

# KANSAS FARMER

FOR THE IMPROVEMENT



OF THE FARM AND HOME

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## The State Fair An Aid To Prosperity

There are people living today who remember the old fashioned fair as a reunion of citizens, an exhibition of fat stock and big pumpkins, with a little excitement on the race track. These and a later generation can remember when the excitement of the race track seemed to be the dominating feature and the live stock and agricultural exhibits gradually decreased in both numbers and quality. Misfortune seems to have overtaken both of these classes of fairs and perhaps the reasons were not far to seek. Those who remember them, however, with nothing of later experience, would have but a faint conception of the modern state fair as it is conducted in the corn belt today.

In pioneer days the big steer, like the big pumpkin, took the premium. Size was the winning quality. Breeding of live stock was little thought of and fat was of more value than pedigree. That these old time fairs had a useful place in our economy, that they furnished an opportunity for renewal of old friendships and the formation of new acquaintances, that they taught by object lessons in a pioneer sort of a way and that their passing is regretted by those who knew them are unquestioned facts. That they would attract attention along side of a modern state fair is, however, a matter of grave doubt, because the latter is constructed entirely on different lines. The live stock shows are still in evidence but of vastly different quality. The agricultural and horticultural exhibits impress themselves by quality rather than size, and the temporary structures which were thought good enough to house this annual meeting

### The Modern State Fair is The Show Window of The State's Prosperity

have given place to magnificent palaces of brick and steel and concrete.

In the modern state fair everything is represented and everything is in the right proportion. It is the state on exhibition. It is complete in every detail, and is perfectly balanced. It is an exhibit of products as in the old fashioned fairs, but it is an object lesson of methods as well. The state fair is full of interest to both the city and the country worker alike. For a small admission fee he is permitted to examine and study its crops, live stock, manufactures, minerals, machinery and the methods and processes through which these are produced and by which his state has attained its position in the world.

The state fair is a great university teaching by object lessons. It is the one place in the state where the citizens may gather annually to see the results of their labors and compare them with their fellows both at home and abroad. In this common center all of the interests and industries of the commonwealth are brought together for the inspection of the citizens who here meet in annual reunion. Lessons are learned by first attracting the attention. This secures the interest and when interest is once aroused a thorough study may ensue.

Fat stock still comprise an interesting feature of these great fairs, but not

the most interesting. Races are an interesting feature, but are ranked as only a part of the amusement department of the fair. The breeder of pure bred stock who has carefully studied his animals, selected his chosen breeding lines and feels proud in the results he has attained is here given an opportunity to test his theories by comparison with the work of other breeders. As a county fair is necessary to a county for its own well being, so a state fair is necessary to a state. The breeder of live stock takes pride in the showing he makes at his county fair, but it too frequently happens that his herd is the only one of the breed on exhibition or else the classes are but partially filled, so that there is no real contest, and hence no real comparison of results. The county fair is a preliminary battle ground of the breeder. Competition for him is necessary for his own good, and if he has this and his animals are handled by capable judges he will have learned much, though his opportunities will still remain limited.

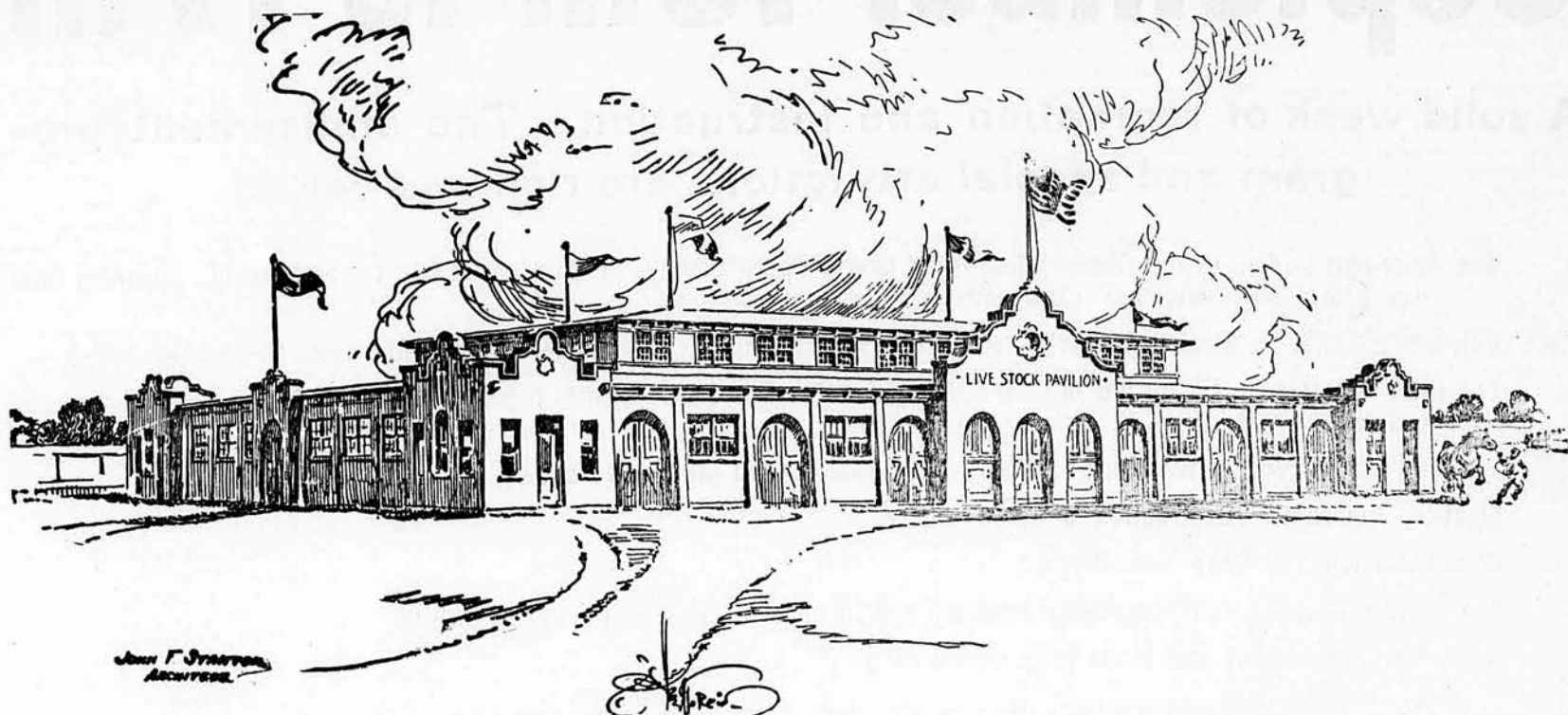
As the county fair is the district school of its kind, so the state fair is the university. Here are assembled those who have passed the examinations of the county fairs in the home state or county of those nearby and are thought competent to work in the larger school. Competition in the state fair brings to-

gether a higher class of products of all kinds and is a more representative exhibit of the state at its best. Those who win here may feel qualified to compete for honors in the national shows.

The state fair is the advertising agency of its state, and one of its chief values lies in the fact that it teaches its own citizens of what they possess as well as carries information to the outsider who may visit it. Successful state fairs are great immigration agents, as those who desire to change locations and who feel an interest in a certain territory now know that they can get more real information at first hand by a visit to the state fair than they could by months of traveling or by any other means.

A number of the states of the corn belt have been so impressed with the value of their state fairs that they have invested of their money in an almost lavish manner in the erection of permanent buildings for the greatest annual event in the state's history. In no case has this money been unwisely expended. One nearby state has about one and a half million dollars invested in its fair grounds, hangs up a premium list of many thousands annually, and points with pride to the fact that it makes money every year. This, however, is the smallest consideration that should enter as a factor in the building of a state fair. Of course it is necessary that these fairs shall make money. They could not exist without it. It is desirable that they make a profit in order that this profit may be used in the upkeep of the grounds and buildings. Any well conducted fair in the corn belt can show a

(Continued on page 4.)



NEW LIVE STOCK PAVILION, STATE FAIR GROUNDS, TOPEKA

This building costing \$25,000, and one of the finest live stock pavilions in the United States, this week completed and turned over by the contractor to the Kansas State Fair Association, Topeka. It is 230 by 156 feet and will accommodate 532 head of cattle. It is built of brick and steel and finished with rough cast cement in the Mission style.



# KANSAS STATE FAIR

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# TOPEKA

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Under entirely new management the Kansas State Fair at Topeka, will this year surpass any fair ever before held in the state and will take rank with the leading state fairs of the country—a credit to Kansas and Kansas people. More than \$30,000 has been spent for new buildings and improvements for the convenience and comfort of visitors and exhibitors, and nothing has been overlooked which will contribute to the success of this exposition of the agricultural resources of Kansas.

## More Than \$35,000 in Premiums

Including \$1,500.00 for County Collective Exhibits. Entries already made in the live stock, agricultural, horticultural, apiary, poultry, arts and crafts and dairy departments insure a showing of products such as the state has never before seen. Every premium will be paid in full. Manufacturers in every line will have full displays of machinery.

## FIVE DAYS RACING

More than 200 trotters and runners will be on the grounds for the exciting special contests every afternoon. The purses offered are amply large to attract the best horses of the country. Remember the date.

# September 10th to 17th

**A solid week of recreation and instruction. The amusement program and special attractions are rich and varied**

The American Ladies Grand Concert Band and Grand Opera Singers of Chicago, in four concerts daily. (Opening Sunday afternoon, September 11th, with grand sacred concert.)

Every-day flights by Strobel Air Ship. (Over city and around Capital dome, Sunday afternoon, September 11th.)

The Pain Pyrotechnic Co. grand display Spectacular Fireworks four nights, together with Strobel under a powerful searchlight in daring flights about the grounds.

Parker's clean midway with the best line of interesting and instructive shows.

Electric Panorama "Destruction of San Francisco."

Demonstrations of Deep Sea Diving.

The most instructive and educational program ever given with an agricultural convention.

Write for premium list and place your entries early.

**J. W. GOING,**  
President

**H. L. COOK,**  
Secretary





# KANSAS FARMER

## EDITORIAL



### INTEREST IN OLEOMARGARINE.

During the last few weeks of the session of Congress just closed, a determined effort was made to interest the different labor organizations in the attempt to secure the repeal of the Grout law which imposes a revenue tax of ten cents per pound on artificially colored oleomargarine. The parties behind the movement, some of whom are members of Congress, either ignorantly or willfully misrepresented the requirements of the present law and the result its enforcement has upon the present price of butter.

The Grout law imposes a tax of ten cents per pound on artificially colored oleomargarine and one-fourth cent per pound on uncolored oleomargarine. Less than three per cent of the oleomargarine produced in the country last year was tax paid at ten cents per pound. The other ninety-seven per cent was tax paid at one-fourth cents per pound. This is sufficient evidence that the ten cents tax has nothing to do with the price of butter.

The ingenuity of the oleomargarine manufacturers has enabled them to produce yellow oleomargarine without the use of artificial coloring matter. The result is that a large percentage of the oleomargarine sold is yellow but is taxed only at the rate of one-fourth of a cent per pound.

Oleomargarine manufacturers refer to their product as the "poor man's butter" and seek to influence the laboring man with that argument. The laboring man is just as much interested in knowing that he is purchasing butter when he calls for butter, as any other man on earth, and this attempt to arouse his antagonism to protective legislation is nothing less than an insinuation of ignorance on his part.

The man who chooses to purchase a substitute for butter is entitled to that privilege but he should be able to purchase it at a butter substitute price. He should remember that yellow oleomargarine is always sold at a price nearly equal to butter, while natural colored oleomargarine is sold at a much less price. He should also remember that only three per cent of the oleomargarine manufactured last year was taxed at ten cents per pound and that the repeal of the present law cannot possibly result in lowering either the price of oleomargarine or butter. It can result only in the decrease in the manufacture of natural colored oleomargarine, which is the only kind that is sold at oleomargarine prices, and which by any course of reasoning can be termed the "poor man's butter."

The consumer of oleomargarine and the consumer of butter are both entitled to protection, both in the choice and in the price of the article they choose to purchase.

The commercial fruit grower must spray. A Topeka apple dealer has just concluded a tour of Kansas and has found no apples fit for storage on account of damage done by insects. With the endorsement of fruit growers' associations generally, a bill was passed by the last session of Congress providing a standard for fungicides and insecticides. This bill becomes effective January 1, 1911, and users of spraying materials will be protected. The United States Department of Agriculture will furnish a bulletin containing formulas for mixtures, instruction for spraying, etc.

Reports from the office of Secretary Cook of the Kansas State Fair indicate that the largest fair ever held in Kansas will be pulled off at Topeka September 12 to 17 inclusive. The new live stock pavilion, which will comfortably house 500 head of show cattle, is completed at a cost of \$25,000. Other improvements to the amount of \$10,000 have been made on the grounds. Plans for another new building to be erected next year are under way. The number of entries for this next month's fair are large and with these entries alone—more will come in before the gates open—a great big fair could result. Secretary Cook is a big state fair man. Have you met him? Make his acquaintance next time you are in Topeka.

With which is combined FARMER'S ADVOCATE, established 1877.  
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PUBLISHERS' GUARANTEE TO SUBSCRIBERS—KANSAS FARMER aims to publish advertisements of reliable persons and firms only, and we will make good to any paid-up subscriber, any loss he may suffer, through fraudulent dealing on the part of any of our advertisers, provided complaint is made to us within thirty days after the transaction, and it is shown that the subscriber, in writing to the advertiser, plainly stated "I read your advertisement in KANSAS FARMER." We do not, however, undertake to settle, or be responsible for, the debts of bankrupts, or for petty or trifling disputes between a subscriber and an advertiser, although we extend our good offices to that end.

PICTURES—Good photographs, drawings and plans are especially solicited. Senders' names should always be written on the back of each picture. KANSAS FARMER cannot be held responsible for any picture submitted, except under special written agreement.

CONTRIBUTIONS—KANSAS FARMER is always glad to have correspondence on all farm, live stock, or household subjects. Your name should be signed to all communications and they should always be addressed to

KANSAS FARMER COMPANY, TOPEKA, KANSAS.

### SMALL FARMS PROFITABLE.

Emphasizing the fact that a large farm does not measure the farmers' prosperity comes figures from Manhattan giving the results obtained from dairying on a 42-acre tract, 15 acres of which are in pasture.

During the year, ending April 1, 1910, Professor Kendall kept an accurate account of the dairy farm in his charge and from a herd of 25 cows, realized a net profit of \$1,876.21, approximately \$45 per acre, besides pasture.

The total receipts of the year were \$3,370, of which \$2,135.93 was for milk and cream, the remainder for live stock and miscellaneous; \$537.36 was spent for grain, \$356.43 for roughage and \$600 for labor, making a total expenditure of \$1,493.21. Besides the herd of 25 cows, there were 30 young stock, four bulls and two draft horses kept on the farm.

The small farm will be the farm of the future in the United States as in European countries. The young man of today will be more contented and his family better provided for and happier if he can content himself with a small farm well tilled and with the intelligence of present day scientific knowledge. The facts reported from time to time in these columns support the statement.

Do not sell off the breeding stock because the outlook for feed may not be quite to your liking. Hustle around and get the feed. If you dispose of the breeders you will be out of business for several years and you can't afford it.

Exhaustive tests have just been completed by the Illinois Experiment Station wherein alfalfa hay was compared with wheat bran for milk production and the conclusion verifies the already numerous tests on the same subject. The demonstrations also indicate that alfalfa hay will not only supply a palatable roughage and a large amount of protein but also that the alfalfa keeps the animal in better physical condition than such rations as timothy hay feed with grains high in protein. The Illinois authorities urge farmers of that state to grow alfalfa.

Kansas farmers are to have another year of special train carrying the gospel of good farming to their very doors. The idea of institute trains is good. The farmers appreciate the opportunity to learn is apparent by the large numbers attending the lectures. Let us when the train is to be at your station and meet it. The Kansas State Agricultural College has for the coming winter and spring made arrangements with the Rock Island for a "Hog Train," a "Dairy Train," and a "Horse Train." Over the Santa Fe will probably be conducted a "Dairy Train," a "Poultry Train," and a "Corn Train." Arrangements to be made with other roads.

### ANIMAL COMFORT.

Animal comfort is necessary in the largest production of milk, beef, or for any other purpose for which it is desired that the animal excel. During the hot weather an electric fan was placed in the stall of Josephine, the Holstein cow owned by the Agricultural College of Missouri, which is being sent after the world's record for milk and butter production. Josephine has already made a new mark for the first 120 days of her test and is now giving an average of 50 quarts of milk per day on about 65 cents worth of food. Now, KANSAS FARMER is not recommending the installation of electric fans in the dairy farms of Kansas, but does desire to impress upon dairymen the necessity of comfort for the dairy animal. Protect her from the extremes of heat and cold, provide a good bed and plenty of the right kind of feed and the results will be gratifying.

Because Roosevelt's world-wide conservation plan has fallen flat is no reason why Kansas farmers should not adopt and practice conservation of the state's resources. To conserve our natural wealth does not require either a world-wide or state-wide movement. Each individual farmer can and should frame up his own conservation policy and follow it. A plan of saving the manure and getting it into the land, a crop rotation, more alfalfa and other crops fed on the farm, less growing of grain for market, more live stock and better live stock are each subjects which will look well and prove profitable in the "conservation" policy of any Kansas farmer.

Every county farm should be a demonstration farm. It should be in charge of a trained agriculturist of such ability as would enable him to see the needs of the county in which he is located and so shape his demonstrations as to make them of the greatest possible value to farmers of that section. The county demonstration farm idea was promulgated only a few years ago. Illinois and Iowa are western states which have adopted the plan with success and enthusiasm. Why not Kansas? The county demonstration farm will help in a hundred ways.

Thank God every morning when you get up that you have something to do that day which must be done whether you like it or not. Being forced to work, and forced to do your best, will breed in you temperance and self control, diligence and content, and a hundred virtues which the idle never knew.—Charles Kingsley.

KANSAS FARMER is in receipt of an advance copy of the Premium List for the International Live Stock Exposition, to be held at Chicago beginning Nov. 26. Breeders intending to exhibit at the International may obtain a copy of the list upon application.

### SPRING WHEAT GOOD AS EVER.

When winter wheat is damaged the first impulse is to plant the ground to corn. Thousands of acres of wheat are this year planted to corn. The increased corn acreage was tremendous with the result that hundreds of acres of corn was not plowed even once. This was the kind of a season when corn required the best of cultivation. The result is that much of the wheat ground planted to corn has yielded this year nothing but fodder and much of that is poor quality. The moral is: do not plant more corn than can be properly cultivated.

If winter wheat ground must be planted to something try spring wheat in the eastern third of Kansas. In the middle third the prospects for spring wheat are fairly good. Spring wheat can be drilled in the damaged wheat, and, if some of the winter wheat does survive, it will not damage the spring wheat. The day was in Kansas when spring wheat was considered a good and profitable crop and so it is yet. It is manifestly better to give spring wheat or oats a chance instead of planting to corn. It makes the corn acreage so large that the weeds cannot be kept down or the soil properly tilled.

Hurry along the plowing. The recent good rains have put the ground in good condition for the stirring plow. Turn the land over and pack behind the plow. The earlier the plowing the better condition the seed bed will be in when planting time comes. The packing following the plow will help conserve the moisture. It improves the seed bed, too. For this a packer is best. If you have not a packer slant the harrow teeth backwards and drag the plowing. Unhitch from the plow an hour before quitting time and hitch to packer or harrow. This program will pay if followed for a period of five consecutive years.

Under present conditions county farms as real farms are a poor excuse. As a rule the superintendent is not a farmer—if a farmer a poor one. It ought to be a progressive farmer. The superintendent of the Shawnee county farm is building a 150-ton silo. He is having an ensilage cutter in company with several of the farmers living in the vicinity of the county farm and other silos are being built in the neighborhood.

A Milwaukee, Wis., court has decided that the tuberculin test for cows is valuable and necessary in order to determine whether or not a cow is suffering from tuberculosis, and therefore not illegal as contended by the dairymen. The court concludes: "That bovine tuberculosis is transmissible to man; that there is danger of infection to man from bovine bacilli from milk from tubercular cows; that the tuberculin test, while not infallible, is a reliable, trustworthy and useful diagnostic agent for determining the existence or nonexistence of tuberculosis in cattle."

Sections of the country which receive their intoxicating stimulants in the guise of perfumes, essences, medicines or drugs were delivered a body blow today by Commissioner Cabell of the internal revenue bureau, who gave out a list of more than 200 preparations which hereafter may be handled by drug stores only after the government liquor license is paid. Results: alcohol more scarce, harder to obtain and more money in Uncle Sam's treasury.

Kansas has oceans of feed for wintering all the live stock within the state's borders. But, take good care of all roughage—even if plenty is in sight. Cut in good season. Stack well. By so doing the feeding value is increased. If you seem a little short take all the better care of what you have. It is possible to so take care of feed that one armful will go as far in maintaining the animal as two armfuls under ordinary conditions of saving.

"No nation has died at the bottom, among the tollers; all nations that have died have died at the top, among the spoilers."—Dr. Edward A. Steiner.





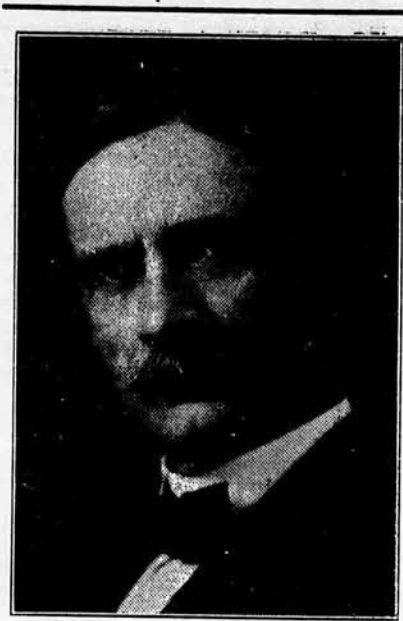
SEC. W. R. MELLOR  
Nebraska State Fair, Lincoln, Neb.



SEC. JOHN T. SIMPSON  
Missouri State Fair, Columbia, Mo.



SEC. JOHN T. STINSON  
Iowa State Fair, Des Moines, Iowa.



SEC. H. L. COOK  
Kansas State Fair, Topeka, Kan.

## Benefits Derived From a State Fair

J. C. SIMPSON, Secretary Iowa State Fair.

Thinking men and women of today must grasp the social and industrial problems with which we stand face to face, in the light of future events and probable results, if modern society would fulfill its mission. The function of all educational effort should be to enlighten the intellect and stimulate the mind. The basic principles of good citizenship are to be found in all legitimate forms of instruction; and whatever form of instruction is employed, or whatever relates to that effort, should have a large place in public utterance. Any effort in the way of giving direction to the public thought is effective in proportion as it is potential, and there is no institution which possesses more effective possibilities for enlightenment of the human mind than a well conducted fair. The primary object of all fairs is education, and that fair which loses sight of this fact is not worthy of the support of the people.

I do not desire or wish to convey the thought that amusements at fairs should be eliminated—far from it. They are a necessary adjunct to every well conducted fair; just as necessary as the little pleasures and recreations are to our home life, where recreation and relaxation are quite as important sociologically as education and instruction. Therefore all forms of good, clean amusements are a legitimate feature of any fair. They should not, however, be made the dominant feature of the fair, as a top-heavy amusement program will be harmful to the stability and permanency of the fair.

To the farmer especially a well conducted fair is a great clearing house of suggestive material for self improve-

ment. Its spirit is the kind that seeks to offer remedies for ills which exist. It is the kind of spirit which touches the farmer's life most vitally. It finds the man and does not compel the man to find it. Through the exhibits it enters the home and helps to lighten the burdens of the homemaker. The well conducted fair is an organized co-operative demonstration work on a large scale. It has been a long hard struggle to convince some people of the educational value of fairs, for they did not think of education that was not received from books, and which seemingly ceased when the school and college work was over. The thinking men and women never speak of their education being finished. A well conducted fair with an attendance of two hundred thousand people within a week gives more days of instruction than a school with an average attendance of one thousand per day, running nine months in a year. Not only that, but it reaches all classes and ages—old and young, city and country people alike. Compare the cost of maintaining a school with the amount annually expended by a state for its fair and the fair becomes a paragon of cheapness as well as utility.

Do not confuse the harmful influence of a poorly conducted fair with the great benefits being derived from the well regulated and conducted fairs. The purpose of the fair is the same the world over, but this is not always true as to the management. We believe, however, that the purpose of the fairs is becoming more thoroughly understood each year, and that in time all fair managers will be directing their efforts along proper lines, or be eliminated from the management of said fairs.

plants. He learns that from good seed he may expect good results provided he gives good care and attention. Every visit he makes to the fair teaches him more of intensive farming than he knew before and intensive farming is simply careful farming. The same is true in every department. The fair is the state on exhibition at its best, but the exhibits are the results of inherited tendencies on the part of plants or animals, or development by careful thought and management, and of finishing processes which are known to the breeder or the grain grower.

The visitor expects to be amused at the state fair. It is a period of relaxation and he expects to get the most out of it. He is attracted by the race horses, where his interest centers first in the contest, but where he learns, perhaps involuntarily, that the animals which produce the wonderful records of speed are the results of the same careful judgment, knowledge and management that have produced the fat cattle or the big squashes in the other departments. He learns also that the races are only one of many amusement features. The modern state fair is no longer an agricultural "hoos" trot, though the exhibitions of speed are a necessary and valuable part of it. The breeder of thoroughbred and standard bred horses has no other way to test the results of his work except on the track, and every opportunity should be offered to him to prove their worth in competition with others.

All classes are interested alike, though

## How The State Fair Profits the State

W. R. MELLOR, Secretary, Nebraska State Fair

A Kansas writer has said, "The State Fair is the advertising agent of the state. It is the great show window of its store of accomplishments, and what she has to offer." To those who have been in attendance, this truism needs little comment. Here its choicest animals, products and manufactures are exhibited. Here is the place to secure education in a shorter space of time, and at less outlay, than at any school of learning in the land. Here marks the beginning of desire for better herds, products and machinery on the farm. Here are the practical observations from which, at a glance, is secured the lasting knowledge which may not be imparted or acquired in any other manner. What other incentive has been constantly and unceasingly offered for the creation of ambition for pedigreed stock? Had it not been for the education by object lesson at these gatherings of the best from our storehouse of meritorious effort, the knowledge of attained excellence, which is so important to welfare and happiness, would be still in its infancy.

At no other place in the world can so much be seen for the money as at a state fair. There can be found the best animals of all the various desirable breeds, true to type. There are the best agricultural products, arranged in a manner pleasing to the eye. There are all the varieties, makes and kinds of machinery, where those who desire may see a half dozen different makes of the machine for the same purpose, shown by an expert, so that the particular kind adapted for the buyer's judgment can be judiciously selected. There the ladies may examine the wares of the textile, fine art and domestic products depart-

ments, and how much enjoyment is secured to those connected or in sympathy with the schools of the state, in the examination of the educational display. Nebraska is said to excel every other state in the Union in its educational and agricultural display at the State Fair. With what pleasure and delight is viewed the fine exhibits of flowers, plants and fruit displayed in horticultural hall; what an attraction the fish present at the fisheries building to the thousands who annually visit this exhibit. What a vast amount of study or lectures it would take to acquire the knowledge gained at a glance as to the difference in the characteristics of the various exhibits made.

When patrons grow tired of the educational features at the fair, there are the amusement features, which attract from the fact that a selection can be made for the specific kind which the beholder most thoroughly enjoys. A few steps takes one to the auditorium, where one of the best bands and grand opera concert companies to be secured in the United States is rendering programs from the world's best masters. If it is a contest of speed which is preferred, then the grandstand at the race track as a resting place is most alluring. Occasionally we hear a complaint that the racing part of the State Fair costs too much money, or that more in proportion is offered than for any other department. This is erroneous, as it is seldom that the entry fees, grand stand receipts and concession privileges do not more than foot the total expense, leaving the amount received from those who come for this specific sport at the outside gate, to apply on premiums and expenses.

the farmer and stock raiser, should receive the encouragement of the Legislature as well as the people.

The state fair, a great annual agricultural convention exhibiting the resources of the state, demonstrating the best methods in every department, giving lectures and lessons from those who have learned well, is a far reaching benefit that cannot be appreciated on first thought. It is educational from every standpoint and a state whose farmers are known for their thrift and progressiveness, for their advanced ideas on dairying and live stock breeding as well as agriculture, should be in the fore ranks instead of a laggard. Farmers can not visit the fine pens of stock at a state fair without going home imbued with higher ideals and progressive thoughts toward the betterment of their homes and financial condition.

For years the cry has been that the boys and girls are deserting the farms for city life, and there is a reason for this. The monotony and drudgery of farm life is largely responsible for this exodus from the country to the city. This does not apply, however, to the up-to-date farm where new ideas prevail and where modern equipment and machinery rob it of its drudgery and where advanced thought prevails and gives to the world the best in breeding, whether applied to live stock, the grains of the fields or the fruits of the orchard.

### State Fair an Aid to Prosperity.

(Continued from page 1.)

clean record in a financial way, but its educational value is not and can not be measured. The risk assumed is considerable when one realizes that on a permanent plant that has cost a million or more dollars there are expended thousands of dollars each year for the instruction and entertainment of the people in one brief week. Yet the social enjoyment, the entertainment, the knowledge gained and the permanent benefits derived by those who attend more than compensate them for all outlays of cash or time which they may have incurred.

As the state university does its work at the head of the educational system of the state, as the agricultural college does its work in training along the most important lines of human endeavor, so the state fair has a distinct place in the modern economy of our commonwealth and its value is no less in its way. If the citizen is especially interested in live stock he can here see before him in their best array the results of the most successful breeders and from these he can learn lessons which would be impossible in any other way. If he is interested in grain crops he sees on exhibition not necessarily the biggest of corn stalks and wheat stems but the best, and learns the reasons which lie behind their production. He learns that the laws which apply to the breeding of animals also govern the breeding of

each finds a special feature that is more attractive than others. The boy's enter into the boys' corn contest with an interest that they never experienced before its inauguration. The girls visit the domestic science exhibits and watch the demonstrations with immense value to themselves. The young farmer and his wife learn from all departments and form acquaintances and friendships that will be of value in both a business and social way to them in after life, while the aged will find a renewal of youth in the interest and excitement afforded by a visit to the state fair grounds.

Different classes of people are brought together to their mutual advantage. The city dwellers learn of things from the country that were undreamed of before, while the farm folks are enabled to come in contact with their city cousins to their mutual advantage. There is no class of citizens which can not derive benefit from attendance at the state fair, and there is no class of citizens who do not owe it to themselves and their state to help make the state fair a success by the exhibition of such products as they can show, and by their personal presence on the grounds.

### The State Fair Educates.

SEC. H. L. COOK.

In these great agricultural states where the soil must yield the principal revenue for the support of the people, schools, state fairs and other influences that will advance the interests of



# THE FARMER'S TEN REASONS

C. N. COSGROVE, Secretary, Minnesota State Fair.

Farmer! You, on whom the prosperity of the nation really depends, have you ever stopped to consider of what direct and inestimable value the annual State Fair is to YOU? No other business man receives the same encouragement every year from the state. Isn't it up to you, then, to patronize the fair, to induce all your friends to do so, and to grasp this rich opportunity to benefit in mind and fortune?

Here are ten pointed questions on the subject, and you will do well to consider them carefully:

1. Why should every farmer attend his county and state fairs?
2. How do the state and county fairs of today compare with those of ten years ago?
3. What is the real object of a state or county fair?
4. Who is most largely benefited?
5. How does it help the live stock farmer?
6. How does it help the grain grower?
7. How does it help the fruit grower?
8. How does it help the poultry raiser?
9. How does it help the farmer's children?
10. How does it help the farmer's hired man?

If you cannot immediately put your answers into words, perhaps the following replies will express your ideas as they do ours:

Answer 1. The farmer owes himself an annual outing or vacation of at least one week a year. He owes it to his family. He owes it to his business to keep in touch with up-to-date ideas, to be progressive. The State Fair points the way.

Answer 2. There is no place on earth where the farmer can gain so much knowledge and information in the same time and for the same money as at a state or county fair. By all means, for your own education, attend the State Fair. If this is not possible, go to your county fair. Better still, go to both. Both the county and state fairs have many attractions unknown ten years ago. Demonstrations are being made continu-

ally in almost every department of scientific farming. Steam plows, improved grain gleaners, improved dairy machinery, lectures on various subjects. All these a man cannot witness without gaining much needed knowledge. Moreover, school exhibits are now important features of all the greater fairs, and no man, if he can possibly afford the expense of sending his children to the fair, can afford to deprive them of the valuable instruction such exhibits afford.

farmer by enabling him to see the very best of each breed of dairy cattle, and thus to decide what he should breed to and for. He can make a practical study of the best method of preparing his butter for market, for he sees all the latest improved machinery with which to manufacture butter and do everything connected with the dairy, including the automatic milker.

Answer 5. The fair helps the live stock farmer because here he sees to

he cannot fail to establish valuable business connections and to acquire much practical information.

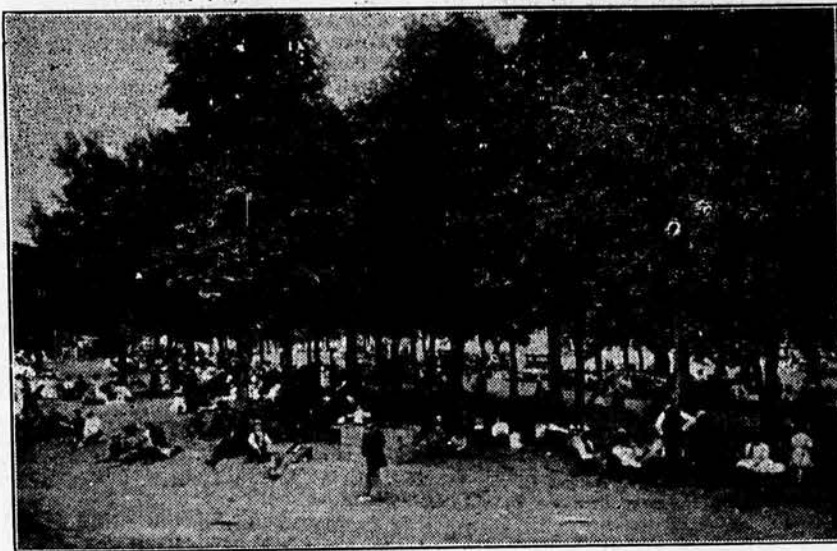
Answer 6. The fair helps the grain farmer because here he finds all the latest improved implements for the cultivation of grain of all kinds and under all conditions. He sees the better grades of grain that are exhibited, winning worthy prizes. Since he can meet and know who have brought the cultivation of grain to its highest perfection, profiting by the exchange of ideas, learning where and from whom he can secure seed at a reasonable price, he places in his own hands the means of making his work the more successful.

Answer 7. The fair helps the fruit grower because here he sees the various kinds of fruit grown in his locality. He learns valuable lessons in spraying and in the proper care of his trees, besides coming in contact with exhibitors and the best producers from all over the country.

Answer 8. The fair helps the poultry raiser because here he compares his own breeds with the various others of which there are over a hundred, brought for exhibition from all parts of the world. He learns which birds are best adapted to his locality and to his own special requirements. He learns the best methods of care, and he studies the results of scientific feeding as shown in the largest production of both eggs and meat.

Answer 9. The fair helps the farmer's son and daughter because no intelligent boy or girl can attend a county or state fair without a broadening of ideas, inspiring them to higher ambitions for success. They enjoy much honest amusement and absorb a vast amount of general information from the fair and all its departments.

Answer 10. Finally the State Fair helps the farmer's hired man because it teaches him how the simple application of "brains" can reduce the amount of labor needed to accomplish the farmer's task. He may own a farm himself some day, and the more he can comprehend and practice science in his work, making his brains save the labor of his hands, the greater will be his success in life.



PICNICING AT ONE OF THE BIG STATE FAIRS

Answer 3. The real object of the State Fair is, first of all, educational. Then amusements are furnished so as to give the farmer a change—a rest after his long months of hard work. "All work and no play" is no better for the farmer than for anyone else. Indeed, all classes are equally benefited by attending the fair, no matter whether poor or wealthy, farmer or mechanic.

Answer 4. The fair helps the dairy

what perfection the scientific breeding of cattle can be brought, and thus discern how his own stock can be greatly improved. He sees on exhibit the finest breeds, and can with benefit contrast them with those he has at home. Not only does he see the improved breeds, but he has also the opportunity to study the benefits to be derived from correct feeding. Coming in contact with the best breeders and feeders in the world,

## THE FARM AUTOMOBILE

Whatever may be the general opinion among farmers of the automobile as a practical farm machine, it is well understood that the manufacturers believe that the great field of their future operations is among the farmers. They feel that they have supplied to a very large extent the machines that are used purely for pleasure and are now planning to supply utility machines. These plans embrace two general branches of construction. Considering the pleasure vehicle as a fixed factor the demand for which will remain practically constant the new fields that are open to the manufacturer of automobiles embrace the city truck on the one hand and the utility car for the farmer on the other.

Every great American activity in business or manufacture has its basis in the soil and the manufacturers of automobiles consider that the farmer may be regarded as the back bone of their future industry. There are now over 6,000,000 farms in the United States, and 45,000,000 or our people live on them or in communities of less than 4,000 people. To these dwellers of the rural districts the automobile has already proved its immense value. Aside from its worth as a pleasure car it is an actual agency for progress and prosperity. It has been a powerful factor in the improvement of our rural highways, it has eliminated distance so that the farmer no longer leads an isolated life, and it has made accessible the conveniences of the city, while the owner retains the inestimable advantages of country residence.

The farmer is a natural mechanic. He uses the automobile because he needs it in his business. Out here in Kansas you can see him operating the alfalfa stacker, the stirring plow or the disk harrow by aid of his automobile. He can pull the road drag with it and operate the corn cutter and the dairy machinery. In the busy

harvest season or at threshing time, it has proved its value over and over by enabling the farmer to visit the nearby town for repairs without disturbing the work teams and without laying off the full force of hands for the day.

These things, however, are incidental. The time has not yet come and probably will not come when farms can be successfully operated without the aid of horses. Because of the seasons, however, these horses must be worked hard during part of the year

necessary for the operation of modern farm machinery in his trips to town. He must keep a driving team which of course can be used for light farm work also, or he must possess an automobile. With the present price of horses and the cost of feed compared with the efficiency of service it has been found that the automobile is cheaper than the team, as it does not eat when it does not work.

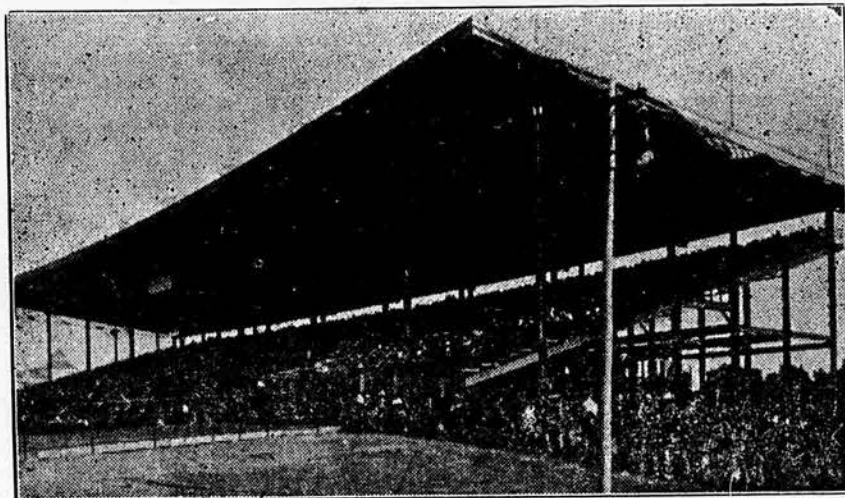
In all American history the curse of farm life has been its isolation. Its workers were set apart and a visit

has been a God-send to these people and this machine, in connection with the rural telephone and the rural free delivery, has done more to change farm conditions and arrest the exodus toward the cities than any other one thing.

The bicycle offered a means of more rapid transit but had no carrying capacity and was purely selfish. The motor-cycle gave greater opportunities but still provided for only one passenger. The automobile as now manufactured provides a means of pleasure for the farmer's whole family and serves to annihilate the distance between the town and country for social purposes and enables the farmer to bring his business more closely in touch with the merchants and bankers to his advantage. It has made rural life more attractive and offers the most powerful incentive yet discovered for keeping the boy on the farm.

Throughout the whole automobile industry today the farmer looms large in the manufacturer's outlook. More than 60 per cent of last year's output consisted of cars ranging in price from \$1,000 to \$2,000, and at such figures the farmer uses an automobile where higher prices would prevent him. It is stated that there are already in this country about 75,000 automobiles owned by farmers. One-half of the total number of cars in the state of Iowa are owned by farmers while statistics show that the farmers of Kansas spent last year more than \$3,000,000 for these buzz wagons. Those cities which distribute cars to the farmers are becoming the greatest markets for automobiles. Kansas City sold more than 10,000 cars in 1909 which was more than one-third of the total number disposed of in New York with many times its population.

These manufacturers do not expect the automobile to take the place of (Continued on page 8.)



WATCHING THE RACES

and remain practically idle during the balance. In the busy part of the season every ounce of energy that is available on the farm must be utilized in caring for and harvesting the crops. This requires a full force of horses and mules. After the fall wheat is in and the corn harvested, the live stock is either practically idle or some extra work must be found for it. Again, the average farmer finds it very impractical to use the heavy draft team

to a library, a church, an entertainment was an event for which preparation must be made and not a matter of regular occurrence such as should be true in the lives of any wide-awake and up-to-date Americans. Because of this isolation and hum-drum existence forced upon them by farm conditions more farm women went insane than any other class. This is not because of the hard work but because of the dreary monotony. The automobile

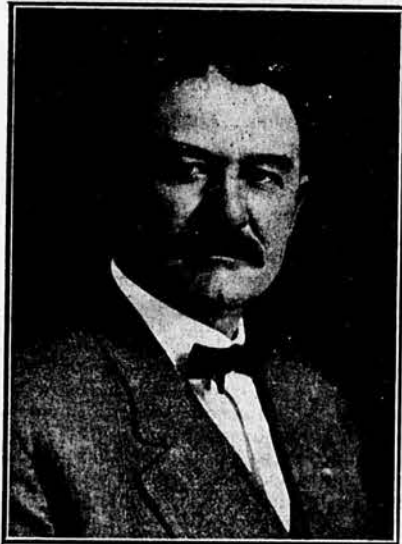


## Getting The Good of a State Fair

A. L. SPONSLER, Secretary Hutchinson State Fair

A state fair is an institution which touches the interest of all the men, women and children of the state. Its scope is so broad that nothing of importance escapes its attention. It is an educational institution or it is nothing. Of course it must have its entertaining features for both old and young, but taking a state fair as a whole it is educational in its tendency.

A state fair is an exposition of things people have done. It may be a magnificent draft horse some man has been able to produce; it may be an almost perfect type of a Short-horn, Angus or Hereford; it may be a Poland China, Berkshire or Duroc Jersey hog; it may be a sheep, a mule or any other breed of animal which the exhibitor brings before the people and challenges them to produce as good or better. There is little of the best left at any man's home when opportunity is afforded to show. It is a great thing for a man to produce a premium winner in any of the live stock departments. It is an honor and a credit justly due and is the re-



A. L. SPONSLER.

sult of years of careful and studious effort. Scrubs never excel. In all the breeding carried on by the farmers and stock raisers nowadays, the pure bred sires are sought for because their blood enhances the value of any band, herd or flock. It creates a desire in the mind of every progressive man and especially the young men, to produce something like what they are looking at. As a result more good blood is disseminated and more profit is made by the breeders of both the show stock and the producers for the more common purposes. The man himself is proud, and the people are proud of the man who can lead a typical standard bred horse into the ring. The same may be said of other men producing other kinds of live stock.

The farmer who can produce state fair premium corn, wheat, oats, rye, barley or any other cereal or vegetable, at once comes into more than local prominence. He is sought for by seed dealers and the rank and file of the public even beyond his own state. The very fact that these requests for seed are made proves the value of his exhibiting because there is a general demand upon the part of every farmer to produce the best. If a farmer believed he could raise one more bushel of corn per acre by securing a certain seed, he would certainly secure that seed. Like a man who has learned that the easiest pound of beef or pork that can be produced is that which is bred upon the animal, so it is with cereals and vegetables. That which produces the highest quality usually produces the most for the effort expended. The same may be said of machinery. They which will serve the purpose best, endure the most, and resist the tug and strain of hardships and save labor will be the machine most sought for. He who can show the good points of his machine at a state fair, finds he has accomplished a great deal by showing it to the public.

The department in which the ladies are especially interested—such as textile fabrics, art, kitchen and dairy, floriculture and all the varied things that go to make home life pleasant, comfortable and frugal, is of supreme interest to that side of the family

Many an idea is picked up and many a lesson learned by the ladies examining the exhibits in these various departments.

The racing department is one which, unless properly conducted, is looked upon with disfavor by a portion of the public, but when it is understood that the great American horse, called the Standard Bred, has been produced by this method there is less about it to condemn. It means that the horse carrying the blood of illustrious ancestors, who, themselves, were tried out in years gone by in like speed contests, must be fittest to survive. The winners in these races are the ones sought for by breeders to perpetuate their kind and breed on to better, and produce horses qualified to endure still greater contests. Horses that are built with strength of bone and tendon, with ambition and nerve force to win in the speed contests when properly trained have the vitality to live long years. The great stallion Allerton (died just this month at 24) held the world's record as a colt and was tried out in many a heated contest until he became famous throughout the world and founded a family of standard bred horses that will live on through all equine history.

It therefore, logically follows that regardless of the vocation of the man he is interested in the state fair. I dare say there is not a banker in the state who would not be willing to loan a young man of ability and right habits money to raise good stock or buy the best seed for his farm. The merchant is interested in the prosperity of all the people because it is out of their earnings that he makes his profit. The men who build cities and towns, the men who build railroads and steamship lines are all interested in the betterment of things and the man who produces. The scientist who can make two blades of grass grow where one grew before deserves a pension and a monument. Likewise he who can produce anything better than anybody else, reaps his reward by exhibiting because the people as a whole are his buyers, and they buy because they are convinced of the superiority of his exhibit and he is in reality a public benefactor. He who hides his light under a bushel had as well never been born.

No state fair is complete without its entertaining features. The music enlivens the occasion but there must be some shows and feats of daring or cleverness and some sleight of hand and hocus pocus, some sight seeing shows and a little of this and a little of that of a light entertaining character that may be indulged in to make the fair enjoyable to all. But all educated man. It not only gives him a shows must have a moral tone equal

## Value of a College Education

C. T. ADAMS, President Highland College, Highland, Kan.

"Will it pay to go to college?" This is a question that is being asked by many a young man at this time of year. (This applies to young women as well.) He has a right to ask it. Time is too precious and life nowadays too strenuous to waste any time. He cannot afford to waste any time. A college course means expenditure of hard earned money and much hard work as well as several years of valuable time. The opinion of all those who have been to college, and nine-tenths of mature men who are not graduates, will tell you that it does pay and that it pays the largest dividends of any investment that can be made.

The advantages of a college course are many and we can only speak of a few here.

First, it gives to a young person several years of unalloyed happiness. While college life should be strenuous and earnest, it should be filled with pleasure and the friendships formed are the strongest and are a delightful memory all through life.

Second, it makes every true young man and woman rich in the noblest, truest, best friends that life ever knows. In college halls are gathered the choicest young people of our country. Nowhere else can be found such numbers of warm-hearted, moral, ambitious, earnest and true young people as are those in our colleges. The warmest, truest, best, most enduring friendships are formed here. In after life it will mean much to have these friendships, as among your companions here are those who a few years hence will fill the positions of honor and trust in America.

Third, one gains a vast amount of real useful information. It is a common thing for shallow and ignorant people to make light of what they term the "pedantry," and "useless ornamental nonsense" of a higher education. During a college course one has opened up to him the vast fields of knowledge, all of which invite him to enter. It is but little that he can learn in the few years which he devotes to a college course, but he does learn that of which the masses are in profound ignorance, namely, how much there is to be known, and how little of it he knows or can know in a short life time.

Fourth, the training and discipline acquired in the mastery of a college course gives an efficiency and power which can be acquired in no other manner. That "knowledge is power," is clearly shown by the ability of its possessors to attain results which are impossible to the uneducated man. It not only gives him a

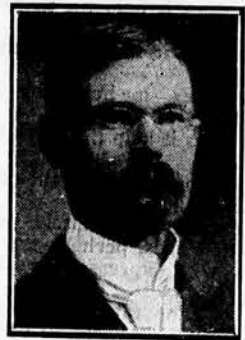
to the average morality of the people attending. This is a safe proposition because he who is better than the average people ought to move out of the state, and he who is below the average morality of the people should not influence the character of public entertainment anywhere.

Not the least benefit of a great state fair is its social advantages.

better chance to try for the larger and more remunerative positions, but gives him an ability to master details and to accomplish ends which were to him impossible without education.

Fifth, an education rubs off the rough corners of speech and manner, and gives a grace and ease—a refinement and culture which are not only a passport to their possessor into the best society, but give a charm and beauty to life which were else unattainable. It is not a "polish" from without, but a growth from within which makes the true lady or gentleman. This the studies and environment of college life aid in securing. It is the process by which the crude ore, or the rough and coarse pig-iron is transformed into the watch spring.

Professor Hanus, says, "The refined pleasures of life are found in the ability to participate with intelligence and appreciation in the intellectual and aesthetic interests of cultivated men. These



C. T. ADAMS.

pleasures, like most of the inspiration to worthy living in the pursuit of the serious purposes of life, are brought within the reach of men through general culture." This culture is found in our small colleges where the student comes in contact with his professor. Garfield once said that a college was Mark Hopkins on one end of a log and himself on the other. No greater tribute could be paid to the professor.

The purpose of the college is to give to its students a complete education. It has a three-fold aim. This includes the education of the mind, body and soul. All other education is one-sided and dangerous. It has never lost sight of the object for which it was founded. Our standard is high and we mean to turn out only the best products.

Verily no investment will insure so large and so satisfactory dividends as the investment in a college education.

Many and many a friend meets friend whom otherwise might never meet at all. It has a tendency to get people out of ruts and to make them broad-minded and liberal. They think more of their country, more of their state and more of their home. The experience of attending a great state fair for a couple of days is never forgotten, which proves its benefit.



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## ITEMS FROM KANSAS FARMER OF 1863

## Kansas Prosperity.

"From present indications, the year of 1863 is to be to Kansas the most prosperous of any since its settlement. From nearly all portions of the state we hear that refreshing rains have fallen just in the right time to aid the wheat that is now growing so finely, and also to moisten the earth, that the farmers can prepare the ground for the cultivation of other crops. The breadth sown of wheat is much larger than any former year. The scarcity of labor has, in a measure, been remedied by the influx of the cause of the war, the negro, who is willing to assist for a slight compensation, in the development of the resources of the state.

The border counties of both states, and particularly in Missouri, are almost uninhabited, yet they are the garden of the West. The passage of the army and frequent raids of guerrillas have driven off the settlers and desolated many farms, but these raids are at an end. The war will be carried on beyond the borders of Kansas and Missouri.

Our agricultural interests were never in better condition. Should the season be favorable, the addition of two comparatively new products now in great demand by the civilized world will add thousands of dollars of wealth to the state. We refer to cotton and tobacco. At least 1,000 bushels of cotton seed will be planted this year, and of tobacco we can form no estimate.

"W. Beckwith of Olathe writes under date of May 22, 1863, that Johnson county, 'even now, has too stormy a time of it to deserve censure for being backward in internal improvements. When men are fearing the thief and assassin, both by the way and at their own homes, and meeting him, too, as every town in this county has met them, no censure can be just for a neglect in any matter which is not absolutely indispensable. Thanks to Providence, the spring thus far betokens a season of unusual fruitfulness, and so the farmers who have not fled are laboring in hopes. Less seed is being put in because there are less men here than in former years.'

"At the commencement of the meeting of the Agricultural Society, it had but a single life member. Now it numbers upon its roll upwards of 100 life members, embracing a large share of the intelligent, enterprising and public spirited men of the state. It has received an appropriation of \$1,000 from the State Treasury in furtherance of its objects, and has elicited facts of the greatest importance in developing the resources and promoting the prosperity of the state. The members have shown conclusively that Kansas today presents greater attractions to men of small means but willing hands, who are seeking for homes in the far West, where they can rear and educate their children to a life of honest industry and independence, than any other state in the Union. It has been shown that the soil and climate of Kansas is admirably adapted to the growth of the great staples, hemp, tobacco, flax and wine, while cotton, if not permanently profitable, can be raised with immense profit as long as the present high price shall continue."—(Extract from the address of President L. D. Bailey, Emporia.)

"The interest which has been taken in agriculture is one of the most encouraging signs of the times in our state. It shows that our people are turning their attention in the right direction. Kansas has hitherto paid altogether too much attention to politics and too little to her own development. In the early days of our history there was an excuse for this, but now we are rejoiced to see the public mind turn into other channels. Another significant item is that almost every man in the state who has accumulated money by a connection with the army in some form or other, and Kansas has had her share, is investing in farming land; not to lie idle for speculative investments, but to put into active use in the operation of agriculture."

Hon. C. B. Lines of Wabaunsee county threshed 960 bushels of grain in two days last week. Of this 625 bushels were wheat, which averaged 24 bushels to the acre, and 335 bush-

els of oats, averaging 40 bushels to the acre.

The premium list of the First Annual Fair, held by the State Agricultural Society, at Leavenworth, in the first week of October, 1863, has some curious features. In the horticultural department, a full premium list is given for native wines. In the live stock department, premiums are offered for Short Horned cattle, thoroughbreds; for Devon thoroughbreds, milk cows, fat cattle of any breed, and work oxen. The classification for breeding horses includes thoroughbreds only, while another classification is given for roadsters and horses of all work, and another for carriage and saddle horses. In swine, premiums are offered for Berkshires, Cumberlands, Yorkshires, Woburns, Irish, Magie, Suffolk, Essex and China.

S. E. G. Holt of Emporia has a yew that produced two lambs in January, 1860, two more the next August, and two in February, 1861, and raised them all. This makes six lambs in less than 13 months. Who can beat it?

Mrs. Bunker of Topeka raised some clean picked cotton at the rate of 600 pounds per acre. Mr. Little of Fremont, Lyon county, has about 10 acres of cotton which looks well, but the sod cotton in the best.

Judge Miller of Lawrence has 15 acres of hemp, the best of which stands over 12 feet high. Mr. Farnsworth of Topeka has about the same amount, and we hear of many other fields in almost every county in the state, Atchison and Doniphan taking the lead. We entirely agree with Captain Christian of Lawrence that the hemp crop in Kansas is likely to prove far more profitable than cotton. Mr. Farnsworth estimates that his hemp last year paid a profit of \$33 per acre, after paying for all labor at cash prices. This is a fair profit where good land can be bought at from \$2 to \$10 per acre.

From various parts of the state we learn that the tobacco crop promises a large yield. Much difficulty was experienced in procuring plants, a large portion of the seed having failed to germinate. The seeds sown on land prepared after the Kentucky fashion, by burning off log or brush heaps, failed pretty generally, while seed sown in the garden, like cabbage, frequently grew well. The returns from Linn county show 76 acres in tobacco, and we hear of a field of 20 acres in Atchison, and smaller fields everywhere. Mr. A. D. Reed on Tecumseh creek, six miles from Topeka, has an acre in tobacco, which he estimates will yield 2,000 pounds. He thinks this will bring him from \$1,000 to \$1,200.

Frank McCoy of Doniphan county threshed out 14 acres of wheat this year, which yielded an average of 44½ bushels to the acre.

Morris Hartman of Douglas county has sent to the agricultural room of the State Auditor's office a sample of oats which measures 6 feet 3 inches high, and 16 stalks from one kernel.

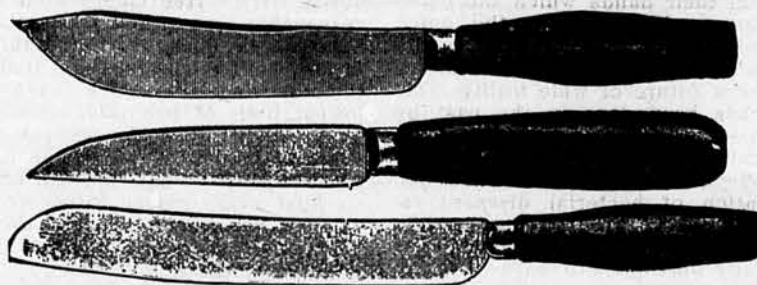
An auction sale of stock will be held daily at the state fair. This will afford a rare opportunity for farmers to purchase improved stock. The Lyon County Agricultural Society offers the Kansas Farmer as a premium on many articles. This is a wise measure, which we hope will be imitated by many other societies.

Man can do well with a small flock of sheep if they are left to rough it, but with a flock of a few hundred head, I am confident that best returns will be derived from flocks well grained. I allow one pound of corn per day and one and one-fourth pounds of hay for each sheep for five months. With corn at 20 cents per bushel and hay at \$4 per ton, this will make the cost of feed for one sheep about \$1 per head for the winter.

"The immigration from the border states has been large. Staunch Union men could not live with the Rebels, and have brought their families, flocks and herds to make their homes with us. This class of people is desirable. They are industrious, have means, and will make good citizens."

Dr. E. H. Phelps, of Atchison, has some 15 acres of tobacco in cultivation. He thinks he will clear \$100 per acre on it.

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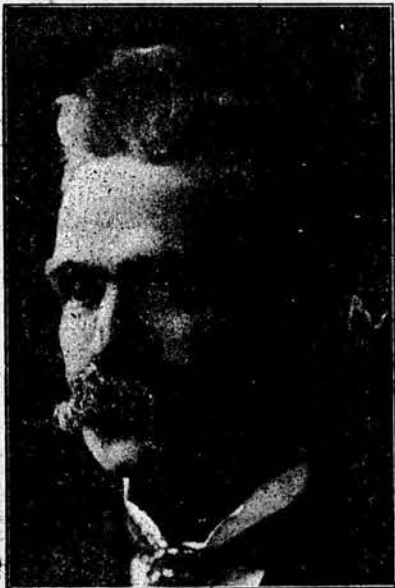
MISSOURI SEED CO., Kansas City, Mo.



## The Farm Automobile.

(Continued from page 5.)

the horse on the farm but they do expect that the farmer will appreciate the fact that the automobile has a place in their hands which the horse can not readily fill. In the quick transmission of milk, cream, butter, garden products and fruits, the motor car has a future of wide utility. This work has been done in the past by the horse but the times demand quicker service while the pure food laws and our own knowledge of the dissemination of bacterial diseases require a quicker transport of such highly perishable articles. The merchants of the city were quick to realize the advantages of the motor driven vehicle as an active factor in their business relations, and the more one studies the question the more one can see the immense possibilities for the automobile on the farm. With its general



SEC. C. N. COSGROVE

Minnesota State Fair, Hamline, Minn.

use is sure to come the improvement of the country highways. Greater all around efficiency for the farmer, his help and his teams, is secured by its use.

The use of the automobile may even serve to enlarge the area of land under cultivation in the United States. It is said that there are more than 400,000,000 acres of land that is capable of producing crops which now lies idle because of its inaccessibility. A portion of this at least can be rendered accessible by aid of the motor driven car. There are three post-offices in Kansas which are more than 50 miles from a railroad. They are said to be located in countries that are available for cultivation to a much larger extent than now, and their very existence indicates that this is so. They remain small and isolated, however, because of their inaccessibility. Motor driven vehicles would serve to bring these communities into closer touch with the busy world and help to solve the problem of a greater production of farm crops by a greater development of the country surrounding them.

The automobile is not a toy although the time is not long since it was one. It has developed numerous lines of industry that are auxiliary to it. New forms of steel have been invented and new processes of manufacture devised. The creation of the enormous number of tires in use today has made a heavy draft upon the cotton crop of the south, especially that kind known as "Sea Island" cotton. It has wielded a magic touch on the rubber industry until this has become a giant in itself. One of the most remarkable things that has been accomplished in trade relations, outside of the manufacturer of automobiles and their accessories, is the enormous increase in the use of gasoline, which has in turn caused an equally large increase in residuum oils suitable for road building. It thus happens that with the very general use of the automobile has come a universal demand for better roads, and the manufacture of the gasoline necessary for the propulsion of the automobile has served to furnish as a by-product one of the best possible materials for the building of these good roads.

No manufacturer expects that the total output of automobiles for the year 1910 will equal that of the preceding year but all are sure that the automobile is here to stay. It

has become a permanent thing in American life. The methods under which the industry has grown up would seem to indicate that it can never be assimilated by any great trust and thus free competition is insured. With free competition comes reasonable prices, and the best thing that can be done by the manufacturers for both themselves and their customers, when they have reached the lowest limit of profitable production, is to stand by their present agreement to furnish a better car for the present price. That this will be done we have every reason to expect. Competition will compel it, and the man who would stay in business must meet his business competitors with as good or better proposition than they can offer.

## Where the Beef Comes From.

Texas holds its rank as the first cattle state in the Union, having 7,131,000 of 47,279,000 head, valued at \$109,104,000 or \$15.30 each. The nearest competitor of the Lone Star State is Iowa, which has 3,611,000 head, worth \$22.50 each, or \$80,104,000 for all.

The third on the list is another state that is generally considered strictly an agricultural community—Kansas—where 3,260,000 cattle are worth \$23.70 per head, \$77,262,000. Nebraska, another farming state, is fourth, with 3,040,000 head, which at \$21.90 are worth \$66,576,000.

Illinois, first in corn crops and first in horses, and second in the combined live stock value, is fifth in cattle, having 1,974,000 head, worth at \$26.40 each, \$52,114,000.

These are the only states which have more than \$50,000,000 worth of cattle, although Missouri comes near the mark with 2,165,000, which at \$22.60 each amount to \$48,929,000.

Oklahoma is seventh with \$31,430,000; South Dakota eighth, with \$28,832,000; Indiana ninth, with \$24,990,000; Ohio tenth, with \$23,512,000; Michigan is twelfth, with \$17,816,000; Wisconsin is thirteenth, with \$17,728,000; Pennsylvania is fourteenth, with \$17,606,000; Minnesota is fifteenth, with \$17,500,000; New York is sixteenth with \$16,180,000; Kentucky is seventeenth, with \$14,234,000; North Dakota is eighteenth, with \$12,028,000, and Tennessee is nineteenth, with \$7,797,000.

The 47,279,000 cattle in the United States are worth an average of \$19.11 each. There are 2,100,000 fewer than in 1909, and they are worth \$1.92 per head more. The highest valued cattle are in Montana, where they are worth \$27.40 each, and the lowest are in Mississippi, \$8.40.

The milk cows have not been separated from other kinds of cattle in estimating the total number of cattle in the world, but of the cattle and milk cows the United States has about one-sixth, having a total of 70,000,000 head. British India is the first cattle country, with 91,000,000 head, in which are included some 15,000,000 buffaloes. Russia is third, with 36,000,000 head; Argentina and Brazil are fourth and fifth, with about 30,000,000 each.

There are about 21,000,000 buffaloes in the world, which are figured in as cattle making up the estimates of the world's stock. These are practically all in British India and Africa.

Be sure that your stock of all kinds is supplied with salt. This is even more important during the grass season than any other. If you don't believe it just let your cows run without salt and then try to do the churning yourself.

## OFFICIAL KANSAS GRADES.

Under provisions of chapter No. 222, Laws of 1907, the Grain Grading Commission appointed under said act met pursuant to published call at the governor's office in Topeka, Kan., on the 25th day of July, 1910, and established the following grades of grain to be known as Kansas Grades, to be in effect on and after the 1st day of August, 1910.

G. W. Glick,  
J. G. Maxwell,  
Thomas Page,  
Grain Grading Commission.

## RULE 1.

Wheat which has been subjected to "scouring," or to some process equivalent thereto, or containing an objectionable amount of rye, shall not be graded higher than No. 3.

## GENERAL RULE.

All wheat, corn, oats, barley, rye and Kaffir corn that is in a heated condition, souring, or too damp to be safe for warehouse or that is badly bin-burnt, fire-burnt, fire-smoked, or badly damaged, mixed with garlic, onions, or containing live weevil, exceedingly dirty, or where different kind of grain are badly mixed with one another, shall be classed as Sample Grade, and the Inspector shall make notation as to quality

and condition, and whenever it is evident that wheat screenings, or other dirt has been mixed into wheat, the same shall not be graded better than "Sample Grade."

## "FLUGGED CARS."

Inspectors shall in no case make the grade of grain above that of the poorest quality found in any lot of grain inspected, where it has evidently been "plugged" or otherwise improperly loaded for the purpose of deception.

## REASONS FOR GRADING.

All inspectors shall make their reasons for grading below No. 2 fully known by notation on their reports. The weight alone shall not determine the grade.

## THE WORD "NEW."

The word "New" shall be inserted in each certificate of inspection of newly harvested wheat until September 1 of each year.

## REINSPECTIONS.

All orders for reinspections MUST be in the office within the first 48 hours following the original inspection and in no case will grain be reinspected after a lapse of 3 days from date of the original inspection.

## KANSAS HARD WINTER WHEAT.

No. 1 Hard—Shall be hard winter wheat, sound, dry, plump, and well cleaned, and shall weigh not less than sixty-one pounds to the bushel.

No. 2 Hard—Shall be sound, dry, clean hard winter wheat, and shall weigh not less than fifty-nine pounds to the bushel.

No. 3 Hard—Shall be hard winter wheat sound, dry, may be some bleached, but not clean or plump enough for No. 2, and shall weigh not less than fifty-six pounds to the bushel.

No. 4 Hard—Shall be hard winter wheat, tough, sprouted, or from any cause so badly damaged as to render it unfit for No. 3 Hard.

## KANSAS TURKEY WHEAT.

Hard winter wheat of the long berry, dark amber colored type of the Turkey varieties, shall be classed as No. 1 Kansas Turkey Hard Wheat; No. 2 Kansas Turkey Hard Wheat; No. 3 Kansas Turkey Hard Wheat; No. 4 Kansas Turkey Hard Wheat, and inspection certificates issued accordingly, and the same specifications for each of these grades shall be the same as for Kansas Hard Winter Wheat of the same grade.

## RED WINTER WHEAT.

No. 1 Red—Shall be bright, sound, plump, dry and not weigh less than sixty pounds to the bushel.

No. 2 Red—Shall be sound, dry and clean and not to contain more than 5 per cent of Hard Winter or White Winter wheat and weigh not less than fifty-nine pounds to the bushel.

No. 3 Red—Shall be sound, not clean or plump enough for No. 2, shall contain not more than 8 per cent of Hard Winter or White Winter Wheat, and weigh not less than fifty-six pounds to the bushel.

No. 4 Red—May be damp, musty, or skin burned and contain not more than 10 per cent of Hard Winter or White Winter wheat, must be cool and weigh not less than fifty pounds to the bushel.

## WHITE WINTER WHEAT.

No. 1 White Winter—To be bright, sound, dry, plump and well cleaned White Winter Wheat, and weigh not less than fifty-eight pounds to the bushel.

No. 2 White Winter Wheat—To be sound, dry, clean White Winter Wheat and weigh not less than fifty-six pounds to the bushel and may contain not more than 8 per cent of Red Winter Wheat.

No. 3 White Winter—Shall include all varieties of White Winter Wheat. It may contain 5 per cent of damaged grains (not bin burned); 10 per cent Red Winter Wheat and weigh not less than fifty-three pounds to the bushel.

No. 4 White Winter—Shall include all varieties of White Winter Wheat, damp, musty or dirty and not more than 10 per cent of Red Winter Wheat and weigh not less than fifty pounds to the bushel.

## NORTHERN HARD SPRING WHEAT.

No. 1 Northern Hard Spring—Must be northern grown spring wheat, sound, dry and clean, more than fifty per cent of the hard varieties, and weigh not less than fifty-seven pounds to the bushel.

No. 2 Northern Hard Spring—Must be northern grown spring wheat, not clean or sound enough for No. 1, more than fifty per cent of the hard varieties, and weigh not less than fifty-six pounds to the bushel.

No. 3 Northern Hard Spring—Must be northern grown spring wheat, of inferior quality, more than fifty per cent of the hard varieties, and weigh not less than fifty-four pounds to the bushel.

No. 4 Northern Hard Spring—Shall include all inferior northern grown spring wheat that is badly shrunken or damaged, more than fifty per cent of the hard varieties, and weigh not less than forty-nine pounds to the bushel.

## SPRING WHEAT.

No. 1 Spring—Shall be bright, sound and well cleaned spring wheat, weighing not less than fifty-nine pounds to the bushel.

No. 2 Spring—Shall be sound, clean, of good milling quality and weighing not less than fifty-seven pounds to the bushel.

No. 3 Spring—Shall include all inferior shrunken or dirty spring wheat and weigh not less than fifty-five pounds to the bushel.

No. 4 Spring—Shall include all spring wheat that is damp, musty, sprouted or for any cause which renders it unfit for No. 3, and must not weigh less than fifty pounds to the bushel.

## WHITE SPRING WHEAT.

The grades of No. 1, 2, 3 and 4 White Spring Wheat shall correspond with the grades No. 1, 2, 3 and 4 Spring Wheat, except that they shall be of the White variety.

## DURUM (Macaroni) WHEAT.

No. 1 Durum—Shall be bright, sound, dry, well cleaned Durum wheat commonly known as Macaroni wheat, and weigh not less than sixty pounds to the bushel.

No. 2 Durum—Shall be dry, clean and of good milling quality, and weigh not less than fifty-eight pounds to the bushel.

No. 3 Durum—Shall include all Durum wheat bleached, shrunken, or for any cause unfit for No. 2, and weigh not less than fifty-five pounds to the bushel.

No. 4 Durum—Shall include all Durum wheat that is badly bleached, smutty, tough, and weigh not less than fifty pounds to the bushel.

## PACIFIC COAST RED AND WHITE WHEAT.

No. 2 Pacific Coast Wheat—Shall be dry, sound, clean, may be tainted with smut and alkali, and weigh not less than fifty-eight pounds to the bushel.

No. 3 Pacific Coast Wheat—Shall include all other Pacific Coast Wheat, may be smutty, or musty or for any cause unfit for flouring purposes and weigh not less than fifty-four pounds to the bushel.

NOTE—In case of mixture of Red or White Pacific Coast Wheat with our home wheat, such mixture shall be graded Pacific Coast Wheat.

## MIXED WHEAT.

In case of an appreciable mixture of hard and soft wheat, red and white wheat, Durum and spring wheat with each other, it shall be graded according to the quality thereof, and the kind of wheat predominating shall be classed as No. 1, 2, 3 or 4

mixed wheat, and the Inspector shall make notation describing its character.

## RYE.

No. 1 Rye—Shall be plump, sound, dry and free from other grain, well cleaned.  
No. 2 Rye—Shall be plump, sound, clean.  
No. 3 Rye—May be shrunken, bleached and not clean enough for No. 2.  
No. 4 Rye—To include all tough, musty or dirty rye unfit for No. 3.

## OATS.

No. 1 White Oats—Shall be pure white oats, dry, sweet, sound, clean and free from other grain.

No. 2 White Oats—Shall be seven-eighths white, sound, dry and contain not more than 1 per cent each of dirt or foreign matter or 8 per cent of other grain.

No. 3 White Oats—Shall be seven-eighths white, sound, dry, not more than three per cent of dirt or foreign matter, nor five per cent of other grain.

No. 4 White Oats—Shall be seven-eighths white, tough, musty, or from any cause unfit for No. 3.

## RED OATS.

The grades of No. 1, 2, 3 and 4 Red Oats shall correspond with the grades of No. 1, 2, 3 and 4 White Oats, except that they shall be of the Red variety.

## MIXED OATS.

No. 1 Mixed Oats—Shall be mixed oats of various colors, dry, sound, sweet, clean, and free from other grain.

No. 2 Mixed Oats—Shall be mixed oats of various colors, dry, sound, sweet and not contain more than 2 per cent of dirt or foreign matter or 3 per cent of other grain.

No. 3 Mixed Oats—Shall be mixed oats of various colors, sweet, shall not contain more than 3 per cent of dirt or foreign matter or 5 per cent of other grain.

No. 4 Mixed Oats—Shall be mixed oats, tough, dirty, or from any cause unfit for No. 3.

## STANDARD WHITE OATS.

Shall be seven-eighths white, sound, sweet and shall not contain more than 3 per cent of dirt or foreign matter or 5 per cent of other grain.

## PURIFIED OATS.

All oats that have been chemically treated or purified shall be classed "PURIFIED OATS," and inspectors shall make note of the same on certificates of inspection.

## BARLEY.

No. 1 Barley—Shall be sound, bright, sweet, clean and free from other grain.

No. 2 Barley—Shall be sound, dry and of good color.

No. 3 Barley—Shall include shrunken, stained, dry barley unfit to grade No. 2.

No. 4 Barley—Shall include tough, musty, dirty barley.

## SPELTZ.

No. 1 Speltz—Shall be bright, sound, dry and free from other grain.

No. 2 Speltz—Shall be sound and dry and not contain more than 10 per cent of other grain.

No. 3 Speltz—Shall be dry, not sound enough for No. 2 and contain not more than 10 per cent of other grain.

No. 4 Speltz—To include all speltz that is dirty, musty or tough.

## CORN.

The following maximum limits shall govern all inspection and grading of corn

Grade	Percentage of moisture	Percentage rotten exclusive of bin burned	Percentage dirt and broken grains
No. 1	15	1	1
No. 2	15.50	5	5
No. 3	18	10	10
No. 4	22	..	..

## WHITE CORN.

No. 1 White Corn—Shall be pure white corn and sweet.

No. 2 White Corn—Shall be fifteen-sixteenths white, sweet.

No. 3 White Corn—Shall be fifteen-sixteenths white, sweet.

No. 4 White Corn—Shall be fifteen-sixteenths white, but shall include tough, musty and damaged corn.

## YELLOW CORN.

No. 1 Yellow Corn—Shall be pure yellow corn and sweet.

No. 2 Yellow Corn—Shall be seven-eighths yellow and sweet.

No. 3 Yellow Corn—Shall be seven-eighths yellow and sweet.

No. 4 Yellow Corn—Shall be seven-eighths yellow, but shall include tough, damaged or musty corn.

## MIXED CORN.

No. 1 Mixed Corn—Shall be corn of various colors and sweet.

No. 2 Mixed Corn—Shall be corn of various colors and sweet.

No. 3 Mixed Corn—Shall be corn of various colors and sweet.

No. 4 Mixed Corn—Shall be corn of various colors, but shall include tough, damaged or musty corn.

## KAFFIR CORN.

No. 1 White Kaffir Corn—Shall be pure white of choice quality, sound, dry and well cleaned.

No. 2 White Kaffir Corn—Shall be seven-eighths white, sound, dry and clean.

No. 3 White Kaffir Corn—Shall be seven-eighths white, not dry, or clean, or sound enough for No. 2.

No. 4 White Kaffir Corn—Shall be seven-eighths white, tough, damaged, musty or dirty.

## RED KAFFIR CORN.

The grades of No. 1, 2, 3 and 4 Red Kaffir Corn shall correspond with grades of No. 1, 2, 3 and 4 White Kaffir Corn, except that they shall be of the Red variety.

## MIXED KAFFIR CORN.

No. 1 Mixed Kaffir Corn—Shall be mixed Kaffir Corn of choice quality, sound, dry, and well cleaned.

No. 2 Mixed Kaffir Corn—Shall be mixed Kaffir Corn, sound, dry and clean.

No. 3 Mixed Kaffir Corn—Shall be mixed Kaffir Corn, not clean, dry or sound enough for No. 2.

No. 4 Mixed Kaffir Corn—Shall be mixed Kaffir Corn, tough, musty or dirty.

## MILO-MAIZE.

No. 1 Milo-Maize—Shall be Milo-Maize of choice quality, sound, dry and well cleaned.

No. 2 Milo-Maize—Shall be Milo-Maize that is sound, dry and clean.

No. 3 Milo-Maize—Shall be Milo-Maize that is not dry, or sound enough for No. 2.

No. 4 Milo-Maize—Shall include all Milo-Maize that is tough, musty or dirty.

The foregoing are the rules adopted by the Kansas Grain Inspection Department, establishing a proper number and standard of grade for the inspection of grain; the same to take effect on and after August 1, 1910, in lieu of all rules on the same, subject heretofore existing.

D. R. GORDEN,  
Chief Inspector.

306 Husted Building, Kansas City, Kan.



# THE FARM



What class of stock on the American farm today is paying a better profit on the investment than the raising of draft horses? From weaning time to maturity the draft horse is a ready money and there has never been so great a demand upon our breeders and importers for pure bred breeding stock that they cannot readily supply the demand. Never in American history have draft horses sold so well as now and yet the cost of raising them is little, if any, greater than that of raising scrubs.

All the hemp fiber produced in this country is used in American mills, and as increasing quantities are being imported, a market for a larger home production is offered. Therefore, the circular recently issued by the U. S. Department of Agriculture on the "Cultivation of Hemp in the United States" in which climate, soil, sowing, harvesting the plant, and methods of preparing the soft gray or yellow bast fiber are described and explained, should prove of interest to farmers in those sections of the country outside of the recognized hemp growing region where soil and climate seem to offer a prospect favorable to its production.

State Food Inspector John Kleinhans is also the official inspector of public scales. He reports that about one-third of the scales inspected are "off" and some of them badly so. Eighteen wagon scales were lately inspected in Hutchinson and seven were found to be correct, seven were condemned and the other four were passed though not "sealed" as accurate. The dealers are anxious for this official inspection as they want to know "where they are at" as the scales may be cheating them. Of course the consumers want to know that the scales are right and now they have only to notice whether they are tagged as condemned or have the official seal showing their accuracy.

I have been an almost constant reader of the Kansas Farmer since the early 90s, when my father first subscribed for it. My first real interest in the paper began in 1895, when my father purchased a colony of bees in which I took a lively interest. As I had not a dangerous amount of knowledge about bees, the apriary department of the paper was a source of interesting and valuable information to me. Later, when I left the bees at home and turned my attention to dairying, the dairy and live stock pages were my favorites, though the departments devoted to general agriculture problems were always read and appreciated. At present, I am with the Insular Bureau of Agriculture in the land of our "Little Brown Brothers." They are not my brothers. Tropical agriculture is my special study, and, while the Kansas Farmer is read largely as an old friend and because I want to keep abreast of the times there, and know as to the whereabouts and doings of such men as Professors Kinzer and Tenbyck and the stock breeders of the state, there is very much in the paper that applies in the Philippine Islands as well as in Kansas. I think there is no farmer in Kansas or the adjoining states who cannot find in every issue of the Kansas Farmer some thought or suggestion that means money to him; some article that will apply directly to his farm as he operates it. As diversified farming increases, which it is sure to do, many others will find that they are interested in several departments of the paper.—W. N. B., Bureau of Agriculture, Manila, P. I.

EDITOR KANSAS FARMER:—Would like to have your advice about my grapes; there is a green jointed worm about an inch long that is eating them.—has eaten all the grapes and also the leaves. There was some of the worms in them last year but not so many. Is there anything I can do to destroy them? If so, will you please

let me know through the KANSAS FARMER.—K. Fischer, Longford, Kan. It is impossible to identify the insect from the description given by our subscriber but we would suggest that he thoroughly spray the vines with arsenate of lead mixed in the proportion of 3 or 4 pounds to 50 gallons of water. Prof. Harry Evans of the Department of Entomology of the Kansas State Agricultural College very kindly offers to identify this insect and suggest methods of handling it if Mr. Fischer will send him some of them to Manhattan.

## Plowing Under Alfalfa.

EDITOR KANSAS FARMER:—I want to plow up eight acres of alfalfa this fall. Would it be better for the land and following crops to plow under a crop of green alfalfa, say six inches tall, than to put on a good coat of manure?—Abram Brechbill, Jr., Detroit, Kan.

Many men hesitate to plow under a crop of alfalfa when the hay is worth its present price and when they have or may have on hand a good supply of manure that must be used somewhere. The good of the land in future years will undoubtedly be enhanced by the plowing under of a short crop of alfalfa for the reason that all of the nitrogenous matter of the plants will be saved for the benefit of future crops and the mechanical condition of the soil will be improved as can be done in no other way. Manure will do good and all of it that can be gotten should be used but the value of green manuring, especially with alfalfa, has never been fully appreciated.

Immediate results are sought after, of course, but the conservation of the soil fertility is now a national problem as it never was before and green manuring is a most valuable factor in this. If the land belonged to us and there appeared no reason against it other than what shows in our correspondent's letter we should plow under a short crop of alfalfa.

## The Weed Tax

In ordinary weather the average man does not especially notice the damage that is done to his crops, his trees and his flowers by the weeds, but when there comes a dry spell the results show.

It is not a wild estimate to place the loss occasioned by weeds at an average of 25 per cent. There are many farms which show a much higher percentage and, if the roadsides and other uncultivated places are considered, the average stated cannot be widely wrong. This is a direct tax which, if not exactly self imposed, is endured and yet if the state were to undertake taxation at such a rate there would be war.

Weeds will grow on poor land and with less water supply than will farm crops, and when grown they not only rob the soil of its fertility and moisture which are needed by the crops, but they devour these much more rapidly and in larger quantities. Every weed that goes to seed insures added labor and loss for the next season. Weeds use up about the same amount of soil fertility as do the crops, but they use up much more water, and because of their habits of growth, they are able to get it. Weeds will kill an orchard or grove of trees which are well and deeply rooted simply because of their enormous capacity for securing and using soil moisture. If they will do this, what may be expected from them in a crop field? The estimate of an annual crop loss of 25 per cent because of weeds is not too high, and the best time to kill them is just before they come through the ground. Cultivate the orchard, mow the roadside before the seeds are ripe and sow the waste places on the farm to alfalfa, rape, cow-peas or other useful crops.

Little boys are taught to love their teachers and when they grow up and become members of the school board they seem to think that was enough. At least they don't want to pay them anything.

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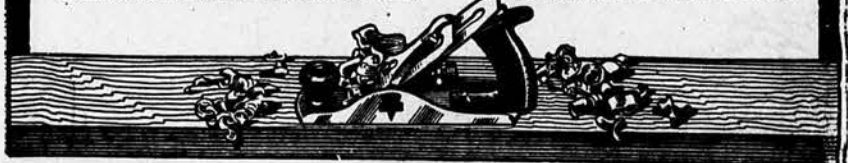
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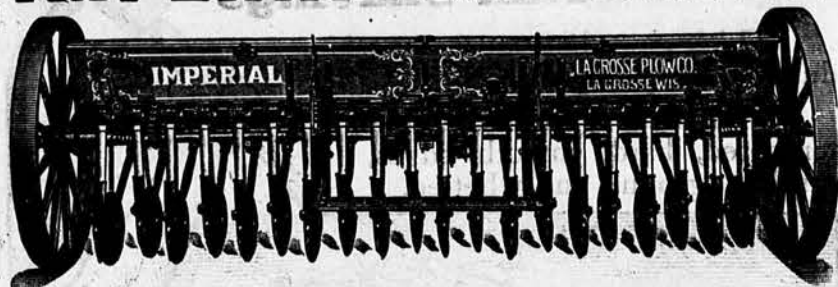
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whereby the horses actually lift the disks at the ends, all the driver has to do is to shift a small lever, the horses do the rest—no pulling and tugging at back-breaking levers with the IMPERIAL. This feature is full protected by patents and cannot be used on any other drill.

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### Gasoline Engines on Harvesters.

EDITOR KANSAS FARMER:—I have not used the small gasoline engine on a harvester but have seen a number of them so used on headers in the Great Bend district. In the year 1904 it was so wet that the master wheel would slide and the gasoline engine was in nearly every case a success, as that was the only way the farmers were able to get their crops harvested. In a dry year I do not think there are many people who would need to use one. And then there is only about one person in ten who can run a plow right or fix it when it needs repairs and therefore they would hardly be a success with the little engine.

You say, "Would it be any incentive to you to buy a harvester with a gasoline engine attachment?" Yes, it would to me if the price were reasonable as I have done nothing else for eight years but run and repair gasoline engines. However, the last two years I have lived on a farm and if I had a gasoline engine on my harvester I would take it off after harvest and make it pump water, churn, do the washing, shell the corn, grind the feed and thereby get the worth of my engine from the work it would do besides running the harvester in wet harvests. The ones I refer to were attached to a frame and placed between the master wheel and the beam back of the axle and were connected to the small drive sprocket.—E. H. Smith, Cunningham, Kan.

### Good Roads in Riley County.

Editor Kansas Farmer: I think it would be a good thing to have Uncle Sam make one good road clear across the United States by surveys made by good engineers and in as straight a line and as level as possible. It would not need to be a costly rock road except where very sandy or through a mud hole. The road can be made and the time is coming when it will be made. The people are calling for better roads and it is up to Uncle Sam to make them.

He spends enough in two years on battleships and other war expenses to make this road. We may have to cut out this war expense first, and by the way, I think it would be the wisest move the nation could make. Then I think it would be a good plan to have the states all make one good road each connecting with each other and the Uncle Sam or national road. Then for each county to make a good road connecting same with one of the other roads. Then each township make one good road connecting with the county road and have each township have a good man to take charge of the roads in his township under the direction of the county and state engineers and pay him enough to live on without farming to help out. Have him give his whole time to the road then we will have good roads and never under present conditions. Halley's comet may get here first, but good roads are coming. I would like to hear from other farmers on the good roads question.—J. D. Wilfong, Zeandale, Kan.

### Swat the Chinch Bug.

While swatting the chinch bug swat him proper. Kerosene emulsion will exterminate him if applied to him with sufficient force. While I have never tried applying on a large scale am prepared to do so as soon as they appear in the corn, and feel confident of success. Am busy spraying in my truck now against everything from jack rabbits to melon lice and several different kinds of fungus diseases.

I propose applying the kerosene emulsion to the corn with a power spray pump, spraying three rows at a time, by placing the pumps and one or two barrels to hold the emulsion on a wagon, then run one vertical pipe, 3/4 inch, from the spray pump; connect to this a horizontal pipe long enough to reach across three rows of corn, the one under the wagon and one in each side. From this horizontal pipe connect two pipes on each end leading down on each side of each row of corn at lower end of each of these pipes by means of 45° elbows; connect the spray nozzles; this will throw the spray against the stalk of corn and downward, reach the row under the wagon by leading two pipes and bringing down same as for side rows; this will take six nozzles, two on each row, and by adjusting the nozzles to throw a small, heavy stream, keeping the pump at 125 pound pressure there will be very few bugs get away.

By this means a person with one

team can cover 25 to 30 acres a day and the cost will not be very heavy. The emulsion will cost to make probably one-half to three-fourths cent a gallon and 10 gallons should cover an acre very thoroughly. I make the emulsion with one pound common hard soap in two gallons boiling soft water and four gallons coal oil; churn thoroughly until emulsified, leaving no free oil, then dilute until the mixture will not burn the corn, about 10 times; the corn will stand it stronger than this but this makes the bugs take notice.

If the emulsion is well mixed, as must be, there will be no free oil in the mixture and will never separate, will keep indefinitely and can be reduced as needed.—Frank L. Parker, Hutchinson, Kan.

A great many letters are coming to me at the present time with respect to the bindweed. One of these is from J. H. Mead, of Halstead, Kan., to whose letter of June 9 I beg to reply in your columns as follows:

By persistent cultivation, plowing deep in late summer, in order to turn out of the ground as much of the root system as possible, and then by perpetual clean cultivation through the following season much can be done toward keeping this weed in subjection. Where the weed occurs in an open field, not an orchard, and exists in only a small patch, my advice is to treat the ground with as heavy a top dressing of salt as you please to put on, running furrows both ways in the patch, and putting the salt in the furrows, so that it will get down well into the ground, where the root system is.

This weed has a deep root system, running down from four to ten feet below the ground, by means of which it spreads rapidly. Besides, it produces seed liberally. We have this weed here on our college farm and manage to keep it down by vigorous and continuous cultivation, but we have been unable to eradicate it. I have tried killing it by chemical means, spraying the tops with various chemicals. By killing the tops often enough one is often able to starve out the underground root system of a plant. We sprayed the tops of the bindweed, killing them down thirteen times in succession without, however, killing the root system. The nearest that we came to killing it was with an application of salt, two tons to the acre. We applied this salt as a surface dressing. Now I will suggest to modify our treatment with salt, and this is the best recommendation I can give. Plow the patch of bindweed in furrows as deep as you can get the plow to go, following up with a subsoiler if you can get one. This is to open up the furrows as deeply as possible into the ground. The idea in doing this is to get the concentrated salt down as near the root system as possible. I have found that the shoots that grow above the ground may start from as far as two feet below the surface. I will not guarantee that you can kill the bindweed out by this means, but it is the best recommendation I can give you, in view of our own experience. As to the amount of salt to use, this is purely a question of how much money you can afford to put into it. I do not think you can do much with less than one-half ton to the acre. Perhaps this amount would be effective if put in the bottom of the deep furrows as described.—H. F. Roberts.

We recently had an inquiry from a subscriber who wished to know the value of lime as a fertilizer. There are those who deny that lime has any value as a plant food. This is incorrect as the presence of lime is shown in every agricultural crop. When a plant is dried and burned the ash contains a certain proportion of lime and this indicates that lime is necessary as a plant food and has been absorbed by it. In Kansas lime is not generally considered in this way because of the fact that most of her soils are derived from lime-stone, while phosphorus, potash and nitrogen are the three things most generally considered when fertilization is talked of. Lime is important and on certain soils in the state could be applied to advantage. It not only serves to sweeten soils that are said to be "sour" but it furnishes a plant food element and helps to put the soil in a mechanical condition that could not be secured without it.

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# DAIRY



## A New Holstein Record.

The world's record for milk production has been broken by Missouri's Chief Josephine, the prize cow of the College of Agriculture of Missouri University. In the four months' contest, which ended recently, the total exceeds the past world's record 10 per cent. Chief Josephine gave 11,536 pounds of milk in the four months. The production averaged 96.4 pounds a day for the 120 days. The cow that previously held the record was Colantha Fourth's Johanna. The amount of milk that Josephine gives is said to be twice as much as the average cow gives in a year.

## An Underground Silo.

EDITOR KANSAS FARMER—I am planning to build a silo. I have a cistern 18 feet deep and 18 feet in diameter. Would it do to use it? Can a silo be built of corrugated iron such as is used for culverts if the joints were soldered?—Smith Steward, Emporia, Kan.

It is possible to use a cistern as a silo but it is not recommended for several reasons. It would be very difficult to handle ensilage that had been stored in a cistern and there might be serious difficulty in making the ensilage pack so that it would keep well. The expense of handling the silage would probably be the most serious objection and this would soon pay for the building of a specially constructed silo above ground.

In regard to the second question it may be said that there would be at least two very serious objections to the use of corrugated iron for a silo. In the first place the iron alone could not be used because it would not permit the ensilage to pack properly and because this metal is such a good conductor of heat that a large share of the ensilage would be certain to lose its heat and spoil. If the metal were to be used as a reinforcement for a concrete silo the metal lath or sheeting such as plasterers use would be much better. Prof. Kendall of the Agricultural College has constructed a number of silos in this manner but with what results we are unable to say. It is purely an experiment which is made by framing the metal lath into the proper shape and then plastering both the outside and inside surfaces with alternate coats of cement until the desired thickness is obtained.

The writer has been a close student of the silo question since the early '80's and he has never yet seen anything that even approached the stave silo for usefulness and economy. This may be purchased of the manufacturer or built at home, thought the first is probably much the cheapest. With proper care the stave silo will last indefinitely and has the decided advantages of being specially adapted for its purpose; of affording the necessary protection of the ensilage against damage by low temperature and of being so constructed that the ensilage can be packed to the best advantage.

If it pays to build a silo it certainly pays to build a good one. A tolerably good silo is like a tolerably good egg.

## A Strong Organization Necessary.

In order that the consumer and producer of butter shall be protected, it is not only necessary that present federal supervision of the manufacture and sale of butter substitutes be maintained, but it must be made more effective. Strong influences are at

work and have been at work for many months to eliminate present restrictions, and thus remove all obstructions in the way of selling the substitute for the genuine product. This attempt on the part of the oleomargarine manufacturers and their allies must be met in an aggressive manner by the producers of butter, if their business is to survive.

Dairymen as a rule appreciate this fact, and are not so poorly informed as to think that their Congressman at Washington can look after their interests without the kind of assistance that the dairymen are rendering through their organization. This article is inspired by a report coming from a creamery manager, that if our Congressmen are not wise enough to inaugurate legislation which will protect our people against fraud and the dairy industry against annihilation, then it is impossible for the dairymen to accomplish it through any organization which they might maintain.

Of course such an opinion would not be entertained for a minute by any man familiar with legislative bodies and their methods of transacting business. In the first place, those members of Congress representing dairy districts are in the minority. In order to secure legislation which shall protect the dairy industry, it is necessary to get a good many votes of members who are not interested in either side of the question. In order to do this they must be convinced that the proposed legislation is necessary, and no one else can supply the argument so well as the dairymen.

The Congressman from the greatest dairy district in the country cannot devote his whole time to this work. He has a multitude of other duties, and he is pretty apt to respond to those duties which are most pressing. Even he needs urging, and he also needs to be furnished with facts bearing on the question, which can only be furnished by men in the business. He must feel that his constituents are interested in what he is doing if he is to do effective work. If a Congressman from a dairy district finds that his constituents are more interested in whether the Government shall build four battleships instead of two, and are not taking any interest in the oleomargarine question, then he is going to get busy on the question of battleships at once. And it is perfectly proper that he should do this. He is there as their representative and it is his duty to reflect the sentiment of his people.

Then too it should be remembered that laws are passed in response to public sentiment. When the people demanded the pure food law it was enacted, and when they called for postal savings banks, they got them. Public sentiment can be aroused only through publicity. We need not worry about public sentiment demanding a satisfactory regulation of the production and sale of butter substitutes when they know the real facts. If they can be informed of a small fraction of the frauds that are being committed, they will respond just as they have responded regarding other questions.

But the Congressman at Washington can not do this. It is not his business. It is his duty to reflect public sentiment, not create it.

It is indeed fortunate that there are very few dairymen who do not realize the true importance of the crisis

# EVERYBODY HAVING COWS WILL SOME DAY USE A DE LAVAL CREAM SEPARATOR



Nearly 1,200,000 farmers, creamerymen, milk dealers and owners of country homes, throughout the world, are already using De Laval Cream Separators, and 150,000 or more are being added to the number every year—many more this year than ever before.

If you haven't a De Laval Cream Separator already you can't be anywhere near the head of this tremendous procession that started thirty years ago, but it will be foolish to wait to bring up the tail end of it.

The use of a De Laval Cream Separator—with even a single cow—means more and better cream and butter, warm and sweet skim-milk, less labor and more profit, twice a day every day in the year.

A De Laval Cream Separator saves its cost in a few months, not only over any other method of creaming milk but over any imitating cream separator.

Then why not fall into the De Laval procession now? You can't recover the waste and worry of previous years, but you can stop it going further. Why not do so? Every day of delay means just that much more waste of product, quality and dairy comfort. Why prolong it?

De Laval Cream Separators are made for one cow to one thousand, in proportionate size, style and price, and sold for cash or on such reasonable terms that they actually pay for themselves.

They are sold direct or through local agents. If you don't know the nearest agent write for his name and a catalogue, which we shall be glad to send you.

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Editor Kansas Farmer:

I note that from time to time your journal contains mention of the Holstein-Friesian breed, both articles from the editorial pen, contributions, pictures, etc. Whenever I read these articles I feel like writing to you a personal letter of thanks and also to express the high sense of appreciation which I know this association, through its board of officers, feels towards your journal.

It may interest you to know that I keep a scrapbook of each such article which you publish, carefully note the date of issue containing it and regularly exhibit this collection to our board. F. L. HOUGHTON,  
Secretary of Holstein-Friesian Association of America.



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**IMPERIAL PULVERIZER**

**CLOD CRUSHER and ROLLER**  
Leads them all

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**KANSAS FARMER, TOPEKA, KANSAS.**

which confronts the industry, and who are not willing to put their shoulder to the wheel. The oleomargarine people are jubilant over the prospects for success next winter.

Public attention is directed to the question of high prices for food products, and the time is opportune for misleading them regarding the oleomargarine controversy. They are making good use of the situation and they will use every available means to accomplish their purpose next season.

There is no occasion, however, for the dairymen to become discouraged, providing they take an interest in the campaign and each one does his share. There must be a complete organization and a determined aggressive campaign.—E. K. Slater, St. Paul, Minn.

## HORTICULTURE

### Green Lice on Roses.

The little green lice that are so abundant on the rose bushes just now may be all cleaned off thoroughly applying one of the following remedies

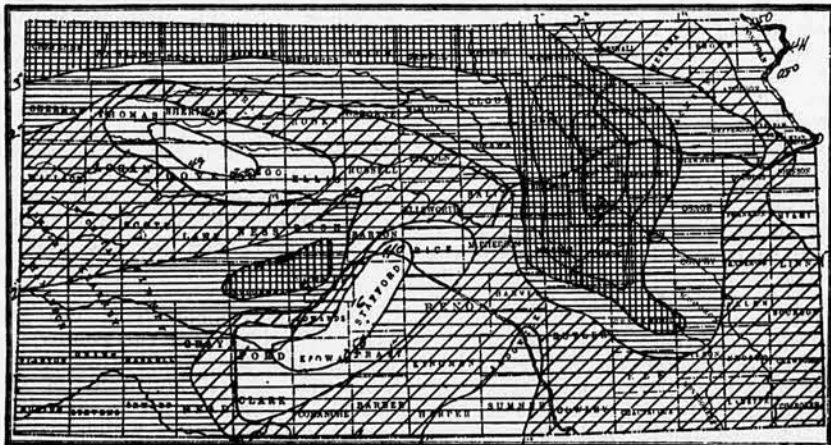
Remedy 1—Black leaf extract: 1 part in 70 parts of water.

Remedy 2—Nico-fume or Nico-Sul: 1 part in 500 parts of water.

## KANSAS CROP REPORT

### and Rain Fall for week ending August 20

Rain chart prepared by T. B. Jennings from reports collected by the Weather Bureau.



SCALE IN INCHES.

Less than .50. .50 to 1. 1 to 2. 2 to 3. Over 3. T. trace

**General Conditions.**  
Cloudy and much cooler weather characterized the past week, though the 15th and 16th bordered on the hot edge. However, they were offset by the 17th and 18th. The week was fortunate in having two or three rainy days, and, in the latter part, a very humid atmosphere—conditions more like spring than August.

The rainfall was heavy in the Republican and Blue River valleys, and especially heavy around the mouths of the Blue and Republican rivers, where it exceeded 5 inches. It was very heavy around the headwaters of the Neosho, Cottonwood and Verdigris rivers. The rainfall was heavy in the extreme southwestern counties, thence north-eastward to Rush county, and very heavy in the Pawnee River valley.

The precipitation was light in Kiowa, Stafford and southeast part of Barton counties, also in Gove and southeastern part of Thomas county and the extreme eastern part of Doniphan county.

The conditions this week have been of incalculable benefit to the crops and the ground.

### Results.

**Eastern Division.**  
Anderson—Another rain which has helped corn wonderfully and put ground in good condition for plowing.

Burbon—Plenty of rain for fall plowing, grass, etc. Early corn filling out finely. Grapes, peaches and apples ripening.

Chautauqua—The late rains have done a great deal of good. Pastures are better now than any time this summer. Kafir corn and cane will be good. Fruit is good.

Coffey—Late corn and some early corn doing finely. Chinch bugs getting discouraged. Meadows and pastures much improved. Fruit doing well.

Douglas—Corn now promises a good average crop; Boone County White having many stalks with four ears of corn and some with five ears. Threshing stopped on account of rains. Pastures improving. Peaches selling at 50 and 75 cents per bushel.

Greenwood—Pastures doing finely and stock water abundant. Late corn improving beyond expectation. Alfalfa doing well. Potatoes rotting some.

Marshall—Pastures improved. Corn doing as well as could be expected. Fall plowing progressing. Marketing home grown peaches and tomatoes.

Montgomery—A good growing week. Corn and forage crops are greatly benefited. Wheat ground nearly all plowed. Apples have ceased dropping and will mature a fourth of a crop.

Nemaha—Fall seeding of alfalfa delayed by heavy rain. Not more than half a crop of corn and no prospects of its maturing before frost.

Riley—On the 17th 4.25 inches rain in four hours, overflowing creeks and ditches, flooding cellars and damaging some corn in low lands. Home grown melons and peaches being marketed; peach crop light. Plenty of apples for home use.

Woodson—Late corn doing well. Pastures picking up. Kafir corn beginning to head and a fine crop.

Remedy 3—Tobacco leaves, stems or dust: 1 pound in four gallons of water. Place the tobacco in water enough to cover it, and steep in hot, but not boiling, water for a full hour, and then dilute as just mentioned.

Remedy 4—Whale-oil or fish-oil soap: 1 pound to eight gallons of water.

Remedy 5—Kerosene emulsion made so as to be about one-fifteenth oil.

Any one of the above remedies, and many others that might be mentioned, will be effectual if used as a forceful spray directed upon the underside of the leaves in sufficient quantities to thoroughly wet the lice. If many are missed at the first treatment, repeat in three or four days.

The same applications will kill similar lice upon other plants.—C. P. Gillette, Colorado.

### HOW TO HANDLE AND EDUCATE VICIOUS HORSES.

By Oscar R. Gleason.

This valuable book gives directions for handling vicious horses, breaking colts, teaching horses tricks, etc. Illustrated, 205 pages.

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Anyone not now a subscriber can secure Kansas Farmer on trial the balance of 1910 for the special introductory price of 25 cents. Stamps will be accepted.

**Middle Division.**  
Barber—Ideal weather for crops and plowing. Alfalfa seed making large yield per acre, a large acreage of which will be sown this fall.

Barton—Threshing proceeding, though somewhat hindered by rains. Corn growing rapidly. Prospects good crop. Prairie hay fine. Pasture good. Ground in fine condition for plowing.

Dickinson—Very good corn weather and the corn making fine growth. Plowing nearly done.

Harper—Cloudy, humid atmosphere with mild temperature. All crops much benefited by rains. Peaches abundant. Grape crop fine.

Jewell—Ground in good condition for plowing. Corn is doing well. Cloudy and cool weather most of the week.

Kingman—Rains are putting the ground into fine condition for plowing, and helping feed crops wonderfully.

Marion—Haying and threshing checked by the rains. Pastures are in good condition. Ground soaked thoroughly. This crop of alfalfa will be a big one.

Ottawa—Plenty of rain. The corn was in the milk and needed it. The ground in fine condition to finish plowing.

Saline—Corn improved beyond expectation. Plenty of rain now.

Summer—Good growing weather. Pastures improving. But little plowing done yet. Will be a small acreage of wheat sown this fall.

**Western Division.**  
Clark—Frequent showers have brought on late corn, feed and alfalfa, which are now in fine condition. Ground in fine shape for wheat.

Decatur—Fine rains, full creeks, plenty of stock water. Incalculable to late corn and forage crops. Threshing stopped. Pastures revived. Ground in fine condition for wheat.

Gove—Good showers over the county. Wheat threshing in full blast.

Gray—Cloudy weather. Ground in excellent condition. Grass is fine. Rains have helped the crops and the plowing.

Greeley—Another good drenching rain. Broom corn, cane, Kafir corn and m'lo maize are in better condition at this season of the year than they have been for many years.

Kearney—Condition good for all growing crops. Good rains. Sufficient moisture for plowing and fitting the ground for fall seeding.

Scott—Fine rains. All crops doing well. Farmers preparing to sow wheat. Threshing progressing and wheat turning out better than expected.

Seward—The heavy rains have stopped wheat threshing and are doing some damage to the grain. They have also delayed broom corn harvest, although the brush is not damaged yet.

Sherman—Splendid rains. Pastures excellent.

Thomas—Grass and forage crops much improved by the showers. More rain is needed in the central and southwestern part of the county.

Wallace—Corn, cane and other crops are doing fine since the late rains began.



# POULTRY



If you haven't room to keep the old and young stock separate, see that the growing chicks have feed apart from the old hens, otherwise they are apt to suffer for the old hens will eat all the food before the young ones can get a chance at it.

Culling the flocks should now be carried on continuously till only enough good specimens are kept that are needed for show purposes or next season's mating. As soon as a bird shows signs of a disqualification, send him to the pot or to market.

Cleanliness is the best method of removing bad smells from the poultry house. If the house is thoroughly clean, from what source can any impurity arise? Give the building a general cleaning up by the use of plenty of white-wash and carbolic acid.

During very hot weather, hens, like human beings, are uncomfortable and restless. Their owners should endeavor, as far as in them lies, to make them as comfortable as they can. The hens should have shade, pure water, charcoal, oyster shell and grit as well as plenty of good, palatable food. Then they ought to have a well ventilated house to roost in at night, otherwise the care given them in the daytime will not be fully appreciated.

Remember that the earliest hens to molt, are the ones that commence to lay earliest in the fall. Hens that molt very late in the season are not apt to get their new feathers before cold weather comes and therefore are not likely to lay through the winter. It is a good thing to help start the hens to molting by feeding very sparingly for a while then after they have commenced to shed their feathers, to feed them all the stimulating feed they will eat. A little linseed meal in their soft feed will help them to molt early.

It won't do to keep a lot of hens in a dark or uncomfortable building and expect them to be busy and lay. They prefer a light, dry, roomy place where each hen can exercise freely and without hindrance from the others. They will never care to scratch, however, if they are fed every time they appear hungry. They must be compelled to scratch and work for their food. We do not advise the limiting of the food. Give them plenty, but only in the litter, where they must work and scratch for each grain. Throw the grain in leaves, cut straw, cut hay or any kind of litter, and at night give them a good feed in a trough, composed of a mixture, but during the day make them work hard. At first they may not be inclined to accept such conditions, but unless they scratch, let them go hungry. Scratching means eggs, for it keeps them in health.

The best and most satisfactory floor for a hen house is dry, clean dirt upon an earth floor. The earth in the house should be filled from six inches to one foot above the ground surrounding the house outside. This will prevent it from becoming damp and disagreeable to the occupant's. Under the roosts should be thrown a shovel full or more of loose, dry dirt every morning and the droppings removed at least once a week and the floor swept or scraped. A scratching space should be divided off by setting up boards a foot high, making a pen in which should be kept cut straw or chaff to the depth of four to six inches and all loose grain fed to fowls thrown in this pen. This will keep the hens busy and it is the busy hens that lay eggs. This should not be allowed to become foul but should be renewed occasionally. A liberal supply of air-slaked lime scattered over the floor will do much toward keeping the house in a good wholesome condition.

A correspondent who has lost several chickens through diarrhea asks for a remedy. He does not state

whether they are growing chicks or old fowls. If young chicks the diarrhea is probably caused by exposure in the early morning to cold drafts or wet grass. Then again the food may have something to do with it. This can be corrected by taking the drinking water from them and giving them scalded milk instead. In fowls the discharge resembles oil and snuff mixed, with greenish streaks through it. The fowls seem exhausted and drawn up and move about slowly with a long, striding gait. Sitting hens often have diarrhea and die on the nest. The following remedies are highly recommended. As soon as the fowls are found to be sick, put one tablespoonful of the following mixture in a quart of water, giving them no other drink until they are cured. Sweet tincture of rhubarb 2 ounces, Paregoric 4 ounces, Bicarbonate of Soda, 1/2 ounce, essence of Peppermint 1 drachm, water 1 ounce. If the scalded milk does not relieve young chicks, put one teaspoonful of the above mixture in one-half pint of the scalded milk and discontinue medicine as soon as the disease disappears. In serious cases in adult fowls, one teaspoonful of the following mixture to a pint of water, given as a drink and be careful and not overdose them with it. Laudanum 1 ounce, tincture of Capsicum, 1 ounce, tincture of Camphor 1 ounce, Chloroform, (pure) 3 drachms, alcohol 5 drachms. Tin cans which have commenced to corrode should always be discarded, as the oxide of tin brings on diarrhea. After the looseness of the bowels is checked, a little cod liver oil in their soft feed and iodide of potassium mixed in their drinking water to the amount of one grain to a chick per day for eight or ten days, will straighten them up, and save a large per cent, the whole of which, if left with the main flocks, would die.

## Success With Chickens.

The first requirements in having success with anything is to like the thing worked with, and to like the work necessary to this certain thing's welfare. So this is the necessary requirements in having success with chickens.

The question is not which breed of fowls must you have; it is which breed do you like best.

The kind of fowls you like best is the kind you will succeed best with. And if you care not for any particular breed and had much rather have mongrels or scrubs, that is the kind for you to have. But if you prefer scrubs to pure bred fowls, as a precaution I would advise you not to prevail on your neighbors who keep pure bred fowls for chickens and eggs to infuse pure blood in your scrubs. Especially when you prefer to exchange eggs with them or buy young cockerels at market price instead of offering them the consideration they ask for their efforts and expenditure in keeping up a pure bred flock of fowls.

Whether you set hens Nature's way or with an incubator, you should bear in mind that both hens and incubator demand your attention. You must make up your mind when you set an incubator that you will be obliged to give it more attention than the instruction book seems to say. At any rate, follow the instructions to the letter in the little book that comes with the incubator, unless you are experienced and really know a better way. And when you set hens, remember you must take an active part in the task yourself.

A good place to set hens is in a room off of the main hen house, where nothing but the sitting hens stay. This room should be clean and well ventilated, also cool or warm, as the season requires. Several trips to the hen house should be made daily to see that the hens are on their proper nests, and to see that there is plenty of food and clean water, also grit and a dust bath in their yard or room. It would be best if they have a yard all to themselves. The nests and sitting place should be clean and free of lice and mites. Insect powder may be used in the nests occasionally while the hens are sitting to keep them free from lice.

When the chicks hatch out, put them with the mother hen in any suitable place you have where they will get

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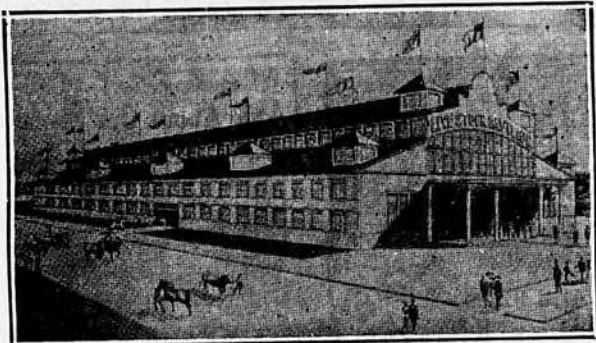
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plenty of sunshine, and in a place where the water will not stand when it rains. Give each hen her own flock, and rather let nature have its way; leave the mother hen to do her own "bossing." After you have kept them in their coops sufficiently long for them to know their places, three days is generally sufficient, turn them out. See that they are out early each morning and do not shut them up of an evening until they are ready for bed.

Incubator chicks require more attention and better quarters than chickens raised by hens; but with a little forethought and experience, both incubator chicks and chickens raised by hens will make rapid growth with little loss.

Success with small chickens is not determined by the number hatched, but by the number raised. Therefore especial care should be given the little downy fellows after they are hatched. Opinions differ greatly as to the proper feed for small chickens. But I would suggest that the proper food for young chicks is the kind of food you have fed young chickens several years with good success.

Having used corn chop a number of years with good success, I would recommend it as an all around food. Have never used the prepared chick foods on the market which are made up of mixed grains, etc., but would recommend any dry uncooked food to moist or cooked food.

The whole story in short in properly feeding young chicks is dry food, plenty of it, plenty of clean water and also grit.

A feeding coop should be provided for the young chicks. This coop should be so constructed that nothing but the small chicks can go into it, and feed should be kept in it so that the biddies can help themselves at all hours. The drinking vessels should be near the feeding coop and so situated that the sun will not shine on them in the heat of the day.

As disease and lice are to be overcome in poultry raising, preventives are a deal better than cure-alls. Keeping the sleeping quarters clean and using whitewash or some kind of emulsion, using wood ashes, sulphur fuming and insect powder are good lice remedies. To never let lice and mites get a foothold is the best preventive known. This can be done by faithfully using the above named lice remedies before the lice appear.

Keeping the hen house and surroundings clean and dry and the chickens in a healthy condition by proper food and care is the best preventive against chicken disease.—F. Lincoln Fields.

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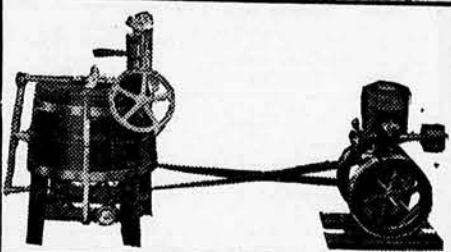
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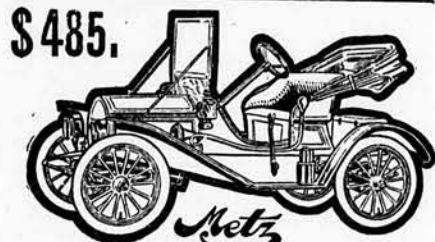
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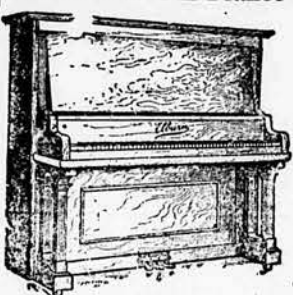
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# HOME CIRCLE



Mis' Smith.

All day she hurried to get through, The same as lots of wimmin do; Sometimes at night her husband said Ma, ain't you goin' to come to bed? And then she'd kinder give a hitch, And pause half way between a stitch, And sorter sigh, and say that she Was ready as she'd ever be, She reckoned.

And so the years went, one by one, And somehow she was never done: And when the angles said, as how "Mis' Smith, it's time you rested now,"

She sorter raised her eyes to look A second as a stitch she took. "All right, I'm comin' now," says she; I'm ready as I'll ever be, I reckon."

Albert Bigelow Paine.

## Canning and Preserving Fruit.

Every housekeeper should store away a large quantity of fruits and vegetables, in all forms for winter and spring use.

Fruits and vegetables should be canned, preserved, and dried in large enough quantities to meet the spring and summer fruits and vegetables without being obliged to use them sparingly.

The housewife will find it to be more economical to use glass jars for canning, as glass jars can be used as long as unbroken, if new covers are purchased when the old ones become worn. There is no advantage in buying tin cans, (except in price) for there is no known fruit or vegetable that will not keep as well in glass jars as in tin.

The housekeeper will also find it more satisfactory to can the larger quantity of fruit, as fruit put away in this manner can be utilized in many different ways that butter and jams, etc., cannot.

Granulated sugar is best, but brown sugar makes very nice butter, jam and preserves, but cannot be used for jelly making. At the beginning of the canning season it is best, and also more economical to buy a one-hundred pound sack of sugar, than your sugar is always at hand when needed. Granite, enameled, porcelain, and earthen ware are best to use for canning and preserving fruit. It is best that utensils used for cooking fruit are not used for general cooking purposes. But if you must use vessels used for cooking purposes; scour them thoroughly with sapolio and wash in soap and water, scald in boiling water and wipe with clean towels. Many housekeepers could trace their bad luck in canning to greasy cooking vessels, foul dish cloths and half-washed fruit jars. All cloths, knives, forks, spoons, colanders, etc., used in canning, should be perfectly clean and free from grease.

In making fruit butter all materials should be pressed through a colander, this insures a smooth butter, and it will boil more steadily requiring less attention. All excess of juice should be drained off and used for making jelly, or it may be boiled down thick and returned to the butter. After the fruit is cooked and pressed through the colander, measure it and add one cup of sugar to each cup of fruit or three-fourths cup sugar to one cup fruit. Stir well together and boil gently until rich and thick, stirring when necessary.

Plum Butter: Wash the plums and put together to cook, a small quantity of water and the plums. When done drain off the juice and put to boil while you press the plums through the colander. Cook in a separate kettle, one-half or one-third as many apples as you had plums, cook in a very little water, when done put through the colander, mix with the plums, add the sugar and cook until done.

Plum-Peach Butter: Cook together one part plums and two parts peaches. Cut the peaches from the stones but do not peel them (unless you prefer to).

When done drain off the juice and put to boil, while you press the fruit

through the colander. Put over the fire adding the required amount of sugar and the boiled juice. Measure the juice and add a cup of sugar for each cup of juice. Boil gently until rich and thick, then put into glasses or jars and cover with melted paraffine when cold.

Green Tomato Butter: Pick over and wash the tomatoes, slice into thick slices and put into a kettle of boiling water, let remain a few minutes, then drain off the water. Add a little more water and cook until done. Rub through a colander or sieve, measure, and return to the fire. Let boil awhile, then add one and one-half or two cups cooked apple, pressed through colander, to one cup green tomatoes. Add an equal amount of sugar and boil until done. Cinnamon may be added to this butter. Ripe tomatoes may be made into butter the same way, only do not parboil, nor flavor with cinnamon.

F. Lincoln Fields.

## Mosquito Dope.

Most people suffer from the attacks of mosquitoes, though some are immune. Aside from the irritation caused by their bite there is a real danger to some people. To those who work in the field or who camp out perhaps the best means of insuring comfort is to use a "dope" or repellent. This is perfectly harmless to the skin and is a thorough protection against mosquito bites though it does not add materially to one's personal appearance. It is easily washed off and is very inexpensive. It is composed of castor oil 4 parts, pine tar 2 parts and oil pennyroyal 1 part. Bring the castor oil almost to the boiling point and stir in the tar. After these are thoroughly mixed stir in the pennyroyal and set aside to cool. If at home there is no better measure than the destruction of the mosquito but when away or when this cannot be done the "dope" is well worth while. Allow no water to stand in rainbarrels, puddles, buckets or elsewhere long enough for the hatching of "wigglers." If there are ponds or undrained places pour a cup full of kerosene oil on the surface and there will be no mosquitoes.

## SEASONABLE RECIPES.

### Chicken Cutlets.

Dress, disjoint and soak in cold water one-half hour or longer a young chicken. Drain, season with salt and dip in beaten egg, roll in bread or cracker crumbs and fry in hot fat.

### Fried Tomatoes.

Slice in medium slices, nice firm tomatoes, dip in flour after salting to suit. Fry in hot grease until nicely browned on both sides. Serve hot with or without gravy.

### Blackberry Cobbler.

Select nice ripe berries and nearly fill a shallow, greased pan, add sugar sufficient. Make a batter like rich biscuit dough. Cover the berries with this. Bake until done and serve berry side up.

### Cold Coffee for Supper.

Strain off coffee left from dinner into a bowl. Set on ice or in some cold place. At meal time, put into each cup, sugar if desired and one tablespoon milk or cream. Pour in the cold coffee and lay upon the surface a spoonful of whipped cream. Give a gentle stir to each cup before serving.

### Cabbage Slaw.

Chop cabbage very fine. Season to taste with salt and sugar, also pepper if preferred. Add a few spoonfuls of vinegar or lemon juice. Serve cold in a glass dish.

### Plain Apple Dumplings.

Make a good biscuit dough, roll out quite thin, cut in squares; place a pared, halved and cored apple on each square. Fill the cavities with sugar, wet the edges of the dough and pinch together. Place in a greased pan, smooth side up, add a little water and bake. Serve with fruit sauce.



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course, if the pen could be made airtight, or nearly so, it would be possible to fumigate with burning sulphur, but this is a doubtful expedient because of the nature of the hog houses and of the possible danger from fire.

It is necessary to apply a dip or lice killer of some sort to the animals themselves. This is best done by means of a dipping tank, although there are various makeshift ways by which the same results can be ultimately accomplished. The pouring of kerosene oil on top of the water in the hog wallows is one way of getting at it, though a slow one. Also an automatic arrangement can be made by which the hogs will free themselves from lice through the means of a prepared rubbing post. This applies to cattle as well. Set a post securely in the ground at the proper height and bore a large augur hole in the top at some depth. Around the post bore small gimlet holes which shall reach to the larger augur hole and then wrap the post with a number of thicknesses of burlap. When this is done pour the lice killer into the augur hole at the top until the burlap is thoroughly saturated through the smaller holes. If the burlap is tied or nailed on tightly the hogs will enjoy rubbing against it, and in doing so will coat themselves with the lice killer, though of course they do not coat their entire bodies. The same principle may be applied in the application of lye repellent or tick killers to cattle. Set two posts in the ground at a suitable distance apart and connect the two at the top with a 2x4 stick. Wrap both posts with burlap and suspend some from the cross piece, then saturate all of it with the selected dip. The burlap from the cross piece should hang low enough to touch the backs of the cattle as they pass under it and between the posts.

### Percheron Horses.

SECRETARY WAYNE DINSMORE OF THE PERCHERON SOCIETY OF AMERICA WRITES:

From July 11th to July 31st, 344 Percheron horses have been imported by members of the Percheron Society of America. 50 of these were mares and fillies. The inspection at port of entry is working satisfactorily and guarantees the accuracy of any certificates issued by the Percheron Society.

During the year ending June 30th, 1910, registrations were as follows:

American bred stallions.....	2550
American bred mares.....	3695

Total American bred.....	6245
Imported stallions.....	1437
Imported mares.....	1101

Total imported.....	2538
Applications rejected or held up for further action by the Pedigree Committee.....	139
Grand total.....	8922
Actual Registrations.....	8783

The secretary estimates that there are about 24,000 living stallions and 16,000 living mares, or a total of 40,000 living Percherons owned by members and breeders affiliated with the Percheron Society of America.

July 14th the Society had a membership of 2,726. Since that time 98 other breeders have become members of the Society making a total of 2,824 members, or a gain of 98 members in about three weeks.

### Lice on Hogs.

It sometimes happens that the farmer finds that his hogs are not doing well, although he gives them every attention in the way of feed, water and range. He is at a loss to assign the reason, and even when told that his hogs are lousy is not disposed to believe it until convinced by inspection. Even a mature hog will not do well when infested with lice, and there does not seem to be any good reason for allowing this condition to continue, when it is such a comparatively easy matter to get rid of these pests.

The first step in securing freedom from lice is to clean up the pens. All of the manure and bedding should be carefully removed or else the pens should be moved and the old site plowed up. The pens themselves can then be disinfected by the use of whitewash or some disinfectant spray. The formula for the manufacture of Government whitewash was published in a recent issue of KANSAS FARMER. There are numerous dips advertised on the market that will destroy lice, and if these are used on the pens they should be applied at full strength. Of

A 150-ton silo is being erected on the county farm just out of Topeka for the purpose of maintaining the dairy herd in proper winter condition and supplying the inmates with a plentiful supply of wholesome milk. The cutting machinery for the manufacture of the ensilage was purchased by a number of farmers who own silos and who clubbed together for this purpose.

### VETERINARY.

Editor Kansas Farmer:

As I am interested in your paper and often read helpful hints concerning all stock, etc., I wish to ask of you a remedy for a heifer with Laminitis. Veterinarian pronounced it this. She has been stiff in her front legs for over two weeks, will not get up unless forced, eats and drinks what you put before her. She has been in the pasture all spring and had creek water to drink, cannot see how she could get foundered. Veterinarian prescribed: Two large doses of salts; and nitro potash and alum once a day. She is no better, if anything, she is worse.

Would be pleased to hear from you through your paper.

Thanking you for any information you are able to give.—E. Taubold, Colwich, Kan.

A case of Laminitis (founder) in a cow should be treated the same as it is in the horse, the only difference being in the size of the dose of medicine used. In this instance the trouble no doubt has by this time become serious, and if the case is a very severe one, complete recovery is doubtful. In the first place the feet should be kept cool and moist either by the use of a poultice or by standing the animal in a soaking tank or creek the greater portion of the time until the fever has all been removed. A stimulating liniment thoroughly rubbed in just above the hoof, after the fever has subsided, would be good treatment. If the hoofs are not feverish or sore would examine the animal closely for evidence of rheumatism.—Dr. F. S. Scheenleber, State Veterinarian.

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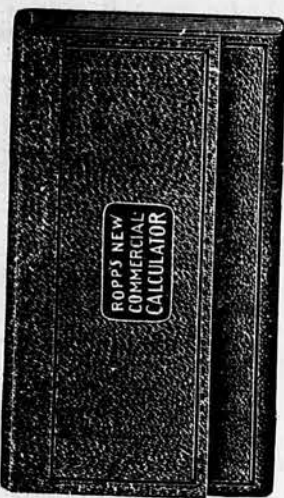
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If your horse is old and out of condition, look to his teeth, and modify his feed. Do not drug him, but feed him on ground oats and bran, and save the drug bill. Adapt the feed conditions to the age of the animal, and avoid a veterinary account.

A subscriber inquires where he can get ground limestone for application to his fields. He does not state for what purpose this is to be applied to the land nor whether air slaked lime would not answer the purpose. Will any of our readers inform us where ground limestone may be had in commercial quantities and the probable cost of the same?

While corn is the best possible material for ensilage, and while the best ensilage is made from corn that is partially matured it is still possible to preserve corn in an immature condition in the silo. This, however, is only an emergency measure, as corn that is too young does not make the best of ensilage nor does this ensilage possess the highest feeding value. In case of a drouth which threatens the entire corn crop it may be made into ensilage and saved in a succulent condition for feeding either in the dry summer months or in winter, when otherwise it might be an entire loss.



## Difference in Agriculture.

Conservation of our agricultural resources and the scolding by Professor Hopkins in the Kansas Farmer of June 25, are not untimely with regard to the depletion of the land for growing crops. I was talking to a young man last year who said his grandfather was the first to use guano in his district in Ireland, and that he then grew enormous crops and acted as the importer's agent also. Probably the old gentleman made some money about that time, owing to the good prices prevailing, and laid a foundation of wealth for his family.

Of late years in the south of England, where they have studied out the use of artificial manures to a fraction, a man may be the best of farmers, with the advantage of the advice, knowledge and experience of his fathers and grandfathers for three or four generations on the same farm, and can not make a living, even when backed with sufficient capital and energy.

In this prairie region of the United States, where and when Nature is or was so prodigal, and where labor has been so difficult to obtain some times, much has been wasted, lost or destroyed. After a high tide comes a low tide. It is well to be economical, especially now, as the prices of farm commodities are more remunerative and the fertility of the soil is weakening. It behooves one to take advantage of all circumstances that pertain to successful agriculture. Now, the price of land as the main commodity, the value of stock and the price of implements, all having so naturally advanced of late years, have added to the price of producing everything in the farming line, especially to a recent arrival starting in a new and strange country.

The fertility and maintenance of

the soil is quite a broad question for the agricultural chemist, but it is fairly easy of solution when one knows how and has the means. Soil is like the human race, what is one man's meat is another man's poison. This is a pretty wide question. What applies to one district and soil will not always apply to another, owing to different elements and circumstances, but nothing of any consequence will grow without moisture, neither will much grow without the right amount of food elements in the soil composition.

One may draw an inference from this that in the future all land of whatever quality, and wherever situated, may be made reasonably productive, provided the necessary amount of plant food can be obtained and added to it. Therefore, why not keep your good land and add to it any element that is lacking in a sufficient quantity to keep it up to its highest point of productivity. Surely this can be done by the use of the proper amount of artificial fertilizers, so that instead of losing ground, as one might say, we will be holding our own and perhaps increasing our yield some. Sufficient unto the day is the evil thereof, or need thereof. It will probably in time become a national economic question, if the world doesn't come to an end too soon.—Ed A. Lord, Kingfisher, Kan.

## Fish Culture Will Help.

Editor Kansas Farmer:

So much has been said and written in the past few months about the enhanced cost of living, that the careful observer can hardly fail to find many useful suggestions therein if he has enterprise and energy enough to put them in force.

The object of this article is to place special emphasis on one such suggestion made recently by Professor Dyche

in regard to fish culture. Six years ago when I purchased Brookwood, the owner had a dam constructed in the Prairie Dog creek, which divides the farm, for the purpose of forming a pond on which to cut ice for Selden and the surrounding country. This pond I found to be alive with native fish, not highly desirable as a first class article for sport or food. I at once put in an application to both government and state for a supply of game fish, and got a shipment from each of bass and crappie. The state warden informed me that the stream and conditions therein were ideal for these varieties. As the dam was a rude affair of plank, stone, brush and dirt that required extensive repairs at every flood, I proceeded to replace it with a permanent structure of pile and concrete.

I take much pride in this dam and its arrangement for drainage of pond, fishway, etc., and find it an object of much comment and admiration by all who view it. In the six years I have owned the ranch I have put in five shipments of these fish, and the sight of a school of them now on their favorite playground is worth a dozen of your popular opera shows. Some of these bass that we now get are 18 inches long and three to four pounds in weight. When we remember that our government and state fish departments are ever ready to aid all who are willing to provide proper places for these fish, and give them lawful protection after they are furnished, some of the so-called horrors of farm isolation and high cost of living are considerably modified. A family of youngsters comfortably located in the country among up-to-date improvements in animal and plant life with modern home surroundings, the telephone, free rural delivery, skating, fishing, boating and other wholesome sports and recreation, are not really

so much in need of pathetic sympathy as some of our city friends would seem to think.

The farm community that is today served with free rural delivery, is better posted on current events of the day than the average city population. The farmer will pick up his daily paper after his noon meal, and will just as eagerly and with equal energy stow away the current intelligence of the world as he did the material things for his physical needs. As he returns to his field and passes up and down its rows he is turning over these events in his mind, and when night comes he has a pretty clear and comprehensive view of the world's progress, and especially that of his own country. He learns to love its virtues and seek diligently after remedies for its evils. Surrounded as he is with nature and its laws in their purest form, supplied with the world's best literature and news in daily installments, he is fast becoming the most independent and trustworthy of our class population.

In things political he is fast learning to give preference to that non-partisan, and in this respect is a safer factor in the exercise of his sovereign rights than his city brother who is so much in contact with graft and political intrigue. What is the matter, then, with our boys and girls on the farm? Think twice, our city cousin, before you give the old obsolete answer. Better by far contribute to the world's interests by helping to turn back those who have left its wholesome influences, where they may become kings and queens of creation and less troubled with the intricacies of tariffs and the high cost of living.—G. H. Hoadley, Decatur Co.

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## STATE FAIRS AND EXPOSITIONS

Name	Location	Date	Secretary
Illinois	Springfield	Sept. 30, Oct. 8	J. K. Dickinson
Iowa	Des Moines	Aug. 28, Sept. 2	J. C. Simpson
Idaho	Boise	Oct. 10-15	R. H. Cargrove
Intermountain	Topeka	Sept. 10-17	H. L. Cook
Kansas	Hutchinson	Sept. 10-17	A. L. Sponsler
Central Kansas	Hutchinson	Sept. 5-10	C. N. Cosgrove
Minnesota	Hamlin	Sept. 1-7	J. T. Stinson
Missouri	St. Louis	Sept. 25, Oct. 1	W. R. Melfor
Montana	Helena	Sept. 25, Oct. 1	W. R. Melfor
Nebraska	Lincoln	Sept. 25, Oct. 1	W. R. Melfor
Oklahoma	Oklahoma City	Sept. 27, Oct. 9	I. S. Mahan
South Dakota	Huron	Sept. 12-18	C. N. McIlvaine
Texas	Dallas	Oct. 15-30	Sydney Smith
Utah	Salt Lake City	Oct. 2-8	Horace S. Ensign
Wyoming	Douglas	Sept. 27-30	C. H. McWhinnie

INTERSTATE AND NATIONAL EXPOSITIONS.			
American Royal	Kansas City	Oct. 10-15	A. M. Thompson
Colorado Interstate	Denver	Sept. 3-17	G. O. Fuller
International	Chicago	Nov. 26, Dec. 3	B. H. Helde
Interstate	St. Joseph, Mo.	Sept. 26, Oct. 1	M. P. Irwin
Interstate	Sioux City, Ia.	Sept. 19-24	Joe Morton
Mo. Valley Fair & Ex.	Kansas City, Mo.	Sept. 24, Oct. 9	M. G. Helm

## KANSAS FAIRS IN 1910

Following is a list of fairs to be held in Kansas in 1910, their dates, locations and secretaries, as reported to the State Board of Agriculture and compiled by Secretary F. D. Coburn:

Allen County Agricultural Society, Frank E. Smith, secretary, Iola; August 20-September 2.

Allen County—Moran Agricultural Fair Association, E. N. McCormack, secretary, Moran, September 14-15.

Barton County Fair Association, W. P. Feder, secretary, Great Bend.

Brown County—The Hiawatha Fair Association, C. A. Monney, secretary, Hiawatha, September 6-9.

Butler County Fair Association, W. F. Benson, secretary, El Dorado, September 20-23.

Butler County—Douglass Agricultural Society, J. A. Clay, secretary Douglass, September 28-October 1.

Clay County Fair Association, Walter Puckey, secretary, Clay Center, September 18-16.

Clay County—Wakefield Agricultural Society, Eugene Elkins, secretary, Wakefield, October 6 and 7.

Cloud County Fair Association, Fred W. Sturges, Jr., secretary, Concordia, September 20-24.

Coffey County Agricultural Fair Association, Henry Jackson, secretary, Burlington, September 27-30.

Cowley County Agricultural and Live Stock Association, F. W. Sidle, secretary, Winfield, August 30-September 2.

Cowley County—Eastern Cowley Fair Association, W. A. Howden, secretary, Burden, September 7-9.

Dickinson County Fair Association, Charles Morton, secretary, Abilene, September 27-30.

Douglas County Fair and Agricultural Society, Elmer F. Brown, secretary, Lawrence, September 27-30.

Elk County Agricultural Fair Association, J. J. Marshall, secretary, Grenola, September 21-23.

Franklin County Agricultural Society, J. E. Shinn, secretary, Ottawa, September 20-23.

Gray County Agricultural Society, Chas. E. Bull, secretary, Cimarron, September 29 and 30.

Greenwood County Fair Association, F. T. Scott, secretary, Eureka, August 23-26.

Harper County—Anthony Fair Association, L. G. Jennings, secretary, Anthony, August 2-5.

Harper County Agricultural Association, S. C. Lobaugh, secretary, Harper, September 21-30.

Leavenworth County Fair Association, C. A. Sparrow, secretary, Leavenworth, September 5-8.

Linn County Fair Association, John O. Morse, secretary, Mound City, September 27-30.

The Inter County Fair Association, C. A. Spencer, secretary, Oakley, August 31-September 1-2.

Lyon County Agricultural Society, D. P. Cowan, secretary, Emporia, September 20-24.

McPherson County Agricultural Fair Association, Carl A. Grant, secretary, McPherson, August 23-26.

Mitchell County Agricultural Association, W. S. Gabel, secretary, Beloit, September 28-October 1.

Montgomery County Fair Association, E. J. Irvin, secretary, Coffeyville, September 27-30.

Nemaha County Fair Association, W. H. Fitzwater, secretary, Seneca, September 14-16.

Ness County Agricultural Association, H. M. Gilmore, secretary, Ness City, September 28-30.

Norton County Agricultural Association, M. F. Garrity, secretary, Norton, August 23-27.

Ottawa County Fair Association, J. E. Johnson, secretary, Minneapolis, October 4-7.

Osage County Fair Association, E. J. Williams, secretary, Burlingame, September 6-9.

Pawnee County Agricultural Association, Harry H. Wolcott, secretary, Larned.

Pratt County Fair Association, E. L. Shaw, secretary, Pratt, August 16-19.

Reno County—Central Kansas Fair Association, A. L. Sponsler, secretary, Hutchinson, September 10-17.

Republic County Agricultural Association, C. M. Arbutnot, secretary, Belleville, September 6-9.

Riley County Agricultural Society, C. F. Clemer, secretary, Riley, October 11-14.

Rooks County Fair Association, Charles Riseley, secretary, Stockton, September 6-9.

Saline County Agricultural, Horticultural and Mechanical Association, O. H. Hocken-smith, secretary, Fallina, August 30-September 2.

Shawnee County—Kansas State Fair Association, H. L. Cook, secretary, Topeka, September 10-17.

Sheridan County Agricultural Association, C. R. Pearson, secretary, Hoxie, September 1-3.

Sheridan County—Selden District Fair Association, C. C. Malcolm, secretary, Selden, Aug. 30-Sept. 1.

Smith County Fair Association, H. C. Smith, secretary, Smith Center, August 30-September 2.

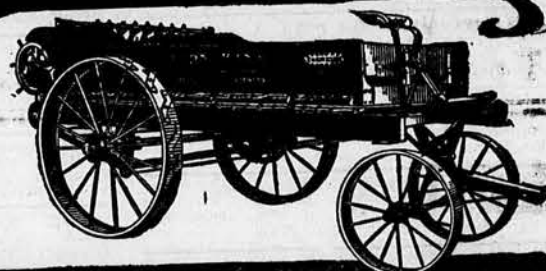
Stafford County Fair Association, Wm. Cadman, secretary, St. John, July 27-29.

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The frames of IHC spreaders are made of non-porous, heavy, hard, resinous wood stock, air dried so that the sap is retained. Compare this with the kiln dried wood used in many. When wood stock is air dried the resin cements the fibres together making it practically impossible for manure liquid to penetrate. Manure acids have no effect upon it.

Corn King and Kemp 20th Century Spreaders are of the return apron type. Cloverleaf Spreaders have endless aprons.

Lime hoods for spreading commercial fertilizers and drilling attachments to distribute manure in rows can be furnished on special order if desired.

All spreaders look very much alike—but it's their work in the field that proves their value. Examine the record of the IHC spreaders, compare them with others and you will be convinced.

Ask the IHC local dealer for proofs. Go over with him the details of their construction. Choose a Corn King, Kemp 20th Century, or Cloverleaf—whichever meets your particular need best. All are made in several sizes ranging from 30 to 70 bushels capacity. If you cannot get in to see your dealer right away, write direct for catalogues and full information.

INTERNATIONAL HARVESTER COMPANY OF AMERICA  
(Incorporated)

Chicago

U S A



## THE I-H-C LINE

LOOK FOR THE I. H. C. TRADE MARK. IT IS A MARK OF EXCELLENCE AND A GUARANTEE OF QUALITY.



# Reader's Market

## Place

**CLASSIFIED  
ADVERTISING**
**ONLY 3 CENTS  
PER WORD**

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in amount or numbers hardly enough to justify extensive display advertising. Thousands of other people want to buy these same things. These intending buyers read the classified "ads"—looking for bargains. The "ads" are easy to find and easy to read. Your advertisement here reaches a quarter million readers for 3 cents per word, for one, two or three insertions. Four or more insertions, the rate is 2½ cents per word. No "ads" taken for less than 20 cents. All "ads" set in uniform style, no display. Initials and numbers count as words. Address counted. Terms always cash with order. Use these classified columns for paying results.

### HELP WANTED.

**WANTED—MAN AND WIFE TO MANAGE** dairy farm. One experienced in cows and milk production. Good wages and fine place for competent man. Address S. T. J., care Kansas Farmer.

**WANTED—ECONOMICAL AND PARTICU-** lar people to take advantage of our prices and services. Western Printing Co., Ptg. Dept. of Kansas Farmer, Topeka, Kan.

**FARMERS WANTED—TO PREPARE** for October 12th government farmer examination. High salary. Free living quarters, fuel, light, etc. Write, Ozment, Dept. 44-F, St. Louis.

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

**SALESMEN—TO SELL GROCERIES** AT wholesale direct to farmers, ranchmen, etc. Good pay; steady work; latest plans. Our groceries are better than ordinary stores sell and save customers 25 per cent. Build a permanent business that will pay better than a store. Apply with references—K. F. Hitchcock-Hill Co., Wholesale Grocers, Chicago.

### REAL ESTATE.

**BUY OR TRADE WITH US. SEND FOR** list. Bersele-Meredith, Eldorado, Kan.

**160 ACRES, 3 MILES OUT, TERMS EASY,** \$2000. W. E. Burk & Son, Topeka, Okla.

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

**EXCHANGES, QUICK SALES, LARGE** list. Address Room 1, Continental building, Omaha, Neb.

**160 ACRES LANE COUNTY, FINE** smooth land, five miles from town; must sell; only \$1500. Porter Young, Great Bend, Kan.

**WILL YOU BUY OR SELL A FARM OR** stock ranch, bank stock or mortgages? Write Frank J. Brown, Financial Agent, 17 Columbian Bldg., Topeka, Kan.

**CHEAPEST 160 A. IMPROVED FARM** in Kansas. 14 miles from Topeka, 4 from shipping town. W. R. Hazen, Owner, Topeka, Kan.

**CATHOLICS—BUY FARM NEAR OUR** \$90,000 church. Seven priests. Catholic community. Land \$25 to \$65. Circulars free. Ed. George, St. Paul, Kan.

**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.

**COLORADO LAND—60 MILES FROM** Denver, near Deer Trail, Colo. 2 sections; fenced; abundance of water; near school; \$10 per acre cash. Snap. Thomas C. Scott, Owner, 392 Boston Bldg., Denver, Colo.

**TILE BROOK FARM HAS FOR SALE** yearling Hampshire rams. Sired by an imported Coles ram that was first and champion at four state fairs. E. E. Hazen, Hlawatha, Kan. Four or five barrels of pure cider vinegar, 2 years old, for sale.

**2 MILES FROM KANSAS STATE AGRI-** cultural College. Choice bottom tracts b or more. One mile from Manhattan. Easy terms. A. M. Jordan, Owner, Route No. 4, Manhattan, Kan.

**FOR SALE—7-ROOM HOUSE, 3 COR-** ner lots, bath, barn, cement walks and cellar, fruit. Regular price \$2800, now \$2250. Located at 207 The Drive. Address 710 Clay St., Topeka, Kan.

**TEXAS GULF COAST PRAIRIE LAND** for sale; close to railroad and good schools. In all size tracts and at reasonable prices. Apply to G. T. Reinhardt, East Bernard, Texas.

**MISSOURI FARMS, 90 MILES EAST** Kansas City. No better stock and grain farms; grows corn, clover, bluegrass. Prices \$40 to \$80; terms; free list. J. K. McConnell, Ionia, Mo.

**FOR SALE—CLOUD COUNTY—80 ACRE** 3 miles southwest of Concordia, Kan. has five room house and other improvements. Price \$4200. Terms if desired. Address owner, Dr. O. F. Marcotte, 625 Kansas ave., Topeka, Kan.

**ABSOLUTELY FREE—THOMPSON'S** Real Estate Bulletin Shawnee Co., Kan., farms, near Topeka. Fine unimproved agricultural lands in Missouri, Kansas, Colorado, Texas and Old Mexico, \$8 to \$15 per acre; easy terms. Address J. E. Thompson (The Farmer Land Man), Tecumseh, Kan.

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

**COLORADO IRRIGATED FARM, 160** acres, guaranteed water rights; 60 acres alfalfa, near two good towns, 33 miles from Denver. We have others. Denver-Laramie Realty Company, 915 Seventeenth St., Denver, Colo.

**MISSOULA, MONTANA: AN ACTIVE,** wide-awake city of 20,250; ideal climate, pure water. Elevation and soil unexcelled for fruit, grains and vegetables. Montana leads the U. S. in production of wheat, oats, rye, hay and potatoes. Write for booklet K. Chamber of Commerce, Missoula, Mont.

**WANT TO PURCHASE—UNIMPROVED,** good, low priced western Kansas land, for speculation. Price must make them a special buy or snap. Land Investment Company, Chanute, Kan.

### HORSES AND MULES.

**FOR SALE—ONE COMING 3-YEAR-OLD** registered Percheron stallion, weight 1750; Casino blood; sound and one of the best. Price \$1500. Jess Shaffer, R. R. 5, Girard, Kan.

### CATTLE.

**FOR SALE—BUTTER BRED HOLSTEIN-** Friesian bull calves by J. P. Mast, Scranton, Kan.

**FOR SALE—BAR V. HADRIA LAD NO.** 69443, Holstein-Friesian bull, 5 months old; well grown. For price and breeding write W. E. Bentley, Pen Dennis, Kan.

### POULTRY.

**ORPINGTONS—BUFF WHITE, BLACK,** fine chickens, \$4 to \$15 per dozen. Mrs. Lizzie B. Griffith, Emporia, Kan.

**KELLERSTRASS SINGLE COMB CRYSTAL** White Orpingtons; also Cook strain of White Orpingtons. Stock and eggs for sale. Mrs. R. A. James, Eueka, Kan.

**FINE BARRED ROCKS—GOOD LAY-** ers; farm range. Eggs \$1 for 15 or \$1.75 for 30, or \$5 per 100. Mrs. John Yowell, McPherson, Kan.

### SHEEP.

**SHROPSHIRE SHEEP, SPRING RAMS,** of best of breeding and quality at reasonable prices. J. W. Johnson, R. No. 3, Geneseo, Kan.

**FOR SALE—125 IMPORTED AND** home bred Shropshire ewes and ram lambs. The best of breeding at reasonable prices. J. W. Johnson, R. No. 3, Geneseo, Kan.

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

### DOGS.

**POINTER PUPS, JUST RIGHT TO** train; males \$10. Rodger Blanchard, Bennington, Kan.

**PEDIGREED SCOTCH COLLIES FROM** choicest stock; also bred Poland Chinas; farmers' prices. Catalog free. Lawndale Seed Farm, Hiawatha, Kan.

**FOR SALE—FINE BROWN AND** black Spaniel puppies, "the children's friend." Fine house and watch dogs and great playmates for children. Males \$10, females \$6. Also pedigreed Berkshire pigs. Satisfaction guaranteed. Address Thorndale Kennels, Wayne, Kan.

### HONEY.

**HONEY—TWO 60 POUND CANS, \$8.50;** single cans, \$4.50. W. F. Morley, Las Animas, Colo.

**NEW ALFALFA HONEY—TWO FIVE** gallon cans, \$10; broken comb, \$11; fancy comb, \$3.25 per case, 24 sections. A. S. Parson, Rocky Ford, Colo.

### SEEDS AND PLANTS.

**ALFALFA SEED, TEN DOLLARS, 1910** crop. Sample sent on request. Wallace County Seed and Grain Co., Sharon Springs, Kan.

**KHARKOF SEED WHEAT, COLLEGE** bred, re-cleaned, in lots of 10 bushels or more, \$1.25 sacked. Oliver Dilsaver, Athol, Kan.

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

**WANTED—NEW CROP ENGLISH BLUE** grass or Meadow Fescue, Timothy and other grass seeds. Correspond with The Barteldes Seed Co., Lawrence, Kan.

**FOR SALE—ALFALFA, MILLET, CANE,** buckwheat, turnip and other seasonal seeds. Prices and samples on application. The Barteldes Seed Co., Lawrence, Kan.

**KHARKOF WHEAT—I HAVE SEVERAL** hundred bushels of this noted wheat for sale at \$1.35 per bu., f. o. b., St. Louis, Neb. Yield larger, withstand winter better than other varieties. Will not last long at this price. J. W. Matson, Route No. 3, Stromsburg, Neb.

### MISCELLANEOUS.

**WILL EXCHANGE RAMBLER TOURING** car for land; will assume. Salina Investment Co., Salina, Kan.

**FOR SALE—HOG WATERER THAT** won't freeze in the winter. Given on free trial. Wm. McNeefee, Atlantic, Iowa.

**WANTED—SNAKE ROOT OR NIGGER-** head, as it is commonly known. Write for prices and description. Fred Lawson, Stockton, Kan.

**FOR SALE—NEW HAY TEDDER,** never used, splendid tool for clover. Price reasonable. If taken soon. H. W. McAfee, Route 2, Topeka, Kan.

### ACETYLENE GAS LIGHTS.

**THE BRAUER ACETYLENE GENERA-** tors give their users perfect satisfaction. Write for catalog and prices. Henry E. Peers, 1403 Western ave., Topeka, Kan.

### PATENTS.

**SEND FOR FREE BOOKLETS—ALL** about patents and their cost. Shepard & Campbell, 510 J. Victor Bldg., Washington, D. C.

### TOBACCO.

**80,000 POUNDS BEST 3 AND 4 YEAR-** old leaf tobacco for sale. Send stamps for samples to Anton Wavrin, R. No. 5, Frankfort, Kentucky.

### KANSAS LAND.

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

**Clark County Farm.** 520 acres, small set improvements, 300 in cultivation, 10 miles R. R. town, \$25 per a. Lands for sale in any size tracts to suit purchaser, at low prices. HALL & CLARK LAND CO., Minneola, Kansas.

**Miami County Land.** For free information about eastern Kansas land, where corn, wheat, timothy, clover, bluegrass and all tame grasses grow at \$40 to \$75 per acre, write or see the PAOLA LAND & LOAN CO., Paola, Kansas.

**ANDERSON COUNTY.** For home and investment. 160 acres, three miles of town, improved, \$45 per acre, 1-3 down, good terms for balance. New list free. Holcomb Realty Co., Garnett, Kan.

**Fine Suburban Home.** 22 acres adjoining this city of 1200, good six room house, good barn, four acres small fruit, ground lays nice and is a fine suburban home. DONAHUE & WALLINGFORD, Mound Valley, Kansas.

**HERE IS CORN FARM FOR YOU.** 152 acres, 3½ miles from this city, ¼ mile to flag station and stock yards, all rich black limestone soil, 100 acres now in corn, five room house, large barn and out-buildings, lays nice. A snap at \$6400. Will carry half at 6 per cent. DONAHUE & WALLINGFORD, Mound Valley, Kansas.

**AT A BARGAIN.** Four 160 acre farms in Lyon county each containing pasture, meadow, orchards, springs and land under cultivation. Two with house and barns on. These quarters all join each other length ways and are well fenced. This land must be sold soon to settle an estate. Time given on one-half. Address TROUTMAN RANCH, Comiskey, Kansas.

**COME TO LIBERAL.** New lists Seward and Stevenson Cos., Kan. Beaver and Texas Cos., Okla. Wheat and broomcorn land, \$10 to \$25. KAN. & OKLA. LAND CO., Liberal, Kan.

**THE PLAINS LIMITED.** Write for it today. Tells how to make big money in Plains City lots. Price \$22.50 to \$50. Easy terms. Mechanics, clerks, small investors, farmers, now investing in Plains. Prices increasing rapidly. Postal will bring full information. JOHN W. BAUGHMAN, Plains, Kansas.

**30 ACRES adjoining Liberal, all in cul-** tivation, fenced on three sides, all to be sowed to wheat, 1-3 delivered goes to purchaser, price \$45 per acre; terms. Other bargains \$7 to \$25 per acre. Descriptive literature and list free. MACKAY & EVANS, Liberal, Kansas.

**FORD, Clark, Meade and Gray county** corn and wheat land at \$15 to \$30 acre, on good terms. Write for new list, mailed free. H. E. MOORE LAND CO., Bucklin, Kansas.

**BARGAIN.** In Artesian Valley, alfalfa land, 480 acres, all irrigated, 2 miles Fowler, 100 acres, only 8 to 12 feet to water, artesian well, fine land; snap at \$40 acre, ½ cash, bal. 3 years at 6 per cent. I own other farms; will sell. E. L. WATTS, OWNER, Fowler, Kansas.

**CHEAPER THAN STEALING.** 210 acres 7 miles from town. 70 acres partly bottom under cultivation, balance fine limestone pasture and mow land. All watered by creek. Part of this is nice and smooth, and part a little rough, but fine pasture. Price \$13 an acre. \$3000 cash handles it. This land is selling fast and prices advancing. Write for big list today. D. M. WATKINS, Moline, Elk County, Kan.

**A NORTHEAST KANSAS SNAP.** 240 ACRES \$7500. 240 acres in Jefferson county, 3½ miles McLaugh, 40 miles Kansas City, new 4 room house, good barn, 2 chicken houses, R. F. D., telephone line, ¼ mile school. Half in cultivation, balance good timber and grass land. This is a bargain. Send for list. W. M. Pennington, McLaugh, Jefferson Co., Kan.

**GOOD NEWSPAPER PROPOSITION.** Only paper in the town in eastern Kansas. Doing more business each year than is asked for it. The owner sell on account of health failing him. This is one of those real opportunities, only available when someone has made good and breaks down in the harness. Cash proposition. Price \$3500. Michael & Goudy, Waverly, Kan.

**EASTERN KANSAS FARM BARGAIN.** 160 acres, 6½ miles from Osage City and 2½ miles from Barclay, Kan. 85 acres under cultivation, 2 acres orchard, balance native grass, 6 room house, barn for 8 horses with loft, cow barn, corn crib, hen house and other outbuildings, plenty of good water, all smooth land. R. F. D. and phone, 65 acres of corn goes with farm if sold in 30 days. Price \$7500. For full particulars write J. C. RAPP & CO., Osage City, Kansas.

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

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

**160 ACRES, 11 miles Plains, 11 miles Jas-** per, both good shipping points, level roads; perfect quarter of buffalo grass land. Price \$13 an acre; terms. No adjoining lands can be bought for less than \$15 an acre. Other bargains. FULLINGTON & MARBS, Meade, Kansas.

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

**FINE QUARTER, \$1500.** 160 acres, good level land very fertile, 40 ready for wheat. A snap. Don't delay, act now. Land for sale in any size tracts, at low prices on good terms. Write for low list. THAYER LAND CO., Liberal, Kansas.

**Meade County Lauds For Sale or Exchange.** Raw and improved farms and ranches. \$9,000 telephone exchange. Attractive terms on all kinds of property. Call on or address BOYER & WYATT, Plains, Kansas.

**SMALL FARM & STOCK RANCH.** 960 acres, ten miles Meade, fenced, cross fenced, good house and other farm buildings, 40 per cent. tillable, 40 acres subirrigated, alfalfa land, living water; well adapted to general farming and stock raising. \$8 per acre reasonable terms. FIDELITY LAND & TRUST CO., Meade, Kansas.

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

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

**KRAMER'S JERSEY CATTLE.** For sale—Jearsey bull calf 6 months old. Mulberry fawn, nice individual, sired by Evrine's Buster 8548, an intensely bred St. Lambert bull, nine of his nearest dams having average record of 21 pounds butter for one week, dam of calf Flying Fox breeding with record of 40 pounds of milk. Will price reasonable. D. A. KRAMER, Washington, Kan.

**ALVEY BROS., O. I. C. BREEDERS.** Have pigs for sale; also 3 good corn quarters, one 80 and one 120 acres for sale reasonably. Address ALVEY BROS., Meriden, Kansas.

**SHROPSHIRE.** MY HERD RAM FOR SALE. This ram is 2 years old and the finest of his kind. I paid \$50 to George Allen of Lexington, Neb., for him as a yearling. Price \$30. Choice 3-year-old breeding ewes \$20. Choice ewe lambs \$25. Fair breeding ewes \$10 to \$15. L. E. HAZE, Centralia, Kansas.

**EXPANSIVE.** one of the largest and best sons of Expansion, heads my herd of large, smooth Poland Chinas. A few choice pigs sired by him for sale. FALL SALE NOVEMBER 1. H. B. WALTER, Effingham, Kansas.

**L. M. PENWELL** Funeral Director and Licensed Embalmer. 511 QUINCY ST. TOPEKA, KAN

**FIELD NOTES.** FIELD MEN. O. W. Devine.....Topeka, Kan. Jesse R. Johnson.....Clay Center, Kan. R. G. Sollenbarger.....Woodston, Kan.

**PURE BRED STOCK SALES.** Horses. Oct. 26—W. S. Corza, Whitehall, Ill.

Percherons, Belgians and Shires. Nov. 1, 2, 3, 4, 1910—Breeders' Sale Co., Bloomington, Ill.

Nov. 8—Sale at farm. J. C. Robison, Topeka, Kan.

Jan. 10, 11, 12, 13, 1911—Breeders' Sale Co., Bloomington, Ill.

Feb. 28 and March 1, 2, 3, 1911—Breeders' Sale Co., Bloomington, Ill.

Percherons. Oct. 10—J. W. Barnhart, Butler, Mo.

Hereford Cattle. Nov. 10—T. I. Woodall, Fall River, Kan.

Nov. 15—O. Harris, Harris, Mo.

Holstein Cattle. Feb. 7, 8, 1911—Rock Brook Farm, Sta. B. Omaha, Neb. 160 head will be offered. (Continued on page 23.)



# Kansas Land

## EASTERN KANSAS FARM BARGAIN.

120 acres 3 1/2 miles from Osage City, Kansas, 60 acres under cultivation, 5 acres good orchard, balance native grass meadow and pasture, 4 room house, good cave, stable for 6 horses, corn crib, hen house, plenty of good soft water on farm, close to school, R. F. D. and phone. Price if sold soon \$45.00 per acre.

J. C. RAPP & COMPANY,

OSAGE CITY, KANSAS.

## IF YOU WANT the RIGHT LAND

at the right price in the right place, from the right man.

Write right now to

H. D. HUGHES,

McDONALD, KAN.

## Real Estate Dealers, Attention!

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

Roy O. Housel, 625 1-2 Jackson St., Topeka, Kan.

## WICHITA COUNTY

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

ALBERT E. KING,

McPHERSON, KAN

## A GOOD STOCK FARM.

480 acres, 100 in cultivation, 320 acres in pasture and meadow, 35 acres fenced hog tight, 20 acres in alfalfa, land in cultivation is all fine black soil, second bottom, and is very productive, watered by five good wells, small orchard and some timber. Large 8-room house, barn for 12 horses, cattle barn, hog house, two large chicken houses, cave and cellar, located 5 miles from one railroad town, 7 miles from another, in Greenwood Co., Kansas. Price \$14,500. R. F. D. and telephone.

THE NELSON REAL ESTATE & INS. CO., 137 N. Main St., Wichita, Kansas.

## EXCEPTIONALLY FINE FARM FOR SALE

Northeastern Kansas farm of 300 acres. Has been well farmed for 20 years. The rich soil has been improved by judicious crop rotation and the liberal use of manure. Well watered, fine walnut timber, finest bluegrass pastures, alfalfa, timothy and clover meadows; finest wheat and corn land. Well fenced. Have cattle and horse barn for a large number of live stock. Large silo, water tanks, granary and fine mill, with other improvements to make it as nearly a perfectly improved farm as money and thought can do. It is a model stock or grain farm, ready for use. It is a most excellent opportunity to get as fine a farm as lies outdoors, and in a country where crop failure is unknown. Lying only 40 miles west of St. Joseph, Mo., and adjoining a thriving railroad town, it is at the doors of the best markets in the West.

For full information, price and terms, address A-130, care Kansas Farmer, Topeka, Kan.

FOR FREE INFORMATION about Thomas and adjoining counties, write to or call on Trompeter & Son, Colby, Kansas.

FOR SALE—200 acres, all bottom land, no overflow, all tillable, fine improvements, \$65 per acre. Other bargains. J. C. Wise, Baldwin, Kan.

H. J. SETCHELL & SON, Real Estate, Morland, Kan. Send for free list of Graham and Sheridan county lands.

## MONTGOMERY COUNTY LANDS.

Montgomery county is second in population and 5th in wealth in Kansas. Write for list of choice farm bargains and prices. W. J. BROWN & CO., Independence, Kan.

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

## IF YOU WANT

to buy Trego County corn, wheat and alfalfa land, at \$15 to \$40 per acre, write for free information about this section.

SWIGGETT, THE LAND MAN, Wakeeney, Kansas.

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

## 1120 ACRE COMBINATION RANCH.

25 head horses and colts, above average, and one registered Percheron stallion. Write for particulars. 80 acres first-class alfalfa land in famous Artesian Valley at a great bargain. WM. MILLER, Meade, Kansas.

ELLIS AND TREGO COUNTY LANDS at the lowest prices on the best of terms. Write for list, sent free.

C. F. SCHEPMANN, Ellis, Kansas.

## FREE

list of lands, ranging in price from \$10 to \$30 per acre, well located, near churches, schools and markets in Rawlins and Cheyenne counties, Kansas, and Hitchcock Co., Nebraska. Send your name today.

S. C. ALLEN, Herndon, Kansas.

## MEADE COUNTY BARGAIN.

320 acres Meade Co., Kan., small house, good well and windmill, barn, all fenced, 175 acres in wheat, all of which goes to purchaser, 7 miles of Plains, Kan., close to school and church. Write for others.

CARLISLE & DETTINGER, Meade, Kan.

JEFFERSON AND ATCHISON COUNTIES. Improved farms that are rapidly increasing in value, that produce big crops of all staples, for \$60 an acre and up, according to location and improvements. Also some good exchange propositions. Write for full information.

George J. M. Roger, Valley Falls, Kan.

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

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

SIMON LAND CO., Garnett, Kan.

## EASTERN KANSAS BARGAINS.

200 all smooth, new impr., \$50, 139 a., fair impr., all smooth, some timber, \$45, 120 a., no impr., owner wants livery stock.

W. K. SHAW, Garnett, Kansas.

## FRANKLIN COUNTY.

Heart of corn, clover and bluegrass belt. Prices lower the farther west. New eight page list free to buyers. Send your name.

Princeton Land Co., Princeton, Kan.

## MARION, MORRIS AND DICKINSON

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

T. C. COOK, Lost Springs, Kansas.

IMPROVED Anderson county corn, wheat, oats and alfalfa farms at \$40 to \$60 per acre. Write for our free list. Also good exchange propositions. Rice-Daniel Land Co., Garnett, Kan.

## FOR REPUBLIC COUNTY.

Corn, wheat and alfalfa lands, at reasonable prices on good terms. Write or see HALL & CARTENSEN, Belleville, Kansas.

IF YOU want to buy an improved Franklin county farm, for \$40 to \$75 per acre, write to or call on

C. W. FEUERBORN,

Richmond, Kansas.

## TREGO COUNTY LAND

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

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

70 ACRES, 3 1/2 miles Kelly, Catholic settlement; 5 acres alfalfa, 12 timothy and clover, 15 pasture, balance cultivated; good house, barn; hog and cattle sheds; two wells, windmill; fine orchard, all kinds fruit, \$6,500. New list free. Trading a specialty. Write me what you want.

O. J. HOLLAND, Goffs, Kan.

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

If you want to buy a good home, or make a paying investment, where corn, clover, bluegrass and staples grow to perfection, write or call on me. Can sell you improved farms for \$45 to \$65 an acre.

ALVA HARDEN,

Ozawie, Kansas.

## LIVE AGENT WANTED

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

FRIZELL & ELY, Larned, Kansas.

## NEMAH COUNTY, KAN., BARGAIN.

100 a. farm, lying 7 miles S. W. Cornling, 90 a. corn land, 8 a. prairie meadow, 2 a. fine orchard. Land not rough, stony, nor ditchy. Good 5-roomed house, barn and other outbuildings, extra good water, one mile to school, R. F. D. and phone line. Can be bought on March 1, settlement 1911, at \$60 per a. Good terms. Other propositions.

C. E. TINKLIN, Cornling, Kan.

## SOMETHING GOOD.

200 acres, adjoining a small town in Sumner county, good 5-room house, new barn 32x40, granary for 1500 bushels. This farm lies fine, deep rich soil, all tillable, except possibly 5 acres, 160 in cultivation, 40 in pasture. If you are looking for SOMETHING GOOD, at a low price and easy terms, do not let this get away from you. Price \$55 per acre; \$5000 can be carried back on long time.

SHARP REALTY COMPANY,

Turner Building, Wichita, Kansas.

FINE IMPROVED 160, 5 miles out, \$5,700; terms. L. F. Thompson, Norwich, Kan.

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

NELSON LAND CO., Clyde, Kansas.

## LANE COUNTY, KANSAS.

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

WARREN V. YOUNG,

Dighton, Kansas.

## NORTHEASTERN KANSAS FARMS.

For sale or exchange natural home of corn, clover, bluegrass and all staples, as well as fat cattle and hogs. Also city property and stocks of merchandise for sale or exchange. Large 16 page list free.

COMPTON, THE LAND MAN,

Valley Falls, Kansas.

## FOR HOMESSEEKER OR INVESTOR.

Kiowa and Calvary Creek Valley, Comanche County, Kansas. Alfalfa land \$20 to \$35, rapidly advancing. Great opportunities for homeseeker or investor. Write for our large list of bargains, mailed free and postpaid.

PIONEER REALTY CO., Protection, Kas.

## 1,280 ACRE IMPROVED RANCH.

7-room frame house, good barns, granaries and sheds, scale house, dipping vat, fenced, plenty water, 350 acres in cultivation, 14 miles from county seat, 2 miles to new town, on new railroad. A big bargain at \$25 per acre.

KIRKBERG & MILLER, Ness City, Kansas.

200 ACRES, 10 miles from Delphos, 40 a. pasture, 160 in cultivation, 175 can be cultivated, creek, plenty of fruit for family use. Good house, barn and outbuildings. One of the best corn and alfalfa farms; can be bought for \$75 per acre; 1/4 cash, bal. 6 per cent.

Box 114, Minneapolis, Kansas.

180 ACRES, 1/2 mile from "Baker University" townsite; good rich black limestone soil; 9-room house, two barns, hog sheds, large hay barn, splendid corn and timothy land. Well worth the money. Price \$75 per acre.

Wm. H. Holliday, Baldwin, Kansas.

FOR SALE—193 a., 6 mi. Garnett, 3 mi. Haskell on Mo. Pac. R. R., 120 a. valley and slope land in cult.; balance rough pasture with limestone rock on 1-3 of it, well fenced and cross fenced; new 6 r. house; splendid barn 32x42; 2 good wells; family orchard. A snap at \$5,500. New list free.

Sewell Land Co., Garnett, Kan.

## LOW-PRICED NORTHEASTERN KANSAS LAND.

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

The Owl Land Agency, Ozawie, Kansas.

## ASK WHY LAND IN SHERMAN COUNTY, KANSAS.

will make the investor or the farmer money purchased at present prices.

Many inducements here that are not to be found elsewhere.

T. V. LOWE REALTY COMPANY,

Goodland, Kansas.

## 435 ACRE FARM—DIRT CHEAP.

435 acres, 2 to 8 mi. from 6 towns, Linn Co., Kan. Rich soil, small grain, corn and tame grass farm. Improvements worth \$5,000; good repair. All fenced; part hog tight. A genuine bargain for \$27.50 per a. Large list and detailed description free.

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

## FARM BARGAINS.

Nice 240 acre farm located 3 mi. from town, good improvements, plenty of "good water, price \$65 per acre, owner offers to trade up to half value for western land and will take a loan on the farm or cash for the difference. What have you to offer?

MANSFIELD LAND CO.,

Ottawa, Kan.

## THE BEST TOWN TO LIVE IN.

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

SECRETARY OF THE COMMERCIAL CLUB

Topeka, Kansas.

## A FINE RANCH ON EASY TERMS.

A fine level ranch of 1,330 acres located in Sherman County, Kansas, 4 miles south of Ruleton, the first station west of Goodland, on the main line of the Rock Island railroad. All tillable, new frame dwelling, 28x42 feet, five rooms, with pantry, closets, small hall and cellar, frame barn 49x32 feet, frame granary 20x40 feet, frame stable 20x32 feet, frame cattle shed with straw roof 64x20 feet, good well, windmill, two large tanks, with abundant supply of the finest water on earth; cannot pump, the well dry. Milk house, hog house, feed rack and corrals. About half cash, balance 5 years at 6 per cent. Will be sold soon. Can give possession any time. Come at once and see it and procure a bargain. Call on or address

G. W. SAPP, Goodland, Kansas.

## 1600 A. IMPROVED LAND.

Four mi. from Meade, nearly all smooth, wheat, corn and all kinds of grain land. Owner has raised 50 bu. oats, 50 bu. barley, 30 bu. wheat, 35 bu. Kafir corn and 55 bu. corn per acre on said land. Alfalfa can be raised successfully by proper cultivation, 1 mi. to R. R. station and elevator. At present the land is operated as one farm, but could be conveniently cut up into three or four farms. Titles are all good, no incumbrances, good terms can be given if desired. There is about \$6,000 worth of stock; all will go with the place if sold soon at \$25 per a.

320 a., 4 mi. from county seat, 280 a. perfect and smooth, balance good pasture land. Price \$15 per a.

160 a., 3 miles from Meade, 5 flowing wells, 65 a. in alfalfa, some timber, fair improvements, in the heart of the artesian valley. Price \$65 per a.

HULBERT & BLACK, Meade, Kansas.

## MEADE, GRAY AND FORD COUNTIES.

The wheat, corn and alfalfa country of Kansas. Special—4 quarters in Gray county, level good land, near school and R. F. D.; 2 sets of improvements, \$15 an acre. Write quick if you want a snap. List free.

THOMAS W. HOTZ,

Fowler, Kansas.

## ANDERSON COUNTY.

Wheat, oats, corn, tame hay and many other crops produce abundantly. Improved farms for \$30 to \$60 per acre. Big investment opportunity. Write for new list, mailed free.

GEO. W. ILER & SON, Garnett, Kan.

## CORN, BLUEGRASS AND ALFALFA LANDS

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

F. A. LAKE,

Ozawie, Kansas.

## REAL ESTATE! REAL ESTATE!

For free information regarding Jackson, Jefferson and Atchison county lands, also for real estate in Texas, Wyoming and Colorado and western Kansas, call on or address Wm. Harrison, Farmer State Bank, Whitlatch, Kan.

## NORTHEASTERN KANSAS.

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

E. L. HORTH, Centralia, Kansas.

SEVERAL good farms to trade for stocks of merchandise and land to exchange for city property. Land in the fertile Gulf Coast of Texas \$25 per acre on payments; fine climate, and farmers get rich in a few years. We go down twice a month. Write me for particulars. Henry G. Parsons, Lawrence, Kan.

## JOHNSON COUNTY FARMS.

440 a. and 700 a. about 3 mi. Olathe, spr.; best stock and grain farms in county, \$65 and \$90 a., respectively; liberal terms, 180 a. Lackman, Kan., on strong line, beautiful farm home, bargain. See us for any size farm.

JOHN S. FERGUS, Olathe, Kan.

## NESS COUNTY ALFALFA FARM.

160 acres, fair improvements, 6 room house, 6 mi. Ness City, 1 mi. school, most all fine first bottom alfalfa land, living water, telephone and R. F. D. Lines pass house, 90 acres in cult., 1/4 growing crop, all fenced and cross fenced. Inc. \$600, 5 per cent 2 1/2 years vet. To Sept 1 only, come quick. \$3200 buys it this month.

J. G. COLLINS, Ness City, Kansas.

## A BARGAIN AT \$55.00 PER ACRE.

80 acre farm located in one of the best farming and stock raising sections of Kansas; only 100 miles from Kansas City; 65 a. in cultivation, 15 a. hay and pasture, 5 room house and large barn 30x33, both in good condition, and several small buildings, 2 good wells and cistern, \$1500 cash, and time on balance to suit. Address Owner, R. F. D. No. 2, Box 34, Westphalia, Kansas.

## SHERIDAN COUNTY

LANDS MY SPECIALTY. WHITE M. D. GALLOGLY, REAL ESTATE BROKER, HOXIE KANSAS.

## WANTED, KANSAS WHEAT LAND

In exchange for electric light plant in county seat town in Eastern Kansas.

E. L. HULL, Oskaloosa, Kansas.

## 20 QUARTERS

Cheap land in Western Kan. and Okla. at \$1000 to \$1500 each, near town or on the new R. R. survey. Good quality and title.

H. M. DAVIS REALTY CO.,

Greensburg, Kansas.

## HERE YOU ARE

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

## Investigate!!

Fine bargains in 160 a. at \$8000, 120 a. at \$4200 and 80 a. at \$2200. Other good propositions for sale. Write for free list.

J. W. BRONSTON & SON, Garnett, Kansas.

## Eastern Kansas

80 acres, well improved, new buildings, every foot tillable, plenty of water and close to school, 5 miles of Richmond for \$60 an acre. Other farms for quick sale. Write the owner, Box 43, Richmond, Franklin county, Kansas.

## LOOK HERE

I offer this week a decided bargain in a section of smooth, raw land, 10 miles north of Brewster, Kan.; fine farms surrounding it, and crops to show what it will produce. This is one of the bargains and will not lay out long. Write for particulars to

KEE W. CRUMLEY,

Brewster, Kansas.

## FARM SNAPS

FARMS FOR SALE—Large list, correspondence solicited, ask for list. Desirably located. Thos. Darcy, Real Estate, Of-fer, Kansas.

## THE HOXIE REALTY CO.

Farms ranches and city property. Some of the best wheat, corn, alfalfa and hay land in the West. Also good business propositions in Hoxie. For further particulars write us.

HOXIE REALTY CO.,

Hoxie, Kansas.

## GOVE COUNTY LANDS

\$8 an acre and up. If you want a good home, and an investment that will double soon, write me.

THOMAS P. McQUEEN,

Treasurer of Gove Co., Kansas.



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160 ACRE  
smooth land,  
sell; only \$150  
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Write Frank  
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CHEAPEST  
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Located at 207  
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In all size tra  
Apply to G. T  
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Price \$4200. I  
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MIAMI COUNTY—Improved farms \$45 up,  
good terms. Cheaper and better than far  
ther west. List free. Carpenter & Peck,  
Miami Co. Bank Bldg., Paola, Kan.

### ANDERSON COUNTY FOR HOMES AND INVESTMENT.

Let us show you productive farms at at  
tractive prices and liberal terms. Holcomb  
Realty Co., Garnett, Kan.

### KIOWA COUNTY LANDS.

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

### \$20 ACRES SUMNER CO., KANSAS.

100 acres in cultivation; 25 acres alfalfa;  
bal. pasture; good 8 room house; outside  
cement cellar. Barn for 14 head of horses;  
granary and other outbuildings. Two good  
wells, windmill, several springs in pasture,  
nice orchard, 1/4 mile county seat; 5 miles  
small town. Price \$12,600. Inc. \$2,600. 5  
years at 6 per cent. Address P. H. L., care  
Kansas Farmer, Topeka, Kan.

### A BARGAIN ESTATE.

540 acres, 3 sets buildings, 2 story, 10-  
room house with porches, large barn, out-  
buildings, scales, good water, gas well, va-  
riety fruit, 5 room house and stable. Farm  
lays well, well located, telephone, rural  
route, 8 miles Paola, 2 miles church, 1/4 mi.  
school. Would make good farms. Price  
\$42,000.

### FLOYD LAND CO., Paola, Kansas.

### JEFFERSON COUNTY FARMS FOR SALE.

We have listed some of the best farms in  
this county and want you to come and see  
us if you want to buy. Here is one of the  
best corn farms in the county. 240 acres,  
1/4 mile from Oskaloosa, county seat. On  
this farm there is growing 200 acres of  
corn, a small patch of alfalfa, prairie grass,  
and about 15 acres of timber; can all be  
plowed but 20 acres. Improvements; one  
fair house and one tenant house, fair barn,  
large cattle shed, crib and plenty of water.  
Can sell for \$65 per acre for a short time.  
We have a large list of good farms for sale.  
For a square deal come and see or write  
FORD & WEISHARR,  
Oskaloosa, Kansas.

### EASTERN KANSAS BARGAIN.

80 a. 4 mi. town and high school, new 7  
room house, cement walks, good cement cel-  
lar, stable for 12 head horses, coal house,  
cow shed, apple orchard, 1,500 bu. this  
year, 400 bu. peaches, pears, plums, etc., 12  
a. clover, 15 a. hog tight, bal. in corn, good  
well at house, fine spring of water near  
barn, never fails, 1 mile to school. This is  
a snap and can't be duplicated. Is worth  
\$6,000, must sell and sell quick. Don't  
wait to write. Price \$5200.

### KNIGHT LAND CO., Moran, Kansas.

### MEADE COUNTY FARM

160 a. 7/8 mi. Meade in German settle-  
ment, fine land, unimproved. Snap at \$3200.  
\$00 other farms Meade county. Co-operative  
agents wanted. Write us  
PAYNE & McCABER,  
Hutchinson, Kansas.

### SOUTHEASTERN KANSAS FARMS

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

### THE BOWMAN REALTY CO., Coffeyville, Kansas.

### A BARGAIN

160 ACRES, all tillable, 1/4 mile from  
Meade, Kansas. House 4 rooms, barn, two  
wells, one flowing; 110 a. in cult., 15 acres  
in alfalfa, balance pasture. Price \$5,000.  
\$2,000 cash, bal. 3 years at 6 per cent.

### L. F. SCHUMACHER, Owner, Meade, Kansas.

### Corn, Wheat, Alfalfa

lands in Treco County, Kansas, where  
prices are advancing rapidly. Best oppor-  
tunities in Kansas for homemaker and in-  
vestor. Write for our list, mailed free and  
postpaid. Live agents wanted.

### D. W. KELLER LAND COMPANY, Wakeeney, Kansas.

### A GOOD RANCH

In Chautauque Co., Kan., 2046 acres, good  
improvements, good grass, plenty of living  
water, only two miles from railroad station.  
Will sell at a bargain or take some trade.

### LONG BROTHERS, Fredonia, Kansas.

### LAND SNAP

80 ACRES, Anderson County, Kansas, 6  
miles from Greeley, 7 miles from Garnett.  
60 a. in cult., balance meadow and pasture.  
160 a. joining Harris, Kan., all tillable.  
100 acres in cult., balance meadow and  
pasture. Price \$55 per acre, well improved.

### SPOHN BROTHERS, Garnett, Kansas.

### FOR SALE

Sherman county lands in any size tracts  
on most liberal terms. Write for prices,  
descriptions and illustrated literature mail-  
ed free and postpaid.

### IRA K. FOTHERGILL, Real Estate and Inv., Goodland, Kansas.

### FORCED SALE

Best located, and one of the best farms  
in Allen county; 486 acres, 3 miles from Iola.  
300 acres under plow, balance in grass. All  
tillable. Will sell all or divide to suit pur-  
chaser. Worth \$85 an acre. Will sell for  
\$50. Very easy terms. Must sell. Call on  
at address.

### THE ALLEN COUNTY INVESTMENT CO., Longton, Kansas.

# Colorado Land

## NEW LAND OPENING. NEAR PUEBLO, COLORADO.

Two miles from station on two trunk lines of railroad. Finest quality of alfalfa, fruit and vegetable land, ready for the plow with ample and perpetual water supply all ready to use. No failure here—water your own crops when they need it and get big results. Close to large markets with high prices. No healthier climate in the world. Good altitude, pure spring water. This is the lowest price, first-class irrigated land in Colorado, and the first allotment will be sold out with perpetual water right at less than one-half the price of adjoining irrigated lands. Get in now at first cost and double your money. Excursion every Tuesday. Come with us and look this great bargain over before prices advance. Low round trip rates. Write for free booklet. Do it today.

THE HEATH COMPANY, TOPEKA, KANSAS.

## WRITE OR CALL UPON US

for information about Eastern Colorado. We have 100,000 acres in the shallow water belt that will make \$100 alfalfa land, can be bought now for \$5 to \$15 per acre.

### Kit Carson Company

### Kit Carson, Colorado

LIVE AGENTS wanted to sell Washing-  
ton county land, big crops are being raised  
every year. Write for offer. The Clary  
Land Co., Akron, Colorado.

LIST OF LANDS for sale at \$5 per acre  
and up, free. \$20-acre homesteads located.  
Relinquishments for sale. R. A. Shook,  
Akron, Colorado.

\$7 to \$15 PER ACRE on liberal terms.  
Homestead relinquishments \$100 to \$300  
each. Where rainfall is plentiful and prices  
are rapidly advancing. Write for full in-  
formation stating what you want. Maher &  
Hanks, Deer Trail, Colorado.

HOMESTEAD RELINQUISHMENTS  
and cheap deeded lands. Kiowa county.  
is still cheap, but is bound to develop several  
times in the next few years. Write for  
further information.  
LINN & CHERMAK, Haswell, Colorado.

LANDS that raise big crops of all staples,  
near towns, churches, schools and neigh-  
bors. \$10 to \$25. Will locate you on a 320-  
acre homestead relinquishment. Act quickly.  
Write for full information.  
Empire Land & Cattle Co., Akron, Colorado.

SAN LUIS VALLEY.  
Irrigated lands with perpetual water  
rights in tracts to suit on easy terms.  
Prices still far below real value. Produce  
alfalfa, peas, potatoes, wheat, oats and fat  
stock.

### THE TRANS-MISSISSIPPI INV. CO., Inc., La Jara, Colorado.

YUMA COUNTY, COLORADO  
lands that raise big crops of all staples. \$10  
to \$15 per acre. Great opportunities for  
homesteaders and investors. I own a few  
quarters which I will sell cheap.

### A. L. KISSINGER, U. S. Commissioner, Yuma, Colorado.

KIOWA COUNTY, COLORADO.  
corn, wheat and alfalfa lands \$5 to \$15.  
Homestead relinquishments \$250 up. Folder  
and copy of the Homestead laws sent free.  
A few 150-acre homestead tracts under  
prospective irrigation yet. THE WESTERN  
REALTY CO., Eads, Colorado.

FAMOUS Grand River Valley lands pay  
big interest on capital invested. Prices ad-  
vancing rapidly; now is the time to buy.  
Write for large, 60-page descriptive pain-  
phlet, mailed free upon request.  
\$ FOR & REALTY COMPANY,  
Fruita, Colorado.

### LA PLATA COUNTY

Irrigated lands \$25 an acre and upward; in  
new country, about to be tapped by an-  
other railroad—the C. & S. Fruit, vegeta-  
bles and all staples produce big crops. Price  
lists and large pamphlet free.

### BOYLE REALTY CO., Durango, Colorado.

### LANDS! LANDS!

In the famous San Luis Valley. Land  
from \$40 to \$125. Crops abundant. Un-  
excelled water rights. We live here. are  
old ranchers here and own land here. Write  
for handsome illustrated booklet, mailed  
free. DWIGHT G. GOVE, Monte Vista, Colo.

### COLORADO FRUIT LANDS

that pay big interest on the capital in-  
vested. Reasonable prices and terms. Write  
for full information, stating what you  
want.

### PAUL WILSON, Hotchkiss, Colorado.

8000 acres choice land at \$1200 per qr., 1  
or all, 800 acres imp., good house and  
fenced, 120 a. broke. Price \$3000. A. J. will  
take \$2000 in trade and carry \$4000 back on  
farm. We have cheap relinquishments.  
Write us. The Akron Land Co. (Inc.), Akron,  
Colorado.

640 ACRES, fenced and cross-fenced, 12  
miles of Denver, three miles of Parker,  
Colo., well grassed, has living water suffi-  
cient to water 200 head of stock every day  
in the year. \$12 per acre, half cash, bal-  
ance in one and two years at 6 per cent.  
Several other bargains just as good. Write  
A. J. SIMONSON,  
214 Cooper Bldg., Denver, Colorado.

### I. L. DARBY THE PIONEER LAND MAN

Government and Deeded Lands and Town  
property, 320-acre Homestead. Snaps in re-  
linquishments. Write for new illustrated  
folder, mailed free.

### GROVER, COLORADO.

### EASTERN COLORADO

Farm lands near the new and rapidly  
growing town of Brandon for \$10 to \$15  
per acre. Great opportunities for homestead-  
er and investor. Write for full information.  
C. D. BIANCHARD, Brandon, Colorado.

### BUY IRRIGATED FARMS IN COLORADO.

All kinds for sale. Just the climate you  
want. National Irrigation Congress meets  
in Pueblo September 26. Low rates. Ask  
for information.

### E. BRAYTON, Pueblo, Colo.

FREE MAPS, handsomely illustrated lit-  
erature and valuable pamphlet describing  
the San Luis Valley. Write today. Illinois  
Realty Co., Monte Vista, Colo.

EASTERN COLORADO — The home of  
wheat, barley, millet, cane, broom corn,  
spelts and all staples. Lands are now very  
cheap, from \$3 to \$11 per acre for raw land  
and to about \$20 an acre for improved  
farms, but are rapidly advancing in price.  
Write for free printed matter, stating what  
you want.

### MCCRACKEN LAND COMPANY, Burlington, Colorado.

### KIT CARSON COUNTY, COLORADO.

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

### A. W. WINEGAR, Burlington, Colorado.

GOOD LAND, Kit Carson County, Colo-  
rado, \$5.50 to \$35. Why stay east and pay  
big rent when you can come to Kit Carson  
county and buy a home for the rent you  
pay for the eastern farm one year? Land  
produces wheat, barley, oats, corn, cane,  
alfalfa, etc. Write for colored map of Colo-  
rado, sent free.

### G. W. DINGMAN, Stratton, Colorado.

### BEST BARGAINS IN THE WEST.

Fruit and stock farm, well improved, in  
center of Montezuma valley, close to coun-  
ty seat; land will be worth several times  
its present value for orchard purposes; pays  
\$5 per cent annually on a valuation of  
\$25,000.

### VINCENT & WOODS, Cortez, Colorado.

### IMPORTANT MESSAGE TO CATTLEMEN.

250 head Hereford and Shorthorn cattle,  
cows, 2-year-olds, yearlings and calves with  
160 acres deeded land. Improved and lease  
on three sections. Plenty water; about 8  
miles of fence. Plenty good range. Lo-  
cated about 15 miles railroad town. Can be  
bought at very low price if taken at once.

### I. H. SHELTON, Ordway, Colorado.

BARGAINS IN IRRIGATED LANDS  
in the famous San Luis Valley. Good water  
rights go with the lands. 320 a., 4 mi. from  
Alamosa. Good improvements, grain, alf-  
alfa and hay. Two good artesian wells.  
Fine farm. Price \$50 per acre. 320 a. im-  
proved. Close to school. Fine soil, grows  
grain, alfalfa and potatoes. Great bargain  
at \$35 per a. 160 a. improved. Hay, grain  
and pasture, near school, \$30 per a. 320 a.  
partly improved, all fenced, rich soil.  
Splendid snap at \$25 per a. For further de-  
scription write

### BUTLER & HINES, Alamosa, Colorado.

SOMETHING FOR NOTHING.  
For every quarter section purchased from  
me I will give a Free Warranty Deed to  
Forty Acres of good land in a new and com-  
ing section of our valley. Come and see  
how I can afford to do it. Write for book-  
let. No agents. I sell my own lands.

### C. W. FOSTER, Monte Vista, Colo.

### 320 Acre Homesteads

There are only a few left, so you must  
act quickly. Also cheap deeded lands, in-  
cluding both stock ranches and farm lands  
and homestead relinquishments for \$150 and  
upwards. Write for descriptive circular,  
mailed free upon request.

### G. W. FRANK, Arlington, Colorado.

### HOTCHKISS, COLO.

In the best fruit section of the Western  
Slope. Good fruit land, with water right;  
can still be bought for \$100 to \$150 per  
acre. Values will undoubtedly double and  
treble soon. Send your name for large  
illustrated pamphlet mailed free.

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### EASTERN COLORADO LANDS

\$12 to \$25 per acre; about 1-3 cash, bal-  
ance to suit purchaser. Also homestead re-  
linquishments for sale cheap.

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### PAONIA, COLORADO

In the best fruit section of the Western  
Slope. Fruit land pays 20 per cent per an-  
num on the capital invested. Prices still  
reasonable, but advancing rapidly. Write  
for free illustrated folder, containing much  
interesting information.

### C. C. HAWKINS, Paonia, Colorado.

### Colorado Lands!

Send for our descriptive map folder of  
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We have many bargains in wheat and al-  
falfa lands, nice and smooth, at \$5.50 to  
\$20 per acre.

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EASTERN Colo. land wanted in exchange  
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Lands where big crops of potatoes, al-  
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The famous orchard district of the west-  
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Bearing orchards often pay \$500 an acre  
net profit per annum. Write for full infor-  
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500 FERTILE, IMPROVED, York state  
farms, \$10 to \$50 per acre. Write for de-  
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## WYOMING LANDS

### 30,000 ACRES JUST OPENED.

Carey Act lands at Wheatland, Wyoming.  
Obtain a home now that's sure to produce  
and double in value before paid for. Plenty  
of water now on the land. Also selling  
cheapest farm lands in Iowa Colony near  
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country.

Great alfalfa and grain crops grown here  
every year. Healthiest climate, purest  
water, good markets. For excursion rates,  
valuable maps, laws, write HARTUNG  
LAND COMPANY, Special State Agents,  
CHEYENNE, WYOMING.

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BENTON COUNTY, ARKANSAS, 30 years  
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ARKANSAS fruit, grain and stock farms  
at farmers' prices. Timber lands. Sam A.  
Clark & Company, Dept. C, Fayetteville, Ark.

### ALFALFA FARM \$15 PER ACRE.

567 acres, 200 in cultivation, 367 fine  
timber, rich bottom land, good for alfalfa.  
R. F. D., telephone, free stone water, good  
house and barn. Price \$15 per acre. Many  
other fine bargains. Write  
JAMES T. HENDERSON, Newport, Ark.

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If you want to know what W. N. Jones &  
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a farm near Montgomery, Ala., a postal card  
will bring you full information. The Busi-  
ness Men's League, Montgomery, Ala.

### N. W. ARKANSAS BARGAIN.

98 acres, 2 1/2 miles of R. R. station, 4  
roomed house and barn, fine spring in yard,  
60 acres bottom land in cult., 35 acres good  
timber, 1/4 mile to school. Price \$2,500.  
Write  
AUSTIN & DRENNEN, Gravette, Ark.

### FINE FRUIT FARM FOR SALE.

80 acres, 3 miles from Rogers, the queen  
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peaches bearing, 8 timber, balance cult.  
Good four room house, fine well, dandy out-  
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FREE literature describing and pricing  
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### GOOD RANCH.

3,368-acre ranch, improved, \$5 an acre.  
Robertson Co., 7 miles county seat. Ad-  
joining land couldn't be had for twice our  
price. Would sell part or all. All fine  
grass and much first-class farm land. De-  
tailed description and plat free.

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**W. H. DRINKER OF BELOIT, KAN.**  
Has had years of experience in putting in  
Air Pressure Water Works, buying tanks by  
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free, satisfaction guaranteed. Address  
**W. H. DRINKER,**  
Beloit, Kansas.

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**FREE INFORMATION** about Oklahoma  
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**FOR FREE** information about Eastern  
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**EASTERN OKLAHOMA LANDS** \$12.50  
to \$20 per acre for good Alfalfa Land.  
Titles perfect, easy terms. Further informa-  
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**EASTERN OKLAHOMA** corn and alfalfa  
land: abundant rainfall, beautiful climate,  
titles perfect, easy terms. Write **Hunter Land  
Co., Tulsa, Oklahoma.**

### CADDO COUNTY FARMS.

Best in Oklahoma for homes or invest-  
ment. Your address on postal card will  
bring descriptive list and literature.

### BALDWIN & GIBBS CO.,

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Improved farm, 160 acres, good, new  
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Very fine. Several other good bargains.  
Write me if you want to know about East-  
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### WASHITA VALLEY LANDS.

From \$10 to \$60 per acre offer great op-  
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located near railroads, towns, churches and  
schools. Write for further information.  
**JOSEPH F. LOCKE LAND & LOAN CO.,**  
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### A 160 ACRE FARM

near a town like Thomas, Okla., is a sure  
thing. Write for particulars. Don't fail  
to see our land before buying elsewhere.

### GRANT INVESTMENT COMPANY.

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### FOR SALE.

A well improved bottom farm of 584 acres  
on Grand River, six miles of railroad town.  
This is one of the best farms in Oklahoma.  
No overflow. No trade. Price \$50 per acre.  
Write  
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300 choice farms in N. E. Oklahoma.  
Low prices and easy terms. Write for  
map and price list.

### LEAVITT LAND COMPANY.

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Agents Wanted.

### CORN, OATS, WHEAT

and alfalfa and all staple crops grow to  
perfection here in the garden of Oklahoma.  
Prices reasonable. Write for list and de-  
scriptive literature.  
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### A FEW BARGAINS NEAR WAGONER, OKLAHOMA.

200 acres, 5 miles from town, good new  
5 room house and barn 60x80, all tillable.  
Price \$38 per acre, 40 acres 1/4 mile from  
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acre tillable. Price \$37.50 per acre. Write  
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200 acres, 7 miles from Muskogee, 2  
miles of railroad town, all good valley land,  
living creek water, 20 acres cultivated bal-  
ance meadow, all fenced. In white settle-  
ment, on main road, close to church and  
school. Price \$30 per acre.

Many other farms unimproved and unim-  
proved, at \$25 to \$35 per acre.

### R. B. BEARD & COMPANY,

Muskogee Oklahoma.

### CORN FARM.

160 a. 8 miles of good R. R. town, 12 miles  
of Medford, in consolidated school district.  
R. F. D., 100 a. in cultivation, balance pas-  
ture, large fine orchard, all kinds of small  
fruit, small house and barn, good water and  
mill, sub-irrigated land, sandy loam soil, 2  
miles of country store, large shade trees, a  
fine home. Price now \$4500, only \$2000 cash,  
balance to suit.

### BATTEN REALTY CO.,

Medford, Okla.

### "Hough Sells The Earth"

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

### 160 ACRES 160

Fine land, 100 acres in cultivation, 60  
miles from railroad. Price \$4,000. Terms  
on part.

### THE FIRST LOAN & MORTGAGE CO.,

Wagoner, Oklahoma.

### Another Bargain

160 acres of No. 1 bottom land, all in  
cultivation and improved. Ten miles from  
Ponca City and new road now building by  
the place. For particulars write  
**TRUMBLY & BARRETT,**  
Ponca City, Okla.

## NEBRASKA LAND

### LANDS AND RANCHES FOR SALE

120 acres, one mile from town, all bot-  
tom land, no overflow, alfalfa land. Good  
improvements. Send for photo.  
**M. W. SWAN,**  
Halgier, Nebraska.

## BEAR RIVER VALLEY IDAHO LANDS

Rich, productive, deeded land on railroad,  
excellent markets, schools, free range, cli-  
mate, low prices. Write for descriptive  
bulletin giving full particulars.  
**B. R. V. Land Company A St. Montpelier, Ida.**

## MISSOURI LAND

**IMPROVED** corn, clover and blue grass  
farms 40 miles south Kansas City, \$50 to  
\$75 per acre. **Jot M. Wilson & Son,** Har-  
risonville, Missouri.

**IF YOU WANT A HOME** in the Ozarks,  
where the water is pure, write for my free  
list. Low prices. **G. W. Peck, Dixon, Mis-  
souri.**

**FREE INFORMATION** about S. E. MIS-  
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per acre. Write **McHenry Realty Co., Pied-  
mont, Mo.**

**OZARK FARMS,** some well improved, \$3  
to \$30 per acre. Timber lands, \$5 to \$10.  
Write for price list **McDonald & Son, Rich-  
land, Missouri.**

**IF YOU WANT TO BUY** a good farm in  
southwest Missouri or city property in  
Springfield, Mo., write **A. B. Crawford,**  
Springfield, Missouri.

**THREE HIGH-CLASS** improved North-  
west Missouri farms for sale: corn, clover  
and blue grass land. Your choice \$75 per  
acre. Write for particulars. **Bazel J.  
Meek, Owner, P. O. Box 307, Chillicothe, Mis-  
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**FOR SALE** — Central Missouri farms,  
send for list, 200 farms in Callaway Co.,  
Mo., with full description and price for  
each; in Missouri's best grain and blue  
grass county. **Koontz & Palmer, Fulton,  
Missouri.**

**5,000 ACRES** cheap farm land, tracts to  
suit; Green County; part improved, balance  
good timber, good soil and water; \$10 per  
acre upward; liberal terms; descriptive  
literature free. **Ozark Land Co., 305 1/2  
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**MISSOURI FARM LANDS** — No better  
grain and stock land anywhere, good val-  
ues; fine schools, fine climate. List and  
prices free. **Fulton Real Estate Agency,  
Fulton, Mo.**

### MISSOURI FARMS.

For sale or exchange in Morgan county,  
where corn, clover and blue grass grow to  
perfection. Prices from \$10 to \$65 per acre,  
on liberal terms. Write for county map and  
list, both free.  
**CREWSON & HARRISON, Versailles, Mo.**

### IN THE OZARKS.

Dairy, truck, poultry and fruit lands, \$5  
to \$50 accordingly, on terms to suit. I own  
over 10,000 acres and can give you what  
you want. Large illustrated folder, list and  
maps free.  
**P. H. RUCKER, Rolla, Missouri.**

### DID YOU GO TOO FAR?

Do you want to have a clover, bluegrass  
and timothy farm again? If so, write us.  
We will sell well-improved Johnson county  
farms for \$40 up. Write for our list, mailed  
free and postpaid.  
**LEETON LAND COMPANY,**  
Leeton, Missouri.

**WEBSTER COUNTY, MO.,** farm lands,  
\$20 up. Prices advancing rapidly. Now is  
the time to buy. Our land list gives prices  
and descriptions. Free list with map if de-  
sired. **R. S. Phillips & Co., Marshfield, Mis-  
souri.**

**380 ACRES FINE TIMBER LAND.**  
A abundant living spring makes ideal ranch;  
if cleared would be good agricultural; farms  
adjoining all sides cannot be bought for  
\$50 per acre; near county seat; price \$75  
per acre; no incumbrance; will take some  
trade. **J. H. McQUARRY REALTY CO.,**  
120 Commerce Bldg., Kansas City, Mo.

### MISSOURI.

The home of corn, clover, bluegrass and  
fat stock. Lands in the heart of this great  
state for less than Central or Northeastern  
Kansas lands. Write for list, sent free upon  
request.

**BARTHOLOMEW & SLACK,**  
Cathoun, Missouri.

### DO YOU WANT TO SELL YOUR FARM?

Write us, we will give you good informa-  
tion. **Hoffman's Compiled List Report, 323  
Sedgwick Block, Wichita, Kansas.**

## MISCELLANEOUS FOR SALE and EXCHANGE

**BUY OR TRADE** with us. Send for list.  
**BERSIE-MEREDITH,**  
Eldorado, Kansas.

### FOR SALE AND EXCHANGE.

Kansas and Missouri farms for city prop-  
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Describe what you have; will make you a  
good trade. List your farms for exchange  
with us. **R. R. Woodward Real Estate &  
Investment Company, 364 N. Y. Life Bldg.,  
Kansas City, Missouri.**

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Alfalfa land in shallow water district of  
Oklahoma in 40 to 640-acre tracts, \$20 to  
\$65 per acre. For particulars write  
**C. B. RHODES R. E. & INV. CO.,**  
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### FOR SALE OR EXCHANGE.

Northeastern Kansas corn, clover and  
blue grass farms, stocks of merchandise,  
etc., for other good propositions. Lands are  
steadily advancing in price; now is the time  
to invest. Write or see us.  
**C. W. HINNEN REALTY CO.,**  
Holton, Kansas.

**Improved 160 acres Phillips Co., price \$6.-**  
**000.** Want improved 80 acre farm in north-  
east Kansas.  
**Well improved 160 farm in Norton Co.**  
**Price \$6,000, inc. \$2,000.** Want land or in-  
come further east.  
**LEWIS & ELDRED,**  
Phillipsburg, Kansas.

## STOCK MERCHANDISE FOR SALE

Good, clean stock merchandise in North-  
eastern Kansas town. Will invoice about  
\$10,000. Want land. Eastern Kansas farm  
preferred. Other snaps. Write me your  
wants.

**O. C. PAXSON, Meriden, Kansas.**

## TREGO COUNTY

Lands for sale or exchange; prices \$15 to  
\$40 per acre; also city property and stocks  
of merchandise. If you have a good trade  
to offer, no matter where it is located or  
what it is, write us.

**ED. PORTER LAND AGENCY,**

Wakeeney, Kansas.

## JUST A WORD TO THE BREEDERS AND FARMERS.

**G. M. Hull, Garnett, Kan.,** will hold his  
sale Oct. 26, 1910, of one hundred head of  
the big type Poland Chinas, sired by five  
of the best boars in the United States. You  
can get just what you are looking for from  
this lot. Write for a catalog early so your  
name will be on our books.

### BOARS.

**Hadley Boy** 18009 by Hull's Hadley  
25344. **Wm. Garrett** 53037 by Mastodon  
Chief 53140. **Big Hadley** 40822 by Hadley  
Jr. 28388. **Blain's Wonder** 38717 by John-  
son Chief 55774. **King Blain** 48506 by  
Blain's Wonder 38717.

### SOWS AND THEIR SIRS.

**Sunshine** (1285343) by Bell Boy 46145.  
**Midnight** (111263) by Champion Chief  
52207. **Dud's Datsy** (111268) by Tip Top  
Dudy 51681. **Long Jane Lady** (115927) by  
Chief Goldust 39244. **Standard Lady**  
(111262) by Standard Tecumseh 46144.  
**Royal Beauty** (128533) by Chief Goldust  
39244. **D's Made Right** (129715) by Designer  
39190. **Big Beauty** 2d (120156) by Long John  
14640. **Kansas Queen** 4th (323996) by Neb.  
King 122227. **Black Lady** (127912) by O. K.  
Price 42071. **Jola Garnett** (127913) by Co-  
lumbia Chief 2d 42528. **Miss Garnett**  
(127903) by O. K. Price 42071. **Queen Like-  
ness** (131100) by Expansion John 49945.  
**Early Alice** (127910) by O. K. Price 42071.  
**Kansas Queen** 2d (323988) by Neb. King  
122227.

Mail bids may be sent to either auction-  
eer and they will be treated high class. Col.  
C. E. Bean is on the ground and can give  
you any information you wish by writing  
him.

**Auctioneers** — Col. C. E. Bean, Garnett,  
Kan.; Col. Jas. W. Sparks, Marshall, Mo.  
Col. H. Hohenstein, Chelsea, Okla.

## JERSEY CATTLE

## LINSCOTT JERSEYS

offers a few choice cows in milk and some  
bred heifers. Milk and butter records ac-  
curately kept.

**R. J. LINSCOTT, Holton, Kansas.**

## Jerseydale Stock Farm

Imported and American Bred Jerseys.  
Carthage, Mo.

**PHIL HANNUM, JR., OWNER.**

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

Grade Jerseys bought on commission.

## JERSEY BULL FOR SALE

**Vic's Stockwell** 91762, sired by the \$1,100  
**Beatrice Stockwell**, he by the \$11,500 Stock-  
well. The dam of Vic's Stockwell is Silver-  
line's Vic by the \$1,500 World's Fair prize  
winner, Silverline Lad. Dropped Feb. 25,  
splendid form, and of excellent conforma-  
tion. Tuberculin tested. Write for extended  
pedigree and price.

**JOHNSON & NORDSTROM,**  
or Jesse Johnson, Clay Center, Kan.

I have ready for service a few grand-  
sons of Merry Maiden's Third Son. Fi-  
nancial Count, Eurybia's Son and Pon-  
tain's Eminent. Prices and extended  
pedigrees upon application. These bulls  
will make excellent dairy sires and are  
fit to head any herd registered in A.  
J. C. C.

**W. N. BANKS, Independence, Kansas.**

## POLLED DURHAM CATTLE

## BELVEDERE X2712-195058

Son of the \$1,500 Grand Victor X1636  
150364 heads my herd of Double Standard  
Polled Durhams. A few extra good, blocky,  
thick-fleshed young bulls for sale. Inspec-  
tion invited. Farm adjoins town.

**D. C. VAN NICE, Richland, Kansas.**

## PURE BRED SHEEP

### SHEEP! SHEEP! SHEEP! SHEEP!

500 pure bred Ramboulett sheep, consist-  
ing of 250 3-year-old ewes, 215 yearling  
and 2-year-old ewes and 35 rams; also 225  
lambs. These sheep are extra choice and  
will be sold in a bunch or in lot to suit  
purchaser.

**ESTATE OF J. W. TROUTMAN,**  
**J. G. Troutman, Manager, Comiskey, Kan.**

**MULBERRY GROVE FARM.**  
Herd boar, Peerless Perfection 2nd, grand  
champion American Royal. A few choice  
gilts by Peerless Perf. 2nd, and bred to On  
the Spot by On and On. A few choice open  
gilts by Prince Model.  
**J. F. MILLER, St. John, Kansas.**

**BIG BIG-TYPE CHALLENGE.**  
**G. M. Hull, of Garnett, Kan.,** will hold  
his public sale October 26, 1910, of 95 head  
of the famous Big Type Poland Chinas, sired  
by five as good boars as there is in the U.  
S., both in breeding and in individuality,  
and 15 of great queens representing the  
royal Big Type families. Write for catalog,  
it will interest and fascinate every hog man.  
**Auctioneers**—Col. C. E. Bean, Garnett, Kan.;  
Col. James W. Sparks, Marshall, Mo.; Col.  
H. Hohenstein, Chelsea, Okla.

## HORSES AND MULES

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

## PERCHERONS REGISTERED.

A choice lot of two-year-old fillies in  
matched teams; will breed them to any of  
my herd stallions, will sell 10 or 15 year-  
lings, all registered and of the best blood  
lines. Every animal sold sound.  
**J. W. BARNHART, Butler, Missouri.**

## ANGUS CATTLE

## 80 Angus Bulls

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

## SHORTHORN CATTLE

## 10-SCOTCH BULLS-10

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

**REGISTERED SHORTHORNS.**  
55 head in herd, a few choice cows and  
heifers for sale. Pure Scotch breeding.  
Priced reasonable to reduce herd.  
**JOHN W. TREADWAY,**  
Kincaid, Kan.

## SHORTHORNS

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

**TENNEHOLM SHORTHORNS.**  
Have on hand a few young red bulls  
ready for service that are out of splendid  
milking dams and have good beef form. No  
better breeding could be wished. Can spare  
a few females. Prices moderate.  
**E. S. MYERS, Chanute, Kansas.**

**FOR SALE.**  
Five extra good Scotch and Scotch  
topped bulls, 10 months old. Roans and  
reds, sired by Victor Archer and Forest  
Knight by Gallant Knight. Priced right.  
**STEWART & DOWNS,**  
Hutchinson, Kansas.

## Center Grove Stock Farm

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

**J. W. PELPHREY & SON,**  
Route No. 6, Chanute, Kansas.

## HUMBOLDT NATIONAL STOCK FARM.

Shorthorn cattle, large type Poland China  
hogs, 10 spring boars, priced right. Write  
me your wants. I meet parties at trains.  
We can do business. Come and see me.  
**H. F. PELPHREY & SON,**  
Humboldt, Kansas.

**SHORTHORN BULL FOR SALE.**  
Sired by Lord Mar and out of a Red  
Knight cow. Also cows and heifers. 70  
choice Poland China pigs to select from.  
**S. B. AMCATS, Clay Center, Kansas.**

## RED POLLED CATTLE

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

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

## BERKSHIRES

**STALWART DUKE 117874**  
heads our Berkshires. He formerly headed  
the Kansas Agricultural herd. His sire was  
Silverline Revelation by Revelation. His  
dam was Hood Farm Duchess 18th 93809.  
Choice lot of spring pigs for sale. **J. M.  
Nielson, Marvaville, Kansas.**



## HOLSTEIN CATTLE

## HOLSTEIN CATTLE

## ALBA DAIRY 125 HEAD REGISTERED HOLSTEIN-FRIESIANS

LARGEST HERD OF THIS BREED IN IOWA.

Barn Sanitary—Herd Tuberculin Tested Twice Yearly.

At the head of herd King Segis Hengerveld Vale, who is son of the famous King Segis (sire of 3 record-breaking daughters), grandson of Hengerveld De Kol (sire of 100 A. R. O. daughters 4 above 20 lbs.) great grandson of Sadie Vale Concordia, the first 30-lb. cow. A. R. O. COWS FOR SALE. Young and sound, free from disease. Large official milk and butter records; rich breeding; splendid individuality. BULL CALVES FOR SALE from 1 to 6 months old. **J. O. GUTHRIE, SHENANDOAH, IOWA.**

## SUNFLOWER HERD HOLSTEIN-FRIESIANS.

Those desiring a HIGH testing A. R. O. sire to head herd should get prices and descriptions on my KING WALKER service bulls. The three nearest dams on all these bulls average from 25 pounds to 29 pounds butter in 7 days.

F. J. SEARLE,  
Oskaloosa, Kansas.

## DUROC JERSEYS

## DUROC JERSEYS

## ALFALFA STOCK FARM DUROCS

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

## FOR SALE!

Tried sows and bred gilts. Bred to Fancy Roy 50187, who is also for sale, a large bone fellow has a 300 pound frame. A few spring boars. Two fall boars sired by Mo. Wonder King 52903, a 1000 pound boar. **MR. AND MR. HENRY SHRADER, Bogus, Kansas.**

## DUROC-SOWS and GILTS

50 fall gilts by G. C.'s Kansas Col. and 15 yearling and matured sows, all by noted boars. Will sell and hold until safe for fall litter. Also 10 fall boars, sons of our fall crop. **CHAPIN & NORDSTROM, Green, Clay County, Kan.**

## SPRING BOARS AND GILTS.

Best of breeding and top quality. Some early spring boars—good strong growth fellows—will be priced right. By such boars as Aera Ton Notcher, Paul Jumbo, Bonney K. and I Am a Bonney K.; also gilts of equal breeding quality and size, priced right. Address **W. C. WHITNEY, Aera, Kan.**

## P. &amp; S. FARM

150 Spring Pigs sired by King of Kent Rd Best No. 28333, and Golden Ruler No. 20555. Write your wants. Fall sale Oct. 29. Bred Sow Sale Feb. 3, 1911.

**RINEHART & SON,**  
Smith Center, Kansas.

## BRED SOWS AUGUST FARROW.

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

**CHOICE DUROC BRED SOWS FOR SALE.** Among them my show sow Ellere 70424, safe in pie to Tom Davis for fall litter—also fine lot of spring pigs. Write your wants. **O. A. TILLER, Pawnee City, Nebraska.**

## CROW'S DUROC JERSEYS.

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

## JEWELL COUNTY HERD.

headed by Bonney K 47075, all prominent blood lines represented. Fall sale Oct. 27. Sow sale Feb. 1, 1911. **W. E. MONAGHITH, Formosa, Kansas.**

## FAIRVIEW STOCK FARM

The home of big, smooth, richly bred Durocs. 100 choice spring pigs sired by Monarch's Choice 91377 and Crimson Rule 91876. Public sale Oct. 25. Write for description and prices. **J. B. DAVIS, Fairview, Kansas.**

## OHIO IMPROVED CHESTERS

**MISSOURI VALLEY HERD O. I. C. SWINE** A few choice March and April pigs left. Everything not sold by September 1st reserved for October sale. Pedigrees recorded free. **J. M. DRYDEN, Phelps City, Missouri.**

## MOSSE OF KANSAS

Kansas Herd of Improved Chester Whites. **ARTHUR MOSSE, Leavenworth, Kansas.**

## MAPLE LEAF CHESTERS.

Am making special prices for a short time on boar pigs. A few choice gilts and young sows for sale. Write your wants. **R. W. GAGE, R. D. 5, Garfield, Kan.**

## ROCK 'BROOK HERD

offers bargains in a carload of cows and heifers and a few bulls 2 to 16 months old. All tuberculin tested. **ROCK BROOK FARM, Station R, Omaha, Nebraska.**

## DUROC JERSEYS

## SAMUELSON BROS.' DUROCS.

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

## POLAND CHINAS

## 30 BRED POLAND CHINA GILTS

for sale. Spring and summer farrow, bred for April and May litters. Choicest blood line; also 5 mature sows and boars ready for service, one by Meddler. Reasonable prices. **F. D. FULKERSON, Belington, Missouri.**

## 200 LARGE TYPE POLAND CHINAS

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

## POLAND CHINAS WITH SIZE.

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

## WALTER'S BIG SMOOTH POLAND CHINAS.

Expansive, one of the best living sons of Expansion, heads herd. A few choice fall gilts bred to Expansion for fall litters for sale. **H. B. WALTER, Effingham, Kansas.**

## HARTER'S BIG KIND POLAND CHINAS.

Headed by Monarch's Monarch 45858 and Capt. Hutch 39068. Over 100 choice pigs to select from. Visitors made welcome. Also Banded Boars. **J. H. HARTER, Westmoreland, Kansas.**

## CORRECT TYPE POLAND CHINAS

Headed by Wise's Hadley by Big Hadley. Sows by What's Ex. Kansas Chief, Nemo L's Dada, etc. 75 choice pigs to pick from. **BERT G. WISE, Reserve, Kan.**

## SUNSHINE HERD.

Poland Chinas, bred gilts and yearling boars. Prices reasonable, quality considered. Satisfaction guaranteed. **A. L. ALBRIGHT, Pomona, Kansas.**

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

## DEER PARK STOCK FARM.

Richly bred Poland Chinas headed by the great Impudence E. L. and Noble Chief by Nobelman. Choice lot of spring pigs for sale by Impudence E. L. and Dawley's S. P. Perfection. **D. A. WOLFEBOERGER, Council Grove, Kansas.**

## CHOICE POLAND CHINA PIGS.

Sired by Voter 133333, Perfect Mischief 48911, Senator and Voter's Pride. Sows of equal breeding and richly bred. Pigs ready to ship. Attention's Voters boars out of Meddler dam. **W. C. MULLIGAN, Clay Center, Kansas.**

## FOR SALE

I STILL HAVE a few good fall boars for sale at very reasonable prices; will also offer my 2-year-old herd boar, O. K. Chief. He is a good individual of the 800-lb. type, heavy bone, a good even breeder. **R. J. PECKHAM, Pawnee City, Nebraska.**

## THE HAWTHORNE POLAND CHINAS.

Ten Strike, grand champion at the Oklahoma State Fair, 1908, heads the herd. Special prices on 20 strictly topny boars, sired by Ten Strike and out of richly bred sows. These boars are of December and January farrow, good enough to head any herd. 50 choice gilts at very low prices. All pedigrees furnished when boars are delivered. **T. M. CHAMBERS, Oswego, Kansas.**

## POLAND CHINAS

## POLAND CHINAS

## BIG-BONED POLAND CHINAS

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

## THE MORTONS

## QUALITY AND SIZE POLAND CHINAS.

Herd headed by Equipment 51530 by Impudence. For quick sale 20 summer and fall gilts sired by son of Meddler and bred for August farrow. Also 3 fall boars. All representations guaranteed. **THE MORTONS, Tampa, Kansas, Marion County.**

## BRED GILTS

Sired by First Choice, he by Grand Chief. Gilts bred to Little Bear a grandson of On and On. These offered for sale and the tone of a large bunch. The gilts and the price will please you. Write right now to Young & Kimmeling, Glasco, Kansas.

## COLLEGE VIEW POLAND CHINAS.

We offer for sale some extra good pigs of March and April farrow. Plenty of size with quality. Write for prices description and breeding. **W. A. JONES & SON, R. F. D. No. 2, Ottawa, Kansas.**

## BIG TYPE POLAND CHINAS.

Gold Standard by Chief Gold Dust in service. Sows represent the most noted big type strains. Choice lot of spring pigs. **WALTER HILDEBRIN, Parvlew, Kansas.**

## MEISNER'S BIG POLAND CHINAS.

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

## BROWN COUNTY POLAND CHINAS.

Oldest herd in Kansas, headed by Major R., by Major Bob 50311. Sows by Big Hadley, Johnson's Chief, etc. Three extra good fall boars for quick sale, reasonable prices. **ELI ZIMMERMAN, Hiawatha, Kansas.**

## ALBRIGHT'S POLAND CHINAS.

The utility type, headed by N. B.'s Perfection, by S. P.'s Perfection. Sows in herd carry the blood of noted sires and have been selected carefully. 40 choice pigs both sexes, ready to ship. **A. L. ALBRIGHT, Waterville, Kansas.**

## SULLIVAN COUNTY HERD.

Poland Chinas, 200 head in herd, best blood known to the breed. For sale eight choice fall gilts, also eight Collier pigs. **FULLER BROS., Humphreys, Missouri.**

## TWO YEARLING BOARS FOR SALE.

Fine Metal by Gold Metal and John C. Hadley by Hadley Roy, both good individuals and have made good as breeders. Will price reasonable. **JOHN C. HALDERMAN, Burchard, Nebraska.**

## PRINCE HADLEY Heads Our Poland

China herd. Big spring pigs are great. Others by Colossus, Monarch, Expansion's Son, Sunflower King, Banner Roy and Meese's Master. Write for description of pigs. **W. C. GINGER, Hiawatha, Kan.**

## 30—FEBRUARY POLAND CHINA PIGS—30

Large, smooth and good individually. Sired by my herd boars: Wilkes Again and Grand Success, out of as fine a lot of big type sows as there is in the West. Inspection invited. **J. R. WHIPPLE, Fall City, Nebraska.**

## TEN FAYI BOARS for sale; also spring

boars by Banner Roy, Big Hadley's Libanus, Colossus, Meddler's Expansion and others. Fall sale Oct. 12. **Herman Groninger & Sons, Bendena, Kan.**

## STRYKER BROS.' HERD POLAND CHINAS.

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

## RIDGEVIEW STOCK FARM—Big Type

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

## GEO. SMITH'S BIG POLANDS—Headed

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

## BLUE GRASS VALLEY STOCK FARM.

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

## ELIMPALE POLAND CHINAS.

Over 100 head in herd. Our aim quality and size. Choice lot of spring pigs for sale. Reasonable prices. **O. S. MOYER, Nortonville, Kansas.**

## LAPEDO HERD.

Poland Chinas headed by Impudence Style 132237 and F. R.'s Meddler by Meddler for sale. 15 fall gilts bred for fall farrow and 9 other gilts. **G. W. McRAY, Laredo, Missouri.**

## THE BIG POLAND CHINAS.

Spring pigs by Gold Bell Metal, Expansive, Expansion Over, Expansion See and Guy's Monarch. Out of Mogul, Expansion, Big Hadley, Tecumseh and Wonder bred sows, write for description. **Freeland & Williams, Valley Falls, Kan.**

## 100 POLAND CHINA SPRING PIGS.

Booking orders to ship later. Get your order in early and get first choice. Mostly sired by Elmhurst 150665, a heavy boned son of the great Meddler 2nd. Pigs out of dams of the best breeding, 240 head in herd. Description guaranteed. **J. D. Williams, Zenda, Kan.**

## GRANER'S BIG TYPE POLAND CHINAS

Headed by Guy's Monarch 51415 the boar with frame for 1000 lbs and 10 1/2 inch bone. Sows daughters of Expansion Colossus, Bell Metal, Big Hadley, White Ex., etc. Choice spring pigs for sale by Expansion Colossus, Expansion and Guy's Monarch. **H. C. Graner, Lancaster (Atchison Co.), Kan.**

## ADVANCE STOCK FARM.

Home of big smooth Poland Chinas headed by a great son of Big Hadley, his dam Gold Dust Tecumseh, son of Blain's closing out sale. 60 choice pigs, all but one litter by this boar, out of extra big sows. **A. R. ENOS, Romona, Kansas.**

## CLAY JUMBO 800 lbs.

The biggest yearling Poland China boar in Kansas heads our herd. Frame for 800 lbs., with plenty of quality. 100 pigs ready to ship. Reasonable prices. Herd established twenty years. **H. W. GRIFFITH, Clay Center, Kansas.**

## BAKEWELL'S EXPANSION POLANDS.

Headed by Expansion Over 53110. Boar with immense size and good quality. Sows are daughters of old Expansion, Pan Famo, Grand Look, etc. Herd established 25 years. Choice spring pigs for sale. See Expansion Over at Nebraska State Fair. **J. W. BAKEWELL, Endicott, Neb.**

## STUMP'S BIG POLAND CHINAS.

200 head in herd. Kansas King by Grant-teer and Capt. Hutch by Captain Hutch in service. Great lot of pigs to select from. Write for prices and descriptions. **W. R. STUMP, Blue Rapids, Kan.**

## AUCTIONEERS

## G. E. BEAN, BARNETT, KANSAS.

**Auctioneer**  
Live Stock, especially Horses, Cattle and Big Type Poland China and Chester White Swine. I am also breeder of the big type Poland Chinas. Write me before claiming a date.

## H. R. LITTLE Live Stock Auctioneer

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

## JOHN D. SNYDER AUCTIONEER.

Winfield, Kansas. I sell for many of the most successful breeders.

## LAFE BURGER

LIVE STOCK AUCTIONEER. Write or wire me for dates. **WELLINGTON, KAN.**

## JAMES T. McCULLOCH,

Clay Center, Kansas, makes public sales anywhere. Pure bred sales a specialty. Better equipped than ever before to give patrons good service. Reasonable charges for first-class service.

## L. E. FIFE LIVESTOCK AUCTIONEER.

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

## W. C. CURPHEY

LIVE STOCK AUCTIONEER. Write, phone or wire me for dates. **ARILENE, KANSAS.**

## COL. JOHN BRENNAN.

Live stock sales a specialty. Sales cried anywhere. Address at **ESSON, KANSAS.**

## FRANK REGAN, ESBO, KAN

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

## Jas. W. Sparks AUCTIONEER

Pedigreed Live Stock, Marshall, Mo.



(Continued from page 18.)

**Jersey Cattle.**  
Sept. 1—Golden Sunrise Farm, Kansas City, Mo.  
**Shorthorn Cattle.**  
Nov. 15—J. E. Joines, Clyde, Kan.  
Feb. 8—T. J. Charles, Republic, Kan.  
Feb. 22—Philip Albrecht, Smith Center, Kan.  
**Berkshires.**  
Aug. 16, 1910—Chas. E. Sutton, Lawrence, Kan.  
**Durocs.**  
Sept. 14—Ralph Varney, Bennett, Neb.  
Oct. 19—G. Van Fatten, Sutton, Neb.  
Oct. 25—Leon Carter, Ahernville, Kan.  
Oct. 26—P. H. Pagett, Beloit, Kan.  
Oct. 27—W. E. Monasmith, Formosa, Kan.  
Oct. 28—Rinehart & Slagle, Smith Center, Kan.  
Oct. 31—White Bros., Buffalo, Kan.  
Oct. 25—J. E. Davis, Fairview, Kan.  
Nov. 15—J. L. Williams, Bellaire, Kan.  
Nov. 15—J. E. Joines, Clyde, Kan.  
Nov. 19—Phillip Albrecht, Smith Center, Kan.  
Jan. 20—A. T. Cross, Guide Rock, Neb.  
Jan. 31—Ward Bros., Republic, Kan.  
Feb. 1—W. E. Monasmith, Formosa, Kan.  
Feb. 2—Thompson Bros., Garrison, Kan.  
Feb. 2—G. P. Philippi, Eabon, Kan.  
Feb. 3—Rinehart & Slagle, Smith Center, Kan.  
Feb. 4—W. C. Whitney, Akra, Kan.  
Feb. 6—J. L. Williams, Bellaire, Kan.  
Feb. 8—O. A. Tiller, Pawnee City, Neb.  
Feb. 9—Samuelson Bros., Cleburne, Kan.  
Feb. 10—Samuelson Bros., Blain, Kan.  
Feb. 13—T. E. Goethe, Leonardville, Kan.  
Feb. 14—Chapin & Nordstrom, Green, Kan.  
Feb. 15—Leon Carter, Ahernville, Kan.  
Feb. 16—W. T. Fitch, Minneapolis, Kan.  
Feb. 17—L. E. Boyle, Lindsey, Kan.  
Feb. 22—Phillip Albrecht, Smith Center, Kan.

**Poland Chinas.**  
Sept. 20—J. D. Spangler, Sharon, Kan.  
Oct. 8—Bert C. Wise, Falls City, Neb.  
Oct. 12—W. B. Stafford, Bronson, Kan.  
Oct. 13—Bert Wise, Reserve, Kan.  
Oct. 14—T. J. Dawe, Troy, Kan.  
Oct. 15—J. B. Whipple, Fall City, Kan.  
Oct. 15—H. C. Dawson's Sons, Endicott, Neb.  
Oct. 17—A. R. Enos, Remona, Kan.  
Oct. 18—Herman Groninger & Sons, Bendena, Kan.  
Oct. 19—A. B. Garrison, Summerfield, Kan.  
Oct. 20—Hubert J. Griffiths, Clay Center, Kan.  
Oct. 21—J. M. Ross, Valley Falls, Kan., and W. E. Long, Osawatie, Kan. Sale at Valley Falls, Kan.  
Oct. 22—Eli Zimmerman, Hiawatha, Kan.  
Oct. 24—W. F. Fulton, Waterville, Kan.  
Oct. 25—W. C. Singer, Hiawatha, Kan.  
Oct. 26—W. R. Webb, Bendena, Kan.  
Oct. 26—G. M. Hull, Garnett, Kan.  
Oct. 27—F. A. Tripp & Son, Meriden, Kan.  
Oct. 27—Walter Hildwein, Fairview, Kan.  
Oct. 28—J. H. Harter, Westmoreland, Kan.  
Oct. 28—I. R. Berkey, Louisburg, Kan.  
Nov. 1—J. H. Hamilton & Son, Guide Rock, Neb.  
Nov. 1—H. B. Walter, Effingham, Kan.  
Nov. 1—H. F. Peiphrey, Humboldt, Kan.  
Nov. 2—J. W. Peiphrey, Chanute, Kan.  
Nov. 2—Albert Smith & Sons, Superior, Neb.  
Nov. 2—H. W. Griffith, Clay Center, Kan.  
Nov. 2—R. J. Feckham, Pawnee City, Neb.  
Nov. 3—The Mortons, Tampa, Kan.  
Nov. 3—George W. Smith, Burchard, Neb.  
Nov. 3—D. W. Evans, Fairview, Kan.  
Nov. 4—W. A. and C. Z. Baker, Butler, Mo.  
Nov. 4—Bert C. Wise, Reserve, Kan.  
Nov. 4—G. W. McKay, Laredo, Mo.  
Nov. 5—Fuller Bros., Humphreys, Mo.  
Nov. 5—Poland China boar sale. W. B. Van Horn, Overbrook, Kan.  
Nov. 9—T. J. Meisner, Sabetha, Kan.  
Nov. 10—W. R. Stump, Blue Rapids, Kan.  
Nov. 11—B. E. Amcoats, Clay Center, Kan.  
Nov. 16—W. A. Prewett, Asherville, Kan.  
Nov. 19—G. W. Roberts, Larned, Kan.  
Jan. 18—H. F. Peiphrey, Humboldt, Kan.  
Jan. 18—J. M. Collins, Garnett, Kan.  
Jan. 19—J. W. Peiphrey, Chanute, Kan.  
Jan. 20—Roy Johnston, South Mound, Kan.  
Nov. 22—W. D. McFarland, Chase, Kan.  
Nov. 23—C. H. Pletcher, Glasco, Kan.  
Jan. 24—W. R. Stump, Blue Rapids, Kan.  
Feb. 7—J. M. Ross and W. E. Long, Valley Falls, Kan.  
Feb. 8—H. B. Walter, Effingham, Kan.  
Feb. 8—T. J. Charles, Republic, Kan.  
Feb. 8—Albert Smith & Sons, Superior, Neb.  
Feb. 8—H. C. Graner, Lancaster, Kan.  
Feb. 10—J. E. Bowser, Abilene, Kan.  
Feb. 10—J. H. Hamilton & Son, Guide Rock, Neb.  
Feb. 16—J. H. Harter, Westmoreland, Kan.  
Feb. 17—Bred sows, B. VanHorn, Overbrook, Kan.  
March 4—C. H. Pletcher, Glasco, Kan.

## NEW ADVERTISERS IN THIS ISSUE.

It always pays to keep posted on what advertisers are offering. Look up the announcements of these new advertisers and mention KANSAS FARMER when writing them. Doing this will be of benefit to both you and the publisher as well as the advertisers.

Eugene Williams, Minneapolis, Kan.  
Edgar B. Corse, Greensburg, Kan.  
T. W. Holtz, Fowler, Kan.  
H. E. McCue, Bucklin, Kan.  
Wane Land Co., Greensburg, Kan.  
E. L. Watts, Fowler, Kan.  
Charles Schwerdtfeger, Fowler, Kan.  
John W. Baughman, Plains, Kan.  
Boyer & Wyatt, Plains, Kan.  
Fullington & Marks, Meade, Kan.  
Federal Land & Trust Co., Meade, Kan.  
Thayer Land Co., Liberal, Kan.  
Mackey & Evans, Liberal, Kan.  
Charles Molter, Liberal, Kan.  
Kansas-Oklahoma Land Co., Liberal, Kan.  
Allison Cosby & Co., Texoma, Okla.  
All the above are Real Estate Dealers making a specialty of farm bargains in their respective communities.

Car lot entries for the Inter-State Live Stock Show to be held in St. Joseph, Mo., the week of September 26, do not close until the first week day of the show. There is plenty of time for you to get in.

Herman Meyer, the successful Poland China breeder at Washington, Kan., has his usual nice bunch of spring pigs. Most of them were sired by Chief Look, a grandson of Grand Look. Others by L's Hadley, a grandson of Bell Metal. Mr. Meyer has just purchased from N. E. Copeland of Waterville a very choice young boar sired by Expando, a son of Expansive.

The new Crescent ball bearing axles made by the Evans, Coppins & Starks Co., 818 Main street, Princeton, Ill., add a distinct value to all kinds of vehicles. The ball bearings make lighter draft, save the dirty job of greasing and make the buggies and wagons last longer. Look up the ad of Crescent axles in this issue and mention Kansas Farmer when writing.

Intending exhibitors in the breeding and individual fat classes at the Inter-State Live Stock Show, to be held in St. Joseph the week of September 26 to October 1, should note the fact that entries for these classes close on August 31. The entries are coming in lively and there is every assurance already that in number and class the exhibit this year will excel anything the Inter-State has ever had.

The Jerseydale Stock Farm is located just outside the city of Carthage, Mo., and is owned by Mr. Phil Hannum, Jr. Mr. Hannum has built up one of the best herds known in Missouri for high class imported Jerseys. At the head of the herd is the magnificent animal, Tulip's Monplaisir, sired by Monplaisir, that was imported and sold at auction in 1901 for \$3,500, at that time the high auction price. His dam was Uncle Peter's Tulip, a cow sold for \$1,100 by Mrs. M. M. Patterson of Fort Kennedy, Pa., as the best cow of that importation. In select-



TULIP'S MONPLAISIR NO. 61922.  
Chief Herd Bull at Jerseydale Stock Farm, Carthage, Mo.

ing and buying his cattle, the cows were the primary consideration, and among the first bought were such as Naples Golden Lady, an imported daughter of Diplomat's Golden Lad out of a daughter of Picton; she is a great dairy type cow and has milked 42 pounds daily. Mona's Golden Maid, a daughter of Mona's Glory out of a daughter of Flying Fox, is as pretty a cow as you will find in a week's travel. Cowlip's Lady Anna, by Cowlip's Golden Lad out of a daughter of Forfarshire, is another of the imported cows who are "there" at the pull. She is of the correct type. Raleigh's Tulip and others will be heard from later on. Mr. Hannum has several choice cows and a few young bulls for sale at very reasonable prices. Look up ad in this issue and write for prices. Kindly mention Kansas Farmer.

One of the most famous bulls of Kansas is dead. Captain Archer 205741 by Collynie 135022, out of Imp. Mistletoe 15th was bred by S. C. Hanna of Howard, Kan., and owned for a number of years prior to his death by J. F. Stodder, Burden, Kan. In the hands of Mr. Stodder Captain Archer developed into one of the greatest Shorthorn sires of Kansas, and it was largely through his help that his owner was able to make such a strong showing in the big state fairs and the national exhibitions where he has won such fame of late years for the Silver Creek herd. The death of Captain Archer is not only a heavy loss to Mr. Stodder, but it is a distinct loss to the state as well. Bulls of this class are not easily found and when discovered are highly appreciated.

**Alvey's O. I. C. Swine.**  
Alvey Bros., the well known O. I. C. swine breeders located at Meriden, Kan., have three good corn quarters, one 80 and one 120 acre farm for sale. Write them at Meriden, Kan.

**Irrigated Wyoming Lands.**  
The Hartung Land Co., Cheyenne, Wyo., are handling some exceptional bargains in the famous Wheatland and Flats country in Wyoming. This land has shown a remarkable productivity and a rapid rise in value. It is a good buy. Write this firm about it, mentioning Kansas Farmer.

**A. & P. Schmitz Visited.**  
The writer made his regular visit to the Schmitz Bros. Poland China farm recently. The brothers have their usual number of choice pigs, nearly all of them by the great boar Voter. Among them are plenty of herd boar prospects. Watch these columns for their announcement. It will appear in a short time.

**Col. James W. Sparks.**  
We had the pleasure of spending a few hours with Col. James W. Sparks of Marshall, Mo. Col. Sparks has a number of dates booked for fall sales. Col. Sparks is recognized among the breeders of the corn belt as an able auctioneer and has made many friends in the 17 years he has been selling for America's best breeders. When you write to Col. Sparks for date kindly mention the Kansas Farmer.

**Inter-State Live Stock Show.**  
Intending exhibitors in the breeding and individual fat classes at the Inter-State Live Stock Show, to be held in St. Joseph the week of September 26 to October 1, should note the fact that entries for these classes close on August 31. The entries are coming in lively and there is every assurance already that in number and class the exhibit this year will excel anything the Inter-State has ever had.

**Graner Changes Date.**  
H. C. Graner of Lancaster, Kan., has decided not to hold his fall sale. Mr. Graner is having such a big demand for boars, and as the smaller percent of the pigs are males, it has been decided to close them out at private sale and put the gilts in a bred sow sale. The date of the winter sale is Feb. 9. Mr. Graner is pricing the spring boars and a few gilts at very reasonable prices, considering their superior quality. Write for description and price, mentioning Kansas Farmer.

**Freeland & Williams' Poland Chinas.**  
Farmers and breeders that are in the market for big type Poland Chinas should be interested in the advertisement of Freeland & Williams of Valley Falls, Kan. This firm has the best and offer choice pigs of either sex, sired by such boars as Expansive, Gold Metal, etc. They are out of great big sows by Moral, Expansive Wonder and other noted sires. Freeland & Williams have always bought the best and are good care takers. They give pigs proper care and feed, and stock from their herd will give good results.

## Golden Rule Jerseys.

Johnson & Nordstrom, proprietors of the Golden Rule Jersey herd located at Clay Center, Kan., have an advertisement in this week's Kansas Farmer. They offer for sale a very richly bred bull calf, splendid color and form and tuberculin tested. The calf was sired by the noted bull, Beatrice Stockwell, that sold for \$2100. The dam of the calf is Silverine's Vic by Silverine Lad, first prize bull at St. Louis World's Fair. Write for extended pedigree, description and price, mentioning Kansas Farmer.

## Sunrise Farm Jersey Sale.

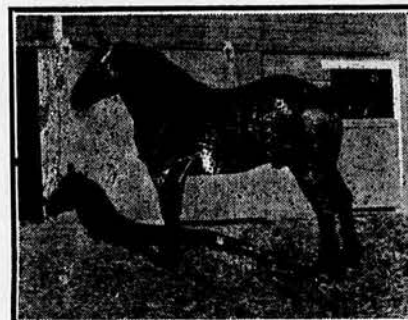
On Thursday, Sept. 1, Mr. John R. Potts, owner of Golden Sunrise Farm, 85th and McGee streets, Kansas City, Mo., will hold a sale of 160 head of pure bred Jersey cattle. The cattle are all in fine condition and of excellent quality. One of the good things in the sale will be Rosette's Golden Lad, 65790, sired by Rosette's Golden Lad, and out of Diplomat's Bird 100356, who is a heavy milk producer. There are also some females in the herd of unusual quality and it will certainly be to your advantage to send for a catalog and attend the sale. Please mention Kansas Farmer when you write.

## Jersey Bull for Sale.

D. A. Kramer of Washington, Kan., has an advertisement in this issue in which he offers for sale a very choice, richly bred Jersey bull calf 6 months old, sired by Elyrine's Buter, a richly bred St. Lambert bred bull with nine of his first dams having records of 21 pounds of butter in seven days. The dam of the calf is Fox's Top Sunflower 225998, sired by Flying Fox's Pride, a grandson of the noted Flying Fox. The calf's dam is a very rich cow who gave 40 lbs. of milk for seven consecutive days and made 12 1/2 pounds of churned butter with second calf. She is also of St. Lambert's breeding. The calf is a good color and individual, black tongue and switch, and will be priced reasonably. Mention Kansas Farmer.

## Willifong's Spring Pigs.

J. D. Willifong, the up-to-date Poland China breeder of Zeandale, Kan., writes us to change his advertising copy. The bred gilts are all sold and he now offers to book orders for spring pigs. He has 100 choice ones nearly all by his great boar Fillbuster by Meddler 2nd. The dams are out of the best herds in Kansas. Mr. Willifong always buys the best and knows the good ones. Mr. Willifong has 240 head in the herd and can supply the wants of anyone wanting hogs. He has one choice litter by his fine big sow Pansion Wonder, the sow that topped Dawson's last winter sale held at Topeka. The pigs are by Defender 54201, a boar of great size and quality. Mr. Willifong lives nine miles east of Manhattan and four miles south of Zeandale. Visit him when convenient.



Hautian (75605) 63710, owned by George B. Ross, Alden, Kan., is a big black Percheron, weighing 2010 pounds. He was sired by Albatross (56378) and out of Chimera (2220). Hautian is a great prospect for a show horse, with style, size, quality and bone to suit the most exacting.

## Thompson Bros' Durocs.

A Kansas Farmer representative recently visited Thompson Bros., the successful Duroc Jersey breeders of Garrison, Kan. These gentlemen have 60 of the best pigs ever seen on the farm. They are by T. B. Chief by Tatarax; King Raven by King of Coles 2nd; Carl's Critic, a line bred Crimson Wonder boar; Chief Wonder by Ohio Chief; Hogate's Model, grand champion boar at Nebraska State Fair, 1908, etc. The pigs are out of richly bred matured sows representing the best blood of the breed, daughters of Model Chief Again, G. C. Col. Tatarax, Wonder Chief, Pearl's Golden Rule, Kant Be Beat, King Raven and other noted sires. The largest of the spring pigs are weighing something like 135 pounds and are not fat. It has been decided not to hold a fall sale, so the boars will be for sale privately and the gilts will go into the Feb. 2nd sale and will be mighty good ones, judging by their appearance at this time. Thompson Bros. have a fine little herd of Jersey cattle that are doing well, and everything looks prosperous around the farm.

## Samuelson Bros' Durocs.

This week we start advertising for the well known and popular Duroc Jersey breeders, Samuelson Bros., of Cleburne and Blaine, Kan. Samuelson Bros. maintain two large herds. They have for sale 50 choice boars of March and April farrow. The pigs are by a number of different boars, among them White House King 69543, one of the best sires in Kansas; Belle Chief 2nd by the World's Fair prize winner, Belle Chief; Bold Boy 21627 by Bold Count; Rollin J. 91629 by Wonder Chief; Carl's Critic 91367; T. B.'s Chief 85947; Buddy Onward by Buddy K. 4th; Clyde by Proud King, and T. B.'s Chief. Among the great sows are Wilkes Rose by Field Marshall Jr.; Lady Rosefield 2nd and Unbeam 2nd by Geneva Chief 48049; Choice Lady by Choice Goods I Am 49175; Ira May by Blue Valley Boy 62363, etc. Samuelson Bros. raise Durocs by the hundred and fatten the culls. They have been in the business a great many years and understand how to mate so as to produce the good ones. The farms are ideal hog farms and the pigs are raised under the most healthful conditions. They love the business and take great pride in conducting their business in a careful, honest and businesslike way. It is a real pleasure to deal with men like the Samuelson Bros. They price the pigs within the reach of farmers as well as breeders and ship none but the best. Write them for prices and description and mention Kansas Farmer.

## George W. Smith Writes.

A very interesting and encouraging letter has just been received from George W. Smith, big type Poland China breeder located at Burchard, Neb. Mr. Smith says in part: "We were visited by the best rain of the season today, and corn will be but

little damaged in this part of Nebraska. Unfavorable conditions earlier in the season caused the farmers to sell out very closely on hogs. There is a big shortage of brood sows, which should mean good prices this fall. I have the pigs at this writing about where they were September 1 last year, so you can have something of an idea of what they look like. I believe I can have a bunch for my November 3 sale that will come close to the 300 pound mark and with more quality than I have ever had before. The herd bears Mammoth Hadley and Grand Model, have both done well this summer. Mammoth Hadley looks like a full-grown Angus steer when viewed from a distance. Grand Model will never be so large but will have plenty of size and will show about as much quality as can be found wrapped up in one hog's skin." Mr. Smith is a regular advertiser in Kansas Farmer and merits patronage from the most critical buyers.

E. E. Hazen, secretary of the Kansas Sheep and Wool Growers' Association, is the owner of Tite Brook Farm at Hiawatha, Kan., and a most successful breeder of Hampshire sheep. There is no breed of sheep that is of more worth and greater promise for Kansas farmers than the Hampshire. Their large size, early maturity, good fleeces and heavy carcasses recommend them above others. Mr. Hazen offers a number of yearling rams for sale. Note his advertisement in the Readers' Market Place, and mention the Kansas Farmer when you write.

**Charles E. Sutton Makes Good Sale.**  
On Tuesday, August 16, Charles E. Sutton, Berkshire breeder of Lawrence, Kan., made one of the best sales he has had for years. A large part of the offering went to mail bids, and a large number of breeders were present from a distance. Mr. W. K. Picken of Livingston, Ala., topped the sale when he purchased Rival's Duchess for \$200. Following is a list of sales:

**BOARS.**  
Star Duke 4th, Bruce McDonald, Inwood, W. Va., \$175.  
Duke's Bacon 5th, G. M. Middleton, Shelbyville, Ky., \$150.  
Kansas Masterpiece 2d, I. C. Flora, Baldwin, Kan., \$75.  
Duke of Oakdale 11th, J. Workman, Russell, Kan., \$65.  
Duke's Charming, S. T. Steiner, Emerson, Ia., \$95.  
Duke's Royal, L. E. Frost, Springfield, Ill., \$100.

**SOWS.**  
Bacon Lee's Girl 9th, J. Workman, Russell, Kan., \$75.  
Bacon Lee's Girl 10th, U. O. Barber, Barberton, O., \$100.  
Bacon Lee's Girl 11th, J. H. Fullilove, Shreveport, La., \$85.  
Kansas Belle B., J. E. Hyde, Beloit, Kan., \$70.  
Kansas Belle A., Harpending Bros., Dundee, N. Y., \$65.  
Charming Duchess, C. L. Taber, Monticello, Ill., \$185.  
Masterpiece Duchess 10th, W. S. Cora, Whitehall, Ill., \$90.  
Masterpiece Duchess 11th, W. S. Cora, \$90.  
Masterpiece Duchess 13th, W. H. Cora, \$85.  
Duke's Royal Beauty 2d, J. H. Fullilove, Kan., \$50.  
Sutton's Royal Beauty 3d, J. W. Henderson, Auburn, Kan., \$80.  
Sutton's Royal Beauty 3d, Sheffield Farm, Glendale, O., \$170.  
Robinson Duchess, 10th, E. R. Wolf, Western, Neb., \$90.  
Robinson Duchess 11th, C. G. Nash, \$70.  
Robinson Duchess 12th, G. B. Helmuth, Millersburg, O., \$75.  
College Martha 4d, E. R. Wolf, \$65.  
B's Blossom 1st, J. W. Henderson, \$55.  
B's Blossom 2d, J. H. Fullilove, \$50.  
Wakarusa Dimple C., L. A. Walte, Winfield, Kan., \$75.  
Berrington Duchess S., E. R. Wolf, \$70.  
Lady Perfection, C. L. Taber, Monticello, Ill., \$75.  
Silver Tips 214th, J. H. Fullilove, \$100.  
Rival's Duchess S., W. K. Picken, Livingston, Ala., \$300.  
Rival's Duchess 2d, J. W. Henderson, \$75.

**SUMMARY.**  
6 boars ..... \$ 650; average.....\$110.81  
30 sows ..... 2,395; average..... 78.83  
86 head ..... 3,055; average..... 84.86

Walter Hildwein, Fairview, Kan., has one of the finest herds of Poland China swine the writer has ever seen. They are largely Expansion bred, and all of the big type. While the herd is not as big as some in point of numbers it exceeds most herds in point of quality. There are a number of spring boars that are now ready to sell from this herd and our earnest advice is that our readers get in touch with this herd if they want something really good.

**Moving a Farm.**  
L. H. Archias, a floriculturist and horticulturist of Sedalia, Mo., and who has been traveling through the European provinces during the first half of 1910 in the interests of the Archias Seed Store Corporation, tells of some of his strange experiences in France and Germany. To such a high state of perfection has the French peasant brought his land, through intensive methods, that the law permits him to remove the top six inches and take it with him to his new place of abode. The Americans, who, apparently, have no object in view but the exhausting of the soil would do well to study the methods of soil culture pursued by the Frenchman and German. These garden farms—often only a few acres in extent—produce more actual money than many real farms of 50 acres as cropped by American methods. These little plots are cropped and cropped with the most exhausting vegetables and flowers—but the fertility of the soil is kept up by fertilizers that are mixed with judgment. The proof of this lies in the fact that the law recognizes the right of the occupant of the land to this soil which he has made through his intensive methods.

Official statement of the financial condition of the Bank of Richland, Private Bank, Albert Neese, owner, at Richland, state of Kansas, at the close of business on the 15th day of August, 1910: Resources, \$77,832.36; overdrafts, \$6.10; expense account, \$778.05; cash and sight exchange, legal reserve, \$82,582.52. Total, \$131,094.47. Liabilities: Capital and stock paid in, \$10,000; surplus fund, \$18,000; interest, \$3,250.71; exchange, \$32.52; individual deposits, \$60,778.93; certificates of deposit, \$46,959.31. Total, \$131,094.47. State of Kansas, county of Shawnee, ss.: I, Albert Neese, owner of said bank, do solemnly swear that the above statement is true; that said bank has no liabilities, and is not indebted on any note or obligation, other than shown on the above statement to the best of my knowledge and belief. So help me God. Albert Neese, Owner. Subscribed and sworn to before me, this 26th day of August, 1910. Carl Thurber, Notary Public. Commission expires on the 24th day of April, 1910.



# TWO CERTAINTIES TAXES—DEATH

**YOU MUST BE PREPARED FOR ONE  
YOU SHOULD BE PREPARED FOR THE OTHER**



CHAS. A. MOORE,  
General Agent.

I want to have a heart-to-heart talk with the people of Kansas. I have paid for this space just to have a talk with you. I want to tell you about Life Insurance and the Standard Contracts issued by The Equitable Life Assurance Society, which I have the honor to represent in Kansas.

I WANT YOU TO KNOW that The Equitable is the strongest financial institution on earth in the Insurance business.

I WANT YOU TO KNOW that The Equitable pays its death claims more promptly than any other company in the world.

I WANT YOU TO KNOW that Equitable Policies are the Government Bonds of Life Insurance.

I WANT YOU TO KNOW that the assets of the Equitable, \$486,109 637, represents just about two and one-half times the total deposits of all the money in the combined banks in Kansas; or more than twice the total value of all the wheat and corn and cattle and hogs produced in Kansas last year.

I WANT YOU TO KNOW that you do not have to die to beat the Standard Equitable policies which are written on the Ordinary Life, Limited Payment Life or Endowment plan with dividends payable annually, which assures every policyholder that he or she will be able to secure insurance at actual cost.

I WANT YOU TO KNOW that The Equitable agents are absolutely reliable and every statement made by them may be depended upon.

We  
want  
you  
to  
know  
us



JAMES W. MACK,  
Special Agent.

We  
desire  
to  
know  
you



FRED B. GATCHELL,  
Special Agent.

I expect through the medium of this ad to increase the wealth of the citizens of Kansas by not less than \$2,650,000 by writing 1000 policies as follows:

400 policies \$ 1,000 each.....	\$400,000
300 policies 2,000 each.....	600,000
150 policies 3,000 each.....	450,000
100 policies 5,000 each.....	500,000
30 policies 10,000 each.....	300,000
20 policies 20,000 each.....	400,000

We are going to prove that we have just what you are looking for. We are going to write your insurance and present the policy to you for your acceptance without the cost of one penny to you. Read, sign and return to us the attached Free Examination Coupon. We could not afford to make this exceptional offer if we did not know that our goods are right and that our policies will prove to be satisfactory.

This special offer is good until September 15th only. Act now. This is your opportunity.

**CHARLES A. MOORE, General Agent**

**THE EQUITABLE LIFE ASSURANCE SOCIETY OF THE U. S.**

412-414 Central National Bank Building, Topeka, Kansas.

## KANSAS FARMER FREE EXAMINATION COUPON.

Mr. Chas. A. Moore, General Agent, 412-414 Central Bank Bldg., Topeka, Kansas.

I was born at Town..... County..... State..... on ..... day of ..... 19..

I can afford to invest \$... .. per year for a paying insurance contract and would thank you to submit for my approval a policy  
(State \$50, \$100, \$200 or \$500.)

best suited to me and with about the annual premium named above. Make policy payable to my.....  
(State relationship and give full name of beneficiary.)

It being fully understood that I am not to pay one cent either for the policy or examination fee if policy is not perfectly satisfactory.

Very truly,

(Signed) ..... P. O. .... State. ....