both sexes, for sale. Write for prices. A. B. DOYLE, Rural Route 1, Beloit, Kansas.

## OHIO IMPROVED CHESTERS.

O. I. C. SWINE tracing to the famous Kerr families and the Big Mary family. Pigs of both sexes for sale. Write T. C. WRENCH, Beloit, Kan.

## AUCTIONEERS.

COL. H. H. VANAMBURG, General and Live Stock Auctioneer. Phone 434. BELOIT, KANSAS.

COL. F. L. SMITH, General and Live Stock Auctioneer. Phone 943. BELOIT, KANSAS.

ing and in the fact that he sells cheaper than do others. Springfield is not far from Ft. Scott and Mr. Holland invites you to come and see his stock and make your own selection. If you cannot do this write him exactly what you want and be sure you will get the best there is at a reasonable price.

Wet Alfalfa Burns Mill. Grinding wet alfalfa caused a fire which partly destroyed the Farmers' Alfalfa mill at Minneapolis, Kan. The mill was burned in March and rebuilt, the new plant costing \$25,000, was opened last week. The loss is about \$10,000.

## TOO LATE TO CLASSIFY.

ORANGE AND FIG LAND IN SOUTH Texas, also suitable for many other crops. price very low, terms. W. C. Parsons, Lawrence, Kan.

FOR SALE—MALAKOFF SEED WHEAT, pure, not a kernel of rye or cheat. Recleaned and sacked, \$1.75 a bushel. Large quantities less. A. E. Barker, Junction City, Kan.

Pres. H. J. Waters, the new president of the Kansas State Agricultural College, is not only in keen sympathy with everything that relates to agriculture, but he is also an authority, acknowledged both in America and Europe, on the feeding and breeding of beef and pork animals. President Waters expects to get over the state quite a little this year in farmers' institutes and on "institute" trains. He is the only incumbent of the presidential office of that institution who had been especially trained along agricultural lines.

F. S. Searle, owner of the East Side Dairy Herd of A. R. O. Holsteins at Oskaloosa, Kan., writes: "Have recently purchased the entire Holstein herd of A. A. Hunter, Walden, Colo., he having bought foundation of McKay Bros., Buckingham, Ia., two years ago, and incidentally he bought the best they had, which included daughters of their herd bull, Alcartra Polkadot Corrector, with a dam's record of over 29 pounds. Also other cows of high breeding and of great milk producing ability. He bought four cows out of test which undoubtedly would have made fine records had he left them to be finished. Three of the cows in the herd from Mr. Hunter have been producing 60 to 72 pounds of milk per day this last spring and are 12,000 to 16,000 pounds a year cows. I also procured with the herd several exceptionally good young bulls, one in particular sired by Alcartra Polkadot Corrector, dam Filled 2d, 72 pounds of milk one day, yearling past and good enough to go anywhere. Also procured the herd bull (a 3 year old) dam a 23 pound cow and sire's dam over 25 pounds. He is for sale and some one will get the best there is at a reasonable price."

#### Bell's Fall Date.

This week we are claiming October 13 as the date for B. M. Bell's fall Poland China sale. He will have one of the greatest offerings of the season. But buyers don't need to wait for this sale unless they want to. Mr. Bell has over 200 spring pigs and will price pigs of either sex any time on his fine farm at Beattie, Kan.

The accompanying photo is of Mr. Boyd Chapman, Jr., member of the firm of H. S. Chapman & Sons, Poland China breeders of

Du Bois, Neb. The Chapmans have one of the oldest, largest and best herds of big



type Poland China swine in the state. Boyd is a young man of unusual ability and energy. He knows the good ones and how to care for them. Write him your wants and mention Kansas Farmer.

A prominent manufacturer of mohair in Rhode Island has sent to Sec. Frank A. Welch of the live stock department of the Alaska-Yukon-Pacific Exposition a handsome loving cup, beautifully engraved and gold lined, to be given to the grower of the best mohair shown in competition at the Exposition. The cup is valued at \$200.

## HORSES AND MULES

### Robison's Percherons

For sale now, several matched pairs extra good young mares bred to Casino.

J. C. Robison, Towanda, Kan.



## HORSES AND MULES

### HOLLAND STOCK FARM

IMPORTERS AND BREEDERS OF

#### Percheron and German Coach Stallions and Mares

Our summer importations arrived in August. 100 head as good as grow, and the best lot of stallions and mares west of the Mississippi. If you wish quality and finish in an imported or American-bred stallion or mare, or young registered stock, produced from the most select herd of imported mares in America, we will supply you for less money than others. Mares all bred. Come and see for yourself. The best Percheron stallions and mares. The best German Coach stallions and mares.

CHAS. HOLLAND, Proprietor, SPRINGFIELD, MISSOURI.

#### PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.

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

H. N. HOLDEMAN, Meade, Kansas.

## FINE SHEEP

### SHROPSHIRE RAMS

Big registered fellows. English sire and dam. Price reasonable. Descriptive folder with photos, also booklets on mutton production. Close connection to Kansas City, Chariton, CHANDLER BROS. Iowa.

## POLLED DURHAM CATTLE

#### POLLED DURHAMS.

Young bulls. Cows and heifers bred to Boan Hero, the Double Standard champion. Prices reasonable. Write for terms

C. J. WOODS, Chiles, Kansas.

### BELVEDERE X2712--195058

son of the \$1,500 Grand Victor X1685 150344 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, Kansas.

## ANGUS CATTLE

#### ANGUS BULLS.

Sons of Champion Ito (our show bull) a son of Imp. Prince Ito—cost \$9,100—and out of the \$3,500 champion cow, Queen Mother 17th of Drumfergus, and RUTGER MIKADO 82895, whose get took first prize at the Kansas State Fair last year, and from the best families of the breed. Also a number of females open or bred and some with calves at foot.

#### SHROPSHIRE SHEEP.

A few high class Canadian bred ewes with lambs at foot, sired by our imported English show ram. The best you can buy anywhere. Write us your wants or come and see us.

SUTTON FARM, Lawrence, Kansas.

When writing advertisers please mention Kansas Farmer.

## RED POLLED CATTLE

#### COBURN HERD OF RED POLLS.

Choice young stock of both sexes for sale; also a few cows.

GEO. GROENMILLER & SON, Pomonas, Kansas.

#### FOSTER'S RED POLLS.

15 choice young bulls, a few good females and our 2,400 pound herd bull, Dandy 8 9174, for sale at bottom prices. CHAS. FOSTER & SON, Eldorado, Kan.

## HEREFORD CATTLE

### Jacks and Hereford Cattle.

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

YATES BROS., Faucett, Mo.

#### HEREFORD BULL FOR SALE.

17 months old, grandson of Imp. Lord Saxon, dam by Stonemason 13th, weighs 1,036 lbs., nicely marked, good top and underline, droop horn and a fine individual in every respect. Will price reasonable.

J. W. TOLMAN, Hope, Kan.



Beau Brummel 10th 167719.

Modern Herefords. Herd bulls Beau Brummel 10th 167719. Beau Beauty 192285 and Protocol 2d 91715. Robert H. Hazlett, Hazard Place, Eldorado, Kansas.

## JERSEY CATTLE

### Linscott Jersey Cattle

Established 1878. Registered in A. J. C. C.

Any animal for sale.

R. J. LINSCHOTT, HOLTON, KANSAS.

## SHORTHORN CATTLE

### Evergreen Home Farm.

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

LATHROP, MISSOURI.

#### CEDAR BLUFF SHORTHORNS.

100 head headed by Double Standard Orange Cup X5585 (253228). SHAW BROS., Glade, Kan., Rooks County.

## JEWEL SHORTHORNS

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

W. T. LOWE,

Jewell, Kansas.

## Spring Hill Shorthorns

### 300 Head Scotch and Bates Pedigrees

C. G. COCHRAN & SONS, PLAINVILLE, KANSAS.

## 20 Shorthorn Cows and Heifers

All are bred or have calf at side.

3 GOOD YOUNG BULLS

that I am sure will suit. Everything nicely bred and in good condition.

Moderate prices.

D. H. FORBES & SONS, Topeka, Kan.

R. F. D. No. 8. Bell Phone 31.

## HOLSTEIN CATTLE

### BRAEBURN HOLSTEINS.

Bull calves from dams yielding 10,000 pounds of milk in a year, and upward.

H. B. COWLES, Topeka, Kan.

#### EAST SIDE DAIRY HOLSTEINS.

Having recently purchased an entire herd of Extra High Class Holsteins I am in better position than ever before to offer everything that's good in cows, heifers and young bulls ready for immediate service, breeding and quality unexcelled. Write me your requirements. Satisfaction guaranteed. 60 head in herd. F. J. SEARLE, Propr., Oskaloosa, Kan.

## Registered Holstein Cows

\$75 to \$100 each. I have 5 head of cows from 5 to 11 years, 2 of which are defective in one quarter, 1 a little hump backed, and 2 right in every way, but a little along in years that I offer at above prices. All fresh or safe in calf, and good producers. \$450 takes the lot.

HENRY C. GLISSMAN, "Rock Brook Farm," Sta. B, Omaha, Neb.

## GALLOWAY CATTLE

#### SMOKY HILL RANCH

Galloway Herd, headed by Pat Ryan of Red Cloud 20038, Starlight 2d of Tarbreoch 24473 and Valarius 29088. Bulls and heifers for sale from my herd of 180 registered Galloways.

E. J. GUILBERT,

Gill, Kansas.

## BERKSHIRES

### BRAEBURN BERKSHIRES

Young pigs, high class in quality and breeding.

H. B. COWLES, Topeka, Kan.

BAYER'S BERKSHIRES—Herd headed by Field Marshal, first at Sedalia and second at St. Joseph, Mo., in junior yearling class, 1906; assisted by Lee's Masterpiece. Young boars ready for service, and bred gilts for sale. J. T. BAYER, R. R. 5, Yates Center, Kan.

FOR SALE—Yearling boar by Forest King. Very few boars. Spring farrow. Good ones. Few gilts. Prices Reasonable. Get prices before buying. MANWABING BROS., Lawrence, Kan., R. D. 1.

BERKSHIRES OF MASTERPIECE AND PREMIER LONGFELLOW strains. 75 bred sows and gilts begin farrowing Aug. 15. Bred for size, bone and milking qualities combined, with finish. Good backs and bodies, as well as good heads. They are useful as well as fancy. Pork, pigs and profit, not wind. Also offer choice Ram-bouillet rams.

E. D. KING, Burlington, Kansas.

#### SUTTON BERKSHIRES.

10 fancy show sows \$75 to \$100; 100 fancy sows and gilts at \$35 to \$50; 10 good gilts bred to our show boars.

3 SHOW BOARS 3 Fancy enough to head the best herd in the land. The above are all sired by or bred to Berryton Duke Jr. 77341, Lord Duke Jr. 88899 and Sunnyside Royal 86065.

Baron 2d 88899 and Sunnyside Royal 86065. Lawrence, Kansas.

## SHORTHORN CATTLE

#### GREENDALE STOCK FARM.

25 YOUNG BULLS by Imp. Ardathian Mystery and Best of All for sale at bed rock prices. Can also offer some good Berkshire swine and Eborshire rams. Correspondence solicited.

COL. ED. GREEN, Prop.,

Florence, Kansas.

## RENO HERD SHORT-HORN CATTLE

Bulls in service, Forest Knight 226084 and Victor Archer 264156. Breeding stock for sale.

Stewart & Downs, Hutchinson, Ka

## FOR SALE.

10 choice young bulls from 8 to 12 months old, part straight Scotch.

Choice yearling and short two-year-old heifers.

Good colors, bright red, priced right.

C. W. TAYLOR, Pearl, Kan.

Address Mail R. F. D. 2, Enterprise, Kan.

## Prospect Farm Shorthorns

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

H. W. McAFEE,

Bell Phone 59-2. Topeka, Kan.

## BERKSHIRES

#### MAPLE HEIGHTS HERD BERKSHIRES.

A fine bunch of long bodied, smooth, spring pigs ready for shipment, also a few show yard pigs. Extra gilts and boars. Write or come and see them.

J. M. NIELSON, Marysville, Kansas.

#### BERKSHIRES—OVER 250 HEAD

To select from. Choice boars and females of various ages. Baron Duke 75000 and Masterpiece 77000. Spring pigs for sale. We guarantee satisfaction.

Write LEON A. WAITE, Winfield, Kan.

## DUROC JERSEYS

#### DEEP CREEK DUROCS.

Choice spring pigs sired by a good son of Kant Be Beat, the \$6,000 boar, \$10 each.

C. O. ANDERSON, Manhattan, Kan.

RED STAR DUROC JERSEYS—Headed by McDowell's King 72149 by Colossal, he by Golden Rule. Dam of Kant Be Beat breeding. Sows in herd carry the blood of Kansas Wonder, Crimson Wonder, Red Raven and other great boars. Boars priced for future delivery.

F. G. McDOWELL, Corning, Kan.

STANFIELD HERD DUROC JERSEYS—Choice young stock for sale, sired by Kansas Kant Be Beat and Jerry Wonder. My sows are of best breeding and good quality, all in the 500 pound class. I can please you.

H. C. STANFIELD, Buffalo, Kansas.

#### PLEASANT VIEW HERD.

Spring gilts and herd boar prospects for sale. Sired by Tattarax, the Kansas and Oklahoma champion. College Lad and Pleasant View King. Out of such sows as Pleasant View Queen, College Girl, John's Choice and Bob Orion. Prices reasonable.

R. B. MARSHALL, Willard, Kan.

FASHIONABLE DUROCS—Herd boars; King of Kant Be Beat by Kant Be Beat, dam by Ohio Chief. Also Alex Heir 2d by Alex Heir. Five granddaughters of Ohio Chief sired by Kant Be Beat. Best of breeding. 100 March and April pigs at private sale.

G. H. RAMAKER, Prairie View, Kansas.

#### PERFECT IMPROVER AT HEAD OF HERD.

Duroc gilts and spring boars for sale. The best lot of pigs I ever raised. Have over 100 head spring pigs, mostly sired by Perfect Improver, the largest Duroc boar in Kansas. Write for prices. A few bred gilts for sale.

J. U. HOWE, Wichita, 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, Kansas.

#### PILOT CHIEF, COL. C., MEDOC'S MODEL.

125 March and April pigs to select from. Write us for prices on choice boars sired by the above. The best of breeding and individually good.

MINER & CROSS, Guide Rock, Nebraska.

#### DUROC BOARS BY KING OF COLS. 2D.

125 spring pigs by this great sire. Buy now and save money both in price and express charges.

FRANK ELDER,

Green, Kansas.

(Successor to Grant Chapin.)