

# KANSAS FARMER

For the improvement  of the Farm and Home

Volume 50, Number 31.

TOPEKA, KANSAS, AUGUST 3, 1912.

Established 1863. \$1 a Year

**T**O talk of the weather is a gesture of primeval worship.

Yet, when the mercury crowds the top, the air shrivels like a blast from Erebus, the crinkling corn leaves curl, the resin oozes from the barn door, the blood of the turnip reeks and the panting hound is filled with a climbing sorrow—talk is the only welcome exercise.

But there is an element of worship in thankfulness, for when the crop prospects fade like "a withered moon smote by the fresh beam of the springing day" and nature stands on the verge of her confine—the poplar leaves show white, pigs romp and squeal, little cyclones play in the road, flies clinch on the cows, the rains come. Then Kansas fields conjure into crops that burst the bins, tax the trains and make or mar the markets.

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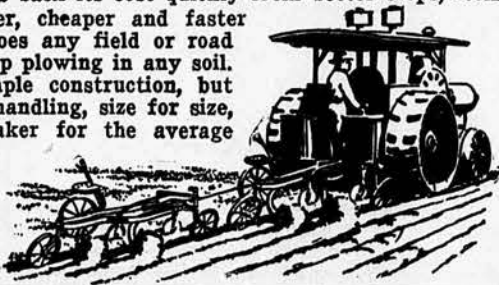
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# KANSAS FARMER

With which is combined FARMER'S ADVOCATE, established 1877.

Published weekly at 625 Jackson St., Topeka, Kan., by THE KANSAS FARMER COMPANY.  
ALBERT T. REID, President. J. R. MULVANE, Treasurer. S. H. PITCHER, Secretary.

T. A. BORMAN, Editor in Chief; I. D. GRAHAM, Live Stock Editor.

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#### "REDUCE THE WHEAT ACREAGE."

The following is an article by J. H. Miller, Director of the Extension Department of the Kansas Agricultural College. The article has to do with a subject of deep concern to Kansas wheat growers—that of more sane and effective methods of wheat culture. On this point KANSAS FARMER editor has written some, and thought much. It is certain that the western one-third of Kansas cannot prosper and its institutions and farmers become permanent on growing wheat as now done.

The policy of the Agricultural College as here outlined by Miller is, in our judgment, well worth a thorough trial and can be followed without fear of results any less profitable or disastrous than the methods employed in the past. With the adoption of this wheat growing policy, necessarily follows the growth of an increased acreage of forage and an increased amount of live stock. To put this suggested wheat policy to a test without increasing the live stock, will result in a lost opportunity and delay in solving the question of permanent prosperity in the west.

Miller removes big chunks of hide from the "crop boomer" and others whose suggestions deceive and whose deception results in much disappointment to settlers and irreparable injury to the state.

In printing this article KANSAS FARMER in the main endorses the policy suggested regarding wheat growing, and we also endorse the demand for honesty in setting forth the possibilities of Kansas agriculture. Kansas is a great state. Farmers can do as well in Kansas as in any other state or country, but so to do they must adapt their methods to the conditions of climate and soil under which they operate.

#### REDUCE THE WHEAT ACREAGE—WESTERN KANSAS FARMS UNBALANCED.

"It seems impossible for Kansas to keep out of the 'limelight.' We are either way up or way down. Last year the whole world knew of our crop failure in western Kansas and now the newspaper writers are sending startling stories about the need of harvest hands and reporting big yields of wheat. The eastern man thinks of Kansas as a big county, not comprehending that a reported failure in one locality could be contrasted with a big crop in an adjoining county. Kansas has lost infinitely more from 'crop boomers' than from 'crop killers.'

"Every exaggerated report of a big yield costs the real wheat farmer a few cents on every bushel of wheat, and it tends to encourage shiftless farmers to increase their acreage, and this always means poorer farming. About every six or seven years Kansas raises a 'bumper' wheat crop and then the 'Wheat Kings,' who have not made common wages for several years, brag about how many thousand dollars they get for wheat, and straightway 'scratch in' twice as many acres as they can harvest properly and 'gamble' on the weather and talk about how many bushels of wheat they will have next year, if—The winds come and blow out half the wheat, soil and all, the winter is hard on a fourth of what is left and the drouth of May weakens the remaining crop, and then restless ones 'move out.'

"There are fifteen counties in Kansas that have less population than they had a year ago. Too much wheat. Too little forage. Too little live stock. I believe in Kansas, and I believe in western Kansas, and I believe I am a better friend of the people and of that part of the state than the 'boomers.' George W. Martin said last winter that it would be a 'blessed thing if Kansas could keep its mouth shut for five years.' Of what avail is it to gain thousands of people in one 'fat' period, if we lose them in the first 'lean' period? We would not have these extremes if a better balanced system of farming were practiced. The western third of Kan-

sas is not, never has been and never will be, a profitable wheat country for any 10-year period, unless a radically different method of farming is adopted.

"I want to urge a reduced wheat acreage for the following reasons: (1) It will permit earlier and better seed bed preparation and no plowing for wheat should be done after August 20. (2) It will permit some rotation of crops and more forage crops, and this means more live stock, and that must be the basis of sound agriculture. (3) It will permit the seeding to be done between September 20 and October 15. (4) It will permit men to harvest their wheat with local help and to harvest their grain at the right time, and that is an aid to quality of wheat. (5) It will enable the farmer to better balance his farm and his equipment, his help and also his own time. (6) It will also mean for the western one hundred miles the practical adoption of the summer fallow method of growing wheat, and that will mean more bushels from half the acreage. Why not give this a trial? The other method for the last 20 years has not paid team wages. This recommended method certainly cannot be worse.

"Reduce the wheat acreage to a sensible basis and save the land. Wheat is always a soil robbing crop and the time will soon come when the 'Wheat King' will be considered an 'undesirable citizen.' Three years ago I assumed the responsibility of urging the railroads to quit giving reduced rates for 'transient' harvest hands. I am this year asking every thoughtful man in western Kansas, farmer, banker and merchant, to urge a reduced wheat acreage and better and earlier seed bed preparation, and in all counties in the western one hundred miles I want to urge the importance of every farmer adopting for a part of his wheat acreage the summer fallow method.

"Western Kansas has a great future if it can be built up again on sound agricultural lines and with less 'hot air'; with the idea of conserving the soil and its fertility and the normal moisture. Let us develop farming at home and reduce the acreage and increase the total yields. The best thing that could happen to the western fourth of Kansas would be for the state to buy all the unoccupied land and sell it out only to actual settlers who would be required to follow certain prescribed methods of farming."

#### ALFALFA SEEDING AGAIN.

Several letters have been received the past week asking whether spring or fall seeding of alfalfa is advisable. Practice varies with the different sections of the state, and this variation is due to the different conditions of the soil during the fall and spring. The seeding of alfalfa should be governed entirely by the moisture condition of the field to be seeded and the probable conditions with reference to early and late fall precipitation. For example, if it were my desire to sow alfalfa this fall, I would first determine whether or not there was in the soil, or likely to be in the soil on account of prospects for rain, the necessary moisture to germinate the seed and give the young plant a good growth before winter. If I were located in the the central or western third of Kansas, I would consider, as a general proposition, that the ground would not be in condition in the fall. I would plow early this fall, let the ground lie through the winter taking up all the moisture it could and compacting the seed bed for early spring seeding. If located in the eastern third of the state and desired seeding this fall I would at once get the field ready. In fact, for the best preparation the ground should have been plowed weeks ago. I would do my best at compacting the seed bed and would not seed until rain had come in sufficient quantity to store the needed moisture in the soil. Consequently, whether fall seeding or spring seeding be practiced depends upon the conditions named. In the west-

ern two-thirds of Kansas we regard spring seeding, one year with another, as the most successful. On the other hand, in the eastern third, fall seeding is the general practice and is successful on account of the greater rainfall and the more favorable moisture condition during the fall. So it is largely a matter of individual determination, governed by conditions.

#### DEMAND FOR COWS.

This country never saw such a strong demand for cows as now exists, and this applies to the beef breeds only less than to the dairy breeds.

Now, this suggests something. We must have cows. The beef market, as well as the dairy, demands them, but where are they to come from? Buyers of both classes find them extremely difficult to get, even at the advanced prices which now prevail, and yet they make money for the buyers, even at these prices.

Cattle will always make money, and the changed conditions in this country require that they now be raised on the farm. This is the only way. Some men still think that they can buy more profitably than they can raise calves, but can they?

Aside from the risk which always comes in buying, there is the scarcity and high prices to contend with, while, with separator milk, the raising of calves is neither expensive nor troublesome, and with the silo the production of either beef or milk becomes more economical and more easily possible to all farmers than ever before. The silo will do more for America than all the irrigation projects.

It is not unusual to find a field in which the disc followed the binder or header. We were recently interested in the plowing on two adjoining farms. On one farm the field being plowed had been disked and on the other no disk-ing had been done. The disked field was plowing easier and the field showed considerably more moisture. There was a marked difference in the plowed land in the two fields. The fields were in the Kaw bottom. That which has been disked was less cloddy and more compact on account of the contact of the furrow slice with the furrow bottom. Disking the ground before it is plowed produces a mulch which fills up the air spaces between the furrow slice and the ground beneath, thus making an ideal foundation for the preparation of a firm and compact seed bed. The air spaces between the furrow slice and the furrow bottom in the field not disked can be closed and the field compacted only by a great deal of work, unless heavy rains should precede seeding time. In our judgment, this is another example of the feasibility of preparing the seed bed for wheat in advance of plowing. The compacted and firm seed bed is recognized as essential for best results, and the disk ahead of the plow is one way by which this can be accomplished.

The proposal of the western members of the American Poultry Association to bring the headquarters of that association of Kansas is commendable, and they have the support of Kansas members. The location of these headquarters in Kansas would result in the establishing of a national poultry experiment station, which would lend a tremendous impetus to the poultry business of Kansas. It would make Kansas the center of poultry activities for the United States. Kansas members of the association should exert such influence as are within their reach to make Kansas the conspicuous poultry state it would become as a result of national poultry headquarters being established within her borders.

It is the stirred soil that produces, and the soul that is most profoundly moved reaches the highest level of duty and action. The highest joys seldom come to the placid mind.

#### THRESHING FROM SHOCK.

Plowing for wheat throughout Kansas has not progressed as rapidly as it seems to us it should. Inquiry develops the fact that plowing is delayed on account of the increasing tendency to thresh wheat out of the shock. We do not believe that in the history of Kansas there has ever before been so much threshing done out of the shock as this year. The anxiety to get wheat onto the market has, in many instances we have no doubt, been responsible for threshing out of the shock. We found a number of farmers who will thresh out of the shock, but who will hold their wheat. According to the newspapers, we might conclude that there will be less wheat marketed early this year than for many years. Without entering into a discussion of the early marketing as compared with the storing of wheat, suffice it to say that, in our judgment, when the farmer's financial condition will warrant, he is justified in holding wheat. The marketing of large quantities immediately after harvesting can have no effect other than the depressing of prices. If one has the capital which will permit the holding of wheat and selling at most favorable times, we believe the wheat crop can be made to yield an increased profit as a result of storing.

The friends of butter lost a lively little tilt in the House of Representatives a few weeks ago when the question of appropriation for "oleomargarine, butterine or other imitations of butter" came up in the contracting of supplies by the government for soldiers' homes. It was moved by the friends of butter to substitute the word "butter" for "oleomargarine, butterine or other imitations of butter." The motion to substitute butter was lost. Why not leave it to the old soldier himself to determine whether he wants to eat butter or oleo? If oleo is forced on to him for the sake of economy, it is an outrage. If he prefers oleo, let him have it. The chances, however, are 100 to 1 that he would prefer butter. However, on the above motion in the House of Representatives there were only 95 votes cast—54 against substituting the word "butter" for butter substitutes, and 41 for it. The question naturally arises: Where were the remaining number of the 400 Representatives in the House who should have voted on this question?

In discussing the annual distribution of free seeds by the federal government, with a party of several readers of KANSAS FARMER, each of which reader had been disappointed in the results obtained by the use of some of these seeds, one of the parties, in an emphatic manner, stated that he thought someone should start a petition asking the federal Department of Agriculture to distribute free excursion tickets instead of free seeds. He thought a free excursion ticket would be much more satisfactory to the average citizen, and no one would be done any damage and that, in the course of 15 or 20 years, every farmer would be given an opportunity to have at least one outing.

Kansas has been honored by the election of E. T. Fairchild, State Superintendent of Public Instruction, as president of the National Educational Association, representing more than 15,000 of our best educators. This is a well deserved honor coming to Superintendent Fairchild—one of the leading educators of the United States. Newspaper report has it that Superintendent Fairchild has been tendered the presidency of the Wisconsin State Normal School. Superintendent Fairchild is not a candidate for re-election as Superintendent of Public Instruction, and it is not known what his plans for the future are. It is to be hoped, however, that Kansas will be able to continue to avail herself of his services with some one of her institutions.



# GENERAL FARM INQUIRIES

Our subscriber, W. H. B., Clayton, Texas, says he has seen a good deal in Kansas papers lately about the growing of broom corn, and in one publication the statement was made that in certain sections the farmers should quit growing corn and wheat and go into the broomcorn business. This subscriber says that for 35 years he has been engaged in growing and manufacturing broomcorn, but he does not advise anyone anywhere to make broomcorn his sole crop. It is not wise to depend upon any one thing for a crop. The more diversified crops a man plants, the better are his chances to get a good average return. KANSAS FARMER is confident that the subscriber states a wise policy.

## Effects of Siloing.

An analysis was recently made of green alfalfa and green corn before being placed in the silo. An analysis of same was made after they had become silage. It was found that the corn lost slightly in all of its food constituents. It was believed, however, that this loss was more than made up by the increased palatability. The alfalfa lost over a third of its protein and carbohydrates by siloing, and the constituents of food in the case of the alfalfa were not so easily digested in the silage. The above was the work of a German experimenter. It has been generally accepted in this country that it does not pay to place alfalfa in a silo, except as a means of saving it when the weather has not been favorable to proper curing or when it has been rained on and would have little value as hay.

## Straw Spreaders.

Our subscriber, S. T. S., Salina, Kan., having heard about straw spreaders, wants to know more about them. The editor has seen no straw spreaders in operation. We know of several being manufactured—one by the Simplex Spreader Manufacturing Company, and the other by the John Deere Plow Company, each of Kansas City, Mo. Spreaders may be made by other people not known to us. The spreader is attached to a hay rack or header barge. One man on the wagon pitches the straw to the spreader, while a boy drives the team. The farmers in the wheat belt have, in our judgment, long needed an implement that would enable them to spread straw economically and quickly. A 40-acre straw pile is easily worth \$100, inasmuch as it contains plant food elements worth that amount. The spreading of straw on the field is beneficial as a mulch to conserve the moisture and to give the young plant protection from violent winds and drifting soil.

## Must Work to Earn Money.

The printers about this office tell me that when the presses downstairs are not running we are losing money. This means that when a machine in which Kansas Farmer Company has an investment of \$1,400 to \$2,000, is not working, it is not paying interest on the investment and the money invested is earning nothing. When this statement was made, it seemed to me it applied with equal force to every farmer. If we have a lot of horses for which we have no work, or do not use, or if we have a pig, a calf or a cow which is not growing into money or making money, the farmer is losing the possible profit on his investment in that animal. This illustrates plainly the point we have endeavored to make time and again, namely, that we must keep the animals growing. We must keep the horses at work and must find some profitable employment for ourselves every day of the year, except Sundays and holidays, if the farm is to yield the greatest profit.

## Ice Cream Making on the Farm.

Not long since the editor and his family were visiting a farm home in which ice cream was made at least once a week, but would have been made oftener except for the length of time required in the freezing. Inquiry developed the fact that it required from one hour to an hour and a half to freeze cream, and which leads to these remarks. One part of coarse salt should be used to each 2 parts of ice. The salt and the ice should be tamped solidly around the freezer. The ice should then be covered with a burlap sack and this tamped down tight on the top of the ice. The freezer should not be filled full, on account of expansion resulting from freezing. As a gen-

## Something For Every Farm—Overflow Items From Other Departments

eral practice, if the freezer is two-thirds full, the best results will be obtained. The crank of the freezer should not be turned faster than 80 revolutions per minute. If the above directions are followed, the ice cream should freeze within one-half hour. The mixture should not be warm when placed in the freezer. Its temperature need not be higher than the temperature of the surrounding atmosphere. Ice cream is a refreshing diet and it helps along in disposition and sociability to make it on the farm as often as conditions will warrant.

## Pure Food Law for Threshermen.

The pure food laws of Kansas, it seems, are so constructed as permits the chief food and drug inspector to exercise all the liberty he may elect in every phase of manufacture or production. Dr. Crumbine has checked it up to the threshermen to see that wheat is not adulterated by the presence of weed seed. He has ruled that if there is more than one-half pound of weed seed or other foreign substance to the bushel of wheat after threshing, the wheat will be held as adulterated and the threshermen be made responsible and subject to prosecution for violation of the law.

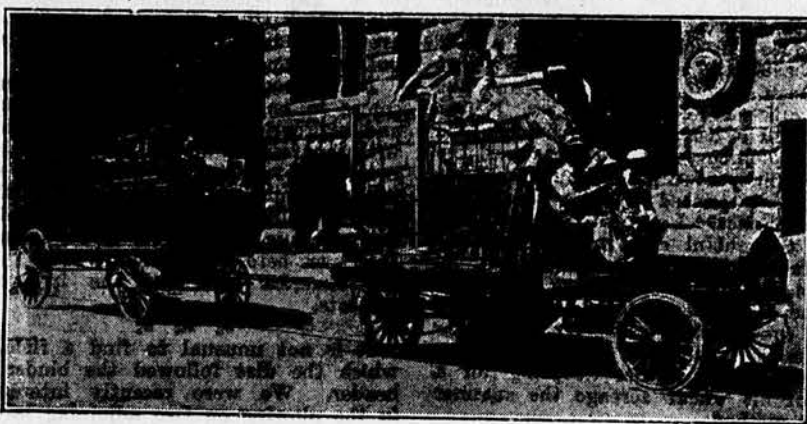
The reason for this action of the pure food department is reported as follows: "The standards under the Kansas Food and Drugs act do not permit the presence of weed seed, or other foreign matter,

000,000 annually being shipped out of this country for dairy products, the cow and how to increase her certainty has the most need of consideration by all patriotic citizens.

The show will be held this year, commencing October 24, in the International Amphitheater, Chicago.

## Government Helps Farmers.

In no other country in the world does the government lend aid to its farmers as does Denmark. This aid is devoted principally to the farmers, and the greatest energy is expended in the largest possible and most economical production of butter, bacon and eggs. The government encourages the small farmer, and the country is made up wholly of small farms. One of the principal sources of aid is through furnishing farmers with cheap money. The government controls a series of banks. A laborer who has worked on a farm five years, and who has a character so good that two reputable farmers will certify to it, may obtain from one of these banks a loan of about \$1,582 in our money. With this he may purchase a farm of from 3½ to 12 acres. The amount loaned by the bank covers probably nine-tenths of the value of the farm—not of the land, because land in Denmark is never sold merely as land. The farm is judged by the value of its production or its ability to sustain dairy cattle and



MCINTYRE TRUCK AND FARM WAGON AS TRAILER USED IN MOVING HOUSEHOLD GOODS AND FARM MACHINERY A DISTANCE OF TWENTY MILES.

in significant quantities, and if weed seed is present in significant quantities it will be considered an adulteration.

"The addition of weed seed, or other kinds of grain, to any grade of wheat is prohibited under the law as constituting adulteration, or the mixing of spoiled or sprouted grain to good grain in just such amounts as to pass grain inspection, is prohibited."

Dr. Crumbine says he hopes to have the cordial support of threshers in an effort to have a better quality of wheat with a corresponding increase in the value of the Kansas product in the markets of the world.

## Seventh Annual Dairy Show.

While this event has each year given evidence of its usefulness to the dairy world, yet the rounding out of the seven-year period promises to give to the country one of the most valuable educational shows ever presented. With the thought in mind that the importation of dairy products is growing to a dangerous amount and that present prices and general conditions concerning agriculture in America warrant a tremendous amount of work to stop the terrific drain upon our gold by foreign countries for products we should and must grow at home, the attention of the management has been given entirely to the rendering of practical demonstrations on lines of the maximum of production at the minimum of cost, of dairy products.

Matters of breeding and feeding will be presented by demonstration and discussion; the better handling and marketing of dairy products will be discussed—in fact, everything that will tend to aid in profitable dairy farming will be here shown and talked over by the highest national authorities. But the cow and her place upon the farm will be the paramount issue; with \$9,-

hogs. Experts of the government visit every farm in Denmark every eighteen days and advise with the farmers as to the best methods of handling their business. Dairying is the principal industry. Hogs and chickens consume the skim milk, and are in that country—as in this—necessary adjuncts to dairying. Denmark comprises 15,000 square miles and is 5,000 square miles less than one-fourth the size of Kansas. It supports two and one-half millions of people and markets \$150,000,000 worth of butter, bacon and eggs annually.

## Home-made Roller in Alfalfa Seeding.

Our subscriber, H. S. W., Wakefield, Kan., writes: Last fall I had a piece of land in wheat, which land was rolling and part of which was stony. I wanted to get this field started to alfalfa. I took the wheat off the land and disked twice, harrowed until the land was in fine shape, and sowed about 20 pounds of alfalfa seed to the acre. I thought I would harrow it in, but the wheat stubble bothered and dragged the seeds into piles, so I got a corrugated cast roller and rolled both ways, and did not harrow the seed after putting it in. I sowed this about August 15, and the results were good. I got a fine stand and it went through the winter fine, and now I am cutting hay off my last year's wheat land. Almost all the alfalfa sown here last fall was winter killed, but the rolled went through in fine shape.

I would prefer to sow, harrow once, then roll, but if there is too much trash on the field the method I followed works fine, as the roller presses the seed into the ground and covers it. The advantage of this is you don't lose the use of your ground at all and the fall alfalfa is not bothered with weeds. I have made a roller for putting in alfalfa, which works well. I took a log about 18 inches in diameter and 5 feet long. I bored

holes in center and put bolts in the end, and a casting with two bolt holes in, to bolt onto frame. I bought O. G. batting at the lumber yard and nailed around the log to leave the land in a crimped condition. I then weighted it as much as I thought necessary. This roller will pull easy and will get a good stand, as I have sown a piece this spring, using this home-made roller. I do not claim that this is the only way, but I do claim that this is one of the best ways in my experience.

## Lack of Alfalfa and Kafir Appreciation.

It is human nature to minimize the value of the good things we ourselves possess or have at home. This, for years, has been true of alfalfa. This is a wonderful crop; in fact, the most valuable, we believe, it is possible for the Kansas farmer to produce. We know if it be fed to high quality live stock there is no other crop worth so much money. We are lacking in its appreciation, and while we are in this attitude our neighbors of the east and north and south are attempting Herculean tasks to establish it in their localities. Seemingly those who do not have it appreciate it more than those who have or who can have it. The same situation promises to exist with reference to Kafir. We note from the farmers' correspondence of both eastern and northern papers that Kafir is attracting much attention outside of that section which we commonly recognize as needing it. Iowa, Illinois, southern Wisconsin, southern Minnesota, North and South Dakota, and Nebraska farmers believe they have recognized the value of this crop and are making much inquiry as to the securing of pure Kafir seed adapted to their localities, and if acclimated seed cannot be found they purpose to obtain those varieties which it is believed are best adapted to their conditions of soil and climate, and as a result of years of cultivation and growth purpose to acclimate varieties which will be successful. These farmers will succeed with Kafir, as they have with alfalfa. Their determination will win, but while those of our neighbors are striving to obtain each of these valuable plants, why should not we at home, where we have no such problems to contend with as they, realize to the greatest financial advantage possible on them? KANSAS FARMER receives many letters from readers outside of Kansas for information regarding alfalfa and Kafir and supplies these with the best advice on each subject.

## Advantages of Cow Testing.

KANSAS FARMER has for years been urging the testing of cows. Recently we told of the efforts being made to establish cow testing associations in Kansas and recommending that our readers take advantage of the first opportunity they have to join such association. The federal government has been doing cow testing work in the south, and here is what farmers there think of the movement:

J. K. Morrison, a dairyman of Grenada, Miss., writes: "I write to express my great appreciation of the work done for me by your department."

"From the records kept I found two cows that produced over \$200 profit—one, \$110.88, the other, \$103.80. A two-year-old heifer made \$97.50 net profit. I began to test with six cows. I have sold two of them, as they were unsatisfactory. I have four more that have not finished the year's test, but I will probably sell three of them and replace with registered stock."

"I built a concrete floor in my dairy barn. Have laid the foundation for a silo; have ordered stanchions and a registered bull."

"I wish to assure you as the head of the dairy department that I shall help to spread the gospel of better cows, better methods of handling, and more feeding of carbohydrate value."

"Excessive use of meal and hulls is doing much to keep us down in dairy work in the south. Cheap protein should be a help, and not a hindrance. I thank you that you are trying to help the little dairyman."

"I shall not be satisfied until I have a dairy of ten cows producing a net profit of \$100 each. I should do this at an early date with the aid of the Babcock tester, the scales, a silo, and more grain which I have to raise this season. I am thoroughly imbued with the dairying spirit, and hope that I can repay the department for the aid given me by helping others."



# FITTING HOGS FOR THE FAIR

## Reputation As a Breeder Is Won Quickly In a Winning Contest

Now that the fair season is near, preparation should be made by every citizen to attend, either as a visitor or an exhibitor. Sometimes visitors complain that the fair has not met their expectations; that they have bigger pumpkins, better pigs or finer pears at home than those on exhibition. When this is true the visitor lacks loyalty, and the fair association, as well as the whole community, lacks the assistance which he could and should have rendered.

A fair is a public institution in the fullest sense. It is the result of community work, and cannot exist without the co-operation of its officers, its exhibitors and its visitors. Those who can exhibit and do not, have failed of their duty to their neighbors, but more especially to themselves.

The prizes to be won at a fair are an incentive, but not the chief. The cash won does not often pay for the time and labor incurred in preparing exhibits. The ribbons are of more value than the cash, and are prized accordingly, as they are the lasting evidence of success in preparation, of victory in the contest and of the reputation which comes to the winner.

If the exhibitor be a breeder of pure-bred live stock he must have a reputation for both himself and his hogs. His reputation as a man is already won and he can gain a reputation as a breeder more quickly and more cheaply by successful exhibitions of his stock at the fairs than in any other way.

A man may be an excellent breeder of pure-bred hogs, and thoroughly understand the methods of fitting them for sale and yet not be familiar with the demands of the show ring. The judges are shrewd observers and attention to details on the part of the exhibitor is essential.

The important thing is not only to have a good hog, but to have the best you can produce. This means that you have well-bred stock, that it has been kept in a thriving condition and that it is prime at show time.

Show hogs should be separated from the others early in the season and given special care. All lice must be killed,



BRED RIGHT, FED RIGHT AND SHOULD BE SHOWN RIGHT.

the skin gotten into perfect condition and internal parasites destroyed.

Plenty of pasture must be provided, especially for the youngsters. Nothing is better than alfalfa or clover, though blue grass is good, as is also sown crops like oats or rape. All hogs should have pasture, but show hogs must have it. Cost of feed cannot be considered too seriously in fitting show hogs. The object you have is to produce the best living hog of the breed, and unless you are willing to sacrifice both time and money, you had better stay out. Milk is one of the best possible feeds, and nothing will quite take its place as an appetizer, as a bone and muscle builder and a general conditioner. Whole milk fed warm from the cow may be expensive, but it will pay. Remember, that you are not raising pork, or even sale hogs. You are feeding a prize winner.

Add middlings or shorts to make a slop, and balance with soaked corn or

barley. Oats are good feed, but bad for the hogs on account of the hulls. Watch and cater to their appetites. Feed what they like and see that the ration is balanced. Don't over-feed or under-feed, but gradually increase the feed until the maximum is reached, and change it if necessary.

Provide shade, and a bath in running water, if possible. Both are necessary, as well as clean, cool water for drinking. And make them exercise. The pigs will get exercise, but the hogs must be made to take it, and while this is being done they can be handled so as to grow accustomed to show yard conditions.

If the hogs do well and meet your expectations, then dress them up ready to show. Watch the feet. The hoofs should be trimmed as short as possible without causing lameness. They may be trimmed frequently as this, together with the exercise, will enable them to stand up on their toes better. The hog

men watch this point, and so do the judges.

Then clip the hair on the whole body, including the face, inside the ears and the tail. Do this carefully and neatly, and then give them a good scrubbing in soapsuds, using a stiff brush, and rinse in rainwater.

All this time they should be handled and trained for the show ring. Make them stand with their feet under them and appear at their best. Remember, it is money, and reputation, which means money, that you are after, and spare no pains. A well groomed and well trained hog is sure to find more favor in the eyes of the judges than he could do otherwise.

Just before shipping, while on the trip and during the fair, reduce the feed a little. Give plenty of cool water, and milk if you can get it, as it will be hard to prevent the hogs going off their feed during this period. Milk will save the situation as nothing else will.

When you get into the show ring watch your hogs. This means watch your own hogs, and not those of some one else nor the actions of the judge. When the judge comes to your hurdles get your hogs posed, and show them to the best advantage. You are entitled to this, and it pleases the judge and saves him trouble.

You want the premium. That is what you have expended all the labor and time and cash for, and you would be unfair to yourself if you did not try by every fair means to get it. That premium means a little cash and a little ribbon, but it means a whole lot more. It means the instant reputation for your herd which can be secured in no other way. It means an increased value of your hogs, as a prize winner will always sell for more than will an unknown hog, and so will the get or produce. It means an instant and continuous demand for your stock, and buyers will come to you instead of your hunting for buyers. But above all, that ribbon means that you have done something; that you can enjoy the pride of accomplishment, and that in this accomplishment you have trained yourself.

## The Horse's Board Bill

The most important item in the cost of keeping horses is the feed bill, and the horse must earn this and a profit for his owner besides.

City men who buy all their feed and who "keep books" may know the cost of keeping their horses, but it is doubtful if the average farmer finds the matter of sufficient interest to think about.

Like all other animals, the horse relishes a variety of feeds and it frequently happens that these can be selected and combined in such a way as to reduce the expense, as well as please the horse.

For instance, the Michigan station found that a ration of 8 pounds of grain fed with oat straw and corn fodder made a satisfactory winter ration for horses at light work, and this is certainly a cheap combination and the grain allowance much less than normal.

The rule that the horse should be fed a pound of grain and a pound of hay a day for each 100 pounds of live weight applies to oats and timothy or prairie hay, but would not apply to other hay, especially alfalfa or clover, which must be given in less amounts.

In Minnesota an investigation covering several years and including 100 horses on many farms, showed that the cost of feed for work horses varied from \$69.32 to \$104.27 per year. This is easily figured out. For a 1,200-pound horse, the ration would be 12 pounds of oats and the same weight of hay for each day. This would amount to 4,380 pounds of each in the year, and as oats were then worth 40 cents per bushel and hay \$15 per ton, the cost for the year's feed amounted to \$77.61.

Prof. Cochel, formerly of the Pennsylvania station, but now at the head of the animal husbandry department of the Kansas College, fattened some horses during the winter of 1910-11 by use of a silage ration. Seven horses were fed 84 days on shelled corn, cottonseed meal, mixed hay and silage. They gained a total of 940 pounds at a cost of 21.5 cents per day.

Dr. McCampbell, who conducted a

most remarkable feeding experiment with over 700 horses at Ft. Riley, found that a ration consisting of oats 4 pounds, corn 6 pounds, bran 4 pounds and timothy hay 12 pounds for each 1,000 pounds weight, was the best ration, though not the cheapest. Another large group fed on a ration composed of corn 6 pounds, bran 8 pounds, oil meal 1 pound and alfalfa 10 pounds for each 1,000 pounds of live weight, produced almost as good results, and at a considerably lower cost. In fact, this last ration was the best one discovered in the Ft. Riley experiments when cost alone is considered, as this amounted to only a little over 19 cents per day.

At the Ohio station it was found that the cost of feed for farm horses could be materially reduced by the substitution of corn for oats and fed with mixed timothy and clover hay. As many people believe that corn induces laziness and a lack of endurance, this experiment had for its object the determination of its effect as compared with oats. It was found that when ear corn was fed to

working geldings with clover and timothy hay, the corn was practically as efficient, pound for pound, as oats and that, as corn is practically always cheaper than oats, its substitution resulted in a material saving, with no detriment to the horses. This is probably only true when clover or alfalfa composes a part of the ration, as a clover is needed to balance the ration. Corn fed with timothy, prairie hay or corn stover would lack in protein, which is rich in oats and the clovers.

The Michigan investigators found that the average farm horse was fed 3,736 pounds of grain and 5,149 pounds of hay each year. This is at the rate of 15.3 pounds of grain and 21.1 pounds of hay per day. This is too much, and results in waste. If the rule of a pound a day of grain and hay for each 100 pounds of live weight were applied, there would at once result a saving of nearly 2 cents on each day's feed for each horse.

In proportion to his size, the horse has a very small stomach, and this in-

dicates concentrated, rather than bulky, feeds and it also indicates feeds with proper protein content for bulk consumed. This is why oats have always been thought the proper feed for horses.

By supplying concentrated protein feeds like oil meal, cottonseed meal or gluten feed in small quantities, the cheaper grains may be substituted for oats with equally good results. The Iowa station found that the health, spirit and endurance of the work horses were the same when fed corn, with a moderate amount of oil meal, as when fed a corn and oats ration of the same nutritive ratio. The ration of corn and oil meal or cottonseed meal maintained the weight, flesh and appearance of the horse fully as well as did the corn and oats, while the expense was much less. They figured the oil meal at \$32 per ton and showed that its use in place of oats or in partial substitution for oats, effected a material saving, and the horses did as well on it.

As oats is the most expensive farm grain and corn the cheapest, the substitution of the one for the other is desirable if it can be done without detriment to the horse. Added cottonseed or oil meal will do this, though there is less need for it in Kansas where alfalfa is fed. Alfalfa, being rich in protein, supplies that element which is lacking in corn and which is rich in the oats. A ration composed of corn 12 pounds, alfalfa hay 10 pounds and corn stover has been found very satisfactory and cheap. The alfalfa prevents the heating effects of the corn, and supplies protein, though this might be increased by the addition of a small amount of oil meal.

The horse is the most important animal on the farm. Upon him depends all else. His wellbeing means capable work, well done at ordinary times, and the salvation of crops in emergencies. As the horse is fed, so is he, and as is the horse, so is his master. He earns good feed and good care. That is all he gets. But if he can be pleased with a ration which also saves money, both horse and master are benefitted.



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E. Myers,  
President,  
E. Myers  
Lye Co.

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### These Letters Convince—Read

From Elvia Potter, Junction, Mo.: "Have been using a great deal of Merry War Powdered Lye. Find it the best medicine for hogs I have ever used."

Adam Schultz, McLouth, Kans., says: "I consider Merry War Powdered Lye the best hog remedy I have ever used, and the cheapest. It has made a marked improvement in my herd."

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Get a few cans of Merry War Powdered Lye of any dealer. Feed night and morning every day. Your hogs will improve from the very first feed. It makes them immune to disease—fattens them surer and quicker than anything else—tones the system—assists in perfect assimilation of food—prevents scouring. It saves feed, because every pound of the food they eat goes into flesh and none of it is wasted. Merry War Powdered Lye is not only the best hog remedy, conditioner and fattener the world has ever known—it is also cheapest.

### How To Use Merry War Powdered Lye

Follow these directions carefully: Mix one tablespoonful Merry War Powdered Lye with slop for 10 hogs, or a half can with barrel of swill. Stir well and feed every day, night and morning. If your hogs are on a dry feed ration, mix a half can Merry War Powdered Lye to each barrel of drinking water.

### At All Leading Dealers

Merry War Powdered Lye comes in 10c cans; full case of 4 dozen cans for \$4.00, at Grocers, Druggists or Feed Dealers Everywhere. There are no substitutes.

E. MYERS LYE COMPANY,

### Heed My Warning

Lots of farmers and hog raisers have been led to believe that they could get the same results from any lye and have lost their pork profits as a consequence. Now, don't you make this same mistake. There's only one lye that is absolutely safe to feed to hogs—that's Merry War Powdered Lye—especially prepared as a hog remedy. No other manufacturer knows the secret process which makes Merry War Powdered Lye absolutely safe to use in Hog Feed. They have not discovered the combination in Merry War Powdered Lye that makes hogs well, keeps them so; produces highest priced pork.

### Get This Free Booklet

Most dealers handle Merry War Powdered Lye. If yours can't supply you, write us, giving your dealer's name and we will see that you are supplied, and will also send you, free, a valuable booklet on "How to Get the Biggest Profit from Hog Raising."

### Kettle Powdered Lye For Soap Making

If you want the best lye, exclusively for soap-making, scouring, cleaning, disinfecting, etc., use my famous Kettle Powdered Lye—it makes the best soap you ever used—but don't feed it to your hogs. Feed only Merry War Powdered Lye to your hogs.

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# THE FARM



The editor has been doing some more traveling. He is spending a considerable part of his time among farmers, in an effort to learn what they are thinking and doing and, although he spent thirty years of his life on a farm, he realizes that there is a vast difference between the farming methods of today and those of his own farming experience, even though the same principles making for the best practice in agriculture prevailed then as now. We know that no editor of a real farm paper can write successfully from the office, regardless of how well he may be posted. It requires contact with the farmer and contact with the field to get the farm spirit. We are endeavoring to obtain our inspiration—if such it may be called—from these two points of contact.

One of our most recent trips took us through Osage county, and another through Jefferson and Douglass counties, each over country roads with frequent stops here and there to visit with farmers and make examination of fields. Another trip was by rail across the counties traversed by the Santa Fe between Topeka and Newton. The car window observation has been ridiculed, and justly so when the observer has no practical knowledge of crops and crop conditions. This editor, though, is confident that in certain respects he is able to make a reasonably accurate car window observation with reference to growing crops. Corn and feed west of Topeka was needing rain, and some fields of corn have already been damaged. However, there is enough corn not damaged and in such condition as to yield a good corn crop for the several sections, provided rains are not too long withheld. Cane and Kafir—true to the characteristics of these plants—have in many fields not made the usual growth for this season of the year, but are not damaged and promise well. Each have not made the usual growth for this time of year, due, first, to late planting; and, second, to what appears to us an unusually thick planting. It does not pay to plant any crop too thick. The thickness of planting, of course, depends upon the character of the soil and upon the rainfall, but the one great fault with the planting of the above crops in general, is that of using too much seed. This weakness in our planting method is a thing which farmers generally can well afford to investigate. In the case of several cane and Kafir corn fields drilled too thick, only an abundant rain can make a reasonable amount of tonnage. On the other hand, adjoining fields of the same crops, drilled thinner, have twice the growth and twice the tonnage already as compared with the thicker sown. The thin sown crop is, consequently, far ahead of the thick sown and will appear at an advantage over the thick sown nine of every ten years, the one exceptional year in favor of the thick sown being that year of unprecedented heavy rainfall.

On our trip from Topeka to Newton, and through which country corn was most badly in need of rain, we observed several fields of exceptionally thin corn. Evidently the stand was poor from the first planting and the fields had not been re-planted. In each of these fields the stalks were larger, there was a shoot on practical every stalk and the tassel was unburned. There were not more than one-half as many stalks in each field as the farmer would ordinarily regard as a fair stand, but under the prevailing conditions the yield from these two fields of thin stand had a ten to one better chance than most fields. This is mentioned to illustrate remarks we have already made with reference to thick planting and to illustrate our statement that in planting we do not get too many stalks on the ground. One stalk of corn in the right place is plenty and for a period of ten years will produce larger yields than two or three stalks in each hill. Remember, that in every check-rowed acre there are 3,600 hills and that if we have one ear of corn weighing a pound—which is not a large ear—we will have a yield of 50 bushels per acre.

A great deal of corn is late, and this

condition in itself makes the chances for a corn crop very much better than they would have been at this writing under normal conditions. A great deal of corn plowing was being done at the time of our several trips. The object of this plowing was not for the purpose of destroying the weeds, but for the stirring of the soil with a view to breaking up the hard surface and to conserve the moisture. In most instances the plowing was being done with the ordinary two-horse, four-shovel cultivator and in most instances the cultivation was too deep, or deeper than necessary. In cultivating the surface under these conditions we know it is the best practice to use the three-shovel, two-horse cultivator, or the seven-shovel, one-horse cultivator. With this implement run once between the rows. Either of these implements has the effect of more thoroughly stirring the surface soil than the two-shovel cultivator and they need not be run so deep to accomplish the results which the operator thinks he is accomplishing with the two-row cultivator.

A great many farmers gave the corn a severe plowing the last time through the field. We recently noted one field which, in our judgment, had been almost ruined as a result of deep plowing too close to the corn when laid by. It was apparent that the cultivator shovels had run so deep and so close to the corn row in the ridging of the corn that the roots had been torn and the growing corn showed evidence of the damage. The best practice, we think—as is generally conceded by the best corn growers—is that the last plowing should be surface cultivation, great care being exercised not to interfere with the roots. The old idea of ridging the corn, particularly listed corn, like a sweet potato row, is rapidly passing. The thorough cultivating of the seed bed before planting, is growing on corn growers. There are exceptional years when almost any method of cultivation produces a corn crop, but we must not be governed by methods which result favorably in the exceptional season. We must accept the general condition and farm for it. If we do this, we will not be the loser the exceptional year.

Between Topeka and Lawrence the editor examined two fields of corn in which the most favorable all-around conditions would not result in a good crop. This was so from the fact that the corn was too thick. Each field was check-rowed and in each hill there were from 4 to 6 stalks. We chanced to meet the owner of one field and inquired why he had planted so thick. His reply was that in his neighborhood there was a lot of talk about last year's corn being of little or no value for seed. He planted corn three years old thinking that this would be better seed than last year's seed but expecting that not more than one-half of the seed planted would grow. Consequently, he planted two times as much corn as was needed. Unfortunately, every kernel planted grew. The stand is easily two times thicker than it ought to be, and the chances for a crop are, in our judgment, very poor. If this corn grower—doubting the germinating quality of the seed he intended to plant—had made a test, even in the most crude way, he would have found that the seed selected would grow and in all probability would have saved one corn crop. This corn was growing on Kaw bottom land—the best soil in the world—and on which a complete failure is rarely known. It is a serious mistake to plant a crop under such misapprehension as did this man. The second field inspected was, in all probability, surrounded by the same conditions with reference to seed, as was the first above mentioned, but we did not meet the owner. This is a pretty fair lesson as to the necessity for knowing the germination of seed planted.

### Stock Raising vs. Stock Farming.

The Texas Farm Journal presents an idea in these words: "The sooner the stockmen of Texas forgets the methods of 'stock raising' and get down to brass tacks by adopting the principles of 'stock farming,' the sooner will they begin to



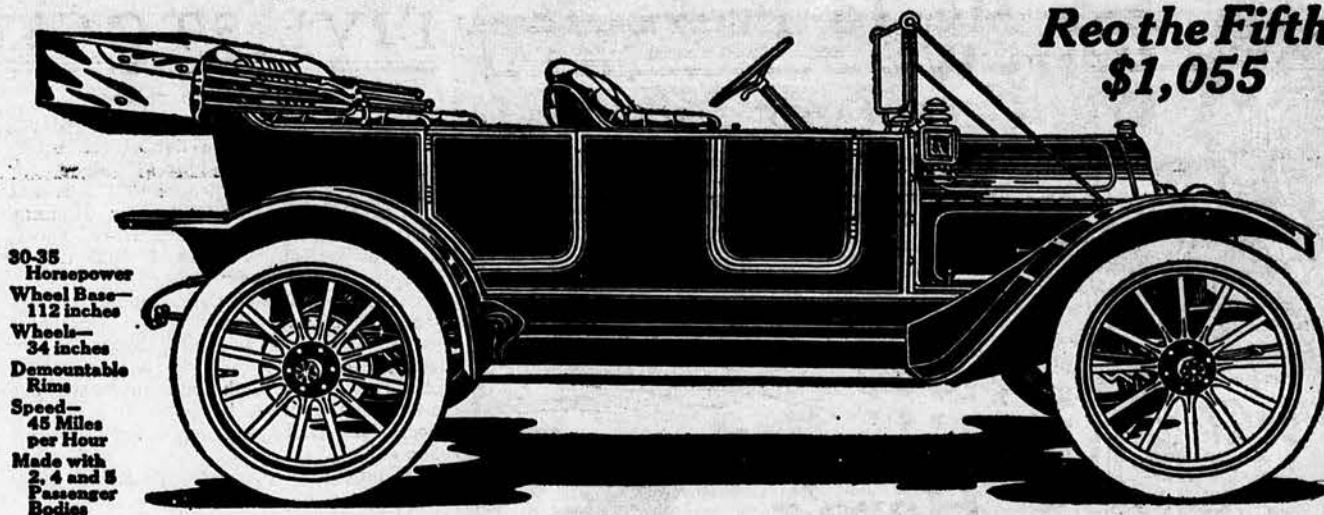
realize the proper interest on their investments." The stock raising of Texas and of some sections of Kansas is an operation wherein little or no feed is grown and the herd is expected to live through the summer and winter by grazing. Stock raising by this method is not so general now as 25 years ago. In the early day it may have paid to handle stock in this way. It is certain that such methods do not now pay. The stockman of today carrying 500 cows has a great deal more money invested than he had in the same number 35 years ago, and he cannot afford to lose cows and calves by starvation and exposure. More than this, land is higher priced, range more expensive and land worth more money. The stockman of today must become a stock farmer. He will become such when he grows feed for his stock. Cane, Kafir and milo are the feeds on which the Texas, Oklahoma and Kansas stockman must depend and the climatic conditions of these sections are favorable for the growing of all the feed he needs.

#### Sweet Clover Again.

Our subscriber, A. T., Emporia, Kan., asks for information regarding sweet clover. For seed, write advertisers using KANSAS FARMER columns, and call for Melilotus alba, the white variety recommended for this section. It is unfortunate that farmers desirous of seeding sweet clover cannot tell by the appearance of the seed what variety they are buying. The farmer, for the present, must depend upon the reliability of the seed house to deliver the variety called for. The adaptability of sweet clover to such an extreme range of conditions justifies its recommendation when alfalfa and red clover cannot be successfully produced. Its drouth-resistance makes it valuable for the semi-arid sections, where water for irrigation is not available. Sweet clover requires a thoroughly compacted seed bed, with just enough loose soil on top to enable the seed to be covered. The lack of a solid seed bed is the chief reason why sweet clover so often fails when seeded upon cultivated fields. The success of the crop on hills from which the surface soil has been washed, and on exposed clay areas—such as are found along wagon roads or railroad cuts where the ground is hard and compact—is thus explained. In addition to the above variety of sweet clover, there is the Melilotus officinalis, which is large yellow sweet clover, and Melilotus Indica, which is the small yellow sweet clover. The white sweet clover and the large yellow are biennials. The small yellow sweet clover is an annual and is not considered of much value. The white and the large yellow are regarded as the most valuable. The subscriber will obtain best results by seeding about 20 pounds of seed just as early in the spring as will permit the plants to escape frost.

#### Blade Harrow—New Implement.

Our subscriber, C. H. B., Banner City, Kan., asks what we know personally about the Blade harrow advertised in KANSAS FARMER. Early last spring the editor personally investigated this harrow. From the reading of the claims it seemed to us such a good general utility farm implement that we wanted to know all about its work and operation. This harrow was invented and is manufactured by the Wall boys, of Lawrence, Kan. These men are farmers. In 1911, wheat seeded on one of their farms in a seed bed prepared by this harrow, yielded 47 bushels per acre, while the best yield obtained by other methods in the same neighborhood was about 25 bushels. The neighbors of the Wall boys have been watching the results of this harrow and are using it, and speak highly of it. The Blade harrow is a combined harrow and packer. The one result we needed in Kansas in the preparation of all seed beds is that of packing. The spike tooth harrow is not effective in packing. Frequent harrowing with the spike tooth results in a dust mulch which many years in Kansas is disastrous on account of the surface soil blowing off. The Blade harrow does not make the surface so fine as the spike tooth, yet it has the desired effect of pulverizing and firming the seed bed. The harrow is made entirely of iron and while not excessively heavy, it goes into the plowed ground in a way that requires plenty of horse power. This spring we observed this harrow cultivating listed corn in an admirable manner. It destroys weeds, the like of which is not done by any other farm implement except the plow. It is our judgment this harrow deserves the closest investigation. An 11-foot harrow weighs 250 pounds. Two good horses will operate it if the driver walks; if the driver rides, three horses are required.



**Reo the Fifth**  
**\$1,055**

30-35  
Horsepower  
Wheel Base—  
112 inches  
Wheels—  
34 inches  
Demountable  
Rims  
Speed—  
45 Miles  
per Hour  
Made with  
2, 4 and 5  
Passenger  
Bodies

Top and windshield not included in price. We equip this car with mohair top, side curtains and slip cover, windshield, gas tank and speedometer—all for \$100 extra. Self-starter, if wanted, \$20 extra.

## The Center Control

By R. E. Olds, Designer

Nearly every builder of high grade cars is designing a center control.

In another year, cars with side levers which block a front door will be so out-of-date as to hardly be salable.

Bear this in mind in selecting a car. The side lever car is now a back number, as every maker knows.

### Left Side Drive

In some cars the side levers are merely moved to the center. That idea won't do. Men want to get rid of the reaching. They want the front of the car to be clear.

In Reo the Fifth there is only one lever, and that is placed close to the seat. All the gear shifting is done by moving this lever only three inches in each of four directions.

There are no brake levers, for both the brakes are operated by foot pedals.

This arrangement permits of the left side drive, as in electric cars. The driver sits close to the cars which he passes. He is on the up side of the road. In making any turn which crosses a road he is sitting where he can look back.

That is the greatest reason for the center control—to permit of the left side drive. Every car is coming to it as fast as models can be changed. The side levers and the right side drive are going out at once.

### This Year's Sensation

Reo the Fifth, with the center control, has been this year's sensation. Our spring output was five times oversold.

In all the 25 years I have spent in this industry, I have never seen such a popular car.

It is this amazing demand which has driven makers to the immediate adoption of center control.

**R. M. OWEN & CO., General Sales Agents for REO MOTOR CAR CO., Lansing, Mich.**

Canadian Factory, St. Catharines, Ont.

### But That Isn't All

There are other reasons beside center control for this car's immense popularity.

It is the final result of my 25 years spent in car building. In every detail it marks the best I know.

The cars are built under my supervision. And I insist on absolute perfection.

The steel is twice analyzed, before and after treating.

The gears are tested in a crushing machine of 50 tons' capacity.

Parts are ground over and over to get utter exactness. The parts in each car pass a thousand inspections.

Engines are put through five severe tests—48 hours in all.

Finished cars are tested over and over.

There are in this car 15 roller bearings. Ball bearings are nowhere used, save in the clutch and fan.

The bodies are finished in 17 coats. The seats are luxurious. The tonneau is roomy.

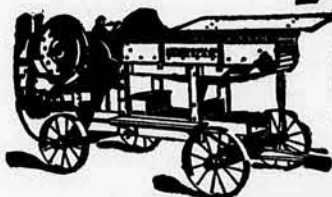
With a lifetime's reputation at stake on this car, men know I am mighty careful.

### Then the Price of \$1,055

And the underprice has been another sensation. We fixed the initial price at \$1,055, which is \$200 below any car in its class.

The price of this car must soon be advanced, because of advancing materials. It is much too low. But the price remains at \$1,055 while our present materials last.

Reo the Fifth is sold by dealers in a thousand towns. Write for our catalog, showing all styles of bodies, and we will tell you where to see it. Address



### Fill Your Silo Cheaply

Many things enter into the cost of filling your silo, but the most important one is your Silo Filler. A poor machine means a high cost, and an

**Appleton Quality Silo Filler** means the lowest cost. The positive feed table, the large throat, big feed rolls, the four spiral tool steel knives and the powerful blower mean great capacity. The solid Oak frame means strength. The single lever control, the handy side table, the flexible top distributor mean convenience. In fact, the whole machine means satisfaction, while our guarantee

that our Silo Filler will, under equal conditions, do more and better work with less power and will last longer, means absolute safety for you. More Silos will be built and more ensilage fed this year than ever before. We have already sold more Silo Fillers this year than we did in all of 1911. To insure prompt delivery you should arrange for a machine at once. Write to-day for free illustrated booklet.  
**APPLETON MANUFACTURING COMPANY, 419 Fargo Street, Batavia, Ill.**



### Hotel Kupper

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KANSAS CITY, MO.

Centrally Located in Shopping District. 1/2 block from Emery-Bird, Thayer Dry Goods Co.

European Plan, \$1.00 to \$2.50 Per Day. Take Elevated Street Car at Union Depot (marked 27th St.) Direct to Hotel Without Transferring.

**Kupper-Benson Hotel Company**

PROPRIETORS.



continue to hold first place as the highest grade standard overalls made. If you want overalls that are comfortable and will wear you out trying to wear them out, insist on FITZ. If your dealer does not carry them, write and we will see you are supplied.

**BURNHAM-MUNGER-ROOT DGE**  
Kansas City, Mo.

### THE AUTO-FEDAN HAY PRESS.

Ask for Auto-Fedan Catalogue

Only successful self-feed; two men can operate it; 20 per



cent less expense to operate. Record run, 3 tons in 1 hour.

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A vanished thirst—a cool body and a refreshed one; the sure way—the only way is via a glass or bottle of

# Coca-Cola

Ideally delicious—pure as purity—crisp and sparkling as frost.

**Free** Our new booklet, telling of Coca-Cola vindication at Chattanooga, for the asking.

Demand the Genuine  
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**THE COCA-COLA CO.**  
ATLANTA, GA.

Whenever  
you see an  
Arrow think  
of Coca-Cola.

## NO MORE PUNCTURES or BLOW-OUTS IN AUTOMOBILE TIRES

Some 500 Kansas Automobile owners know how they have entirely got away from all tire troubles. They have cut tire expense right in two. They ride as easily as any air-inflated tire, and lose no time in making repairs, and have none of that hard and exasperating work. The working value of every automobile is doubly increased by the

### Dahl Punctureless Tire

This is a tough, elastic and resilient cushion. Made of pure rubber, with other appropriate ingredients. Molded in forms to fit all sizes of casings. No inner tubes are used. No air, and no liquid. They fit inside of your present casings, filling them full, and double the wear of the casings.

These cushions are not affected by heat, cold or moisture—are guaranteed to retain their resiliency, and will not flatten from standing. They are practically everlasting, and can be transferred from casing to casing. Cushions in use for three years are now good as new.

A full set of these cushions costs less than the average automobilist spends in a year for extra casings, inner tubes, vulcanizing, bills and repair outfits, to say nothing of time lost. Their first cost is the only cost.

They make the tire bills the least part of the up-keep cost, instead of the greatest. Let us tell you more about them, and furnish proof of all claims. Resident agents wanted in every county.

**PUNCTURELESS TIRE COMPANY OF KANSAS.**

106 East Tenth Street, Topeka, Kansas.

(Kansas Agency Dahl Punctureless Tire Co., of Minneapolis, Minn.)



## Flies! Flies! Flies!

Get rid of them and help make your home and premises sanitary by the liberal use of **Tanglefoot Fly Paper**. There is fully one-third more compound per sheet on **Tanglefoot** than on any other fly paper; hence it lasts longest, catches the most flies and is the best and cheapest fly paper. If you ask for "fly paper" or "sticky fly paper" you may get a cheap imitation that will soon dry up or glaze over. Ask for **Tanglefoot**.

Sold by Grocers and Druggists.

**TREE TANGLEFOOT**, put up in 1, 3, 10 and 20 lb. cans.  
Will protect your trees from all climbing insects.

## LIVE STOCK

### Romney Marsh Sheep.

The classification of Romney Marsh sheep in the premium list of the International Live Stock Show at Chicago for the first time this year and the recent organization of the American Romney Breeders' Association, have served to attract attention to a breed which many people did not know existed.

This breed has its home in the marshy districts of southern England, though it is well known in New Zealand and Australia. It is a very new breed in America and, though those interested are numerous enough to form a breed association, there are very few animals for sale.

Members of the association are planning some big importations from England, and visitors at the International will have a chance to see the new breed.

Interest centers in this breed because of its extreme hardness and its adaptability to almost any conditions. The association has dropped the word "marsh" from the name because, while the breed has its home among the marshes, it will do well anywhere on any kind of land.

### Profit in Good Cows.

A report shows that for 1911 the dairy herd of the Wisconsin Experiment Station returned a net profit of \$50 per cow after a charge of \$65.72 for feed had been made against each cow. For 1910 the charge for feed was \$41.05, showing the variation in feed cost for the two years. Contrary to public opinion, this herd, like that of practically every college, has had no special advantages in so far as cheap feeding is concerned. The fact is that from the standpoint of economical production station herds have many disadvantages due to the limited amount of land available for the maintenance of the herd and necessitating the purchase of a large part of the concentrates, roughage and bedding. The farm dairyman who will set about with a full knowledge of what is required in the building of a good dairy herd can grade up a herd which under ordinary farm conditions of feeding and care will yield profits fully as great as those of the best college herds. There is, generally speaking, considerable misapprehension as to the manner in which the experiment stations are compelled to do their work. It is safe to say that the farmer, with the proper knowledge, can accomplish better results at less expense than can the experimental institutions.

### The Big-Type Hog.

Nothing has agitated the minds of swine breeders, especially Poland China breeders, in recent years more than this problem. While the question is an important one, it has been threshed over and over until the people have tired of reading it, therefore my article will be somewhat brief relative to the matter.

When most breeders for whom I sell over the seventeen states through which I work formerly bred the little, short, spikey-eared, fancy hog, with too light bone, no stretch nor growth, they were making a mistake, and I find in my work at the present time that they have largely corrected this error and today are breeding the more profitable kind.

On the other hand a long nose, big, coarse head and ear, unusual big, porous bone, broken down feet, wiry, harsh coat, extreme length and too high off the ground all indicate hard feeding animals.

When successful cattle men supply themselves with stockers or feeding cattle you will observe they do not select little, rounded, short-bodied, light-boned cattle, which do not indicate growth and thriftiness. Neither do they prefer the large, coarse-boned, leggy kind similar in form to same kind of hogs referred to above. The same principles apply to both cattle and hogs. The man that has produced the little, light, roly-poly hog with no stretch nor bone hasn't done anything, while on the other hand the breeder who breeds them so coarse that he has bred all the feeding quality and smoothness out of them has also made a mistake. It is the old, never to be forgotten adage, "Happy medium" kind, that give best results.

My personal liking and type is just as large a hog as can be produced with smoothness and good feeding quality.—H. O. CORRELL, Taylorville, Iowa.

The large experience of Colonel Correll as a live stock auctioneer and the special attention which he has given to Poland Chinas makes his judgment well worth having.

Even a hired man likes to be praised occasionally.

## SUPERIOR GRAIN DRILLS

Ask your local dealer to show you the **OSCILLATING DRAW BAR HEAD** on a Superior Single Disc Drill—the exclusive patented device that gives such great clearance—that allows the discs to sow around obstructions, not over them. Send for the Superior Catalogue. Insist on seeing the drill that puts the seed in the ground—that "Drills the grain to grow again." The "Superior Feed sows every seed."

Superior Drills can be had in any size from one-horse up in plain grain and combined grain and fertilizer. Single Disc, Double Disc, Hoe and Shoe.

Superior Drills are sold under a warranty that means absolute protection to the purchaser.

Superior Drills make good everywhere on earth—"The Name Tells a True Story."

**THE AMERICAN SEEDING MACHINE CO.**  
INCORPORATED  
SPRINGFIELD, OHIO, U.S.A.

## \$1. for a Horse

Save a horse and you won't have to buy one. Don't sell or destroy any horse on account of Spavin, Splint, Ringbone, Curb, Sprain or lameness. Spend one dollar for a bottle of

### Kendall's Spavin Cure

—the old reliable remedy. Thousands have made big money buying "broken down" horses, then curing them with Kendall's. Thousands have saved big money using this safe, reliable, economical cure. Mr. G. H. Corbin of Kingsmont, W. Va., writes: "Gentlemen—Have used a great deal of Kendall's Spavin Cure and have never found anything equal to it. I used it on a mare which I only paid fifty dollars for and since I cured her of the Spavin I have refused to take two hundred dollars for her." Can you call a cure "hopeless" in the face of these facts? Get Kendall's Spavin Cure at any druggist's. Price, \$1 per bottle. 6 bottles for \$5.00. "A Treatise on the Horse" free at druggists or from **DR. H. J. KENDALL CO.** Essexburg Falls, Vermont, U. S. A.

When writing advertisers, please mention **KANSAS FARMER**.

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**15c PER ROD**

buys this High Grade Hog Fencing, heavier than usual kinds offered. 26 inches high, 1 bar, weighs about 8 lbs. to a rod. All heights at proportionate prices. 48 inch Fencing, 27c strongest built, per rod.

**\$1.25 PER 100 GALVANIZED WIRE**

This price is for No. 8 gauge. Other sizes in proportion. This is our Galvanized Wire Short, put up 100 lbs. to a bundle, suitable for fencing and general purposes.

**BARB WIRE**

Best and strongest; standard weight. Made of No. 12 gauge, galvanized, put up 100 lbs. to a bundle, per 100 lbs. **\$1.95**

**FENCE CATALOGUE FREE** Quotes low prices on Fencing, Wire Gates, Lawn Fences, Fence Posts, etc. Chicago House Wrecking Co., Dept. L. 2, Chicago

## BLADE HARROW



**No Teeth. No Knives.**

Slips the trash; moves the entire surface one to three inches deep, killing all the weeds. A lever and sub-surface packer. Seed-beds, listed corn and potatoes require this machine for best results. Let us explain how to save time and get better yields. Write for circular and special introductory offer. **THE BLADE HARROW CO.,** Lawrence, Kan.

## Only \$2 Down One Year to Pay!

**\$24** Buys the New Butter-Fly Jr. No. 1. Light running, easy cleaning, close skimming, durable. Guaranteed a lifetime. Sinks 95 qts. per hour. Made also in four larger sizes up to 5-1/2 shown here.

**30 Days' Free Trial** Earns its own cost and more by what it saves in cream. Postal buyers Free catalogue folder and "direct-from-factory" offer, lay from the manufacturer and save half. **ALBAUGH-DOVER CO.** 2153 Marshall Blvd. CHICAGO No. 674



## DAIRY

The economy of the good cow cannot be disputed, neither can it be disputed that the poor cow, if fed and handled for dairy, is extravagant in the extreme.

Guernsey breeders should congratulate themselves on the election of Charles Hill, Rosendale, Wis., as president of the American Guernsey Cattle Club. He is a prominent breeder and a capable and practical dairyman. The affairs of the Guernsey cow will be properly handled as long as such men as Hill are looking after her interests.

Our personal preference is for a cow which will take a rest—insofar as milk is concerned—of at least a month between lactation periods. Such rest is good for the cow and the calf. When one is milking and breeding the highest type of dairy stock, however, the period of rest becomes less and less to the point where no rest at all is taken. Such a disposition on the part of the cow is not to be deplored however. As a rule, with good average breeding stock, it is not difficult to dry the cow off if proper care is exercised.

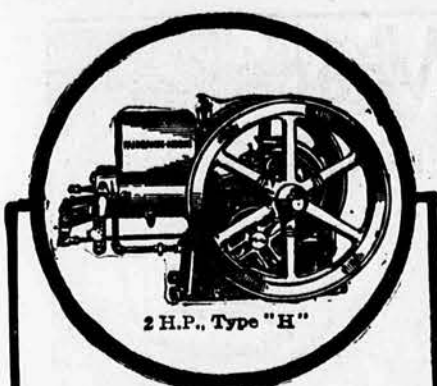
A dairy paper printed in California devotes three pages of its space to the possibilities of the cactus as a feed in the production of milk and beef. It seems that it yet remains for Luther Burbank, the wizard, to breed the thorn off this cactus—a thing, however, which he promises to do. It is claimed that the cactus, cultivated, will yield 75 to 100 tons of green forage per acre per year. Mr. Burbank figures that he will do a tremendous service to the tropical regions, the deserts and the semi-arid districts if he can remove the thorns from the spineless cactus and make it available as a forage crop.

It would be a good idea for dairymen and farmers, in general, to find out from prospective candidates for state and Congress, how they stand on questions of importance. For the dairyman, in particular, it will be the part of wisdom that he know where these men stand on dairy matters. Too often the farmer complains that laws are not made for him, but for men in other businesses. The farmer has votes enough to get the kind of laws he wants, if he will exercise his privilege. If he does not exercise that privilege, it is his fault, and that of no one else.

Canadian dairymen, in spite of the fact that Canada is breeding dairy stock in large numbers, are making a keen demand on breeders of the United States for dairy cows. They are not only buying large numbers of pure-bred animals, but are likewise buying large numbers of cows showing dairy conformation and graded up by the use of pure-bred sires. They are paying prices ranging from \$75 to \$100 a head for grades and, in addition, paying the duty at the line. This shows the strong tendency to dairying among Canadian farmers, and is indicative of the demand on this country which, for its own use even, is not producing dairy animals in the number required.

It is not unusual to hear a dairyman remark that he will not build a silo until he is able to build a good barn; also, that he will not engage in dairying until he can build a barn. Both the silo and the barn are essential to the success of dairying. However, farmers who express themselves as feeling that they cannot engage in dairying until they have a barn or a silo, are putting the effect before the cause, and the cause in a practical application, at least, should precede the effect. In very ordinary farm operations, a dairy herd can be successfully handled with moderate stabling. With such stabling the dairy herd will justify the purchase of a silo. The increased profit resulting from the dairy herd fed out of the silo will build the barn. The silo saves a lot of wasted feed and wasted effort and energy on the part of both man and cow, and good results—even to the building of a good barn and a better house—will follow the dairy herd, in combination with the silo.

A High grade, guaranteed durable live rich red barn paint is sold by the Sunflower Paint & Varnish Co. of Ft. Scott, Kansas, direct to the consumer at only 85c per gallon in 5 gal. cans, freight prepaid. This is a paint proposition worth considering by every farmer. This is a reliable company and now is paint season. Try this paint.



A Fairbanks-Morse Engine will give you the kind of service you counted on when you planned to buy an engine. It fulfills every purpose for which you so much need reliable power.

## Fairbanks-Morse Engines

do more. They give you years and years of low-cost service. They are absolutely guaranteed as to material, workmanship and power.

The Fairbanks-Morse is a four cycle, long stroke, perfectly balanced, smooth running engine that develops full power at slow speed. There's no racking or pounding; no overstrain to carry the load. It stands up where other engines fall down.

Engines built for operation on gasoline, kerosene, gas or low grade oils. Vertical and horizontal types.

Write for Catalog No. NA 898 and state size you need

**Fairbanks, Morse & Co.**

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Even without the Beatrice Centrifugal Disc Washing Device and the piece Steel Pail, both of which we give free with each machine, the BEATRICE CREAM SEPARATOR is the greatest money-saving and service-giving skimmer you can buy. Get our money-saving prices. Free booklets worth reading, if you ask.

THE CONTINENTAL CREAMERY CO.  
Dept. C. Topeka, Kan.

**BEATRICE**  
Cream Separator

## DE LAVAL CREAM SEPARATORS

### THE BEST SUMMER FARM INVESTMENT

When dairy production is largest waste is greatest and quality poorest without a separator.

The De Laval Separator Co.  
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Lump Jaw Cured in three weeks with one application of  
**Adam's Rapid Lump Jaw Cure**  
Easy Method. No Scars. Positively Guaranteed.  
Send for valuable Free booklet on animal diseases.  
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## POWER FOR PLOWING

Deep plowing forms an ideal seed bed and produces the best crops. But plowing that is deep enough for best crop results, would soon kill your horses. With a Hart-Parr Gas Tractor you can turn 25 to 30 acres a day, full depth of the plows, assuring a maximum yield for the next crop. And by using low-grade kerosene for fuel, the cost will be only 40 to 50 cents an acre.

Early plowing kills the weeds before the seeds mature and conserves the moisture. On a large farm this is impossible with horses. But with a Gas Tractor doing the work of 22 to 25 horses, you can get your plowing done several weeks earlier than usual.

The moment you shut down the engine, the expense stops. Wages and feed bills saved will pay for a Tractor in a few seasons. Write for our catalog today.

**"Cheapest to Buy—Cheapest to Operate"**

**Hart-Parr Company**

212 Lawler St.  
Charles City,  
Iowa



## The Deep-Tilling Results From a Thousand Farms!

The amazing results of Spalding Deep Tilling is all crystallized in our book called "The Bulletin." Send a postal for it. We'll send you also a catalog describing the Spalding Deep-Tilling Machine. No other machine of any kind ever did what the Spalding does. It tills from 12 to 16 inches deep! It pulverizes and mixes the soil to perfection! And it does all these things in the one operation of passing once over the ground. It leaves a deep, fertile seedbed, like a spaded garden. This seedbed stores the winter rains and holds them throughout the worst droughts known. Hundreds of Spalding owners have raised bumper crops in their deep-tilled fields while shallow-plowed crops grown by neighbors have

burned. We have hundreds of letters from users to show you—quoting figures and facts. We'll send letters from people in your state who own the same kind of farms as yours. Learn what they say. Cut out this ad as a memo to write us today.

Geiger, Ala., January 9, 1911.

Dear Sirs: Replying to your letter of the 4th inst., beg to state that most of the land plowed with the Deep-Tilling Machine for the year 1910 was planted in corn. The yield on this was very fine, more than double what it had been heretofore. We had one small patch of cotton on this land, and it did extremely well, making an average of a bale to the acre for seven acres, without fertilizer.

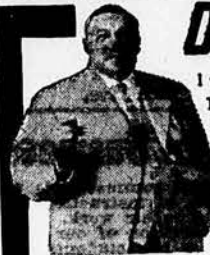
Yours very truly,  
PINSON & GEIGER,  
J. H. PINSON, Mgr.  
Spalding Dept. H-8  
Gale Mfg. Co.  
Aubon, Mich.

## Spalding Deep Tilling Machine

Left half of drawing by courtesy of North Dakota Agricultural College.

## Double Your Crops

I GUARANTEE THAT THIS MULCHER, PACKER AND MULCHER. Three Machines in One—WILL DO IT, LET ME PROVE IT.



M. ANDERSON,  
President and Manager

Do not compare our machine with any machine that you have ever seen or used. The principle, work and results produced are entirely different. It pulverizes and packs the soil and leaves a loose granular mulch on top to retain the moisture. It will make a more perfect seed bed for fall wheat, alfalfa or any other crops than any machine ever invented.

Send for Free Illustrated Circular, whether you are ready to buy or not. It will pay you well. It quotes price direct to you. It explains the principle and construction, what the machine will do and is adapted for, what it has done for others and much valuable information on how to prepare soil for better results, to get perfect stands of alfalfa with six pounds of seed per acre, to prepare your ground for Fall Wheat and other grains and get a perfect and healthy stand with one-third less seed. SEND FOR IT TODAY.

WESTERN LAND ROLLER COMPANY, HASTINGS, NEBRASKA. Box 116

## \$29.50 Buys This Elegant Top Buggy.

Retail Price \$60.00. Buggies, Surreys, Spring Wagons, Farm Wagons. We have cut out our Jobbers, our Wholesalers and our Retailers and offer YOU their profit. Write today for our Free Catalog and Delivered Prices. Mutual Carriage & Harness Mfg. Co. Station 16N East St. Louis, Ill.



WARRANTED FOR Five Years.



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O. H. LONGWELL, Pres.,

Highland Park College,

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Courses reach down to the common schools. For catalog address Pres. H. J. Waters, Box B, Manhattan, Kan. (Correspondence Courses Offered.)



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If you attain success in life, much will depend upon your preparedness or efficiency. But much, also, upon where you are and the sort of opportunities you are in touch with. In a small town, where the variety of business is limited, the possibilities of advancement are few and you may never reach the degree of success of which you are capable. In Topeka, one corporation alone employs 1,200 office people, and there are hundreds of other thriving and expanding industries continually making a greater demand upon us for students than we can supply. Just one reason why you should attend Dougherty's Business College of Topeka, Kan. For others, write, GEO. E. DOUGHERTY, Pres., 114-118 West Eighth Ave.

300 A Year—Students From Nine State and Canada.

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## COMMERCIAL Spalding's COLLEGE

10th & Oak Sts., KANSAS CITY, MO. 47th Year. \$100,000 College Building has 15 Rooms, including Auditorium and Free Gymnasium. SHORTHAND, TYPEWRITING, BOOK-KEEPING, TELEGRAPHY AND ENGLISH. DAY & NIGHT SCHOOLS. Write to-day for FREE Catalogue "E"

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We are making a special summer rate of \$25.00 for our full course of instructions in car driving, ignition and repair work. Our school is under the supervision of our regular shopmen and only a few students are handled individually. If you are coming to any Automobile school see us first.

The Standard Engineering Company  
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The School That Gets Results in an ideal city, with clean, moral surroundings. Pleasant rooms. Strong Y. M. C. A. Living expenses the lowest. May enroll for a trial month. No solicitors. Free catalog. Address, C. D. LONG, Emporia, Kan., Drawer K.

## WICHITA BUSINESS COLLEGE

It is easy to make claims. All the schools advertising on this page admit they are the best. Why not visit those that impress you most favorably and spend a day in the school rooms of each? Then you can select the best. Write for free catalog to President Price.

## HOME CIRCLE

## Preparing Vegetables for Market.

There is a certain gardener—an old man—who learned something, though it took him many years to do so. All gardeners might profit by this old man's experience if they would follow his advice. He always gardened for a living—and made enough to live on at it, though he carried on his business in a ship-shod manner. His produce was sent to market as it came from the ground and if it was sound and good when it got there, all well and good; if not, he took the best price he could get and pocketed the money without a word. An idea came to him one day and he washed every vegetable carefully. The radishes were perfectly clean when they left his hands—the turnips and beets and onions fairly gleamed in the sun. He sent them in baskets and stamped his name on the baskets. Then he sat down and waited; those vegetables weren't one bit better than the ones he shipped to town the day before, but he got 35 per cent more for them just because they were clean and enticing.

## Wife is Gauge of Success.

George Harcourt, Deputy Minister of Agriculture under the Canadian government, has strong convictions as to the proper education of women. He believes in the founding of colleges where agriculture may be taught to the men but, in his eyes, such institutions are limited unless domestic science is a part of the course.

Mr. Harcourt was in Kansas City recently and, discussing this subject, said: "More essential than instruction in farming itself is the teaching of domestic economy as it may be applied by the farmer's wife. For domestic economy is the underlying principle of successful farming. The farmer may work for years but he can progress no further than his wife progresses. If the woman is without the knowledge to become efficient in her department, then farm life is one of discontent and dissatisfaction."

Mr. Harcourt also paid this tribute to our farmers and our machinery and methods:

"We Canadians like the farmers who come to our country from the United States," he said. "By their extreme hustling in the early planting of crops they have been of great service to Alberta. There we raise most of our crops by dry farming and this is understood thoroughly by Americans."

"Not only do we admire the way the people of the United States do things, but so far we have found machinery which is made in the United States to be best adapted to our needs."

When things go wrong and you get angry, just change the subject and think of something else more pleasant. The sky will brighten and in just a little while things will straighten out and everything will run smooth. Nine times in ten the fault was your own, and getting mad deprives you of the use of some of your faculties, besides it's too hot to get "hot."



4142. Ladies' Corset Cover—This corset cover is designed for flouncing. It has the V neck front and back and made with a seam at center-back. Corset cover flouncing is not expensive, and it can be purchased at all prices from 15 cents to \$1 a yard. The pattern, 4142, is cut in sizes 32 to 44 inches bust measure. Medium size requires 2 yards of 16-inch flouncing. Price of pattern, 10 cents.

Important—In ordering patterns, be sure to give date of issue in which they appear, number and size wanted.



## Can you always eat all that you "can"?

After the work of "canning" do you find much of your fruit is spoiled? Then, why persist in using old-style, narrow-necked, tin-topped, screw-capped jars? That was the old way of "canning." The new way, the easier, safer, better way is called "jarring," preserving in the all-glass

## E-Z SEAL JAR

Try putting up beets, beans, corn and tomatoes for winter use. It is fun when you use the E-Z Seal Jar. It has the sanitary all-glass cap—no metal at all. No twisting and turning—the cap clamps with a spring seal. It closes and opens with a touch of the finger. And—your fruit keeps!

## Free Jar—Free Book

Cut out this coupon, take it to your grocer—he will give you one E-Z Seal Jar—FREE. Be sure and write us for FREE Book of Recipes—it tells many things you should know. Get the Jar from the grocer. Get the Book from us.



HAZEL-ATLAS GLASS COMPANY Wheeling, W. Va.

## 1-Qt. E-Z Seal Jar AJ FREE for the Coupon

Please note—in order to secure free jar this coupon must be presented to your dealer before Sept. 1st, 1912, with blank spaces properly filled out.

HAZEL-ATLAS GLASS CO., Wheeling, W. Va.  
This is to certify, that I have this day received one "Atlas" E-Z Seal Jar Free of all cost and without any obligation on my part. This is the first coupon presented by any member of my family.

Name \_\_\_\_\_

Address \_\_\_\_\_

TO THE DEALER—Present this to jobber from whom you received E-Z Seal Jars. All coupons must be signed by you and returned before Nov. 1st, 1912. DEALER'S CERTIFICATE. This is to certify, that I gave away one "Atlas" E-Z Seal Jar to the person whose signature appears above.

Dealer's Name \_\_\_\_\_

Address \_\_\_\_\_

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Take an outing in the Pecos National Forest, a great mountain park protected by the government; camp out, or board at a ranch house; ride, drive or tramp over mountain trails; fish, hunt, live in the open and grow fat.

Many nearby points of interest—prehistoric ruins, relics of cliff dwellers, Spanish conquistadors and Indians. Rugged scenery—forests of pine, fir and spruce; lakes, waterfalls, tumbling mountain streams full of trout.

Sunshine nearly every day in the year; summer temperature rarely above 85 degrees Fahr.

Ask for free illustrated folders.

Round trip from here, \$38.20.



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Topeka, Kan.

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**BIG PAY** Easy to Learn  
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You can easily learn to play any instrument. We give a fifty lesson certificate FREE to customers. Organize a band or orchestra in your town. Lots of pleasure and you get big pay. We are one of the oldest and largest instrument houses in America. We have everything and we guarantee our goods to be right in price and quality. Send your name and address today and we will give you full particulars and free catalog explaining everything. Don't buy anywhere at any price until you hear from us. Write a letter today asking "Please send me Free catalog of musical instruments."

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for gas engine, automobile, motorcycle, or motor boat—French telephone cells for your telephone instrument.

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If they are not efficient, dependable, satisfactory in every respect you get your money back! See instructions on each battery and learn how we save you money. If your dealer can't supply you, write us.

French Battery & Carbon Co.,  
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Full line of Plumbing Goods, Water Works, Sinks, Tubs, Heating and Lighting Plants, Pumps, Windmills, Pipe & Fittings. Send for big FREE catalogue. MISSOURI WATER & STEAM SUPPLY. 1930 S. 6th COMPANY ST. JOSEPH, MO.

## DAISY FLY KILLER



placed anywhere, attracts and kills all flies. Clean, ornamental, convenient, cheap. Lasts all season. Can't spill or tip over, will not injure anything. Guaranteed effective. Sold by dealers, or sent prepaid for \$1. HAROLD SOMERS, 150 DeKalb Ave., Brooklyn, N. Y.

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## LICE KILLER FREE

We tell you free how to kill lice and mites off your fowls and give you formula for making lice killer. Write for full instructions today. Investigate our sanitary poultry roost. ONLY SANITARY POULTRY ROOST CO., Belleville, Kansas.

## POULTRY

Of new breeds of poultry there is no end, but if the old breed you have has served you well, stick to it.

It is always easy to dispose of first class stock, whether eggs or birds. The tussle comes when one gets down to poor stock.

It is surprising how much plumper a young fry will be if cooped up and fattened for 10 days before killing than if taken from the flock and killed.

The American Poultry Association will hold its annual meeting at Nashville, Tenn., on August 12. The South has been clamoring for the meeting for a number of years and has succeeded at last in landing it.

The deleterious effect of heat upon eggs was forcibly exemplified not long ago. A poultryman had a contract with a large hotel to furnish it with fresh eggs, none to be over three days old. The arrangement went along satisfactorily to the hotel man for quite awhile, but at last he made complaint that one shipment was decidedly bad, and asked the poultryman to explain how it came about. The poultryman was puzzled, for he was certain that the eggs were fresh when shipped, but decided to try and trace that case of bad eggs. He found out that on the day that particular case was shipped that his driver arrived at the depot a few moments after the morning train had left, and the station agent had let the case of eggs stand in the hot sun during most of the day till the night train took them to their destination. It was evident that the intense heat had commenced incubation in the eggs and every hour added to their decay and deterioration. Accidents of this kind are liable to occur at any time, but there are other ways of starting eggs to incubate besides the rays of the sun, and these are avoidable. Farmers, as a rule, only gather their eggs once a day, but a broody hen may have lain on a nestful of eggs during most of the day, thus causing the eggs to commence the incubate, and when incubation ceases again, decay commences and there's no saving a rotting egg. This evil can be remedied by keeping all the broody hens by themselves, away from the nests of the hens that are laying, and also by gathering the eggs several times a day. Another way to avoid this evil of heat injuring the eggs is to have nothing but infertile eggs at this time of year. Take the roosters away from the hens, and you will not only have better eggs but more of them than if the sexes are allowed to roam together.

### Summer Rations for Laying Hens.

The New York State College of Agriculture at Cornell University, Ithaca, N. Y., recommends the following whole grain mixture, fed morning and afternoon in a straw litter, for laying hens:

By Weight—60 pounds wheat, 60 pounds corn, 30 pounds oats.

By Measure—32 quarts wheat, 36 quarts corn, 30 quarts oats.

The following mash is fed dry in a hopper kept open during the AFTER-NOON only:

By Weight—60 pounds corn meal, 60 pounds wheat middlings, 30 pounds wheat bran, 10 pounds alfalfa meal, 10 pounds oil meal, 50 pounds beef scrap, 1 pound salt.

By Measure—57 quarts corn meal, 71 quarts wheat middlings, 57 quarts wheat bran, 20 quarts alfalfa meal, 8 quarts oil meal, 43 quarts beef scrap, 1 quart salt.

The fowls should eat about one-half as much mash by weight as whole grain. Regulate the proportion of grain and ground feed by giving a light feeding of grain in the morning and about all they will consume at the afternoon feeding (in time to find grain before dark.) In the case of pullets or fowls in heavy laying, restrict both night and morning feeding to induce heavy eating of dry mash, especially in the case of hens. This ration should be supplemented with beets, cabbage, sprouted oats, green clover or other succulent food, unless running on grass covered range. Grit, cracked oyster shell and charcoal should be accessible at all times. All feed and litter used should be strictly sweet, clean and free from mustiness, mold or decay. Serious losses frequently occur from disease, due to the fowls taking into their bodies, through their intestinal tract or lungs, the spores of the fungus causing mold.



## The New Perfection Oil Cook-stove Suits Everybody

It suits the most exacting French chef. It suits the housewife. It is found in luxurious villas—in camps—in farms—in humble city homes. Everybody uses it; everybody likes it. It is the all-round stove for all the year round. It bakes, broils, roasts and toasts as well as a coal range. It is equipped with a special heating plate, and we sell the New Perfection oven, broiler, toaster, and pancake griddle—each specially designed for use with the

### New Perfection Oil Cook-stove

All dealers sell the stove. It is handsomely finished in nickel, with cabinet top, drop shelves, towel racks, etc. Long chimneys, enameled turquoise-blue. Made with 1, 2 or 3 burners.

Free Cook-Book with every stove.

Cook-Book also given to anyone sending 5 cents to cover mailing cost.



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**GOOD 200-ACRE STOCK FARM**, in Wilson Co., Kan., near town. \$17.50 per a. **JAKE MALONE**, Route 1, Latolite, Kan.

**BARGAINS** in Ness County land, large and small tracts. Write now for lists and literature. **C. H. BRADFORD**, Ness City, Kan.

**SOUTH TEXAS FARMS** and ranches, 50 to 1,000 acres. Prices, \$10 to \$55 an acre. **J. S. HOOPER**, Navasota, Texas.

**IF YOU WANT** to buy, sell or trade farm, city property or merchandise, list with us. **TOMSON & COOVER**, Topeka, Kan.

**FARMS AND RANCHES** for sale or trade. Corn, wheat, alfalfa and pasture land at from \$10 to \$40 per acre. You should buy now. Let us tell you why. **Sperry & Olson**, Hill City, Kansas.

**12,000 ACRES** Logan, Gove and Thomas County lands; 180 to 2,000-acre tracts; \$7 to \$20 per acre. **Attwood Real Estate Co.**, Oakley, Kan.

**KAY COUNTY—THE GARDEN SPOT OF OKLAHOMA.**

Fine stock farm, worth \$10,000, for only \$7,500. Easy terms. Fine 80, \$5,000. List free.

**E. E. WOOD**, Newkirk, Okla.

**80 ACRES** of fine land, 4 miles south of Chanute, Kan. Good soil, fine imp., gas well on farm. Leased for \$160 and third of crop. Price, \$60 per acre.

**BRINEGAR REALTY CO.**, Chanute, Kan.

**395 ACRES**, adjoining county seat of Jefferson County, Kansas; good soil; fair improvements; good barns and outbuildings; 290 acres cultivation, balance blue grass; young orchard. Price, \$65; terms.

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**Buy This One and Get a Bargain.**—160 acres, 12 mi. from Genoa, in good farming country. Has R. F. D. mail service. Small improvements and balance long time at 6 per cent.

**W. M. HOFFMAN**, Genoa, Colo.

**ONEIDA COUNTY WISCONSIN.**

**LAND OF LOVELY LAKES.** 4,600 acres farm lands, 950 acres on eight lakes, tract well bunched, between two railroads, eight miles apart. Buy 40 acres, easy terms. **W. W. Thayer**, McNaughton, Wis.

**FARM BARGAINS.** 240 acres, 4 miles from town; 62 miles from K. C. A snap at \$35. Good improvements; must be sold soon. If you investigate this, you'll buy it. **J. D. BENEAU**, LeCygne, Kan.

**FINE ALL SMOOTH** half section, improved, half cult. Price for quick turn, \$3,500; only \$750 down, balance \$250 year for three years, then crop contract for balance. Send for detailed description. Have some good trades listed.

**BUXTON LAND CO.**, Utica, Kan.

**CATHOLIC FARMERS.**

I have some good farms close to Scipio, Kan., for sale at the Owner's Price. Cash sales a specialty. Address **W. L. MORRIS**, Owner's Agency, Garnett, Kan.

**HARDWARE AND IMPLEMENT** stock for exchange—Stock consists of shelf goods, harness and implements. Invoice about \$2,000. Lot and a half with 38x80 building. Price, \$2,000. Total stock and building, \$4,000. Will exchange for clear land. **W. E. KNIGHT**, Tracer, Kan.

**THIS IS IT**—90 acres fine, level land, 29 acres planted, 1/4 of a block sold and occupied by elevator, general store, lbr. yard, etc. This is a good trading point and bound to make a nice little town. A bargain at \$32.50 per acre. Write for plat, or come and investigate. **Marrs & Day**, Meade, Kan.

**IDAHO LAND** On the famous south side of Twin Falls tract. Right prices and easy terms. The land where crop failures are unknown. Reliable water right and plenty of water. The coming fruit country. Mild climate. No severe storms. We need you and you need us. Come. **F. C. GRAVES**, Filer, Idaho.

**BEST TOWN TO LIVE IN.** If you would like to live in the most beautiful city in the West, with unsurpassed educational, 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 price, address the **SECRETARY of the COMMERCIAL CLUB**, Topeka, Kansas.

**GOVERNMENT LAND.** We can locate you on a good homestead in the San Pedro Valley, Arizona, where you can get artesian water for irrigation, with good markets, and in a well-developed country, with plenty of good schools and railroads. Send 6 cents in stamps for large illustrated book of our valley. **MORLEY-KIMBALL REALTY CO.**, Benson, Arizona.

**CORN AND ALFALFA FARM FOR SALE** by owner—400 acres of choice land in milk belt surrounding Mulvane, Kan., where the condensing plant of the Helvetia Milk Condensing Company is paying out \$20,000 a month for milk. Either as a grain or dairy proposition this farm is hard to beat. If you are looking for a farm, do not delay writing. **B. E. Beery**, Owner, Lawrence, Kan.

**240 ACRES BOTTOM ALFALFA LAND.** Never overflows, 324 acres pasture and mow land, good bearing orchard, plenty of timber for fuel and posts, running water, good 7-room house, has been built about 5 years, barn 22x45x16, granary for 5,000 bushels, corn crib and stock scales, good tenant house, and barn, all buildings in first-class condition, 310 acres in cultivation, 85 acres now in alfalfa. Located 3 miles from Madison. Price, \$67 per acre. **P. D. STOUTON**, Madison, Kan.

**CHEAP HOMES** in the Beautiful Ozarks. Finest springs, healthiest climate, and the cheapest good lands on earth. No drouths, no hot winds, nor cyclones. Raise anything that grows out of the earth, except tropical plants. Look at these bargains: 160 acres, 8 miles from railroad, 3-room house, barn, two fine springs, 70 acres cultivation, for \$1,500. 40 acres, some improvements, \$300. 80 acres, 30 cultivation, 3-room house, fine spring, \$800. Write for list of bargains. **Globe Realty Co.**, Ava, Mo.

**WE MATCH TRADES FOR OWNERS.** List your property with us and let us match it. **OWNERS' EXCHANGE**, Salina, Kan.

**FARM BARGAINS.** Sales and trades. Restaurant and bakery for sale cheap; rents for \$200. **W. T. DEWEES**, Neodesha, Kan.

**160 ACRES ALFALFA.**—House, well, all smooth, \$900. 320 acres, \$5 per acre, smooth, level, fine soil. 100 other bargains. **Harry Wheeler**, Sharon Springs, Kan.

**STEVENS CO. KAN., WANTS YOU.**—New railroad building, fine water, fine climate, improved farm land, \$10 to \$20 per acre. **J. A. THOMPSON**, Niagara, Kan.

**FOR SALE.**—If you want to buy a good farm, come to Salina County, Missouri—one of the best counties in the state. **DAN EHLERS**, Slater, Mo.

**A SPLENDID** Missouri 80-acre farm, an ideal home, well fenced, good improvements, fruit, etc. Owner wants city property. Other good trades. List with us. "We trade anything tradeable." **OWNERS' SALE AND EXCHANGE**, Independence, Kan.

**FARM BARGAIN.** 235 acres, 4 miles from Garnett, Kan., 85 miles to K. C. A snap at \$36 per acre. Must go in next 30 days. **SEWELL LAND CO.**, Garnett, Kan.

**BANK IN LIQUIDATION** owns fourteen different dairy farms. I am authorized to sell for cash or good paper. Prices right. Write for lists. **F. A. PARTLOW**, Clear Lake, Wis.

**KANSAS LANDS.** For Sale—80 acres of Salina County bottom, 2 1/2 mi. of Salina. Fair buildings; some alfalfa. Price, \$6,500; mtg., \$500, due in 4 years. This is worth \$1,500. Address **CAVE REALTY CO.**, Salina, Kansas.

**A SURE SNAP.**—160-acre relinquishment, well located; 100 acres good fertile plow land, 60 acres the choicest alfalfa land, none better; 30 acres broke; small house, some fence. Price, \$850, cash. Have other relinquishments cheaper. **Kingery Realty Co.**, Kingery, Kansas.

**EXTRA GOOD STOCK FARM.** Prairie land, black and red soil; two everlasting springs; good house and barn. \$8,800 for the 160 acres. Will carry part at 5 per cent. Come and see it. **M. P. FISHBURN**, Carthage, Mo.

**Get an Oklahoma Farm on Payments.** Oklahoma farm lands to actual settlers, with or without cash payment down, balance in yearly payments. Over 100 farms to select from. Send 10 cents for descriptive list and terms. **Joseph F. Loche**, Wynnewood, Okla.

**325 acres** fine black limestone land, \$29 per acre. 720 acres of grass land, all in a body, 1 mile from station. Write **ELLIS & MORGAN**, Coffeyville, Kan.

**100 ACRES**, 3 miles Harris, Kansas; 110 acres cultivation, balance pasture; buildings poor. Price, \$12,000; mortgage, \$3,000. Wants merchandise. **80 acres** Colorado, 3 miles town. All can be irrigated. No improvements. Price, \$6,000. Wants hardware. **SPOHN BROS.**, Garnett, Kansas.

**BARGAINS IN COMANCHE CO. LANDS.** 240 acres, 6 miles of good town, most all alfalfa land and all good wheat land, shallow to water, 160 acres in cultivation, close to school, good neighborhood. Price, \$35 per acre, half cash, balance easy terms. **TAYLOR & BRATCHEE**, The Comanche County Land Men, Coldwater, Kansas.

**FINE HOMES AT BARGAIN.** 93 a., 3 miles Ottawa; good house, barn, orchard; 40 a. creek bottom, no overflow; fine alfalfa land; 7 a. timber; close to school. Price, \$6,000, \$3,000 cash, remainder 5 years, 6 per cent. 159 a., 5 miles Ottawa; good house, barn, orchard; 80 a. good alfalfa creek bottom. Price, \$67.50 acre. Loan \$6,000. **MANSFIELD**, Ottawa, Kan.

### South Eastern Kansas

Is the place to go for good homes, low prices and easy terms. Send for full information. Address, **THE ALLEN COUNTY INVESTMENT COMPANY**, Iola, - - - - - Kansas.

**A GOOD FARM BARGAIN.** No. 1. 240 acres, 60 acres creek bottom land, balance slope and rolling upland, fenced and cross fenced with hedge and wire, about 10 acres fenced hog-tight, 25 acres set to alfalfa, 65 acres in cultivation, splendid well of water and cistern at the house, 140 acres pasture, water supply furnished by a spring, piped to a tank, which furnishes an abundance of good spring water; 8-room house with good porches, large frame barn, buildings are surrounded by a splendid grove of ornamental and fruit trees, and a great variety and abundance of all kinds of fruits. Price, \$55 per acre. No trades. Write for lists. **V. E. NIQUETTE**, Salina, Kan.

**FOR SALE** 8-room, modern residence, in good town on main line Santa Fe. Rent, \$200 per month. 1 section, improved, 2 miles of Cimarron, Kan. \$2,000. Good terms. Also, one hundred other bargains. **THOMAS DARCEY**, Real Estate Agent, Offerle, Kan.

**LOWER YAKIMA VALLEY, WASH.** 20 acres at Richland, Benton County, Wash., on the Columbia river, highly improved, irrigated orchard tract set to best varieties of commercial apples, with peach and pear fillers. Trees 4 years old and will come into bearing next year. Best of soil, abundance of water and mild climate, 4 acres of strawberries paying \$400 per acre; alfalfa yielding 4 cuttings, or 8 to 10 tons per year. Comfortable home and good barns with a well equipped dairy of 10 grade Jersey cows. For particulars, address owner, **C. D. Mitchell**, Richland, Wash.

## A COWPEA THRESHER

Threshes Cowpeas and Soy beans from the mown vines, breaking less than 2 per cent. Also threshes Wheat and Oats. "The machine I have been looking for 20 years."—Prof. W. F. Massey. "A machine that will meet every demand."—Prof. H. A. Morgan, Tenn. Experiment Station. Nothing like it. Booklet "L," FREE. **KOGER PEA AND BEAN THRESHER CO.**, Morristown, Tenn.

## CORN HARVESTER

All steel, will last a lifetime. Only weighs 175 lbs. Either 1 or 2 men. One horse cuts 2 rows. Sold direct at wholesale prices. Every machine warranted. We also make the Jayhawk Stacker and Sweep Rakes. Prices very low. Write today for free circular—It will pay you. **F. Wyatt Mfg. Co.**, 400 N. Fifth St., Salina, Kan.

**\$10.00 Sweep Feed Grader** | **\$14.00 Salvaged Wind Mill**

We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.

**CURRIE WIND MILL CO.**, Seventh St., Topeka, Kansas

## LINCOLN BUSINESS COLLEGE

133 N. THIRTEENTH ST., LINCOLN, NEB. More than 10,000 young people have received their business education at our school. They are making good. We can help you. Fall term SEPT. 2. Write for catalog.

## FOR EXCHANGE

**BUY or TRADE** with us—Exchange book free. **Bersie Agency**, El Dorado, Kan.

## 1,000—FARMS—1,000

Everywhere for Exchange. Get our fair plan of making trades all over the United States. **Graham Bros.**, Eldorado, Kan.

**WE TRADE OR SELL ANYTHING ANYWHERE.** The Realty Exchange Co., 18-22 Randall Bldg., Newton, Kan.

**WE CAN GET YOU CASH** or an exchange for your property. Write us for bargains in land. **Termini Realty Co.**, Clay Center, Kansas.

**1,840-ACRE STOCK RANCH**, 20 mi. Phillipsburg, 7 mi. railway station; 200 a. cult., half tillable, some good alfalfa land. Price, \$15 per acre, part trade, terms. Furnish plat on request. **I. E. Eldred**, Phillipsburg, Kansas.

**40 ACRES**, 4 mi. from Kosoma, Okla., clear, all plow land, to exchange for restaurant stock, clear, well located. **J. A. Kasparek**, Belleville, Kan.

**Kingman County** Farms. We have the best bargains. We can sell or trade lands or merchandise, no matter where located. Send description and lowest cash price. **JOHN H. MOORE LAND CO.**, Kingman, Kan.

**SOME ONE** has just what you want. **SOME ONE** wants just what you have. For quick action and satisfaction address **I. A. Harper Co-Operative Realty Co.**, Holsington, Kan.

**Good Trade** For western Kansas land, 20x70 ft.; 5 living rooms upstairs; always rented; on Frisco railroad. Price, \$2,000. Address owner, **D. D. Walker**, Parsons, Kan.

**240 ACRES** for sale, in 5 miles of this city, 50 a. in pasture, balance in cultivation. The best of land, well improved, plenty of water and fruit. Price, \$50 per acre. This is a fine farming country. We are in the corn belt; nice, smooth prairie land, good soil. Write for price list. Address, **W. E. STEMMONS**, Golden City, Barton Co., Mo.

**FOR SALE OR TRADE.**—\$10,000 equity in 30 acres of land in Centralia, Ill. Suitable for plating manufacturing or trucking. Farm land, east or west, live stock or city property, improved, taken in exchange. Property adjoins 4 railroads and electric lines. **E. EDSON**, Tontit, Ill.

**FOR SALE OR TRADE.** 240 acres in Wilson County, Kansas, 7 miles from the county seat; 60 acres in cultivation, 60 acres prairie meadow, balance pasture. 320 acres, 2 miles from town; small house and barn; 140 acres in cultivation and balance pasture. Would trade either one or both for a good stock of merchandise. **Long Bros.**, Fredonia, Kan.

**WE HAVE** an attractive list of farms, ranches and income properties for sale or exchange. Want to list a lot more of all kinds and sizes. We have a number of inquiries from parties wanting to buy or exchange for large tracts of cheap western Kansas lands or large ranches. We would like to hear direct from owners of such lands everywhere, and especially in Kansas. **GEO. M. NOBLE & CO.**, 435 Kansas Ave., Topeka, Kan.

## FARM LOANS

**I MAKE LOANS** on good productive farms in Kansas and Oklahoma. If you are interested in securing a farm loan now or in the future, write me. Address all letters to **Joseph F. Loche**, Wynnewood, Okla.

## ARKANSAS FARMS

I have some fine farms in Arkansas, where the winters are short and the summers mild. Fruit and stock farms a specialty. Write me for full particulars. **J. N. JAGGERS**, Walnut Ridge, Ark.

**Walter Hildwein**, one of the very successful Poland China breeders of Kansas, reports the hogs doing well at this time. Walter has a big variety for the trade this season, having been a good buyer at the best sales last winter. Look up his card in this issue and write him at Fairview, Kan., for full information.

## The GRANGE

### DIRECTORY OF THE KANSAS STATE GRANGE OFFICERS.

Master.....George Black, Olathe  
Overseer.....Albert Radcliff, Topeka  
Lecturer.....A. P. Reardon, McLouth  
Secretary.....O. F. Whitney, North Topeka  
Chairman of Executive Committee.....  
.....W. T. Dickson, Carbondale  
Chairman of Legislative Committee.....  
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Chairman of Committee on Education.....  
.....B. B. Cowgill, Lawrence  
Chairman of Insurance Committee.....  
.....I. D. Hibner, Olathe  
Chairman of Woman's Work Committee

"Leaves are shrinking on the trees,  
Where the nests are hidden;  
There's a hush among the bees,  
As though to roam forbidden;  
There's the silk of corn that shows  
Faded tangles blowing;—  
So that everybody knows,  
Pleasant summer's going."

The young man who gets ahead is he who rolls up his sleeves and not his trousers.

Faith in a bright tomorrow helps make a bright today.

A lot of Ohio granges have put up roadside watering troughs. Kansas horses like a cool drink, by the way, and such troughs might lessen the number of mad dog scares.

Work is a human service. It is a mutual giving, receiving and concession. It is better for a man to earn than to inherit. Work is a producer, a maker, a builder. It creates wealth and should share it. It supplies your needs, attends to your comforts, adds to your happiness. Work is an ever-moving force, propelling the great wheels of progress upon the highway to prosperity.

### Shawnee Open Meeting.

Shawnee Grange, at Watson, will hold an open meeting the evening of August 21, in honor of Ceres, the Goddess of Corn and Agriculture.

A stage will be erected on Mr. Fred Fix's lawn, where Miss Mabel Warner, as Ceres, will conduct the following program: Corn Song, by the boys; Corn Drill, by the girls; Play, "The Sweet Family." At the close of the program, ice cream and cake will be served at tables set under the trees on the lawn. Everybody invited.

**New Granges in the Various States.** In National Secretary Freeman's report of granges organized and re-organized from April 1 to June 30, 1912, Pennsylvania, Ohio and Washington show up strongly, while the newer grange states of Montana, South Dakota, Kansas and others are making encouraging growth. The report for the quarter named is as follows:

### ORGANIZED.

Colorado, 5; Delaware, 1; Idaho, 3; Indiana, 3; Iowa, 2; Kansas, 7; Kentucky, 2; Massachusetts, 2; Michigan, 9; Minnesota, 1; Montana, 9; Nebraska, 8; New York, 1; Ohio, 15; Oregon, 7; Pennsylvania, 23; South Dakota, 7; Washington, 15; Wisconsin, 9; Wyoming, 1; total, 130.

### RE-ORGANIZED.

Michigan, 2; Ohio, 1; Pennsylvania, 3; South Dakota, 3; Washington, 3; West Virginia, 2; Wisconsin, 1; total, 15.

### Copyright Farm Names.

Fifteen farmers of Butler county have paid their dollar each to the county clerk and secured a copyright to names for their farms. These farmers and the names chosen are:

H. C. Staley, Rose Hill, Rose Hill Stock Farm; John Regier, Whitewater, Alfalfa Leaf Stock Farm; W. H. Cain, Burns, Highland Stock Farm; Mr. and Mrs. D. D. Piper, El Dorado, Golden Rule Poultry Farm; Heber Chase, Towanda, Sunnyside Stock Farm; H. C. Hayman, Towanda, Spring Valley Stock Farm; Vida E. Shriver, Leon, Creighton; Joseph King and Sons, Potwin, Diamond Valley Stock Farm; C. C. Danby, Cassoday, Maple Grove Stock Farm; M. F. and A. N. Taylor, Augusta, Crescent Valley; H. K. Cheesbro, Leon, Maple Grove Poultry Farm; J. A. Wilson, El Dorado, Deerfield Stock Farm; J. C. Robison, Towanda, Whitewater Falls Stock Farm; L. W. Robison, Towanda, Limestone Valley Stock Farm; W. E. Stone, El Dorado, Valley View Farm.

### Kansas Farmer Best He Takes.

C. R. Mayberry, Route 4, Haddam, Kan., writes: "I read KANSAS FARMER every week, and consider it the best farm paper we take."



# A FINAL CLEAN-UP BERKSHIRE SALE

AT KINLOCH FARM, KIRKSVILLE, MO.

Thursday, August 22, 1912

## NEARLY 200 HEAD

will be sold. You can buy them AT YOUR own price. Nothing reserved

Professional duties have compelled us to wind up our Berkshire business, and it is with genuine regret that we announce this sale.

**RIVAL'S LORD PREMIER WILL BE SOLD**  
This announcement alone should interest every Berkshire breeder in America

In this final clean-up sale will be found daughters of the world's greatest sires, such as Lord Premier's Rival, Premier Longfellow, Masterpiece, Rival's Lord Premier, Berryton Duke, Jr., etc. They are bred to our great boars.

Send for your catalog at once. If you cannot attend, send mail bids to L. E. Frost, Springfield, Ill., or W. J. Cody, of Kansas Farmer.

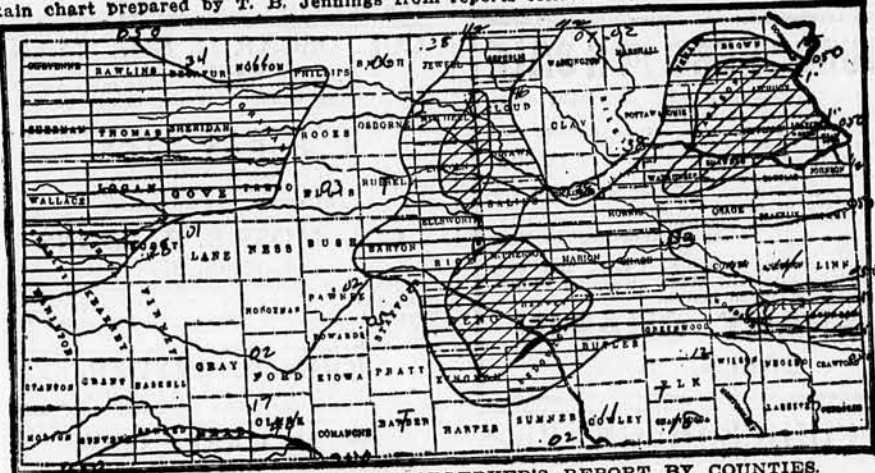
**KINLOCH FARM, Kirksville, Mo.**

**C. E. STILL, GEO. M. LAUGHLIN**

## KANSAS CROP REPORT

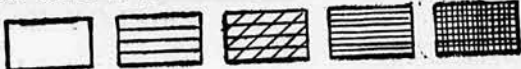
FOR WEEK ENDING JULY 25

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



UNITED STATES WEATHER OBSERVER'S REPORT BY COUNTIES.

SCALE IN  
INCHES:



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

Anderson—Needing rain. Some corn firing.  
Barber—Ground in good condition. Pasture good. Some hot winds.  
Barton—Early corn tasseling and ears forming. Needing rain. Wheat yield less than expected.  
Bourbon—Recent rains have helped crops greatly.  
Butler—Very dry and needing rain. Up-land corn suffering for want of moisture.  
Clark—Corn needing rain. Very hot and dry.  
Decatur—Corn small. Harvesting about completed. Quality good, yield small.  
Doniphan—Needing rain badly for pastures and corn.  
Elk—Crops needing rain. Hot weather killing tassels.  
Ellsworth—Wheat turning out good. Corn in good shape, but needs rain.  
Gray—Corn growing fine. Other crops good. Stock doing fine.  
Greeley—Prospects were never better for Kafir, cane and all forage crops, including a limited acreage of corn.  
Greenwood—Early corn firing. Needing rain badly.  
Johnson—Very hot and corn is needing rain. Apple crop is fine.  
Lincoln—Threshing well under way. Wheat turning out well. Corn is needing rain.  
Linn—Have had no rain the past week. Most of the time clear and hot.  
Marion—Dry and hot, but corn not suffering yet.  
Marshall—Wheat turning out good. Corn

needing rain badly. Pastures damaged by dry weather.  
Nemaha—Dry weather has damaged corn. Wheat yield good.  
Norton—Oats making good yield. Corn needing rain. Forage crops doing well.  
Pawnee—Corn in tassel and is all right yet, but will need rain soon.  
Russell—Very dry and hot. Crops suffering for want of rain. Wheat yield good.  
Sedgewick—Wheat threshing continues, with average yield of 18 bushels. Corn in fair condition, but is needing rain badly.  
Sheridan—Recent rains have been very beneficial. Good crops expected.  
Sumner—Needing rain. Corn in tassel.  
Washington—Early corn is suffering for want of rain.  
Wichita—Crops doing well since recent rains.

## For Sale or Trade

Three-year-old standard bred stallion, 5-year-old Percheron stallion, 5-year-old black jack and some young standard bred mares. Will trade for anything worth the money.  
**C. E. BEAN,**  
Garnett, Kansas.

**RYDAL POLAND CHINAS.**  
Headed by Rydal Chief by Choice Goods. Sows of best strains. SPRING pigs for sale.  
**E. S. FARLEE,**  
Rydal (Republic Co.), Kan.

## POLAND CHINAS

## POLAND CHINAS

## SAY! Mr. FARMER

Have you ever raised any of the OLD, ORIGINAL, BIG BONED SPOTTED POLANDS? Faulkner has for ten years. They have made good for him and hundreds of American farmers. Write for prices, etc. Pairs or trios, no kin.

**H. L. FAULKNER, Box K, Jamesport, Missouri.**

## MAMMOTH POLAND CHINAS

25 Bred Sows For Sale

Twenty-five mammoth sows bred for fall litters to the greatest breeding boar in the state of Iowa, the 1,000-pound Pawnee Nelson. A few bred to the mammoth two-year-old, Big Sampson. Spring pigs by the above named boars and out of mammoth sows. Size, big bone, ruggedness and quality characterize our herd. Write your wants. Prices reasonable. Address **WILLIAMS BROS., Box 83, Villisca, Iowa.**

**Dean's Mastodon Polands.** The big-boned type, will weigh when mature 800 pounds. Bred sows all sold. ALL IMMUNIZED BY DOUBLE TREATMENT AND ARE IMMUNE. Phone, Dearborn; station, New Market, and Postoffice, Weston, Mo. Address **CLARENCE DEAN, WESTON, MO.**

## WALLACE'S MAMMOTH POLAND-CHINAS

A splendid offering of big-type young boars for sale, from the strongest collection of big-type brood sows, and by the GRAND CHAMPION BOAR EXPANSION WONDER and GRAND LEADER. Size with quality is my policy.  
**W. B. WALLACE, Bunceton, Mo.**

## BASKETT'S BIG-BONED POLANDS.

I now offer a few good sows and gilts bred for September farrow to such boars as Capt. Hadley and Missouri's Best. Some good spring boars by Capt. Hadley, Grand Leader and Expansion Wonder. Sows priced at \$30 to \$40. Boars at \$15 to \$25.  
**ROBERT W. BASKETT, Route 4, Fayette, Mo.**

**FOR THIRTY DOLLARS**  
I will ship you a choice Poland gilt sired by Colossus Pan and bred for August farrow to Boy Chief by Fulton's Chief.  
**HUBERT J. GRIFFITHS, Clay Center, Kan.**

## BREEDERS AND FARMERS

W's Made Good is making good. W's White Socks is another. Both them and their get open to your inspection.

**L. C. WALBRIDGE,**  
Russell - - - Kansas.

## VINECROFT POLAND CHINAS

Bred for quality and size. Address, **ALVIN LONG, Lyons, Kan.**

**BIG, SMOOTH POLANDS.**  
Headed by Model Look and Young Billy. Sows of biggest strains; 80 choice pigs ready to ship; pairs not related. **BROWN HEDGE, Watling, Kan.**

## MADISON CREEK POLANDS

Twenty-five Spring Boars, ready to ship at 2 months. Buy the best in big type breeding and save money on shipment. Inspection invited.  
**J. L. GRIFFITHS, Riley, Kan.**

**Poland Chinas With Quality**  
For Sale Ten Choice Fall Boars—15 Choice Gilts—a few bred for May litters, priced reasonable and guaranteed right.  
**P. L. WARE & SON, Paola, Kan.**

## EUREKA HERDS

of pure-bred Polands and Durocs. Will be in the market with some good ones this fall. Write early for what you want. The price will be right.  
**W. H. SALES, Simpson, Kan.**

## GOLD METAL HEADS

our herd, and leads in point of size and producing ability, assisted by Long King's Best, by Long King. Choice fall boars for sale, sired by the only EXPANSIVE.  
**H. B. WALTER, Effingham, Kan.**

## STRAUSS POLAND CHINAS.

Big, smooth kind, headed by Model Bill 54634, and Model Wonder, descended from A Wonder. Sows of equal merit. Stock for sale.

**O. R. STRAUSS, Milford, Kan.**

## Hildwein's Poland Chinas

combines the blood of Expansion, Long King's Equal, Big Victor, Gold Metal, and other great sires. Sixty spring pigs to choose from.  
**WALTER HILDWEIN, Fairview, Kan.**

## BIG, SMOOTH POLANDS.

**FOR SALE**—Choice fall boars. Gilts bred for October farrow, and spring pigs, both sexes. Pairs not related.  
**FRANCIS PROCKISH, Westmoreland, Kan.**

## SATISFACTION OR MONEY BACK.

For sale, 12 young boars, will make herd headers; 30 choice gilts; 100 spring pigs. Prices reasonable.  
**W. A. BAKER & SON, Butler, Mo.**

## PECKHAM POLAND CHINAS

Headed by "Blue Valley Gold Dust," the best breeding boar we ever owned. Ninety good spring pigs, mostly by this boar and out of 700-pound sows. Pairs and trios not related. **R. J. Peckham, Pawnee City, Neb.**

## POLANDS WITH SIZE AND QUALITY.

Waechter's Referee No. 61045 at head of herd. Stock for sale at all times. Josias Lambert, Smith Center, Kan.

## MAMMOTH HADLEY POLAND CHINAS.

60 choice spring pigs sired by Mammoth Hadley and Grand Model, two as good sires as can be found in the west; dams of pigs carry the blood of nearly all big sires.  
**GEO. W. SMITH,**  
Burchard, Neb.

## HOME OF CAPTAIN HUTCH.

**200 Spring Pigs** for immediate sale or orders booked. Pairs and trios not related. The blood of the biggest Polands; new blood for these parts. Write for private sale catalog and prices.  
**C. W. JONES, Solomon, Kan.**

**THE LARGE, SMOOTH POLANDS.**  
Fifty head of fall boars and gilts that have size and quality; also, a few bred gilts. **L. E. KLEIN, Zeandale, Kan.**

**SOWS FOR SEPTEMBER FARROW.**  
Daughters of M's Giant Wonder and bred to Pfander's King and Expansive's Metal. Others bred to M's Giant Wonder. Low prices for quick sale.  
**JOHN T. CUBBY, Winchester, Kansas.**

## FALL BOARS.

A few choice ones sired by First Quality 60246 and out of Expansion dams, at \$25 each. **JAS. ARKELL, Junction City, Kan.**

## HARTMAN TYPE POLANDS.

Choice November and December boars, sired by Blue Valley, Jr., and Hartman's Hadley; \$20 for choice and quick sale. **J. J. HARTMAN, Elmo, Kan.**

## LANGFORDS BIG TYPE POLANDS

Have 90 head spring pigs ready to ship. Out of big, motherly sows with stretch, and strictly big type boars. C. Wonder, Spotted King and other noted boars. My hogs have the stretch.  
**T. T. LANGFORD,**  
Box A, Jamesport, Mo.

## NOLL'S MASTADON POLANDS.

Headed by Pfander's King by Long King. Mated with sows of immense size that carry the blood of the famous Mastadon and Wonder families. I have topped the best sales having this blood for sale. Fall sale, October 22.  
**JOHN W. NOLL,**  
Winchester, Kansas.

## LONGVIEW POLANDS.

Spring boars for sale, sired by Mastiff, the first and grand champion boar at Topeka, 1910; Longview Orange by Big Orange, and Victor Chief by Big Victor. Victor Chief is the largest boar if fat in Missouri. All large type and priced reasonable. Write today.  
**D. M. GREGG, Harrisonville, Mo.**

## GREEN LAWN STOCK FARM.

100 head of March and April pigs, sired by Major B. Hadley, the 1000-pound champion at the American Royal, 1911, and Giant Wonder, the best sow of A Wonder, out of a Giant Wonder sow. Spring boars and gilts priced reasonable for quick sale. Write at once.  
**A. J. ERHART & SONS, Adrian, Mo.**

## LARGE POLAND CHINAS

Choice boars, bred sows and gilts for sale. Sired by King Hadley, John Ex, and John Long 2d. Prices right.  
**W. Z. BAKER, Rich Hill, Mo.**

## VALLEY VIEW POLAND HERD.

Home of Ted. Hadley, first prize sow at Lincoln last year. Forty choice spring pigs sired by Hadley Hutch and Revenue Chief. Write for descriptions.  
**J. W. LEEPER, Norton, Kansas.**

## KOLTERMAN'S SPOTTED POLANDS

Headed by Onaga King, mated with big kind of sows. Twenty years of continuous breeding. This is the farmer's hog. Fifty spring pigs to select from.  
**CHAS. W. KOLTERMAN, Onaga, Kansas.**

## HAMPSHIRE HOGS.

### HAMPSHIRE SWINE.

Some fine spring boars and a fine lot of summer pigs, all registered stock.  
**T. S. BURDICK, Route 3, Inman, Kansas.**

### HAMPSHIRE HOGS.

Bred sows, spring pigs, in pairs or trios, not akin. Pat Malony, General Allen blood lines. Prices reasonable.  
**F. C. WITTORFF, Medora, Kan.**

### ECLIPSE FARM HAMPSHIRE.

A choice lot of spring pigs; pairs, trios, no akin, for sale; prices reasonable.  
**A. M. BEAR, Medora, Kansas.**



**HORSES AND MULES**

**JACKS AND JENNETS**  
20 large Jacks from 2 to 7 years old.  
25 head extra good Jennets priced right. Come and see me.  
**PHIL WALKER,**  
Moline, Elk Co., Kansas

**HOLSTEIN CATTLE**

**BULL CALVES** always on hand, and worth the price.  
**H. B. COWLES,** Topeka, Kansas.

**M. E. Moore & Co.** Cameron, Mo., are offering a special bargain in cows to reduce herd; 15 producing cows, priced right, for quick sale. A great opportunity. All tuberculin tested.

**SUNFLOWER HERD HOLSTEIN-FRIESIANS.**

Choice stock, both sexes, always on hand. The best sire in the middle west heads this herd. Visitors and inspection solicited. **F. J. SEARLE,** Oskaloosa, Kan.

**YOUNG HOLSTEIN BULLS**

Sired by Peterje Hengerveld Nannette and out of heavy producing dams, for sale. From young calves to yearlings. Won first at Topeka, Hutchinson and Oklahoma State fairs on young herd, 1911. Herd bull was junior champion.  
**W. C. JONES & SONS,**  
Route 2, Topeka, Kan.



Purebred Registered  
**HOLSTEIN CATTLE**  
The Greatest Dairy Breed  
Send for **FREE** Illustrated Booklets.  
Holstein-Friesian Assn., Box 114, Brattleboro, Vt.

When writing advertisers, please mention **KANSAS FARMER.**

**CHENANGO VALLEY HERD.**

**CHENANGO VALLEY GRADE HOLSTEINS**—Can furnish in carload lots, large, young, good business dairy cows and heifers. Also, yearling and 2-year-old heifers. My cows are selected from the best milking dairies of central New York. You will make no mistake in buying this kind.  
**F. J. HOWARD,**  
Bouckville, N. Y.

**JERSEY CATTLE**

**WESTERN JERSEY FARM**—Headed by the famous Financial Countess Lad, sold for \$2,500 when only 3 months old and for \$5,000 as a 2-year-old. He is a wonderful show bull and the Finance family cannot be surpassed for production and constitution. Twelve granddaughters of Financial King in herd. Cows that milk as high as 45 pounds with second calves, and 56 pounds of milk daily when 5 years old. A few young bull calves for sale. Express prepaid in Oklahoma and Kansas. Safe delivery guaranteed.  
**J. E. JONES,**  
Nowata, Oklahoma.

**REGISTER OF MERIT JERSEYS.**

The only herd in Kansas that makes and keeps official records. **FOR SALE**—Two extra choice yearling bulls sired by Imp. Oakland Sultan. They are out of tested 600-pound cows. Also 25 choice heifers and a few tested cows. Inspection invited.  
**R. J. LINSKOTT,** Holton, Kansas.

**REGISTERED JERSEY BULL.**  
**BLUE BELL'S BOY** No. 75800, half-brother to Noble of Okla.; 5 years old; gentle. Price reasonable.  
**J. S. TAYLOR,** Iola, Kan.

**GOLDEN RULE JERSEYS.**  
**For Sale**—A six weeks old bull calf sired by Oomeris Eminent and out of very choice cow. Scarce of milk, must sell. Price, \$25. Also have bred heifers.  
**Johnson & Nordstrom,** Clay Center, Kan.

**BANKS FARM JERSEYS**

Quality with milk and butter records. One of the best sons of **CHAMPION FLYING FOX**, imported, at head of herd. Stock for sale.  
**W. N. BANKS,** Independence, Kan.

**JERSEY BULLS.**  
**For Sale**—An extra good tried sire of Tormentor breeding. Cannot use any longer. Also, a 2-months-old calf of St. Lambert breeding. **O. E. NICHOLS,** Abilene, Kan.

**DUTCH BELTED AND HOLSTEINS.**  
Male and female calves from exceptionally good sultans. Entire herd officially tested by Kansas Agricultural College. **SPRINGDALE STOCK RANCH,** Concordia, Kan.

**HEREFORD CATTLE****HEREFORDS FOR SALE**

Ten choice, richly bred bulls, from 8 to 18 months of age. Also, few young cows and heifers. Plenty of size, extra good heads, with horns to match, and elegant coats.

**WILLIAM ACKER**  
Vermillion, Marshall County, Kan.

**POLLED DURHAM CATTLE**

**ROAN HERO,**  
**THE INTERNATIONAL CHAMPION, AND**  
**ARCACIA PRINCE X 8079-308159**  
the first prize winners, head my herd of Double Standard Polled Durhams. M. P. Ry, 17 miles S. E. of Topeka, Kan. Farms adjoins town. Inspection invited.  
**D. C. VAN NICE,** Richland, Kan.

**SHORTHORN CATTLE**

**GLEN HALL SHORT HORN HERD** headed by Choice Prince, by Prince of Tebo Lawn and out of Good Lassie by Choice Goods. 5 choice red bulls in age from 10 to 14 months. Herd header, Prospects.  
**JOHN O'KANE,** Blue Rapids, Kan.

**TENNEHOLM SHORTHORNS**—Pure Scots and Scotch topped Bates families. Bulls in service, Royal Gloster and Col. Hampton. A few young bulls of extra quality on hand; also, some females. Prices low for early sale. **E. S. MYERS,** Chanute, Kan.

**Polands and Shorthorns**

Fifty head of very choice big-type Poland China spring pigs. Limited number of tried sows bred for August and September farrow. Also cows and heifers bred or open. Nothing but first class stock sold for breeding purposes. Inspection invited.  
**S. B. AMCOATS,** Clay Center, Kansas.

**GALLOWAY CATTLE**

**G. E. Clark.** **W. W. Dunham.**  
**CAPITAL VIEW GALLOWAYS**  
12 Miles West of Topeka.  
A choice lot of bulls 10 to 20 months old, by imported and American bred sires. They will please you. Address  
**CAPITAL VIEW RANCH,** Silver Lake, Kan.

**SMOKY HILL RANCH.**  
Registered Galloway cattle. One hundred and fifty head in herd headed by the show bull, "Pat Ryan of Red Cloud." Twenty-five choice bulls for sale, in age from 12 to 24 months. Also, breed Percheron horses.  
**E. J. GUILBERT,** Wallace, Kan.

**ANGUS CATTLE****SUTTON FARM**

**FIFTY ANGUS BULLS,**  
sired by the best herd bulls.  
Priced single or carlots. Priced low to clean up. See them at  
**LAWRENCE, KAN.**

**High Class Angus Bulls**

Six Angus bulls and a few females for sale. Choicest breeding. 230 in herd headed by Undulata Blackcap No. 2d, Black Lad 2d and Woodlawn Blackbird Prince, all Blackbirds. None better. Prices right.  
**C. D. and E. F. CALDWELL,** Cameron, Mo.

**RED POLLED CATTLE**

**PHILIPS COUNTY RED POLLS.**  
**For Sale**—Cows and heifers, sired by the great Launfal and bred to Cremo 21st. Five excellent bulls from 8 to 18 months, some out of 60-pound, 5 per cent cows. Also, 50 big type Poland pigs.  
**Chas. Morrison & Son,** Phillipsburg, Kan.

**RED POLLED CATTLE**  
A few choice bulls, ready for service, priced reasonable.  
**I. W. POULTON,** Medora, Kan.

**RED POLLED HERD BULLS.**

High-class herd headers, sired by 2300-pound bulls; also, a number of choice cows and heifers, priced to sell quick.  
**E. B. YOUTSEY,** Pattonsburg, Mo.

**RED POLL BULLS FOR SALE.**

Ten choice young bulls, of serviceable age. The best breeding; registered; herd numbers fifty.  
**AULD BROTHERS,** Frankfort, Kan.

**FOSTER'S RED POLLS.**  
Choice bulls and heifers priced reasonable.  
**C. E. FOSTER, R. R. 4,** Eldorado, Kan.

**PROFIT IN GUERNSEYS**

One county in Wisconsin takes in \$400,000 for dairy cattle each year. These cattle are shipped to nearly every state in the west. There were few Guernseys in that country 20 years ago, but now hundreds of farmers have them. The demand is greater than ever. Kansas farmers are waking up to the dairy prospects. Be one of the first taking hold of Guernseys. We have 10 Guernsey bulls ready to ship—four of them ready for service. Write us at once for quotations.  
**LAKE VIEW FARM,**  
Greenwood, - - Missouri.

**800 FOUR - YEAR - OLD STEERS**

Good quality. Will sell from carload up. 700 head Shropshire breeding ewes. 100 head horses, including ponies and good draft mare. Good bunch of mules. Will sell worth the money. Aikin Station on farm. Marysville branch U. P. **AIKINS' RANCH.**  
**F. T. GRIMES, Manager.** P. O., Emmett, Kan.; Station, Aikins, Kan.

**150 SHETLAND PONIES 150**

Stallions, Geldings and Mares. All Colors and Ages. Thirty-four to Forty-eight Inches High. Call on or address,

**C. H. CLARK, Colony, Kan.**

**DUAL PURPOSE SHORTHORN CATTLE**

Evergreen Home Farms, Lathrop, Mo., J. H. Walker, Prop.—Breeder of dual purpose Shorthorn cattle, Oxford Down sheep, Berkshire hogs and Burbon Red turkeys. Breeding stock for sale at all times. Prompt attention to mail orders. Write us for milk and butter records of our Shorthorn herd. **J. H. WALKER,** Lathrop, Mo.

**FULKERSON STOCK FARM POLANDS.**

An extra good lot of early spring pigs, both big and medium type. Pigs sired by Washburn's Perfection, others by Pfander's Big Ben. Pairs or trios no kin, priced right.  
**F. D. FULKERSON and E. A. SMITH,** Brimmon, Mo.

**Crystal Herd O. I. C. Swine**

Herd headed by Frost's Buster. A number of extra good boars, ready for service, for sale. Also a number of choice gilts. This stock is priced to sell.  
**DAN WILCOX,** Cameron, Mo.

**GUERNSEY CATTLE.**

A FEW Guernsey bulls for sale; butterfat record 688 to 714 lbs. per year; prices reasonable. **Frederick Houghton, Roxbury, McPherson Co., Kansas.**

**SHROPSHIRE SHEEP.**

Shropshire sheep and Poland China hogs. Choice rams, ready for service, priced right. A number of extra good Poland China fall gilts, priced to sell quick. Write for prices.  
**JOS. POTTERMAN, CLARKSDALE, MO.**

When writing advertisers, please mention **KANSAS FARMER.**

**IOWA'S PIONEER BREEDERS AND IMPORTERS OF SHROPSHIRE SHEEP.**  
Choice yearling rams with size and quality. Also will sell our imported herd rams if taken soon. Prices reasonable.  
**DANIEL LEONARD & SONS,** Corning, Iowa.

**OHIO IMPROVED CHESTERS****MAPLE LEAF O. I. C.s.**

Am booking orders now for spring pigs of the very best breeding. Also a few choice gilts for sale, bred or open. Prices reasonable. Write today.  
**H. W. GAGE,** Route 5, Garnett, Kan.

**O. I. C. PIGS**—Both sexes. \$10.00 each.  
**Harry Haynes,** Meriden, Kan.

**DUROC JERSEYS****DUROC HERD FOR SALE**

Am leaving, and must sell right away the following pure-bred Durocs:  
12 tried sows, bred for September farrow, \$35 to \$50 each.  
7 fall and summer gilts, bred for September farrow, \$25 each.  
30 spring pigs, \$15 for one, two for \$25, five or more \$10 each.  
3 fall boars, \$25 each.  
Herd boar, "Chapin's Wonder," by Neb. Wonder, \$50.  
King's Col., by King of Cols. 2nd, \$50.  
In bunches will make sweeping reductions from these prices.

**GRANT CHAPIN GREEN, KAN.**

**40 CHOICE DUROC PIGS**

Sired by G. M.'s Col. and Carl Critic. Sows of Tattarrax, Orion and Crimson Wonder breeding. Sale October 29.  
**W. W. BALES,** Manhattan, Kan.

**CHOICE DUROC JERSEY BOARS.**  
Last fall farrow, sired by Good E Nuff Model by the Duroc wonder, Good E Nuff Again, and out of sows by Crimson Jack by Crimson Wonder.  
**E. H. GIFFORD,** Lewiston, Neb.

**FALL DUROC BOARS.**  
Choice ones to select from. Fed and handled properly for good results. Choice breeding. Only the best saved for breeding. Reasonable prices.  
**HOWELL BROS.,** Herkimer, Kan.

**FALL DUROC JERSEY BOARS.**  
**GOOD ONES:** Sired by Carter's Golden Rule, grandson of Pearl's Golden Rule and out of sows sired by G. C.'s Kansas Col. Also, 50 pigs, weanlings.  
**J. W. WOHLFORD,** Waterville, Kan.

**VILANDER'S DUROC JERSEYS.**  
130 spring pigs, sired by Tattarrax Chief, White House King, Carl Critic, etc. Out of mature dams. Pairs and trios not related. Ready to ship now. **ALVIN VILANDER,** Manhattan, Kan.

**Poland China and Duroc Jersey Hog Sale**

**Aug. 21-1912 40 Bred Sows**  
farrow early in September. All registered. Send today for illustrated catalog. **LAPTAD STOCK FARM,** Lawrence, Kan.

**GOLDEN RULE DUROC JERSEYS**

Choice bred sows and gilts for sale. Herd boars Dreamland Col. and L. C.'s Defender. Also spring pigs by the boars mentioned.  
**LEON CARTER,** Asherville, Kansas.

**BERKSHIRE HOGS.****BUY THE BEST IT PAYS**

Sows bred for summer farrow. A splendid lot of young boars. Write  
**SUTTON FARMS,**  
Box 133 Lawrence, Kansas.

**AUCTIONEERS****LAFE BURGER**

**LIVE STOCK AND REAL ESTATE AUCTIONEER**  
Wellington - - Kansas

**Missouri Auction School.**

(Largest in the World.)  
The school that gives you practice in actual sales in their own auction rooms. Next term August 5, at Trenton, Mo. Address  
**W. B. CARPENTER,**  
14th and Grand Ave., Kansas City, Mo.

**COL. OSCAR H. BOATMAN**

Live stock auctioneer. Graduate American Auction School. Write, phone or wire for dates.

**COL. RAY PAGE.**

Live Stock Auctioneer.  
Satisfaction Guaranteed.  
**FRIEND, NEBRASKA.**

**COL. MOSS B. PARSONS**

**LAWSON, MO.**  
Pure-bred Stock Auctioneer and General Salesman. A number of years experience. Terms reasonable. Write me for dates for fall sales.

**JOHN D. SNYDER,**  
Kansas Live Stock Auctioneer.  
Write or wire for date. **Hutchinson, Kan.**

**W. B. CARPENTER**

Live Stock and Real Estate Auctioneer  
14th and Grand Ave., Kansas City, Mo.

**EMPLOY ZAUN**

for the best results. He works for the best breeders in America. Best of reference furnished. Write for dates.  
**FRANK J. ZAUN,** Independence, Mo.

**R. L. HARRIMAN**

**LIVE STOCK AUCTIONEER.**  
Bunceton, Mo.

**MONT ORR**

Live stock and farm sales auctioneer; block and ring work solicited. **Belleville, Kan.**

**James T. McCulloch** Live Stock Auctioneer.  
Clay Center, Kansas.  
Write Early  
For Choice of Dates.

**J. E. BUMPAS**

The Missouri Big Type Hog Auctioneer.  
Write for date and terms.  
**WINDSOR, MO.**

**J. R. Triggs** LIVE STOCK AUCTIONEER  
Valley Falls, Kansas.

**Col. L. R. Brady** Live stock auctioneer.  
Manhattan, Kansas.  
Ask about my work.

**Col. L. H. Grote** Morganville, Kan.  
Live Stock and General Auctioneer.



## FIELD NOTES

## FIELD MEN.

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

## Hartman's Polands.

J. J. Hartman, the wide-awake young Poland China breeder, located at Elmo, Kan., offers fall boars that are good, and the price asked is low. Write while they last.

## Spotted Poland Chinas.

This issue we start an advertisement for Mr. C. W. Kolterman, big spotted Poland China specialist, of Onaga, Kan. Mr. Kolterman is an old timer, having bred Poland Chinas for more than 20 years. Write him about the spotted pigs, and mention Kansas Farmer.

## Curry Offers Sows.

John T. Curry, the good Poland China breeder, of Winchester, Kan., offers sows bred to his great boar, M's Giant Wonder, one of the biggest boars owned in Kansas. The sows are daughters of noted big boars, such as Pfander's King and Expansive. Write Mr. Curry for further information.

## C. W. Jones' Polands.

One of the very best chances to buy the blood of the noted big Poland China hogs is at the home of "Captain Hutch," the famous 1,000-pound boar, owned by C. W. Jones, of Solomon, Kan. In his advertisement, which appears in this paper, Mr. Jones offers 200 spring pigs at prices consistent with quality. Pairs and trios can be furnished that are not related.

## Arkell's Polands.

James Arkell, the well known breeder of big, smooth Poland Chinas, of Junction City, Kan., is offering for immediate sale some very choice fall boars. They are first class and should be sold soon. They are of Expansion breeding on dam's side and were sired by First Quality, one of the good breeding boars now in service.

## Noll's Mastadon Kind.

John W. Noll, breeder of Mastadon Poland Chinas, at Winchester, Kan., reports things moving along fine at the farm. Mr. Noll breeds the very largest, and has put more money into breeding stock than almost any other breeder of the territory. He has a great line of sows and boars, including Pfander's King, by Long King, is a boar of great size and smoothness. Remember, Mr. Noll's fall sale date is October 22.

## State Fair, Topeka, September 9, 10, 11, 12, 13, 1912.

## Sanitary Poultry Roost.

All those interested in poultry will, no doubt, hail with delight a new poultry roost put out by the "Only Sanitary Poultry Roost Company, of Belleville, Kan." Mr. E. A. McIntire, the manager of the company, says great things of his roost and states that it is a positive cure for mites in a flock. The roost is well made, out of the best long leaf yellow pine, with the exception of the filler, which is of soft cork wood. It has many splendid features in its make-up which are bound to please. Mr. McIntire has many excellent testimonials from his customers, all of whom speak highly of the Only Sanitary Poultry Roost.

## Baskett's Big Polands.

The card of Robert W. Baskett, of Fayette, Mo., starts in this issue of the Kansas Farmer. Mr. Baskett owns one of the outstanding good herds of big Polands. He has the big, mellow, easy feeding kind; a combination of size and quality that makes them desirable. At the present time, Mr. Baskett is offering some very fine sows and gilts, bred for September farrow. They are bred to such boars as Capt. Hadley, Missouri's Best, also some outstanding good spring boars sired by Capt. Hadley, Grand Leader and Expansion Wonder. This offering is one that will interest breeders wanting high class sows or boars. Mr. Baskett guarantees the description of all stock. Write him at Fayette, Mo., for description and prices. Please mention Kansas Farmer when writing.

## Leeper's Big Polands.

This week we start advertising for J. W. Leeper, proprietor of the Valley View Poland China herd, located at Norton, Kan. Mr. Leeper owns one of the good herds of the state. His herd boars are Hadley Hutch and Revenue Chief, both boars of immense size. Hadley Hutch was sired by Big Hadley and his dam was by Big Hutch. Revenue Chief was sired by Blue Valley Exception and his dam was the great sow, Tec Hadley, winner of first prize in the State Fair last year. Other sows in the herd are almost of equal greatness, among them daughters of Gold Metal, Big Hadley, etc. Take the writer's word for it that here is a good place to buy a pig. Mention this paper when writing.

## Western Land Rollers.

The Western Land Roller, manufactured in Hastings, Neb., is an implement of special worth to farmers reading this paper. It is advertised on another page, and attention is specially invited to the advertisement. This roller has special features of its own, not found on any other roller. It is a sub-surface packer, which has a light draft and works in rough ground to extra good advantage. The roller, at one operation, pulverizes, packs and levels, still leaving the surface rough enough to prevent soil drifting. This roller was invented by a farmer for his own use on his farm in the semi-arid district of the west. It was such a success that it was necessary to manufacture on a large scale to supply the demand. A letter to the factory at the above address will bring, by return mail, full information and prices. When writing, kindly mention Kansas Farmer.

## Potterman's Shropshires and Polands.

The card of Joseph Potterman, of Clarksdale, Mo., commences in this issue of Kansas Farmer. Mr. Potterman is one of Missouri's pioneer breeders of Shropshire sheep and owns one of the best flocks in the state today. He keeps only imported and American bred ewes. He has this year an extra good lot of young rams ready for service. A better lot will not be offered this season and Mr. Potterman is pricing them right. He guarantees the description of every animal. He is one of the very reliable breeders in the business and his guarantee is good. Mr. Potterman also has a very fine herd of Poland China hogs, headed by a son of Top Notcher, and a very fine breeder. One of the best sow herds in the country

will be found on Mr. Potterman's farm, as well as a fine lot of spring pigs and fall gilts. At present he is offering a number of the best Poland China fall gilts that the writer has seen this season. Among the lot offered are a number of show gilts. Mr. Potterman is pricing the gilts so as to sell them quick. Write him at Clarksdale, Mo., for prices and description of stock. Please mention Kansas Farmer when writing.

## Klein's Polands.

L. E. Klein, Zeandale, Kan., regular advertiser in this paper, always has stock for sale that will measure up to the best. At present he is offering 50 head of extra choice fall boars and gilts. Although corn has been high and scarce, Mr. Klein has unbounded faith in future good prices, and has kept his hogs in nice breeding condition, but not fat. Now is the time to buy. Another 30 days will see a marked advance in pure-bred prices. Mention this notice when writing.

## Amcoats Make Good Sale.

S. B. Amcoats, of Clay Center, Kan., reports a nice sale of Shorthorns to Mr. James S. Williams, of Haven, Kan. The sale consisted of four very choice heifers and a pure Scotch bull. Mr. Williams is just starting his herd, and certainly showed good judgment in visiting the Amcoats herd for the purpose of selecting his stock. Mr. Amcoats changes his card this week and offers 50 big type Poland China spring pigs and bred sows. Also, cows and heifers, bred or not, as desired. When writing about this stock, please mention this paper.

## McCulloch Always Interested.

Owing to sickness in his family, Col. James T. McCulloch has been kept pretty close at home for the past two months. Col. McCulloch, besides being a great auctioneer, has demonstrated his ability as a nurse and general housekeeper. Between acts, he has read, with great interest, reports of the things that effect business in general, and the welfare of the farmer and stockman in particular. Col. McCulloch reads the handwriting on the wall, and says that, in his judgment, an era of splendid prosperity is about to dawn for the breeder of pure-bred stock. We are glad to state that Col. McCulloch has more dates booked than ever before at this season of the year.

## Leon Carter Visited.

One of the Duroc Jersey herds that has shown marked improvement for the past few years is the Golden Rule herd, owned by Mr. Leon Carter, of Asherville, Kan. Mr. Carter has proved himself to be one of the constructive breeders of the state, and at this time he has one of the best sow herds to be found in the west. His herd boars, Dreamland Col. and L. C.'s Defender, are boars of considerable note. Dreamland Col., from one of the best eastern herds, is an individual of outstanding merit and has proved himself a breeder worthy of a place in any good herd. In the herd at this time are about 30 gilts, a big per cent sired by this boar. They are wonderfully smooth and very long, among them some great sow prospects. The Golden Rule herd at this time numbers about 150 head. There is always stock for sale, and the Carter advertisement appears regularly in Kansas Farmer. At the present, bred sows and gilts are offered.

## Pennock's Good Stock.

Milton Pennock, one of the old time O. I. C. breeders of Kansas, has decided to take a year off and visit South America, and with this idea in view will disperse his entire herd of O. I. C. hogs and Red Poll cattle on October 25. Mr. Pennock has been at his present location for forty years and has done much for the good stock interests of his locality. The herds are doing fine at this writing, and with the good crop now growing on the farm will be put in nice sale condition. Mr. Pennock has always bought the best, both in cattle and hogs, and the fact that this will be a dispersion sale should attract buyers from quite a distance. When asking for any information about the sale, kindly mention this paper.

## How to Judge a Silo.

The advantages which accrue from feeding silage, both on dairy farms and farm generally, are so great as to make the silo an important and necessary feature on every farm. There are silos and silos. Most of them are good, and some better. The features which go to make a silo good and which tend to make it superior to others, are matters of important consideration to those who contemplate building silos this season. It goes without saying that a silo should be substantial, that it should be air-tight, that it should be convenient, and that it should perfectly preserve the silage that is put into it. Any of these facts relative to these points and which will enable any reader of Kansas Farmer to judge a silo, may be learned from literature prepared by Mr. Keller J. Bell, whose advertisement appears on another page of this issue. The book deals extensively and in detail on all matters of interest. It also gives facts and figures proving the value of the silo as a money maker and feed saver. This book may be secured by any of our readers, without cost, if they will write to Keller J. Bell, Manager, Western Silo Company, 135 Eleventh Street, Des Moines.

## Nichols' Jersey Cattle.

One of the good little herds of registered Jersey cattle of the territory is located at Abilene, Kan., and is the property of Mr. O. E. Nichols. Mr. Nichols owns a fine suburban farm just west of town, and has it fully equipped with silos, dairy barns, etc., for the handling of dairy cattle. His Jersey herd, although as yet small, contains some of the best animals of the breed now owned by any Kansas breeder. Among the best are the heifers, "Fern's Revelation" and "Fern's Lady Wonder." These heifers were sired by Golden Pride's Fern L., a grandson of the noted Golden Fern's Lad, perhaps the most noted bull of the breed. The dam of one was Sultan's granddaughter of the other was out of a granddaughter of the noted bull, Eminent. These heifers cost Mr. Nichols \$250 and \$255. They are beauties and fine foundation for a herd. Mr. Nichols offers for sale his herd bull, a nice, gentle sire of Tormentor breeding. The young bull is to take his place in the herd. This one is a son of "Noble Nameless Lad," he by Sultan's Jersey Lad. Mr. Nichols also offers a 2-months-old bull by Noble Nameless Lad, and out of a St. Lambert bred cow. Mr. Nichols, besides breeding Jerseys, has a fine herd of registered Poland Chinas, and offers spring pigs at a reasonable figure. When writing him, please mention Kansas Farmer.

## Kinloch Farm Berkshire Dispersion Sale.

Attention is called to the Kinloch Farm Berkshire dispersion sale advertisement in this issue of Kansas Farmer. On Thursday, August 22, 1912, at Kirksville, Mo., one of the greatest Berkshire herds ever assembled will be sold at public auction, and Berk-

## Readers Market Place

## HELP WANTED.

GOVERNMENT FARMERS WANTED—\$60 monthly. Free living quarters. Write today. Osment, 44-F, St. Louis.

WANTED—POSTOFFICE CLERKS, CITY and rural carriers. Thousands needed. Examinations soon. Trial examination free. Write today. Osment, 44-F, St. Louis.

WANTED—A FARM RAISED WOMAN for housekeeper and cook. Small family. Good home. Give references. W. E. Barker, M. D., Chanute, Kan.

WANTED—50 YOUNG MEN TO LEARN telegraphy and accept positions in station service on the Union Pacific railroad. Address, R. H. Pentz, Supervisor, Kansas City, Mo.

WANTED—MEN IN EVERY TOWN IN Mo., Kan., Ill., Neb., Okla., Ark. to take orders for nursery stock. Outfit free. Cash weekly. National Nurseries, Lawrence, Kan.

FREE ILLUSTRATED BOOK TELLS about over 360,000 protected positions in U. S. service. More than 40,000 vacancies every year. There is a big chance here for you, sure and generous pay, lifetime employment. Easy to get. Just ask for booklet. \$89. No obligation. Earl Hopkins, Washington, D. C.

MEN, FOR FIREMEN AND BRAKEMEN on railroads in Topeka vicinity; \$80 to \$100 monthly; promotion, engineer or conductor; experience unnecessary; no strikes; age 18-35. Many positions for competent men. Railroad Employing Headquarters; thousands of men sent to positions. State age. Railway Association, Dept. K, 227 Monroe St., Brooklyn, N. Y.

WANTED—MEN AND WOMEN, FOR government positions. \$80 month. Annual vacations. Short hours. No "layoffs." Common education sufficient. Over 12,000 appointments coming. Influence unnecessary. Farmers eligible. Send postal immediately for free list of positions open. Franklin Institute, Dept. E 87, Rochester, N. Y.

SALESMEN—TO SELL HIGH-GRADE guaranteed groceries at wholesale, direct to farmers, ranchmen and all consumers. Earn \$4 to \$10 and up per day. A big chance to get into business for yourself. Save the buyer the retailer's profit. Every customer is a permanent one. Demand constantly increasing. Latest plans. K. F. Hitchcock Hill Co., Chicago.

## SITUATION WANTED.

WANTED—POSITION ON ONE OF THE better farms, by young German gentleman, merchant, who would expect to work without pay until he has made himself thoroughly acquainted with all. A. A. care Kansas Farmer.

SITUATION WANTED—ON FARM, BY experienced farmer and stockman; have family; can give best of references; would like to handle furnished farm on shares. Box 153, Glasco, Kan.

EXPERIENCED LIVE STOCK HANDLER and grain farmer wants position on large farm. Has handled cattle, sheep, hogs, horses in large way and will deliver results. Looking for opportunity. Wages secondary. Grown up with large stock and farming operations. Not college graduate. Ad-Thirty years old, married, two children. Address, Box B, care Kansas Farmer, Topeka, Kan.

## POULTRY.

PRIZE WINNING BARRED ROCKS, eggs, babies, breeders. Mrs. Gillespie, Clay Center, Kan.

FOR SALE—MY ENTIRE STOCK OF Wisconsin Shuffler Pit Games, consisting of young and old stock. Write for particulars. H. M. Lockie, Utica, Neb.

EGGS—FAVORITE PLYMOUTH ROCKS—Eggs from prize winning White, Buff, Partridge and Columbian Plymouth Rocks. Catalog free. Favorite Poultry Farm, Stafford, Kan.

BUFF WYANDOTTES—BREEDING stock in season. A splendid lot of youngsters coming on. The best bargains to those who buy early. Wheeler & Wylie, Manhattan, Kan.

## DOGS.

CHOICE COLLIE PUPPIES, READY now. Catalog free. John D. Ziller, Kennels, Hiawatha, Kan.

## TOO LATE TO CLASSIFY.

PLAIN VIEW STOCK FARM  
The home of the 1,000-pound grand champion Pawnee Chief Hadley and Big Bill Taft. We are offering 80 big-type spring boars and gilts sired by the above-named and other large-type sires, also two herd boars and 25 fall gilts either bred or open. We believe in size, quality and prolificacy, and we have a line of hogs now on which we can guarantee these essential features, and on this basis we solicit your trade.  
DE. JOHN GILDOW & SONS, Jamesport, Missouri.

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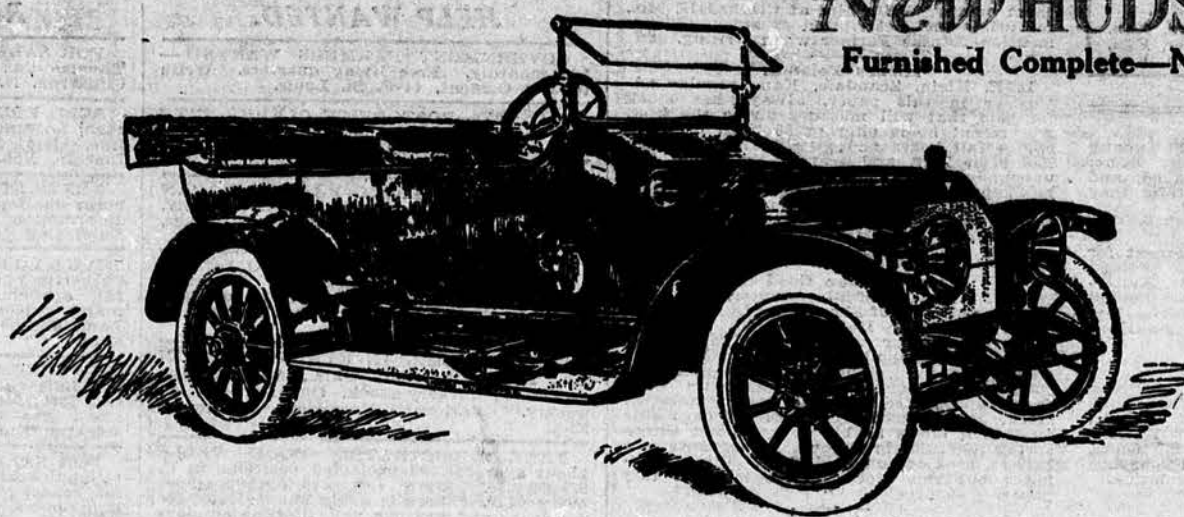
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Consider for a moment the rapid advancement that has been made in motor car building. It is almost as startling as are the changes in fashion. Think how strange are the open cars of two years ago. What proportion of their original cost do you think such cars now bring? It is not due to wear that their value has declined so much. No, it is the advance that has been made in automobile building since the open cars were put on the market.

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At the head of these experts is Howard E. Coffin, the foremost automobile engineer of America, recognized here and abroad as the most startlingly original designer the industry has produced.

His genius is an inspiration to his associates. From him they have gained in ability. On account of them he has become a broader and more versatile builder.

What one man lacked in experience, some one of his associates was able to supply. The problems one was unable to solve, others soon found the answer for.

That accounts for the completeness of this car. That accounts for the fact that you will find on it the very things that you have wished to find on an automobile. That explains why this car will do the things which other four-cylinder automobiles have failed to accomplish.

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No one is likely to soon have many new ideas to offer that these 48 engineers have not already anticipated.

They all combine in saying that the new HUDSON "37" represents the best that there is in four-cylinder construction.

They proved every move they have made through 20,000 miles of gruelling country, mountainous, mud and snow driving.

The most abusive treatment one of the most skilled drivers in the world could give this car in the thousands of miles he drove it, without developing a single weakness, or discovering a single detail in which improvement could be made either in design, construction, simplicity, easy riding qualities, responsiveness, safety or power, is a guarantee that you will find it expresses your ideal of what a four-cylinder car should be.

### Some of its Notable Features

**Electric Self-Cranking.** Automatic. Will turn over motor 30 minutes. Free from complications. Simple. Positively effective.

**Electric Lights.** Brilliant head lights. Side lights. Tail lamp. Illuminated dash. Extension lamp for night work about car. All operated by handy switch on dash.

**Ignition.** Integral with electric cranking and electric lighting equipment. Gives magneto spark. Known as Delco Patented System, the most effective, efficient yet produced.

**Power.** Four-cylinder—en bloc, long stroke. New type, self-adjusting multiple jet carburetor. High efficiency, great economy. 41 horsepower, brake test. 37 horsepower at 1,500 revolutions per minute.

**Speedometer.** Clock. Illuminated face. Magnetic construction. Jeweled bearings. Registers up to 60 miles an hour. Eight day keyless clock.

**Windshield.** Rain vision and ventilating. Not a makeshift. Not an attachment. A part of the body.

**Upholstering.** 12 inches deep. Highest development of automobile upholstery. Turkish type. Soft, flexible, resilient. Comfortable positions. Hand-buffed leather—the best to be had.

**Horn.** Bulb type. Concealed tubing.

**Demountable Rims.** Latest type. Light. Easily removed. Carry 36 x 4" Fisk tires—heavy car type. Extra rim.

**Top.** Genuine mohair. Graceful lines. Well fitted. Storm curtains. Dust envelope.

**Bodies.** Note illustration. Deep, low, wide and comfortable. You sit in the car—not on it. High backs. Graceful lines. All finished according to best coach painting practices. 21 coats—varnish and color.

**Nickel trimmings** throughout.

**Gasoline Tank.** Gasoline is carried in tank at rear of car. Simple, effective, with two-pound pressure. Keeps constant supply in carburetor either going up or down hill. Magnetic gasoline gauge continually indicates gasoline level.

**Wheels.** Extra strong. Artillery type. Ten spokes in front wheel. Ten hub flange bolts. Twelve spokes in rear wheel. Six hub flange bolts. Six spoke bolts.

**Bearings.** All roller bearings, thoroughly tested. Latest type.

**Rear Axle.** Pressed steel. Full adjustable, full floating. Large bearings. Heat treated nickel steel shafts. Easily disassembled, an item which indicates the simplicity and get-at-ability of the entire car.

**Models and Price.** Five-Passenger Touring, Five-Passenger Torpedo, Two-Passenger Roadster—\$1875, f. o. b. Detroit. Canadian price, duty paid, \$2425, f. o. b. Detroit. One price to all—everywhere.

**Simplicity.** The HUDSON standard of simplicity is maintained. Every detail is accessible. There is no unnecessary weight. All oiling places are convenient. There are but two grease cups on the motor. Every unit is so designed that it can be quickly and easily disassembled. Think what an advance this is over even the previous HUDSON—the "33"—the "Car with 1000 less parts."

## HUDSON MOTOR CAR COMPANY

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