

# KANSAS FARMER

FOR THE IMPROVEMENT



OF THE FARM AND HOME

Volume 49, Number 38.

TOPEKA, KANSAS, SEPTEMBER 23, 1911.

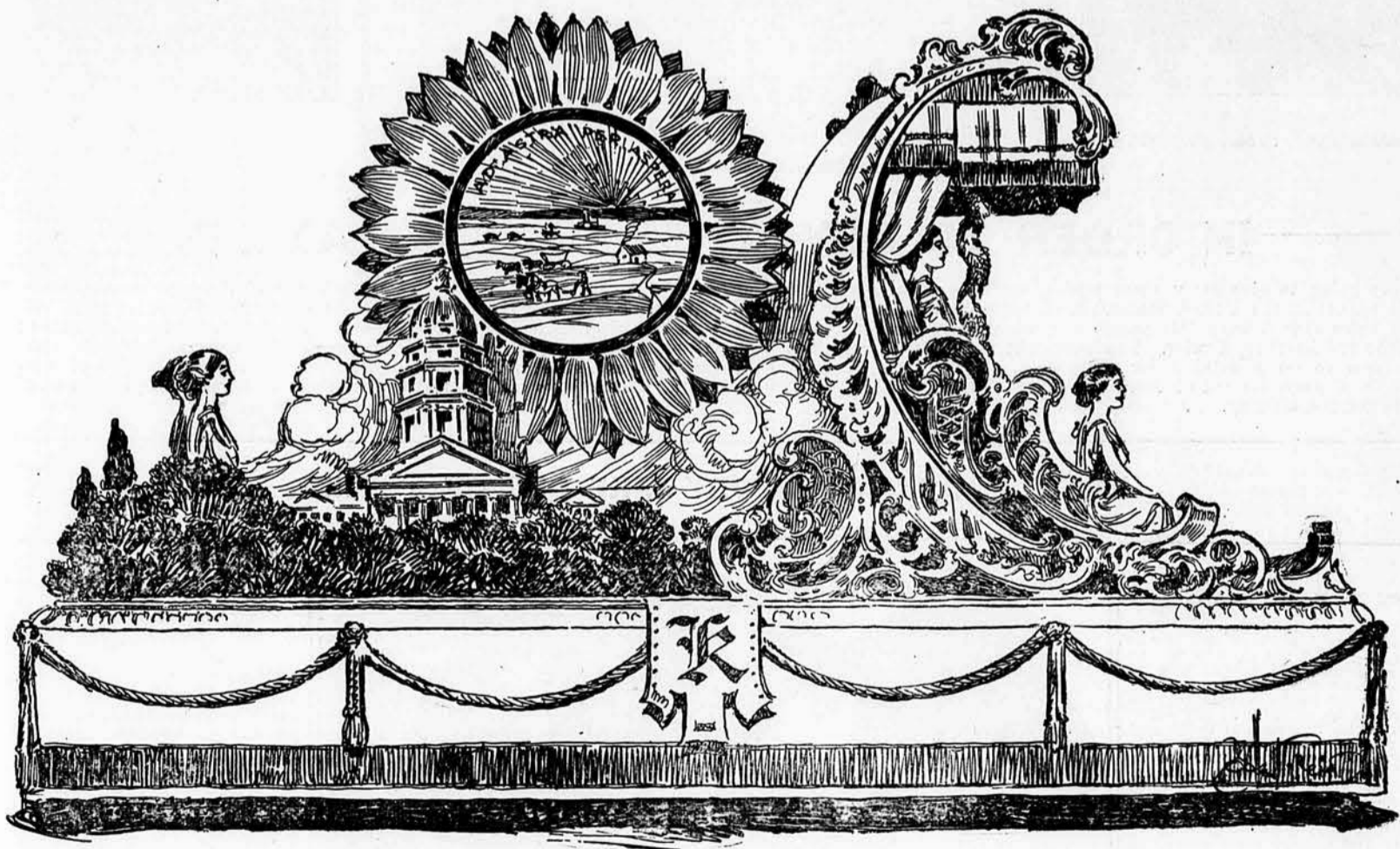
Established 1863. \$1 a Year

**A**S the man with the hoe established civilization, so the man with the plow extended its borders and made a boundary of the horizon.

As destiny turns another page of Kansas history, wrought in toil and bravery and high emprise, the man with the plow celebrates his achievements in the land which nature made fair and he made great.

Not only has he subdued the wilderness, planted his homestead in the desert and reared his family in the great spaces, but he has bent the forces of nature to his will, interpreted the parable of the sower and made each home acre bigger, till it not only holds the pot of gold but the rainbow of promise as well.

—I. D. G.



*The Great Seal of Kansas. One of the 15 floats designed and built by Albert T. Reid of Kansas Farmer to illustrate the development of the State in Topeka's Semi-Centennial Celebration, September 12, 1911.*

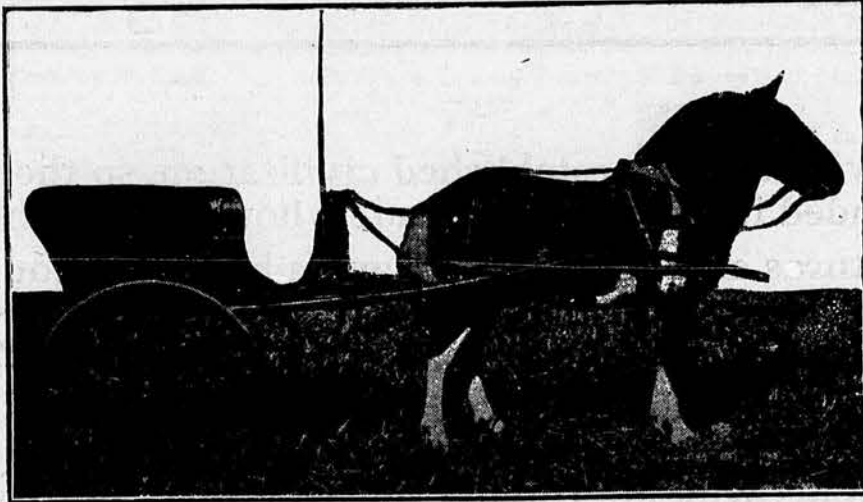
# THREE SHETLAND PONIES FREE

How would you like to have a beautiful Shetland Pony and outfit all for your own, and to get it without costing you a cent? If you would, be sure to read every word on this page. Any boy or girl can get one, and you have just as good an opportunity as anyone else. The KANSAS FARMER is one of the leading farm and home papers in the United States, and if you will write any bank in Topeka, Kan., they will tell you that we will do just exactly what we promise to do. We want you to know that we mean what we say when we tell you that we are going to give away, absolutely free, three beautiful Shetland Ponies, but they are to go only

## TO THE BOYS AND GIRLS LIVING IN KANSAS

### THE PRIZE PONIES

are little beauties. They are gentle and you can drive, ride or lead them anywhere you please. One of our ponies would sure make you a fine playmate, and they are so cute that, after you have had one a few days, you would not want to part with it for anything. Just the trick to ride or drive to school. Every boy and girl wants a Shetland pony because they are so useful, pretty and good. You can certainly have a happy time if you get one of these ponies and outfit. A Shetland pony always makes a fine pet, and they are so loving that they will follow you everywhere you go. But the ponies which we are going to give away are good to mind, and we are sure that the little master or mistress of one of them will think they have the best pony in the world. Be sure to send in your name at once, so you will have a good start to win one of these ponies.



**GRAND PRIZE.**  
Shetland Pony, Cart and Harness.

### THEIR OUTFITS

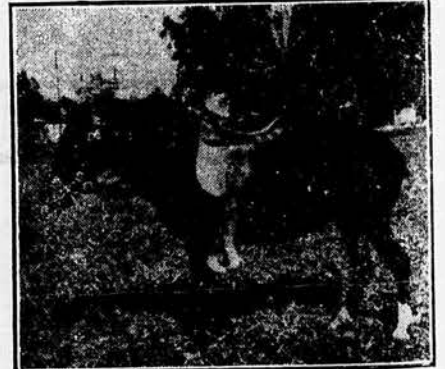
With the pony, which we will give as grand prizes in this contest, goes one of the nicest outfits that you ever saw, consisting of a cart and pretty black harness that are just dandy. All are made from the best material, and we have spared no time or money in getting this outfit so that it will be bound to please the boy or girl who gets it. The second prize pony has a saddle and bridle so nice that you will never get tired of using them. They will last a long time, and the boy or girl who wins this outfit will spend many happy hours in riding one of the finest ponies any child ever owned. The third prize pony has a saddle and bridle just as good as the second prize pony, only they are just a little smaller because this pony is not so big as the other ponies, but just as good and gentle. Some boys and girls might like a smaller pony better. All of the outfits are new, and we will send each with the pony to the winner without one cent of cost.

### HOW TO GET STARTED.

Begin by clipping out the coupon below, fill in the blanks plainly, and mail it today to the address below. We will then send you full particulars and help you get started. Be sure to mail us the coupon right away, so you will have an early start. You can send it in a letter or write on a post card.



**SECOND PRIZE.**  
Shetland Pony, Saddle and Bridle.



**THIRD PRIZE.**  
Shetland Pony, Saddle and Bridle.

### COUPON

**THE PONY BOY,** Care Kansas Farmer, Topeka, Kan., 625 Jackson Ave.  
I would like to become a contestant for one of the three ponies and outfits which you are offering to boys and girls living in Kansas. Please tell me how I can help you boost for Kansas Farmer.

Name..... Age.....

Postoffice....., Kan. R. F. D. No.....

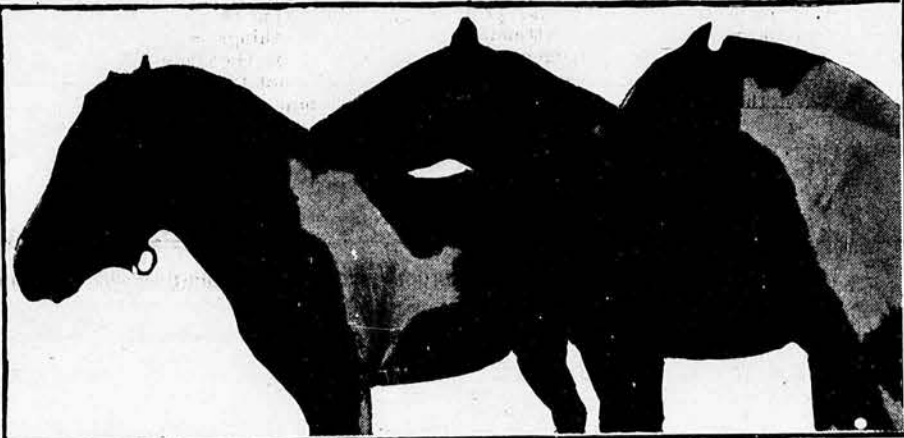
## IN ORDER TO ADVERTISE KANSAS FARMER

we are going to give away these ponies, outfits and numerous other prizes in this contest. KANSAS FARMER is one of the best weekly farm and home papers in the United States. Each week it is full of good reading of especial interest to those living in the country and on the farm. Every farm home should have this paper, and we want a number of hustling boys and girls to help us boost KANSAS FARMER. We are going to give all who are hustlers, a prize. The work will not be hard and all of your friends will help you, for everyone likes to help boys and girls who are ambitious to do something for themselves. The contest is limited to the boys and girls of Kansas only, and you have three chances of winning a Shetland pony, instead of one. You live in Kansas. So do we. We believe in Kansas boys and girls and want them to have these ponies and other prizes we are offering.

## DON'T YOU WANT A PONY LIKE ONE OF THESE?

### GET AN EARLY START

by sending in the coupon today. Our contest will be short, and it will not be long until the three beautiful Shetland ponies and outfits will be sent to their winners, with all express charges paid. You have just as good an opportunity as any other boy or girl. It does not make any difference in what part of Kansas you live, or how busy you are in school or with your work at home. We want busy boys and girls to help us boost KANSAS FARMER, and the busier you are the better it will be for you. Be sure to send in the coupon right away, so you can get an early start.



### NO EFFORTS WILL BE LOST.

Every contestant will be given a prize which will not only please, but be useful. Besides the three ponies and their outfits, we will offer a bicycle, gold watches, rifles, cameras, bracelets, fountain pens, knives, post cards, and numerous other articles which every boy and girl would be delighted to get. We will do this so that all of the contestants will receive something nice for their time and efforts. You can't lose. Try you best to win the grand prize and have a beautiful pony, cart and harness all for your own. You can do it. Send in your name at once. You never can tell what you can do until you try.

Address all Letters  
And Cards to

# THE PONY BOY

Care KANSAS FARMER  
TOPEKA, KAN.

# KANSAS FARMER

## EDITORIAL

### FARMING IN SCHOOL.

While apparently everybody was "for" the public sentiment favoring the teaching of agriculture in the public schools, and while the bill, drafted by State Superintendent Fairchild for this purpose, had no difficulty in passing the legislature and becoming a law our lawmakers thought wise to change its provisions in one particular, and in so doing have caused some confusion.

As originally written, this law was the same as it now stands, except that it allowed a year in which to get ready. Agriculture as a common school study is a new thing, though why it should be so is beyond explanation. Agriculture is the oldest human occupation and the present foundation of all prosperity, and just why mankind should have waited these thousands of years before teaching this one necessary occupation to their children, no one of them knows.

Being new as a school study time was necessary in which to prepare courses of study, text-books and the teachers themselves. While agriculture is a thing of daily familiarity with most Kansans, it is doubtful if many of them could succeed in teaching it. Nor is practical agriculture wanted in the public schools. Nature study and the principles which underlie the practice of agriculture and explain them, is needed, and to secure these the teacher must draw largely upon himself, as he now has no text-books and no experience in this line of teaching.

The effort will be worth while, however, as there is today no field of human endeavor where the prospects are so good or the rewards so great as those to be found in agriculture.

In the attempt to teach agriculture in the common schools of Kansas, there may lie two dangers, if not more. The teacher, through lack of knowledge, experience and text-books, may only succeed in driving away any interest which the student may have otherwise acquired, and thus defeat the very purpose for which this law was passed. On the other hand, his investigations may show these very opportunities to the teacher in a new and more fascinating light so that he will be tempted to leave the school for the farm. This would be to the individual advantage of the teacher, but to the detriment of the schools, and the schools must be maintained.

One teacher, a principal in a good sized town, coupled his teaching with practical work in his own garden, which consisted of 18 town lots. As his knowledge and interest grew he not only found that he was better able to teach, but that the profits from his little farm were about equal to his income as a teacher. It pays him in two ways to teach agriculture.

Upon the question of the emigration of farmers to the towns, State Superintendent Fairchild of Kansas has the best ideas that we have seen expressed. He finds that the prime reason for the farmer's desire to move to town is the lack of social advantages, and this he seeks to remedy in a most simple and satisfactory way. In speaking of this matter, he said:

"The schoolhouse should be the social center of the rural community, and we are going to try to make it such in Kansas."

"We believe the development of this social idea will do very much towards keeping the farmers and their sons and daughters on the farm. There is no sense in the country schoolhouses standing idle every evening in the year. There is no reason why these schoolhouses should not be open three or four nights each week."

This would certainly go a long way towards removing the objection that rural life possesses so few advantages.

The late grass and forage crops in Kansas are simply wonderful and there is a general scramble among the farmers to secure feeding cattle. This has served to raise the price of these cattle somewhat because of their general scarcity and the general demand in the southwest. Continuous grain farming is also teaching the farmers that live stock is necessary on the farm, not only in emergency periods such as this, but all the time. Counting the selling price of the animal, the produce in calves, manure and milk, there is rarely a time when money cannot be made on cattle and no long period when they are not profitable.

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.  
Edited by T. A. BORMAN and I. D. GRAHAM.  
CHICAGO OFFICE—First National Bank Bldg., Geo. W. Herbert, Manager.  
NEW YORK OFFICE—41 Park Row, Wallace C. Richardson, Inc., Manager.  
Entered at the Topeka, Kansas, postoffice as second class matter.

SUBSCRIPTION PRICE—\$1.00 per year; \$1.50 for two years; \$2.00 for three years. Special clubbing rates furnished upon application.

ADVERTISING RATES—25 cents per agate line—14 lines to the inch. No medical nor questionably worded advertising accepted. Forms close Monday noon.

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

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

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

KANSAS FARMER COMPANY, TOPEKA, KANSAS.

### FARM EMIGRATION.

Perhaps more than most states Kansas has suffered from the emigration of farmers to the towns, and that this has had a deleterious effect upon the welfare of the state, is generally believed. The farms have suffered by going into the hands of renters on short term leases; the towns have suffered by receiving a large accession to population of men who are not in active business, and the farmers themselves have suffered, in too many cases, by the sudden change from the active, strenuous, out-of-door life to which they have been accustomed, to that of the retired, business man with no active business interests beyond that of collecting his rentals.

At least these are the views and opinions held by men who have thoroughly studied this phase of American life and who cite many reasons for their belief. Whether these statements represent the facts in the case or not, the belief that they do is general, and many have been the attempts made to correct them.

It is undoubtedly true that the conditions of rural life can and should be improved, just as the conditions of town life can and should be improved; and much of such work can be done without any great cost, certainly with no great money cost in comparison with the benefits to be derived.

All such questions as have to do with rural life are properly the subjects of discussion and investigation by the National Conservation Congress, which meets in Kansas City during the last week of September. The officials announce, however, that special attention will be given to soils, and it may be that this subject will be the dominant one. Nothing that makes for the betterment of farm conditions will be excluded from the discussions in this meeting, but, as the time is limited, only those which are deemed of greatest importance by the officers may find a place on the programme. Of these the soil will be first.

The University of Kansas opened for its forty-sixth session on September 13. In every respect, the coming year promises the normal increase in attendance and it is expected 2500 students will enroll. The faculty has been enlarged and strengthened and the material equipment has been made more commodious by the erection of the east wing of the College and Administration building.

Aside from financial considerations, the growth of an orchard has a real value in the comfort and beauty which it adds to the homestead. A home without trees is a dreary place, where life must be lived in the raw. No parent has a right to deny his children the advantages of such beauty and comfort as may be within his reach. Trees and flowers give this beauty, and they may give added pleasure and profit if they are fruit trees.

But are the farmers really tired of trying to raise fruit, or is the present condition the result of too much alfalfa and no time to attend to trees?

### RURAL CHURCH AND SCHOOL.

In commenting upon an address delivered by a minister before a conference, in which it was stated that the highest type of ecclesiastical statesmanship would be required to save the country church, the Detroit Free Press thus delivers itself:

"Here is the situation as we see it. The country church is going into decay. Why? Because the farmers can't pay a preacher? No, for they used to keep up the church years ago when all were poor pioneers. So there must be another reason.

"The rural districts have developed and prospered and the thoughts, ambitions and beliefs of the country people have changed, but the preacher is just where he was twenty-five years ago. He has failed to keep pace with the times and the farmers have very quietly withdrawn from attendance upon rural services.

"But the gospel is the same yesterday, today and forever," you say. True, the gospel never changes, but the method of its application should change with the people. If the church ever survives or revives in the country it will be under the leadership of up-to-date ministers who have let go of old dogmas and creed-ism.

"We believe the rural school is in pretty much the same predicament. It is fifty years behind the times. The farmers are not too close to pay tuition fees to have their children schooled in town. They even move to town so as to get close to good schools and churches. That proves they want these things. But here we have a criticism of the farmers, for they should make the rural school and church what it should be. They should pay better salaries and equip better buildings. It would cost more than the out-of-date buildings and apprentice preachers.

"For years the farmers have through necessity lived close within their means. They are now in better circumstances and they should be willing to tax themselves more for better schools and churches. They can have just what they are willing to pay for. You can't get something for nothing, even if you believe 'Salvation is free.'"

If these things are true, then the remedy is in the farmers' own hands. If they are not true, then there are other reasons than those assigned.

No one questions the farmer's right or judgment when he seeks to better his condition. The real question is whether the farmer does better his condition when he rents his farm and moves to town. Of the effect of such a move upon the man himself much has been said and the matter is generally understood, but of the effect of a general migration of skilled, trained, useful business farmers away from the farms and the substitution of renters under the short term lease system so much in vogue less has been said, and it is this phase of the matter which interests these students of rural conditions. Such a condition as this exists in one of the best counties in Kansas, and that county is no longer the best.

### KANSAS HORTICULTURE.

This would seem to be an off year for Kansas apples, although it is better than some, in the percentage of yield. Secretary Wellhouse of the State Horticultural Society reports the prospective crop of apples at 24 per cent, as compared with 62 per cent last year.

The yield of pears for the two years is given as 27 per cent and 42 per cent, respectively. Peaches, 10 and 57, and grapes, 49 and 53, respectively. The secretary adds that the greatest falling off in the apple yield is to be found in the Third Congressional District, and that this is due to the weather conditions and the lack of proper care of the orchards. These facts give rise to two questions: Why should there ever be an off year in the yield of Kansas apples, and have the farmers of this state ceased to care for the apple crop? Some varieties of apples are said to bear only biennially, and yet we are told that, with proper methods of care and cultivation, this tendency may be overcome and these trees caused to bear every year. If this is true, then the question of an off year is well within the control of the farmer and orchardist. If it is not true in this climate, then other varieties may be substituted. Of course, such accidental conditions as late frosts are not under human control, but their damaging effects may be more or less mitigated by the use of smudge pots.

It would seem, from observation, that Kansas people have lost a part of their enthusiasm, if not their interest, in apple growing. Old orchards are apparently left without care and are rapidly dying out, while new ones are not being planted in such numbers as once characterized this state. One old-time orchardist even went so far as to say that there is no market here for fruit, and has not been for 20 years.

There would seem to be something wrong, and that Kansas farmers have either made up their minds to do without orchards as a source of revenue and home comfort or that their other farm products are so profitable that they can afford to buy such imported fruit as they need, rather than go to the trouble and expense of raising it.

The real facts are that the orchards of the state do not receive the care they should have. Other crops will not yield profitably without care, and why should the orchard be expected to do so? Horticulture is refined agriculture. Its methods, like its products, require more skill, knowledge and training than any other farm operations except live stock breeding. The market is here, and it is steady and good, and the possibilities in fruit growing have not yet been approached.

### FARM BEEF MAKING.

Another phase in western farm economy which is pressing for solution has to do with our future beef supply. The ranges are rapidly going out of business, for the double reason that the settlers have so encroached as to reduce the available area, and because the class of beef formerly produced on the range is no longer in demand.

In the present range country from 30 to 40 acres is required for the support of one steer, and it is stated that this same land will support at least 10 people when placed under cultivation.

These conditions force the production of beef upon the farms, and perhaps no more important subject for study is pressing upon the American farmer. Breeding and feeding market cattle may, and probably will not be conducted upon the extensive scale of former years, but each farmer will raise a small number which, in the aggregate, will satisfy all market requirements. And then there will come the necessity of breeding better animals, as these only will be profitable under farm conditions, and this, in turn, will mean a better quality of beef on the market.

Scientific methods of farming go hand in hand with scientific methods of stock breeding, and it is up to the farmer who has already adopted the former to adopt the latter, as well.

Poultry experts claim that the ordinary hen averages only eighty eggs per year, whereas she ought to lay at least one hundred and fifty. That is, she ought to lay twice as many eggs as she does now. The aim of the fancy poultry man has always been to increase egg production and he is succeeding to a great extent, for the two-hundred-egg a year hen is now no longer a rarity.

# THE KANSAS STATE FAIR

*A Wonderful Exhibition of Kansas Resources—A Successful Enterprise*



IMPERIAL VICTOR. FIRST PRIZE 2-YEAR-OLD SHORTHORN BULL. TOMSON BROS. DOVER, KANSAS.

Kansas has marked the fiftieth milestone of her history by holding the greatest exhibition of her many resources that was ever brought together within her borders. Crowds assembled from all parts of the state to attend her great State Fair and participate in the festivities incident to the celebration of the state's birthyear.

Although not the first big event of the week, the great pageant celebrating the Kansas Semi-Centennial, which was held on Tuesday evening, was one of the most important. This parade, which was more than a mile in length, marched down the length of Kansas avenue amid the blaze of electric lights from the newly installed "Great White Way."

The streets were thronged with the largest crowd of spectators ever assembled on this street, and, as the splendid floats representing the history and industry of Kansas, passed in series, the interest was intense and the enthusiasm unbounded. The gorgeous floats, which had been prepared under the direction of Kansas' best known artist, Mr. Albert T. Reid, were appropriately interspersed with the bands, society floats and military display, while each was occupied by a delegation of young ladies from some other Kansas town.

The historical floats included: "Indian Days," "Old Mill at Lawrence," "Westward Course of Civilization," "The Great Seal of Kansas," "Burning of Lawrence," "Grasshopper Days," "Prosperity Producers," "Cereals," "A Corner in Fairyland" and "The Court of Kansas."

At the State Fair grounds, the visitor was impressed at once by the immensity and stability of the improvements and the wealth of the displays in every department. In addition to the concrete cattle barn, with a capacity for 542 animals, there had been created during the summer a concrete horse barn, with a capacity for 300 animals; four swine barns, to hold 400 hogs, and a concrete Fine Arts building. These concrete structures are fire-proof and of the Spanish style of architecture. Other buildings had been erected and repaired, a beautiful stone gateway built and a splendid new fence placed about the grounds.

All this told of immense industry on the part of the county and fair officials, but the really big work showed within and about these buildings, where all accommodations were crowded to capacity.

Kansas, being an agricultural and live stock state, it is but natural to expect a good display in each of these departments, but the actual facts exceeded even the fondest hopes of the management. The great concrete cattle barn was filled before the gates were opened, and it became necessary to erect a tent for the accommodation of about 100 animals. Among these cattle were a number of herds from other states and many of the best from Kansas. The beef breeds have always been prominent in Kansas show rings, and those on exhibition here were more numerous and of even better quality than at any previous fair.

In the dairy cattle division, the display was the best and largest ever made in the state, and one of the best ever shown in any of the corn-belt fairs. Jerseys, Holsteins and Guernseys made the show, though the two first named predominated. In the dual purpose classes, the Brown Swiss and Red Polls were splendidly represented, while the Polled Durham exhibit was one of the

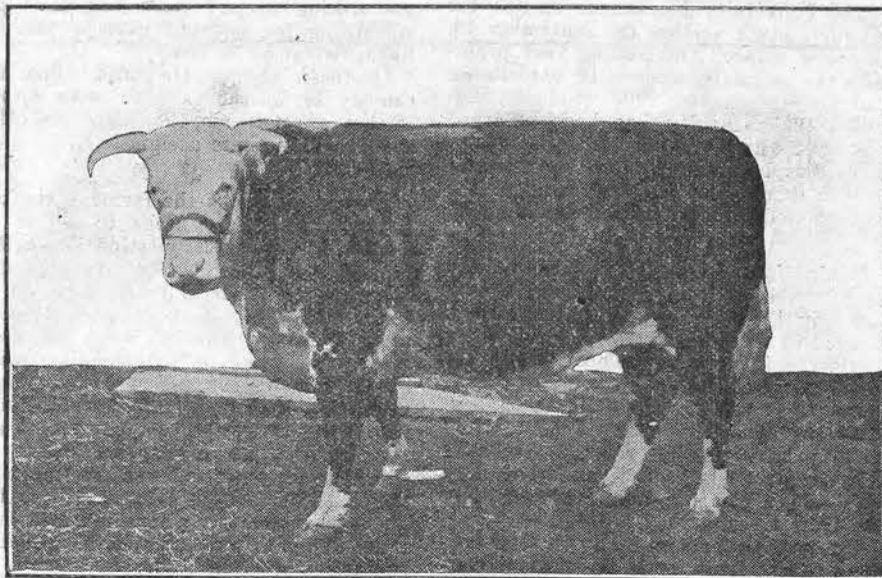
strongest, both in numbers and quality, the writer has ever seen in a long experience with big fairs. The cattle exhibit left nothing to be desired.

Adjacent to the cattle pavilion is the newly-erected horse barn, and this was found to be inadequate to care for the exhibit, and the overflow was housed in a tent. The Kansas farmer likes a Percheron, and this breed predominated in the horse exhibit. It is a matter of pride and satisfaction to know that among all this magnificent display, the Kansas horses were fully the equal of any. Belgians, Shires, German Coachers and Shetland ponies made up the balance of the exhibit. Altogether, the horse show was magnificent, and has hardly been exceeded by the American Royal.

In Kansas, the hog is among the most important of farm animals. He won fame as the mortgage lifter, and now that the days of the mortgage are passed, the hog is the automobile buyer. In popular interest, he is second to no other, and the new hog barns were not only filled beyond their capacity, but were the center of interested crowds at all times. A portion of the sheep barn had to be appropriated to the use of the hog, and the contest for honors was a keen one. Naturally, the lard type of hog was the most numerous and was represented by Berkshires, Poland Chinas, O. I. C.'s and Duroc Jerseys, with equal interest to the average visitor, but because of their characteristic markings and unaccustomed type, the Hampshires attracted a great deal of attention. They were the only bacon type hogs on exhibition, and they are becoming very popular.

Although September is not thought to be the best month in which to exhibit poultry, the Kansas fair showed about 2,500 birds, which was said to constitute the largest poultry show ever held in the state. While many of the winnings were made by out-of-state people, the Kansas birds were able to hold their own for quality.

Up in the "big building," as the old exposition hall was called before the erection of the new concrete palaces, there awaited a surprise for those who thought the season had rendered a creditable exhibit of agricultural and horticultural exhibits impossible. Not only was every inch of space occupied, but the exhibits were of a very high



BANZA, FIRST PRIZE 2-YEAR-OLD HEREFORD HEIFER. ROBERT H. HAZLETT, EL DORADO, KANSAS.

character. The county collective exhibits were, of course, the first to attract attention, because of their size and diversity, but the individual exhibits were of very high quality and the subject of keen interest and study by the visitors. Among these exhibits perhaps none attracted greater interest or was deserving of higher commendation than that made by the Shawnee Alfalfa Club. Here was shown Kansas' most famous crop in all stages of growth, the enormous yield of seed which characterized this season, and the threshed seed, with statements as to the yield per acre.

In this building was also located the Agricultural College exhibit for all those departments which did not show live stock. This year the college has made up a number of these exhibits for display at the larger fairs, and work in crop growing, seed preservation, veterinary methods, and numerous photographs and statistics showing the results of instruction and experimentation at both the College and Experiment Station were on display. Adjacent to this display, and a part of it, was the model kitchen mentioned elsewhere.

Beyond the Agricultural hall stood the sheep barn, which was well filled with animals of eight different breeds, besides the Angoras. Kansas is not so prominent as a sheep producing state as she once was, and the reason for this is hard to determine. Nowhere is feed so cheap and plentiful, and nowhere is there a better market, and it is the hope of these exhibitors that their own successes may incite others to do likewise.

Kansas people love the beautiful, and satisfaction awaited him who visited the splendid new Fine Arts building, where the display of art work and home beautifiers exceeded anything ever before attempted in this line at a fair. With assurance of safety for their exhibits from both weather conditions and disturbing hands, which was afforded by the new building, the ladies fairly outdid themselves in bringing together this display.

The sacred concert by a famous band, which was held on Sunday, was an innovation much appreciated. The amusement features were not neglected by any means, and those who would mingle pleasure with the more serious study of the exhibits found splendid talent on the race course and clean shows and entertainments on the Midway.

As a very real and comprehensive exposition of Kansas' resources, the Kansas State Fair is an accomplished fact, but it has been brought into existence solely by the enterprise and untiring efforts of private citizens. As a permanent state fair that is supported or endowed by the state, the Kansas State Fair is yet to be. The greater mead of praise is, therefore, due to the men who have made, out of their own means and minds, such a fair possible.

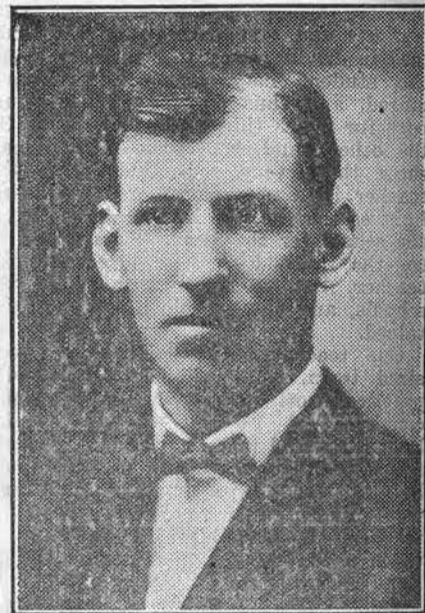
#### State Fair Notes.

J. C. Robison, owner of the White-water Falls Percherons at Towanda, Kan., was very much in evidence with a splendid string of 22 horses. As these are mostly the get of Casino, the interest was greatly increased. Kansas Percherons are good enough.

Of course, the fair association cannot do everything at once, though they were pretty nearly compelled to try. They worked wonders and will do more. If a few loads of cinders could be placed to the east of the cattle barn, where the animals are washed, it would be a big help.

The crowds were large and the attractions numerous, but there was no disorder. Everybody was out for a good time and to learn lessons from the exhibits, and everybody was good natured. In fact, nothing else was to be expected from a Kansas crowd.

The new concrete building containing the exhibits in the ladies' departments was the center of attractions. In addition to the ladies themselves, there were many other beautiful things to look at, and even the men were attracted by these displays.



T. A. BORMAN, President Kansas State Fair.

Those who are interested in racing, and they number thousands, had the satisfaction of seeing a world's record and a state record broken by one horse in the Kansas Derby. Jack Witt made the mile on a half-mile track in 1:41 flat, thus beating the world's record of 1:41 1/4.

A big lot of enthusiasm was created by the Burlingame Boys' band. This is a large band, composed of very small boys, and, while their legs were too short for them to keep step in the procession, they were long on music, and it was real music, too.

Many comforts and conveniences have been added to the fair grounds, and among these perhaps none are more highly appreciated by the ladies than the numerous rest rooms. The management wants visitors to come because it is worth while, but it also wants them to be comfortable and go away feeling good.

Prof. Dyche's fish hatchery car attracted a big lot of attention, and it is hoped that a permanent building may be erected for the display of our water fauna. Nothing attracts more attention at the Nebraska fair than the display of the fish and Game department in its own building.

N. A. Gwin of Lawrence showed about a dozen head of Angoras, which attracted their full share of attention.

# KANSAS SEMI-CENTENNIAL

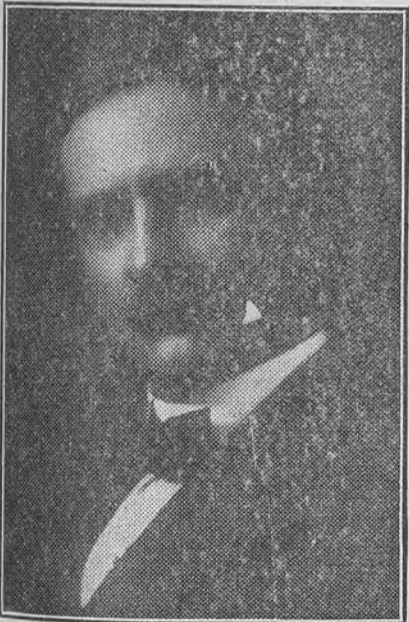
*Semi-Centennial Celebration of Kansas Admission to the Union of States*

The amusement features at the fair were far above the average in quality. There were no disreputable shows, no gambling devices and no liquor on the grounds. The grounds were policed by a company of the National Guards, and the work was well done:

The admirable way in which the street car company handled the crowds was the subject of many compliments from both visitors and citizens. Few towns the size of Topeka have a better equipped or better managed street car system, and this week's work has only added to the laurels of Manager Albert Patten.

Poultry from nine different states made up the poultry show of about 2,500 birds. This is said to have been the largest poultry show ever held in Kansas.

Achenbaugh Bros. of Washington, Kan., are among the oldest breeders of Polled Durhams in the west. This was their first exhibition in Topeka for a long time, and they walked away with first prize on The Baron, their herd bull; first on the senior bull calf; first on junior heifer, and first on produce of dam. Some cattle, those.



H. L. COOK,  
Secretary Kansas State Fair.

A part of the Agricultural College exhibit consisted of eight pens of hogs which had been fed experimentally. The experiments varied from corn alone in a dry lot, to corn on alfalfa pasture, corn with cut alfalfa and other combinations of feeds to the best ration which was composed of corn 62 pounds, tankage 8 pounds, shorts 30 pounds, fed on alfalfa pasture. The hogs receiving this ration made a gain of .64 pounds per day, at a cost of \$1.71 per hundred pounds of gain. The hogs on corn alone in a dry lot gained at a cost of about \$3.50 per 100 pounds of gain. Such an exhibit as this is worth much to the man who studies it.

The Agricultural College had a very complete exhibit in the big hall, but perhaps no part of it received the attention given to the model farm kitchen. There was nothing elaborate or expensive about the equipment of this kitchen, but it contained a complete equipment of such articles as are necessary in the farm kitchen, and the verbal instruction, given by Miss Brown, served to double the value of the exhibit.

D. C. Van Nice of Richland showed a splendid herd of Polled Durhams, and got well into the money, though he showed in the hottest competition ever shown in a Kansas fair. His herd bull, Roan Hero, lately bought from C. J. Woods, has been a champion so long that he has the habit. He was grand champion here.

Robert H. Hazlett of El Dorado has been making the Grand Circuit this year with a string of his Hazford Herefords, and holding high the banner of Kansas. He was a handsome winner at Lincoln and Des Moines, while at Topeka he won eight first prizes, besides a senior, a junior and a grand championship.

C. J. Woods of Chiles, Kan., was a heavy winner with his Polled Durhams. Every one of his prize winners were the get of his great champion bull, Roan Hero, whom he lately sold to D. C. Van Nice of Richland. His new bull, Roan Choice, is a corker.

J. G. Arbuthnot of Cuba, Kan., who made a reputation by marketing \$14,000 worth of hogs a year from his Republic county farm, showed two young Percheron stallions that were good enough to get into the money. Mr. Arbuthnot is a graduate of K. S. A. C. That's why.

Five hundred fifty cattle, 300 horses, 500 hogs, a fine show of sheep, Angoras and poultry, made up the live stock exhibit. As these were of the best of their several kinds, that was some show.

C. W. Lamer of Salina was one of the largest exhibitors of Percherons from Kansas. His 14 head of both mares and stallions attracted their full share of attention, and were worthy of it. Kansas alfalfa makes good horses.

The county collective exhibits in Agricultural Hall were not so numerous as had been hoped for, but they were "dandies." Many people were doubtless discouraged from making exhibits of farm products because of the bad season, but those who saw the fair this year realized that Kansas is still good for a few more square meals.

The art work at the fair is of exceptional merit. Kansas has artists in various walks in life, but in no place does she excel more than in the fine arts, examples of which were shown in paintings, drawings, china decoration, needlework and embroidery, shown in Fine Arts building.

The government exhibit in the Arts building was well worth seeing, especially the model of the battleship "Connecticut," which is a complete reproduction of the flagship of the Atlantic fleet. It measures 150 inches long, and cost about \$6,000.

#### Notes of Fair.

The John Deere Plow Co. had the largest single machinery exhibit. It was in charge of A. L. A. Spetter. The sales manager from Kansas City, T. H. McDearmon was on hand and was kept busy answering questions which he knew how to do. In the Velie Automobile Department, H. C. Wylie was at home. In the big tent, where Stover and New-Way engines were running Marseilles corn shellers, wagon dumps and portable elevators, Ann Arbor and Dain hay presses, Success manure spreaders, power washing machines



WAKARUSA HEATHERTON, JUNIOR CHAMPION ABERDEEN-ANGUS BULL. SUTTON FARMS, LAWRENCE, KANSAS.

and Simplex cream separators, T. H. Chandler was much in evidence. A Smalley ensilage cutter was shown filling a real King corn silo and right beside were the Vant Brunt grain drills. Velie buggies, tastefully decorated were in fine array. The Davenport steel wagon and the Fort Smith wagon were no small part of the attraction, particularly the Davenport steel wheel carrying 10,000 pounds of pig iron. Of course, Deere plows were prominent, in many styles and sizes. It was a creditable display, well conducted and enjoyed large crowds every day.

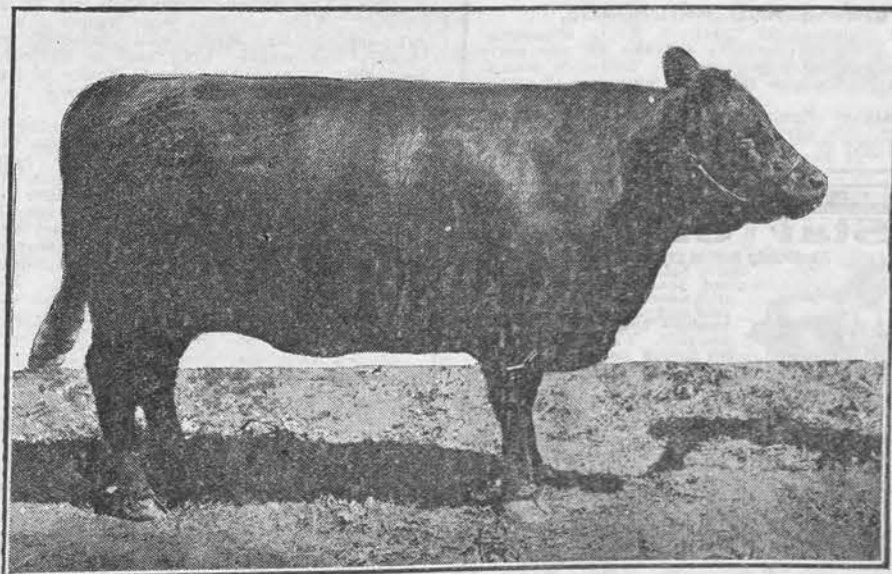
"The smallest electric light plant in the world" was on a sign at the exhibit of the Olds Gas Power Co., of Kansas City. And it looked it, too. A man could easily carry the whole thing in his hands. It showed some fine mechanical art, as, indeed, did the whole display. Part of the exhibit was the lighting plant to light up at night. A couple of hundred lights were run from a dynamo operated by an Olds Kerosene Engine. This was a fine test of the engine's smooth running qualities. Another 25-light system was also shown. A big Valk rotary pump driven by another Olds engine was throwing a steady stream of water, 650 gallons per minute, day and night. It certainly showed how to get water for irrigation or drainage. H. H. Russell, general field manager, from Lansing, Mich., was present, and spared neither pains, time nor good will in explaining the merits of Olds Engines and allied lines.

Side by side stood the exhibits of tractors. W. S. Frederickson, of Kansas City, for the M. Rumely Co., had two oil-pulls, burning kerosene, one driving a large Rumely grain separator, and the other pulling a Rumely clover huller. One of these engines was a 15 h. p. tractor, and the other a 30 h. p. They worked as smoothly as could be desired. Sharing equal attention with this exhibit was that of the Minneapolis Threshing Machine Co. Here, also, were two tractors, using gasoline, a 15 h. p. and a 30 h. p. H. P. Peterson from Kansas City had charge of this exhibit and painstakingly showed the working of the engines to all inquirers, of whom there were a great many every day.

L. A. Hinds and J. H. Lay, for the Manson-Campbell Co., were kept busy showing the merits of the Chatham grain grader and fanning mills. They made a large number of sales, proving that farmers are interested in having up-to-date machines of this class.

The exhibit of Lukens Bros. of North Topeka, showed to good advantage the Bovee horizontal furnace, as well as the Hero cast iron furnace. A good business was reported at this tent and the crowds that stopped to look it over, indicated that such was the case.

A man running a gas flat iron, and another a vacuum carpet cleaner were two of the first things to be seen in the exhibit of the Capital Hardware Co., of Topeka. The Keen Kutter goods shown here were distinctly noticeable, as also were the stove, refrigerator and tinware exhibits. It was a hardware store on a holiday and had big crowds of visitors daily.



MARQUIS. FIRST PRIZE 2-YEAR-OLD GALLOWAY BULL. STRAUB BROS. AVOCA, IOWA.

The Ballor two-row cultivator had thousands of admirers. It was well explained by J. E. Christian and Mr. Jones, the general manager of the company making it. A remark commonly overheard was, "I didn't know a two-row cultivator could be so thoroughly controlled while at work."

F. W. Mills, of the Overland Auto Co., Topeka, had quite a time refusing checks for a 1912 model Overland that he had for exhibition. The factory, he said, was overworked in getting out the new models, but that these were now beginning to come along in greater numbers.

Charles Collins, in charge of the Kansas territory for the Vermont Farm Machine Co., had two U. S. cream separators hooked up to a small electric motor. A glass paneled separator showed the gearing and the oiling system to excellent advantage. Mr. Collins, together with L. C. Larson from Kansas City, were kept busy by the crowds who came to ask about the U. S. and its merits.

A large amount of "stage money" was handed out by N. J. Fuller and B. M. Ross to advertise the Unadilla Silo. They had a real silo built to show all about it and lost no chance to explain why it was the one to buy.

Yale Motorcycles and Iver-Johnson Bicycles were shown by the J. C. Harding Co., of Topeka. A steep incline was built and the hill climbing power of the Yale was adequately shown.

The Ford Motor Car and the Grabowski Motor Truck were exhibited by E. G. Kinley, Topeka, agent for both.

The showing made by the gasoline engines in the tent of the Root & Van Der Voort Engineering Co., East Moline, Ill., took the eyes of every one who went by. H. M. Cochran of the Kansas City branch, had mighty little chance for recreation at any time during the week.

Fine interest was shown by many thousands in the building built and finished by the U. S. Gypsum Co., of Chicago. The Chicago Lumber Co., of Topeka, had the exhibit in charge.

One of the most useful things for farmers shown in the machinery section was the Topeka Packer, exhibited by the United Mercantile Co., of Topeka. It did not lack for attention.

The line of Newton Grain Graders, Gasoline Engines and Washing Machines, shown by the Bergman Mfg. Co., of Newton, Ia., made an interesting exhibit. Ed Kelley, traveling representative for Kansas, had this display in charge and rendered his company effective service.

Topeka as a windmill manufacturing center, was represented by the exhibits of the Currie Windmill Co., and that of the Clipper Windmill and Pump Co. Both of these showed mills in operation and served to convince a large number of farmers that Topeka made windmills and good ones to buy.

Another Topeka exhibit that made some "noise" was that of the Road Supply and Metal Company. Corrugated sheet iron culverts, road drags and graders were here examined every day by throngs of interested persons.

The Continental Creamery Co., of Topeka, had two imposing exhibits. One was the famous hinge-door silo built in actual size in the machinery section, and the other was the Meadow Gold butter exhibit in the agricultural building. Both displays had fine attention and interest among the daily crowds.

The \$1,000 ears of corn shown by the Kellogg Toasted Corn Flake Co., of Battle Creek, Mich., was a point of intense interest by city folks and farmers alike. A corn expert was kept busy lecturing on seed selection. This display was educative on two sides—the food side and the production of the grain for the food. It was worth while every minute of the week to the big crowds.

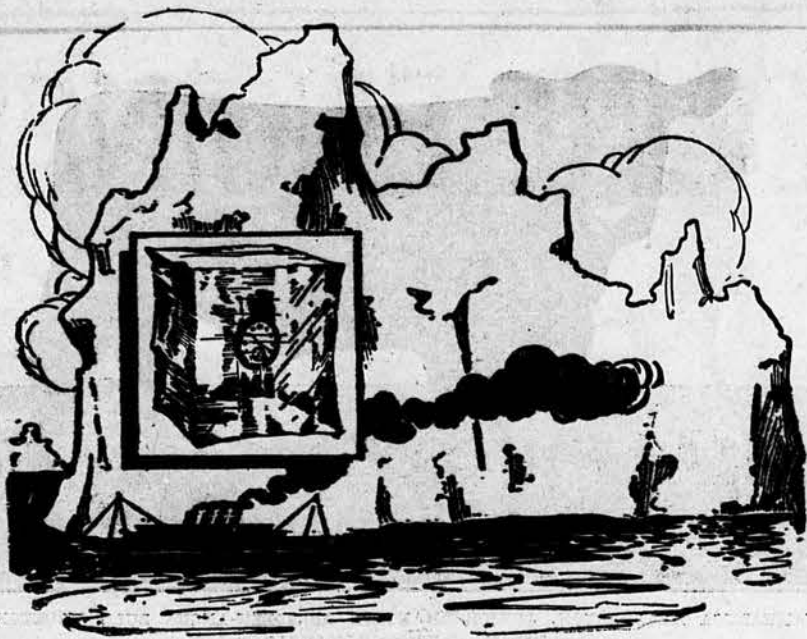
The Blue Valley Creamery Co., of St. Joseph, Mo., had a good display in the agricultural building. Blue Valley butter was well advertised as also were the advantages of dealing with the company that makes it.

Kratzer vehicles were shown in a good line by W. F. Harsh, salesman out of Topeka. He had plenty to say for his goods, and didn't lack for interested listeners.

(Continued on page 6.)

# The Kansas State Fair

Continued From Page Five



## If It Keeps Time Frozen in Ice— It Will Keep Perfect Time in Your Pocket!

**Y**OU'VE heard of the watch that keeps perfect time even when frozen solid in a cake of ice. It's the South Bend Watch, and it actually does keep perfect time. Thousands of jewelers have proved this by showing it in their windows. Now, you won't want to freeze a watch in ice, of course, but you'd like a watch that's made so accurate that it will keep time under such conditions.

Every adjusted South Bend Watch is tested and made to run accurately in freezing and in boiling temperature before it is allowed to leave the South Bend factory. If it does that we know it will run accurately in your pocket, and thus give you perfect satisfaction. Wouldn't you figure the same way? The best advertisement we've got is these thousands of perfect running watches in the hands of users. Don't you want one of them?

There's an expert jeweler in your neighborhood who sells the South Bend Watch. He can regulate it to your personality, something a mail order concern can't do with a watch.

That "personal adjustment" to your personality is absolutely necessary, because good watches run differently for different people. If you walk much, ride a great deal in motor cars or jolting farm wagons, move quickly, etc., your watch is affected and should be regulated to offset the general conditions under which you carry a watch.

Only a good jeweler can do this, and it can be done only with a good watch, for common watches are not sensitive enough for such delicate regulation—hence, seldom keep time for anybody.

### "South Bend" Watch The Master Timepiece

Write for the free book, "How Good Watches Are Made." It tells a lot about watches that is vital to know before buying any watch. It proves that the South Bend Watch is the Master Timepiece. Send a postal for it now, while you're thinking about it.

You can get a South Bend Watch in a solid gold case for \$75, or in gold-filled and other metal cases at reasonably low prices.

THE SOUTH BEND WATCH COMPANY, Dept. 196 South Bend, Ind.

# "WANTED TEN" MEN

**IN EVERY TOWNSHIP in this COUNTRY TO GET MY NEW SPECIAL PROPOSITION**

**"YES, SIR!"** I have made up my mind to place 10 Galloway Engines in every township in the United States. I have a proposition to make you that knocks the bottom out of the lowest engine prices you ever heard of. This special offer has taken the wind out of the sails of every engine manufacturer in the country—they're dumbfounded. I am actually going to make you a proposition that is as good as a gift of \$25 to \$300, according to size you want. Think of that. Write today and get full information on the Greatest Engine Offer ever made. I will stake every dollar of my own and the company's capital and reputation on the quality of these engines. Send me your name and address now and I'll send you a proposition that will certainly open your eyes. Be on the safe side and write me now.

There isn't a better engine made at any price—no higher quality possible—no better engine possible.

**Wm. Galloway Co.**  
Wm. Galloway, Pres.  
385 Galloway Station  
Waterloo, Iowa

**30 Days' Free Trial**

### KANSAS WESLEYAN BUSINESS COLLEGE

THE EFFICIENT SCHOOL FOR BANKS AND RAILROADS.

Furnishes more Bankers, Civil Service help, Commercial Teachers, R. R. Stenographers, and Telegraphers, than any other school. U. P. contracts to take all our male operators, and allow salary while learning. We guarantee position for complete course or refund tuition. Twenty instructors, eighteen rooms, one thousand students. TERMS REASONABLE.

**NEW FEATURES—**Farm Accounting, McCaskey Register, Wireless Telegraphy. Write for catalog and Free Tuition Prize Offer. No agents out to get you to sign up. Address, T. W. ROACH, Pres. 201 S. Santa Fe, Salina, Kansas.

### BARGAIN IN WHITE ROCK COCKERELS.

I have a few exceptionally fine White Plymouth Rock cockerels, hatched in May. Some of these birds will develop into prize winners, worth from \$15.00 to \$50.00. Owing to limited room I will ship one of these cockerels to any address desired for only \$3.00. If not satisfactory will refund money without question. References German American State Bank, Topeka, Kansas. Address **J. E. SPALDING,** 334 Laurel Ave., Topeka, Kan.

### Star Grinders

Absolutely fastest grinders made. Farm stock thrive better on ground feed—grind your own stuff and grind with a Star. Send your neighbor's feed and earn big money. Every machine built right—guaranteed one year. We are making special low prices just now—write today and we'll send you booklet and quotations.

**SWEEPER**  
The Star Manufacturing Co., 25 Depot Street, New Lexington, Ohio.

### HONEY

Calif. sage honey, freight paid, per lb—Light Amber, 10c; White, 11c; Water White, 12c. Will ship allowing inspection before payment. Large sample, 10c. Honey leaflet free. Spencer Apiaries Co., Box 47, Nordhoff, Cal.

A cream separator with a gasoline engine built in as a part of the machine was shown by the Standard Separator Co., of Milwaukee Wis. The engine is so arranged that the cream separator is driven automatically when desired and set to driving other light machinery when the separator is not desired to be run. This gearless and crankless separator made many friends during the week.

House lighting by acetylene gas was well shown in the display of the Wichita Acetylene Mfg. Co., Wichita, Kan. The safety of the plant and the excellence and economy of the light were well demonstrated. Good attendance kept up good interest in this exhibit every day and evening.

A real "Lovers' Lane" was built to show the merits of American Steel and Wire Co. fencing and steel posts. There was no limit to the good will and hospitality dispensed at this display by R. M. Cottrell, of Chicago. He was busy all the time and seemed born to the manner of an effective exhibitor.

P. B. Day, sales manager, Great Western Automobile company, Peru, Ind., had several Great Westerns displayed to good advantage. He had plenty of chance to make hay, and was on the job all the time.

The No-Sag gate exhibit, in charge of H. G. Hoops of Superior, Neb., was well placed near the hog barns, as was also that of the Adams Gate company of Topeka. Here was excellent opportunity to prove the meaning of good gates, and neither of these exhibitors were asleep.

The old stand-by in the cream separator world, the De Laval, was in good evidence. C. E. Bair of Topeka was in charge and was chock full of reasons why it would

W. E. Derwent, for the Kalamazoo-Direct-to-You Stove company, Kalamazoo, Mich., had a fine showing of stoves and ranges. The whole exhibit was given away at the close of the fair through a drawing, which was conducted for advertising purposes.

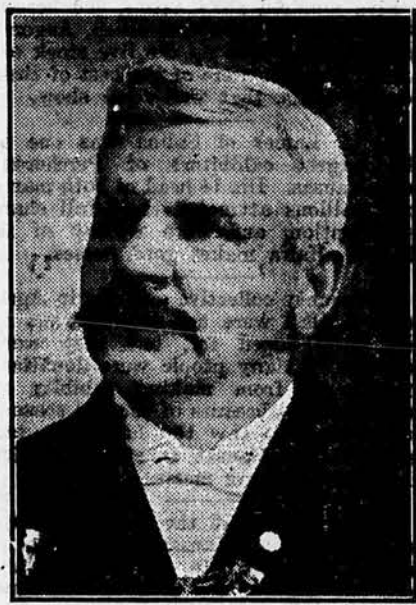
The three girls making market baskets showed their proficiency to big crowds every day, at the exhibit of the Kaw Valley Package Manufacturing company, in the Agricultural building. The skill and rapidity with which the girls worked was a revelation to many who had never seen basket making done before.

The Kansas State Agricultural college had a large exhibit at the east end of the Agricultural building. Prof. J. H. Miller was forced to keep up a continuous lecture, and seemed to be at home at the task. It was a great advertisement of many of the things the college is doing and has done. It helped to make many good Kansans more proud of good old K. S. A. C.

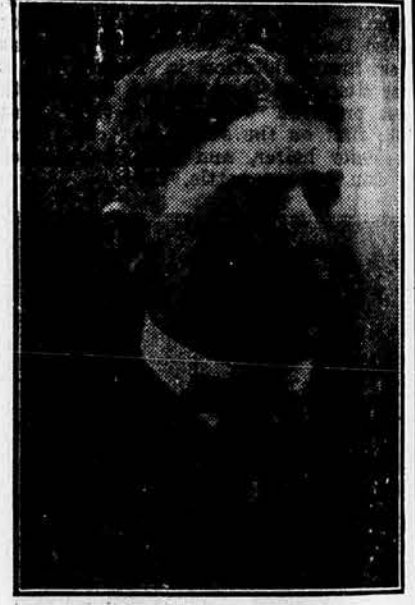
### THE AWARDS

**Percherons.**  
Exhibitors—J. C. Robinson, Towanda, Kan.; Watson, Woods Brothers & Kelly, Lincoln, Neb.; C. W. Lamer, Salina, Kan.; Percheron Importing Company, South St. Joseph, Mo.; W. S. Corsa, Whitehall, Ill.; Ithea Bros., Arlington, Neb.; W. T. Deane, North Topeka, Kan.; Hoyt Horse Company, Hoyt, Kan.; W. E. Dustin, Topeka, Kan.; Gilchrist & Hogard, Topeka, Kan.; J. F. Crandall, Barnes, Kan.; J. G. Arbutnot, Cuba, Kan.; John A. Peck, Tecumseh, Kan.

Judge—J. H. Huston, Blandinsville, Ill.  
Aged Stallions—1, Watson, Woods Bros. & Kelly on Gervias; 2, Robinson on Glacia; 3, Percheron Importing Company on Dandy;



H. W. McAfee, Superintendent Agricultural Department.



Bert Lee, Superintendent Draft Horse Department.

pay best to buy the De Laval. He was, however, gentlemanly at all times and was doing the square thing for his company, himself and by his competitors.

J. A. Dart and N. S. Landis were present with the display of the Farmer's Handy Wagon company, showing the merits of the Saginaw silo. These gentlemen were somewhat handicapped by the failure of the railroad to deliver a silo in time to put it up on the grounds during the week. Nevertheless time did not drag heavily with them at any time. They deserved good attention, and got it.

Rehkopf Brothers of Topeka had a large tent full of buggies and road wagons. They had a fine line of their own hand-made vehicles, such as they have been making in Topeka for 20 years. Besides, they showed other lines for which they are agents—Moon Brothers, St. Louis; La Porte Carriage Co., La Porte, Ind., and Bles Buggy, Macon, Mo.

The cylindrical hay bales turned out by the Luebben Baler, received a lot of attention. This machine was run by a 4-cylinder gasoline motor built into the machine. The whole thing ran as smoothly as a fine automobile. E. A. Pauly of Sutton, Neb., was the man in charge.

At the test of the Sandwich Manufacturing company there was always something doing. Here was the famous line of Sandwich shellers and hay presses. Also, feed grinders. The Chanticleer gasoline engines were furnishing power to run the various machines in operation. Bert Stafford, M. Bartholomew and S. Northway did the necessary talking for the Sandwich Manufacturing company, while Herb Briggs was there for the Jacob Halsey company, manufacturers of the Chanticleer engines.

4, Hoyt Horse Company on Hoehner. Three years and under 4—1, Percheron Importing Company on Incline; 2, Lamer on Techor; 3, Lamer on Ilmen; 4, Robinson on Blandon. Two years and under 3—1, Watson, Woods Bros. & Kelly on Jars; 2, Arbutnot on Ladd; 3, Robinson on Juillot; 4, Rhea on Albanica. Yearling Stallion—1, Lamer on Cabin; 2, Robinson on Isadore; 3, Robinson on Morton. Stallion foal—1, Cradall on Jayhawker. Aged Mares—1, Robinson on Ruth; 2, Corsa on Huchepie; 3, Corsa on Della; 4, Lamer on Gerline. Three years and under 4—1, Corsa on Venette; 2, Robinson on Viola; 3, Robinson on Pansy. Two years old—1, Robinson on Poule; 2, Robinson on Hypatic; 3, Robinson on Janedare; 4, Corsa on Raldonette 2d. Yearling—1, Robinson on Koala; 2, Pence on Gladdis. Mare Foal—1, Pence on Ruth. Mare with foal at side—1, Jurgens on Sarah and foal; 2, Pence on Pearl and foal. Champion Mare—Robinson on Ruth. Best three mares—1, Corsa; 2, Robinson; 3, Pence.

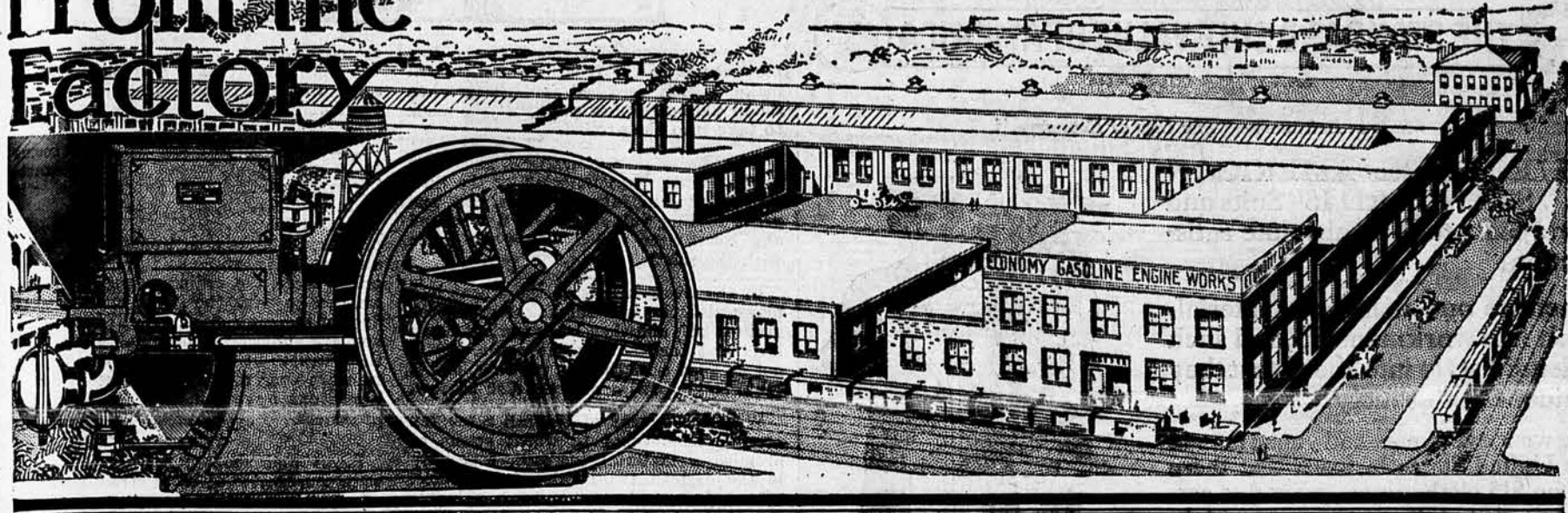
**Percheron Specials.**  
Champion Stallion, Any Age, Bred and Owned by Exhibitor—1, Arbutnot on Rowdy Boy; 2, Arbutnot on Ladd.  
Best Mare, Any Age, Bred and Owned by Exhibitor—1 and 2, Robinson on Ruth and Poule; 3, Corsa on Radonette 2d.  
Four Animals, Either Sex, Bred and Owned by Exhibitor—1, Robinson; 2, Corsa; 3, Pence.  
Best Three Mares, Bred and Owned by Exhibitor—1, Robinson; 2, Pence.  
Best Four Animals, Get of One Sire, Bred and Owned by Exhibitor—1, Robinson; 2, Corsa.  
Best Two Animals, Either Sex, Product of One Mare, Bred and Owned by Exhibitor—1, Robinson; 2, Pence.  
Champion Stallion and Four Mares, Bred and Owned by Exhibitor—Robinson.  
Best Five Stallions, Any Age, Owned by Exhibitor—1, Robinson; 2, Pence; 3, Lamer; 4, Robinson; 5, Corsa.  
(Continued on page 15.)

### "EIGHTY ACRES AND A HOME."

Kansas Farmer's relief map of the ideal 80-acre farm, as described in the prize letters received in our recent contest, was built for exhibition at the big fairs. Because of the heavy rainfall and a leaky roof on the building where the map was constructed, it was practically destroyed. As it was of large size and built at a considerable expense of time and labor, the loss is important and will compel its entire reconstruction, in time for the fairs, we hope.

# ECONOMY GASOLINE ENGINES

## From the Factory



### Cheapest to Travel the Shortest Road

This advertisement pictures a great fact better than words can tell it. The way we sell Economy Gasoline Engines is the shortest road from the factory to the farm. It is the best selling method for us and the cheapest buying method for you. It's the right way to save money. Get that important fact fixed in your mind, but do not overlook this bigger and still more important point.

### Ready to Ship

1½-Horse Power	\$29 <sup>95</sup>
2-Horse Power	\$42 <sup>95</sup>
4-Horse Power	\$74 <sup>75</sup>
6-Horse Power	\$104 <sup>45</sup>
8-Horse Power	\$168 <sup>95</sup>
10-Horse Power	\$243 <sup>45</sup>

We are not merely advertising the Economy Engines, we are selling them. Before we began this advertising campaign, we started a manufacturing campaign. We have engines ready to ship the very day your order reaches the factory—all sizes—all styles, including the style and size you want, waiting ready to be loaded into the freight car the moment you say the word. If you know what your engine needs are, if you have made up your mind what horse power you require, **don't lose a moment** writing for catalogs or information. The prices are plainly printed in this ad, and all you need to do is make out your order, enclose the price, and the moment we get it **your engine will be running to work** as fast as it can go. You will never get a better chance to get the **right engine** at the **right price** and at the **right time** than **NOW**.

### Economy Engines Are as Good as Any Gasoline Engine You Can Buy for Any Price.

The highest price ever asked will not buy you any better engine, for better engines are not made. We have bought and tested all other makes right alongside the Economy in our own plant, have given them all the same full fair test and have viewed the results without prejudice. The Economy will do anything that you can properly demand of a gasoline engine. No engine can do your work better or more faithfully day in and day out, and the Economy is the only high class engine you can buy that involves no wasted expense or unnecessary profits in the selling.

### Our Fair and Square Selling Method Enables You to Try the Economy Without Risk.

You send us your order and we send you the engine. You try it on your own farm in your own way, doing your own work for sixty days. If you are not perfectly satisfied that the Economy Engine is the engine you want, you send it back to us at our expense. If you do not like the Economy Engine the trial does not cost you a penny, because we return both the purchase price and the freight charges. That's the kind of trial that proves something.

Whether you are ready to order just now or not we want you to have a copy of our latest Gasoline Engine Catalog, so write your name on the coupon in the lower left hand corner of this ad and send it to us by return mail. You'll get a book worth having, containing the engine information you want, quoting prices that will interest you, showing you how to get the greatest possible engine value for your money. Get this book right away.

## Sears, Roebuck and Co., Chicago, Illinois

SEARS, ROEBUCK AND CO., Chicago, Ill.

Please send me a copy of your new Economy Gasoline Engine Catalog.

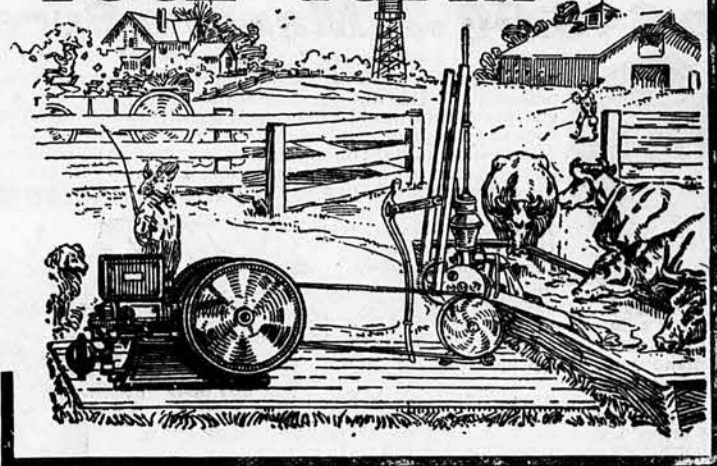
Name \_\_\_\_\_

Postoffice \_\_\_\_\_

R. F. D. No. \_\_\_\_\_ State \_\_\_\_\_

P. O. Box No. \_\_\_\_\_ Street and No. \_\_\_\_\_

## Straight to Your Farm



All You Could Possibly Want—  
Style, Quality and Wear—are Combined in the



Made in Baltimore—"The City of Economy."

WE guarantee "AMERICAN STANDARD 15" Suits and Overcoats to give absolute satisfaction.

Then we put such good material, such fine workmanship, and such splendid style into them that they cannot fail to satisfy.

We want every man and young man in the United States to learn that there is one \$15 clothes investment that carries no risk of disappointment with it.

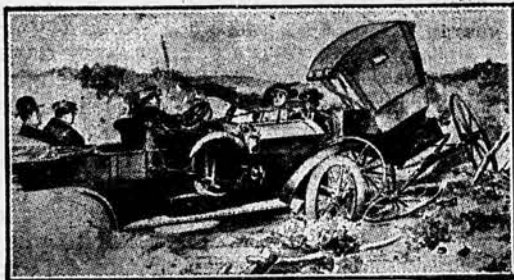
You can walk into any "AMERICAN STANDARD 15" dealer's store, select from the many styles and patterns on his tables and know absolutely that you are getting the greatest value that \$15 can buy.

You can feel that you are paying no more than the right amount for what you buy, because you are getting standard clothing at a standard price. If there is no "AMERICAN STANDARD 15" clothing dealer in your section as yet, send us your own dealer's name and your own name and address. We will mail you our style book, which will open your eyes to what \$15 will buy. And we will see that you are immediately supplied.

AMERICAN CLOTHING MFG. CO. Dept. 15 Baltimore, Md.



**THE WESTERN AUTOMOBILE INDEMNITY ASSOCIATION**



"IT MAY HAPPEN TO YOU"

Operated under the supervision of the Insurance Department of Kansas.

A legal and legitimate association, affording reliable protection at a very low cost, and with a high-class membership throughout Kansas, Missouri, Oklahoma and Nebraska. Write for information to OSCAR RICE, Sec'y., FORT SCOTT, KANSAS

A mutual association of owners of automobile for protection against claims for damages on account of injuries caused by their machines. Incorporated under the laws of Kansas.

Mention Kansas Farmer When You Write

**Let Galloway Save You \$25.00 to \$40.00 on a Manure Spreader**



If you'll send a postal for my Special 1911 Spreader Offer, I believe we can make a deal. If we do, you'll save at least \$25.00, perhaps \$40.00, according to size and style you want. And you get a free trial and a guarantee that would break me if my Spreader wasn't right. I know I have to go high on quality and low on price, because I sell by mail. The other fellow is right on the ground to persuade you personally. My quality and price has to do all my persuading. Let me try it. Our capacity is 42,000 spreaders this year in order to quote the low prices I do—30 to 365 days free trial and my long time binding guarantee in writing.

\$25.00 to \$40.00 saved—think of it! That's fair, isn't it? If you can think of a fairer proposition than I'll make you, I'll print it in my next advertisement.

Get your pencil or pen right now, and send me a postal for my big Spreader Book, showing 5 styles and sizes, from \$39.50 up. I'll send the book free and a proposition that will make you do some tall thinking whether you buy from me or not. Address WM. GALLOWAY, Pres., THE WM. GALLOWAY CO., 389 Galloway Sta., Waterloo, Iowa.



Send Postal For Book

**THE FARM**



It is in seasons like this that the disk plow comes to the front. The disk will make a good seed-bed for wheat when the mould-board plow can hardly be made to take into the ground.

Milo maize is practically a sure crop in the country most affected by the Russian thistle and its sure returns and great feeding value place it far beyond any comparison which might be made with the thistle.

In the western half of the wheat belt many list the stubble as soon as the grain is off, and then later work it down level and then sow wheat again. It is not so good a method as plowing, but it beats disking twice with the disk harrow.

With the advent of the fall rains the area to be devoted to wheat seems to promise a material increase, especially in the eastern two-thirds of the state. Wheat in rotation is a most valuable crop, but wheat in succession is hard on the land.

Corn fodder is one of the very best of rough feeds for stock, and when well made is thoroughly relished. The serious threat of a shortage of hay and a more general appreciation of the silo has caused a larger saving of the whole corn crop, either in the shock or the silo, than for many years.

Many pastures fail because they are not made right. Some recent experiments showed that in good pastures which stood the summer drouth well there were only a very few different varieties of grass, only 19 in the entire field, while in other nearby pastures that failed in the summer heat, the number of different species was very large.

Straw is much too valuable to be allowed to rot in the stack. Aside from its worth as bedding it has a feeding value which alone would well pay for the labor and expense of hauling. Mixed with other roughage straw is accepted by the animals as a palatable and nutritious feed. Hay bills can be materially reduced and money saved without detriment to the stock by mixing bright, clean straw in the ration of roughage.

A subscriber inquires if a cement floor is suitable for a granary and desires to know whether wheat would spoil from dampness. If the granary is properly located on well drained land, as it should be, and if the floor is raised from contact with the ground, there would be no danger of dampness, but everything would depend upon construction. Probably a board floor would be just as cheap and a good deal safer.

A correspondent asks as to the value of the Russian thistle for ensilage. Can any of our readers supply this information? While the Russian thistle is used both for pasture and hay, and while it seems to be relished by stock when young or when properly cured as hay, we would not recommend it for ensilage, especially when a much more satisfactory and valuable plant can be grown almost as easily for the same purpose.

Does prosperity beget the more general use of mechanical power on the farm, or is this power the cause of prosperity? While there may be two ways of looking at this question there can be no doubt that power serves to emancipate both the farmer and his teams from a lot of drudgery, and it is certain that wherever power is judiciously applied there will be found prosperity. Power begets prosperity just as surely as the egg will produce the chick, but both have to be properly handled.

Over in Illinois the farmers have organized a life insurance association which has peculiar features. There are but 101 members permitted. And new members are added only in case of death. When any member dies all remaining members pay the sum of \$10 each to the widow or other beneficiary, making \$1,000. There are no other dues or expenses, and no salaried officers. Any member that fails to pay the \$10 assessment is dropped. There is no medical ex-

amination, each member simply declaring that he is in ordinary good health when application is made. There is an age limit of 21 to 55.

The secret of the good market seems to be in pleasing the tastes of the exacting and fastidious customers, whether it be in high-class butter or other products. By furnishing a good article, above the ordinary, the competition for it is so strong that it can be sold at an advanced price, while the ordinary and low class articles go with the great mass of produce of the same class, at ordinary prices, and are subject to the manipulations of the markets by the "gamblers in trade," who are ever ready and active in devising means by which they can fleece the producers.

Barns and sheds for live stock that were constructed of baled straw were not uncommon in Kansas years ago and some may still be in use. They have their advantages, chief of which is their cheapness. Now comes a Minnesota man who has built and used a horse barn, a buggy shed, a tool house, a poultry house and an ice house, and all of baled straw. These have all been so satisfactory that he is now considering the idea of cementing them on the poultry house. The best fence the writer ever saw for temporary shelter was made of baled straw piled about 10 feet high around a feed lot. In the most severe weather this lot was pleasant, because no wind could penetrate it and the sun shone into it all day.

The farmers who are capable of producing articles that are above the ordinary are the skilled artisans of the farming profession, and are as deserving of financial success and an honored position in their calling, as are those of the learned professions who live by their wits, creating nothing, and giving but little of substantial value in return for what they receive. The avenues for active effort for the farmers are numerous, and the possibility for reward as flattering as in other walks in life. When each has discovered their own capabilities, are ready to adapt their efforts to existing conditions and meet the demands for the best of the kind which they produce, they will find an active market at satisfactory prices.

**Saving Grain With Concentrates.**

In speaking of some experiments made in feeding beef cattle at the Nebraska station, Prof. H. R. Smith said:

"In three different trials at the Nebraska Experiment Station, where 2-year-old steers were fed in groups of 10 each, the use of linseed meal—2 pounds daily to a steer—reduced the requirement of corn for a pound of gain in every instance, the average being 23 per cent for three years. The market price of linseed meal was then more than double that of corn, yet, by using it in the quantity named, the cost of producing gains was approximately 10 per cent less with it than without. In fact, the use of the linseed meal turned a loss of 40 cents a steer average for the three years to a net profit of \$2.43 during the same periods.

"In summer feeding 2-year-old steers on a mixed grass pasture, we also found that the use of linseed meal with corn gave considerably larger gains than corn alone, and with correspondingly larger gains than corn alone, and with correspondingly larger profits. Twenty-three per cent more grain was required when no linseed meal was used, and the cost of producing 100 pounds of gain was 13 per cent greater without than with the linseed meal, which formed only 10 per cent of the grain ration. At the time this experiment was performed, corn was worth 33 cents a bushel and linseed meal cost \$25 a ton. Had the linseed meal cost \$44 a ton instead of \$25, the cost of producing gains would have been the same in both lots. With the use of corn stover (stalks) as roughage in a winter experiment, we found the same thing true, which we might reasonably expect, as the stalk of the corn plant is even more deficient in protein than is prairie hay."



**Specializing for Better Prices.**

It is needless to say that very few fish are caught with a bare hook; it must be covered with something that appeals to and stimulates the appetite. The large, fat grub is what will attract the large fish while the minnows will nibble at the ordinary worm. It is by furnishing the tempting bait as to the quality of the product that good prices can be obtained that will leave a margin for profit over the cost of production.

The saying that "there is room at the top of the ladder" is as true with the farmer's products, as with the professional men. The genius who can develop an article of extraordinary merit as to quality, can command a good price for his product. This fact was emphasized to a great degree when I was visiting a dairy farm, and the poultry, which was a subsidiary business, seemed to be paying a good profit, for the milk-fed broilers were selling for 50 cents per pound early in the season, and at 35 cents per pound in midsummer. It was a case where quality was appreciated and willingly paid for.

The rule will hold good with nearly, if not all, that is produced on the farm. If one develops a kind of grain that is very productive, it is profitable to raise at the going prices, and it will be in demand for seed at an advanced price. The fruit growers plant, train and feed their trees to make them thrifty, and when they bear fruit they weed out on the tree the inferior specimens, leaving only the perfect fruit to mature, and when picked and exposed in the market, there is keen competition for it, for there is quality that appeals to the taste in looks as well as to gratify the appetite. The luscious fruit that carries size, beauty and flavor, never goes begging for buyers in these days when money is plentiful. We do not hear of overproduction in the way of first class fruits; there seems to be a demand for all that can be produced at a remunerative price. If there is ever any fruit for which there is not a good demand, it is of the ordinary kind and inferior in quality.

**How to Select Seed Corn.**

In case one has no "special seed plot," in which his best and earliest maturing ears were planted, it is then necessary that his seed corn be selected from the field. The most practical method to do this is to go through the field with a sack tied across one's shoulder and select the choicest and best-maturing ears. Two rows of corn may easily be examined at once. During the process of selection, consideration of the strength and character of the stalk, the height of the ear from the ground, and the size of the shank, should be noted. A stalk does not necessarily have to be large to be a big producer. A tall spindling plant lodges very easily. The stalk should be of good size and strong at the base, gradually tapering, and not necessarily tall. Strong, vigorous stalks, of medium height, usually produce the best and earliest matured ears. The ear should be attached to the stalk by a medium-sized shank, which is long enough to allow the tip of the ear to hang down.

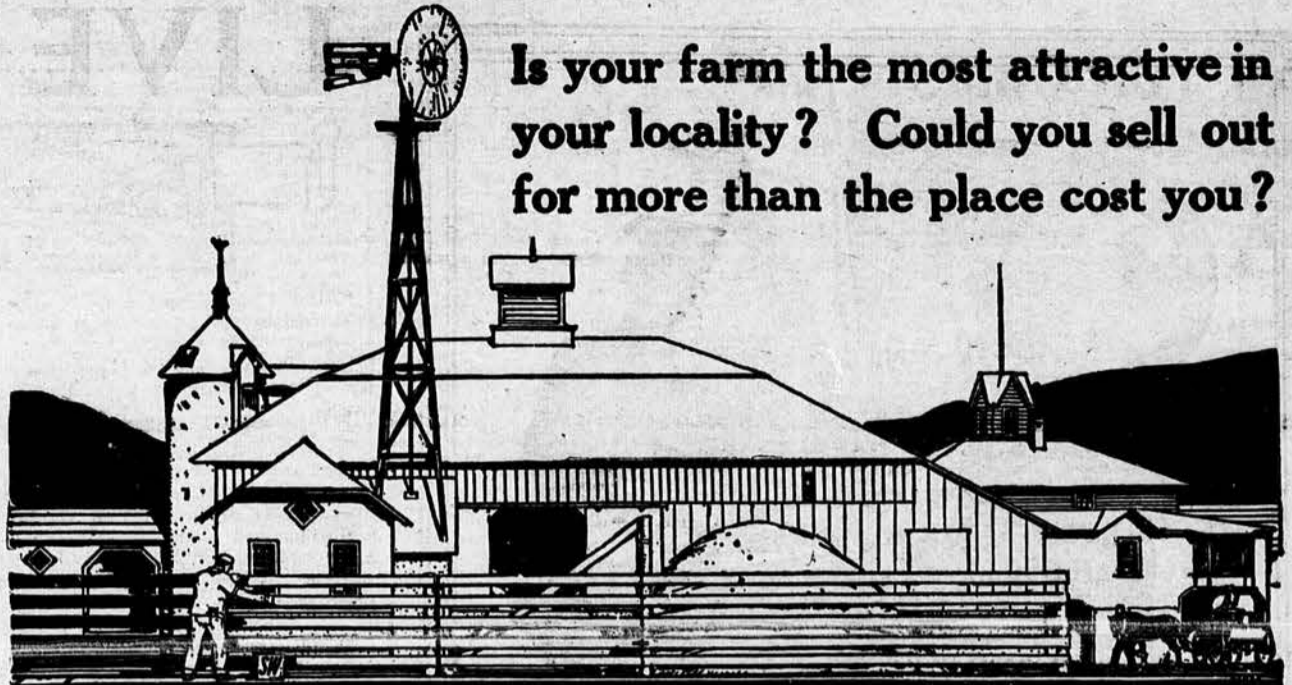
All ears in a corn field will not mature at the same time. A variation of fifteen days in maturing of ears in a field is not uncommon. One of the reasons why a good selection of corn can not be made from the shock, or from the field late in the fall, is that one is not able to tell the time the ear matured.

Desirable ears may mature ten or fifteen days later than the average freezing time; and, if those are selected, they will insure a late maturing crop. Again, if corn is left unhusked until late, the husks prevent the ear from drying out properly; and, as a consequence, it is likely to be frozen before it is husked, or at least before it has had time to dry out after husking.—C. P. Bull, Minn.

**Storing Seed Corn.**

After time has been spent selecting seed corn, it would be folly to store it in a place where it would not keep. Freshly gathered seed corn should not be left in piles in a warm room, or on the floor. It will either sprout, mold or rot both. Always store seed corn where there is a good circulation of air, so it will dry out quickly. Never leave it in boxes, in piles, on the porch or in the barn. It should be taken care of at once.

There are only three necessary conditions for storing seed corn; and, if these are followed, one may be reasonably sure that 95 per cent or more of his corn will germinate, provided it was properly matured. First, there must be a good circulation of air about each ear, to carry away the surplus moisture. Second, a temperature must be maintained above freezing, until the seed is thoroughly dry. Third, seed corn must be selected early enough, so that it may have plenty of



**Is your farm the most attractive in your locality? Could you sell out for more than the place cost you?**

**Sherwin-Williams Paint (Prepared) (S W P)** for buildings outside and inside—covers most, wears longest, looks best.

**Sherwin-Williams Commonwealth Barn Red** made especially for painting barns, corn cribs, roofs, fences, etc.

**Sherwin-Williams Inside Floor Paint** dries over night, wears well, stands scrubbing and foot wear.

**Sherwin-Williams Wagon and Implement Paint** made especially for farm wagons, implements, tools, machinery, etc.

**Sherwin-Williams Roof and Bridge Paint** for painting roofs, outbuildings, bridges, etc. Comes in four colors.

**N**OTHING runs down a farm so rapidly as the lack of paint. The longer your buildings are allowed to go without paint, the more paint it takes and the more time to apply it. Keep things painted and use good paint.

One name in the paint field stands for quality—The Sherwin-Williams Company—paint makers from start to finish.

You can get every kind of paint or varnish from a Sherwin-Williams dealer near you. You can get direct from us a most informing book, telling just what paint to buy for each particular surface and just how to apply it. This book is free, and it should be in the hands of every farmer. Write for it today.

**Sherwin-Williams Buggy Paint** for painting and varnishing at one operation, buggies, automobiles, sleighs and other surfaces where a high gloss finish is desired.

**Sherwin-Williams Paris Green** kills the bugs and does not blight the foliage. Send for booklet.

**Sherwin-Williams New Process Arsenate of Lead** kills leaf-eating insects, grubs and moths. Send for booklet.

**Sherwin-Williams Lime Sulfur** for the destruction of San Jose Scale and other sucking insects. Send for booklet.

Write today for these free books: "Paints and Varnishes for the Farm" "S.W. Brighten-Up Booklet" "Booklet on Insecticides."



**SHERWIN - WILLIAMS PAINTS & VARNISHES**



Sold by dealers everywhere. Ask for color cards. Address all inquiries to The Sherwin-Williams Co., 730 Canal Road, N.W., Cleveland, O. In Canada, to 639 Centre St., Montreal.

time to dry before cold weather.

Numerous tests of seed corn have been made. Of all the thousands of samples tested, those that were taken from a house attic, where there was a good circulation of air, gave the highest per cent of germination. Second in per cent of germination was seed corn stored in a cellar in which there was a heating plant. Cellars without furnaces are usually damp and undesirable for storing. Samples of seed corn stored in oat bins, on porches, under the eaves of barns, and in open sheds, have also been tested; and they usually gave tests too low for the seed to be of value for planting. It is easily seen that seed corn kept in an attic or an unused second story room can have the required conditions for drying; namely, good circulation of air, and an even temperature, above the freezing point.—Leon Robbins, Minn.

**Dry Farming in the Future.**

"Dry farming," or the science of agriculture under scant rainfall, made good where the farmer followed directions, but thousands failed because they did not heed the advice of experts. These failures have turned out to be a blessing in disguise for the high plains regions, because the advocates of "dry farming" were forced to take a broader path. Conservation of moisture in the soil is at the bottom of their theory and practice. Many thought of moisture only as direct rainfall upon their cultivated acres. But there is a limit to rainfall under which no plan of storage and cultivation will avail to produce crops. The season of 1910 went under the limit in many of the newly settled regions of Texas, New Mexico, Colorado and western Kansas and, following a year like 1909 which also was dry, there was no moisture in reserve in the soil.

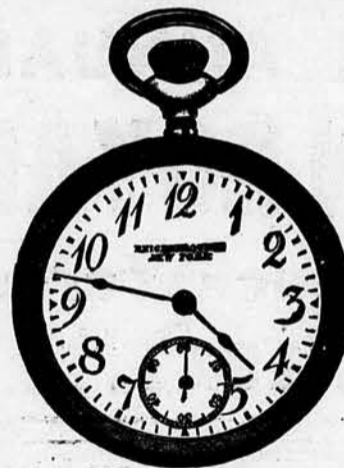
Discouragement and disaster followed, but the wise heads among the agricultural pioneers of the high plains declined to stay whipped. They saw a great light and from the dawning thereof there has come about an ideal union of "dry farming" and irrigation development all over the Southwest, that promises to reclaim literally millions of acres of land millions of acres now scantily yielding, richly productive.

This is to be accomplished by storage

**BOYS LOOK HERE!**

**Do You Want A Real Watch?**

If you do send us your name at once and we will tell you how you can secure the beautiful guaranteed watch illustrated herewith.



(FRONT VIEW.)



(BACK VIEW.)

Listen just a minute! We don't want you to answer this unless you are in dead earnest and really want a watch. We are not going to send you this watch free. This is an honest advertisement and we will tell you how you can get this watch by doing just a little work for us. You can do it. It has been done by hundreds of other boys.

Let us tell you how easy it is to secure a fine watch. Just send your name on a card saying that you want a watch. You can be wearing the watch inside of ten days.

Address,

**Watch Department, Kansas Farmer TOPEKA, KANSAS**

of the storm waters, and utilization of the underflow by pumping and the development of artesian belts, the newest of which is located in southwest Kansas, overlapping the borders of Colorado into Baca County, the southeast corner of that State.—A. T. Stinel.

The entire resources of the state of Missouri can be seen at the Inter-State Live Stock and Horse Show to be held in St. Joseph September 25 to 30. The experiment station of the State University at Columbia will have a live stock, agricultural and industrial exposition there displaying the features of the entire state's marvelous resources and development.

# LIVE STOCK



"Almost every wrong act of the horse is caused by fear, excitement or mismanagement," said a great horseman. This is true today, and if the horse does a wrong thing look to his driver for the cause.

A good horseman never trots a draft horse, even when he has no load. That is not what they are for. Some degree of speed is desirable, however, even in a drafter and the fast walk is not only the proper thing, but the only speeding to which a heavy draft horse should be permitted.

Colts cannot be kept looking well or doing their best when fed dry feed alone, especially if they be allowed to stuff themselves with hay. If they run with their dams and have plenty of green grass they are at their best. In the absence of grass the silo will supply the best substitute and alfalfa hay the next best.

Bacon hogs have long noses and breeders say that long nosed hogs always produce better bacon than do short nosed ones. It is also true that the bacon breeds respond to good feed and care so rapidly that in a few generations their type may change and they cease to be bacon hogs. The most remarkable transformation of this kind is found in the mule-footed hog.

Notwithstanding the extensive use of the steam cars, the great increase in the trolley lines, all of which are well patronized, the advent of the automobile that is utilized to such an extent that it is the "car for the million," good horses that are well proportioned and present a comely appearance, bring good prices. In fact, at no other period in the history of the country have good horses paid better profits over and above the expense of raising than at the present time.

Southern Kansas had a rather poor corn crop last year and this season's crop is not up to standard in all parts. Whatever has been lost will be more than made up by the silos, large numbers of which are being erected there, and by the great increase in yield of alfalfa seed. From Whitewater, in Butler county, alfalfa seed is being shipped out by the carload and, as each car is worth about \$7000, it will be seen that dry seasons have their pleasant features.

Kansas seriously needs more dairy cattle, and breeders in other states are becoming alive to this fact. Holsteins and Jerseys are bred here and are fairly plentiful, though not nearly enough so, but the other dairy breeds are all too scarce. The state fair at Topeka showed Guernseys, Ayrshires, Brown Swiss and Dutch Belted cattle and great interest was shown in them, though the Holsteins and Jerseys predominated, and there was a plentiful sprinkling of the dual purpose breeds. Most of these little known breeds came from other states.

Much attention is paid by breeders to breed characteristics, and this is as it should be. It is their business to perfect the breed they have and all of our present excellence is due to their work. But the fact remains that the hog, for instance, is not intended as a parlor ornament, but as an economical machine for converting feed into higher priced pork. Any breed that cannot produce these results will not last long and should not. Pure bred stock is valuable because it is the only kind that may be relied upon to produce meat or milk at a profit.

There would seem to be a growing demand for bacon hogs in the corn belt. This region has always been characterized by a great predominance of the lard type and it has been claimed that there was no market for the bacon type. Of late, however, there has been a decided change in public sentiment and a number of the best breeds of bacon hogs are now represented by thriving herds in Kansas and adjacent states. The Hampshire seems to lead, though considerable interest had also developed in the Tamworths and Yorkshires. Except for their unfamiliar appearance the bacon hog

cannot be objected to. He is a profitable animal and is said to be much less liable to attacks by cholera than the members of the lard type.

The farmers who have the well-bred, 'sappy' steers that carry the well marbled beef which is toothsome for the epicure, the banker, the factory man or the skilled laborer in any and all classes of work, has something for which there is a demand at good prices. The same is true of the lambs. A good class of lambs, which are developed while young, sell at a good remunerative price, even in this year of depression in the sheep business. Although hogs are not as high in price as during the last two or three years, yet the pigs of the right sort that are developed while young and sold early meet a demand that pays well for the raising.

### Government Buys More Morgan Horses.

The Bureau of Animal Industry of the United States Department of Agriculture has just purchased in Meade county, Kan., four additional horses for use in the government breeding work that is being carried on in Vermont with the object of preserving and improving the Morgan breed. These animals are the 7-year-old Morgan mare, Fanny P. (Vol. III, A. M. R.), two yearling fillies by Headlight Morgan (a son of Ethan Allen 2d), and a colt foal out of Fanny P. by Headlight Morgan. One of the fillies is out of Fanny P., and the mare is again in foal to Headlight.

These horses are among the descendants of a large consignment of selected animals purchased in Vermont and Illinois in the early 90's by the Morgan Horse Company of Carpentersville, Ill., and sent to southwestern Kansas to take advantage of cheap pasture there. Unfortunately, however, and partly on account of the depression in the horse market several years ago, the venture was not a success, the company disbanding and the horses being scattered over a wide territory. Some of this stock still remains in Kansas and Oklahoma.

The animals bought by the government will be taken to the Morgan Horse Farm at Middlebury, Vt.

### But They Are Marketed Sooner.

Today the average weight of hogs finding their way to market is very much less, perhaps from 125 to 300 pounds; the bulk from 200 to 250 pounds. Now assuming that the average 20 years ago was 250 pounds, the average now will hardly go over 170 to 180, at least 200 pounds is amply high at present as the average. This feature alone means a difference of averages of fully 20 per cent, and possibly this will hardly cover the loss in the average weight.

In other words, the normal supply in pounds has decreased 20 per cent and the farmer who formerly fed and marketed 50 hogs must now market 60 in order that the normal supply be kept up. And it hardly seems to me that 20 per cent is sufficient to cover the shrinkage in average weight, but that 25 or 30 per cent would more nearly represent the loss from this source. And to make a rough estimate of the number of hogs necessary to be kept on the average farm now, as compared with 10 or 15 year ago, must be fully 33 per cent, or where 50 were kept by the farmer then, 75 must be kept now to supply the same number of pounds, and this is not all. If the farmer attempts to market 150 hogs in a year he must of necessity keep more brood sows, which adds not only to the expense of maintaining such a herd, but also adds to the liability of more loss in pigs, as but few farmers are fixed to maintain this output as successfully as the one marketing only 20, 30 or 50 hogs in the year. Then in addition to this loss in average weight of marketable hogs, comes the report of a decrease in number of such hogs in the large markets during the last year of 4,000,000 head. Now what does this suggest to you? Is it any wonder prices of hogs are soaring? But this is not all. Each year adds about one and a half million immigrants to our meat-eating population, mostly non-producers, and does the thinking man imagine for a moment these conditions combined will ever



## The Howard Watch

The Wireless Operator prefers a HOWARD Watch because he must have exact knowledge and record of the sending and receiving time of messages.

His station is seldom in a comfortable office building—it may be on a Battleship—an island—or a rocky point along the coast.

The HOWARD Watch is time authority everywhere—and has been for sixty-nine years.

It is the only watch that Peary would trust in his dash for the North Pole.

Wilbur Wright carried a HOWARD in his aeroplane flights—every other watch that he tried broke down under these conditions.

Now, these were not special HOWARDS. You, as a private citizen, can get exactly the same grades from your HOWARD jeweler.

The only special HOWARDS are the railroad models—they are standard on 180 of the leading American railroads.

Every HOWARD Watch is adjusted to make good in any service condition its owner can put up to it. The HOWARD is the finest practical watch in the world.

A HOWARD Watch is always worth what you pay for it.

The price of each watch—from the 17-jewel (double roller) in a Crescent or Boss gold-filled case at \$40 to the 23-jewel in a 14K solid gold case at \$150—is fixed at the factory and a printed ticket attached.

Find the HOWARD jeweler in your town. When a man makes a permanent investment like the purchase of a HOWARD Watch he naturally wants to see what he is buying—he wants to get the dealer's expert advice. The HOWARD Watch is sold only by legitimate jewelers—and not every jeweler can sell you a HOWARD. The jeweler who can is a representative merchant—a good man to know.

Send us your name on a postal card and we will send you—FREE—our pamphlet—THE STORY OF EDWARD HOWARD AND THE FIRST AMERICAN WATCH. It is a chapter of History that every man and boy in this country should read.

**E. HOWARD WATCH WORKS**  
Dept. No. 112 Boston, Mass.

# THIRTEENTH ANNUAL AMERICAN ROYAL Kansas City Stock Yards Oct. 9-14, 1911

America's Clearing-House Show of the National Pure Bred Live Stock Associations, where State and Interstate Winners meet for Final Contests.

Beef Cattle, Breeding Classes—Hereford, Shorthorn, Galloway, Aberdeen-Angus. Draft Horses—Percheron, Shire, Belgian. Mules. Swine—Berkshire, Chester White, Duroc Jersey, Poland China. Sheep—Cotswold, Hampshire, Shropshire, Southdown, Oxford. Angora Goats. Poultry.

Carlot Shows of Native and Range-Bred Feeding Cattle. Carlot Show of Swine.

**AUCTION SALES** Breeding Cattle—Selected, Representative Animals: Short-horn, Oct. 10; Galloway, Oct. 11; Angus, Oct. 12; Hereford, Oct. 13. Native and Range-Bred Feeding Cattle in carlots. Swine in carlots.

Sales of All Kinds of Live Stock and Poultry. Light Harness Horse Show Five Nights.

**PAUL M. CULVER, President.**  
**A. M. THOMPSON, Secretary.**  
**H. C. DUNCAN, Treasurer.**

**LIVE STOCK EXCHANGE, Kansas City, Mo.**



## SUCCESS MANURE SPREADER



**33 YEARS OF SUCCESS**  
Get Our Booklet—It Tells How Manure Actually Produced \$2.35 per Load the First Year Spread with a SUCCESS.

**JOHN FRAZER** tells how he made \$840.00 in one season with a Success. Spreaders do hard work. Cheap machines made of pine and iron lose money, give trouble and die soon.

Success frames are second-growth white ash and oak, mortised, bolted and trussed—double ribs through the middle.

Only Spreader made having a beater that slides back out of the load when thrown into gear—no strain on the machine or the horses when starting.

Axles, cold-rolled steel—three times the strength of common steel. Special wheels of great strength—wood or steel.



**A HORSE LIGHTER DRAFT MANURE SPREADER MADE AND MOST DURABLE**

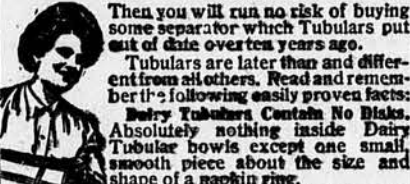
Patented Steel Braces from Cylinder to Main Axle.

Others brace to the spreader bar. All driving parts compensating. Pressure of the load is against the cylinder, while the drive chain pulls forward, forcing the gears together. No lost motion—no getting out of mesh. The Success is the only spreader having these valuable features.

The Success spreader uses a steel pinned drive chain. It withstands the strain of frozen manure and obstructions in the load.

Write for **FREE SPREADER BOOK No. 313**  
**JOHN DEERE PLOW CO.**  
MOLINE, ILLINOIS

## REMEMBER WHY SHARPLES Tubular Cream Separators ARE THE WORLD'S BEST



Then you will run no risk of buying some separator which Tubulars put out of date over ten years ago. Tubulars are later than and different from all others. Read and remember the following easily proven facts:

**Dairy Tubulars Contain No Blisks.** Absolutely nothing inside Dairy Tubular bowls except one small, smooth piece about the size and shape of a soap ring. Tubulars have twice the skimming force of others, and therefore skim faster, skim twice as clean, and repeatedly pay for themselves by saving what others lose. Tubulars wear a lifetime, are guaranteed forever by America's oldest and world's biggest separator concern. A regular, hand-driven Tubular recently finished work equal to 100 years' service in a five to eight cow dairy. Total cost for all and repairs only \$15. Write for illustrated record showing how the parts of this Tubular resisted wear. In view of these facts, how can any other separator be so profitable, durable, or easy to care for as the Tubular? Why bother with any other? You will surely have a Tubular, so get it now. Ask For Free Trial.

Other separators taken in exchange. Write for catalog 185  
**THE SHARPLES SEPARATOR CO.**  
WEST CHESTER, PA.  
Chicago, Ill., San Francisco, Cal., Portland, Ore., Toronto, Can., Winnipeg, Can.

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

**BOWSER SWEEP MILLS**  
Different from all others. Sweep Corn with straws. Use in tire head and all kinds of small grain. 4 and 2 horse sizes.  
Write for free literature and prices  
**G. N. F. Bowser Co., South Bend, Ind.**

# DAIRY



## The Cost of Milking.

"What does it cost to milk a cow?" is a question raised by a correspondent. "This depends upon the milker, the cow, the time in her period of lactation, the environment and the method employed. Every man knows that there is a wide difference in the time required by different milkers to milk the same cow; strength, temperament and endurance being variable in men, their ability to milk fast or slow is therefore dependent upon these factors. The cow may be an easy milker, or a hard milker. If the former, the cost of taking the milk from her would be much less. She may have come fresh but recently or may be ready to go 'dry.' The cost of milking her would be determined, in part, by the amount of milk she gives. The surroundings would affect the process and then make it more or less agreeable and convenient for the milker and also impair or encourage the secretion of milk by the cow, hence these would influence the cost, as would also the method of milking, for if one was endeavoring to secure the purest milk possible he would need to exercise greater precaution than where ordinary methods were employed. The providing of white suits, the washing of the cows' udders, the cleaning of the hands after the milking of each cow, the weighing of the milk, the recording of the weight, the taking of a sample for the testing of fat, would all add expense to the operation.

"But, throwing aside these abnormal features and take average conditions, cows and milkers, we find upon observation, that it requires about ten minutes to milk a single cow. Where the man who milks is securing \$30 per month for his labor a little figuring will tell us that ten minutes of this man's time is worth 1.91 cents where he is expected to work 260 hours per month. This means on an average, it costs the man who has ten cows, 40 cents a day, \$2.80 a week, \$12 a month, or about \$120 a year to milk these animals, allowing that each cow is milked ten months of the year.

"But there is another consideration that requires the careful investigation of every owner of dairy animals in connection with the cost of milking, and that is the amount of milk wasted in the operation. Experiments by Garler extending over two winters show that the shrinkage in the cows milked by the poorest milker and by the best milker employed by him was 9.5 pounds and 1.88 pounds, respectively, per head per day, or a difference of 7.62 pounds. For ten cows this would mean 76.2 pounds per day, \$334 pounds per week, or over 20,000 pounds for 40 weeks, an amount of milk worth about \$200. The best milker saved to the owner of the cows he milked \$200 worth of milk that the poorest milker left in the cows' udder, thus wasting the milk and impairing the future efficiency of the animals.

"Therefore, in employing help to do this part of the work on the dairy farm one should know what constitutes a good milker and understand that it is economy often to pay one man more than another or firmly refuse to hire certain ones at all. Only the strictest attention to the milk sheets and the cows will aid the owner to arrive at an answer to the question, 'What does it cost to milk a cow?' When it is answered in the instance of some milkers and some cows, the milkers may be discharged or the cows sold and the farmer continue a self-respecting citizen of the community with a reputation of having good business judgment."

## How to Select a Good Grade Cow.

The five points to be observed in the selection of good milking cows from grade or native cows are the prominent ones that will appear in all of the milking forms of the cattle race without regard to breed. We can give these points under numerical heads:

First. Observe with care and note as a first point, that the cow we are now passing upon has a large and ample sized body. Let this body extend from a point just back of the shoulder straight down to the lower part, also let it be included between the line that we mentioned and a line that we call imaginary that will extend from the hook or hip bone

straight down to the lower part of the body again. It is an excellent thing if the depth of the body is as strong or stronger at this last point as at any other point that we will call its depth. Sometimes this bodily capacity is composed to a certain extent in the length of the body. In either case we want a large, ample and capacious body. This large body is needed and must appear, for the ample supply of milk must come from much food received and digested within the area that we have noted. This food content is there taken up into the blood. With this evidence of a good supply of blood we have a good start in estimating that we will have a good supply of milk, writes a correspondent in Hoard's Dairyman.

Second. Look with care behind the fore shoulder and observe if the backbone is prominent and if that part of the body which is called the crops is scantily covered with flesh; this does not mean that the animal shall be in poor condition; it only means that the animal is not inclined to use this blood to make flesh out of it. Beef cattle are full at this part of the body. We are selecting for milk. We want the ample supply of blood to go to the udder where the milk is made.

Third. Next go to the udder and see if it be reasonably large. Do not depend upon the eye to estimate this size. Many very good udders are contained largely within the body and their size is not apparent. You will see the fore-part of the udder, be it large or small. Take hold of the skin between the hind-quarters. Up to the point where the skin ceases to be as loose as upon the other part of the body we can judge that the udder extends.

One can get a fair idea of the udder attachment to the body by drawing an imaginary line from the point last mentioned to the front udder that we have seen; this will give one a distinct and positive line of attachment of the udder to the body. If that line is long, then we have the clasping form. In such a form we have nature's provision to receive that ample supply of blood that this good body will produce.

Fourth. Now put the hand on what is known as the milk vein, which extends from the udder along the lower part of the body to both sides; at the end of this vein will be found a hole through the body wall. This hole should be large enough to take the end of an average index finger; by pressing against the wall of the body for the space of about two inches in a varying direction a second hole may be found that will be about the size of a lead pencil. Look for these holes on both sides of the body. These holes through the body are for the return of the veins which take the blood to a very great extent from the udder. Here we find an absolute fact which indicates that the blood makes its circuit through the udder, or gland, where the milk is made. We can safely reason that from this abundance of blood we shall have an abundance of milk.

Fifth. Last of all, look and see if the eye of the animal is large and full. This largeness of the eye indicates a strong nerve system. Digestion and milk secretion is the work of the nerve system. The nerve system is the power that drives this animal milk machine.

These five points may be called five degrees in cattle judging. We add a sixth. Use the scales and the Babcock test, and the cow has been brought to a sure cattle judgment. Any cow that will verify the six points will prove to be a good milker, unless she has been ruined by bad handling or bad feeding.

## Write For Our Price On Only Storm Proof Mill

YOU can't afford to miss this proposition on the only reliable, self-regulating windmill. This wonderful mill fools a cyclone—automatically folds its wings and lets cyclone pass through. Also works in lighter winds than other mills. Gives steady power, day after day and more service. Every man who has water to pump, can put money in his pocket by using this mill—the greatest wind-engine ever built. Outlasts any two steel mills. No jar—saves rapid wear. Practically no repairs—no worry. Needs oiling only once a year. No noise.



## Althouse-Wheeler Vaneless Windmills

are built of the best material by skilled workmen—backed by 40 years of success—warranted to you by our iron-clad guarantee. Most efficient and durable. Thousands of satisfied owners have proved it. Read the letters and the surprising cyclone record of the Althouse-Wheeler in our free illustrated book. Shows you the biggest power value for the money. Don't miss this chance. Write today. Then read the book and satisfy yourself.

**Althouse-Wheeler Company**  
2 Washington St., Waupun, Wis.

## Auto Tires—Best Quality

45% SAVING  
The Leading Standard Makes.  
No Junk of Obscure Manufacturers.  
28x3 .. \$ 9.85 32x3 1/2 .. \$17.35 32x4 .. \$22.50  
30x3 .. \$11.10 34x3 1/2 .. \$18.15 35x4 .. \$24.00  
30x3 1/2 .. \$15.70 30x4 .. \$21.20 34x4 .. \$26.00  
These tires have size and serial numbers on complete guarantees, but as we buy cheap for cash only, the manufacturers sell them to us without recourse and we sell them to you in the same way. Every size for every rim. 10% must accompany order, balance C. O. D. on approval. Specify Diamond, Firestone, Skwmut, Para, Imperial, Fisk, Hartford Makes.

**THE ATLAS TIRE COMPANY**  
822 Wyandotte St., Kansas City, Mo.

**"MEN WHO KNOW" USE THE DE LAVAL CREAM SEPARATOR**

Why should YOU experiment or take chances with anything else?  
**THE DE LAVAL SEPARATOR CO.**  
165-167 BROADWAY, NEW YORK. 29 E. MADISON ST., CHICAGO.

**A Roller, Packer and Mulcher 3 Machines in 1 INCREASE ALL YOUR CROPS 25 to 50%**

To pulverize and pack your soil; to put a loose mulch on top to retain all moisture for your crops is as necessary as to sow and to plant.

**THE WESTERN LAND ROLLER** will do it all and at one time. Our Free Booklet contains descriptions and prices of our Rollers and testimonials from many satisfied users. It also tells how to prepare your soil to raise good crops and how to get a good stand of alfalfa with but 4 to 8 lbs. of seed to the acre. Write for a copy today.  
**Western Land Roller Co., Box 116 Cushing, Neb.**

## Farmers' Handy Wagon at a Low Price

Absolutely the best wagon built for every kind of heavy teaming. Low steel wheels, wide tires. Will last a lifetime without repairs.

**STEEL WHEELS** for farm wagons—any size to fit any axle. Send for our free booklet before you buy a wagon or a set of wheels.  
**EMPIRE MFG. CO., Box 46L Quincy, Ill.**

**KANSAS FARMER UNTIL JANUARY 1, 1912, FOR 25 CENTS. Special Trial Rate.**

This rate to new subscribers only. For 50 cents we will send KANSAS FARMER until January 1, 1912, to two new subscribers and send the person who sends in the names a set of 50 beautiful postcards. These cards are not cheap, but just as good as if you paid 5 cents apiece for them. Address KANSAS FARMER, Topeka, Kan.

**Can You Beat It?**

A Wisconsin dairy farmer and his son make a report of their income for 1910, which may be of interest to Kansas dairy farmers, who have a great advantage in climate and the possession of a plentiful supply of alfalfa and other cheap feeds. It is to be noted that these results were obtained through the use of the silo, in connection with good farming.

They own 80 acres of farm land which they operate without any hired help all the year except only at the time of filling the silo. They maintain on this 80 acre farm a herd of 22 Holstein cows and 7 Holstein yearlings, four horses and a small herd of Chester White swine. All the feed used in 1910 except \$75 worth of bran and oil meal was raised upon the farm. This fact readily speaks for the productivity of the farm's soil being maintained, when it is recalled that last year, like this year, was extremely dry during much of the growing season. The milk produced from the cows is disposed of to a nearby factory.

The following is the income received from the live stock on this farm for the year 1910:

Milk Checks From Factory.	
January	\$184.96
February	168.45
March	180.78
April	165.09
May	216.94
June	144.15
July	55.27
August	10.24
September	78.14
October	189.39
November	197.22
Total	\$1,770.90
Sale of calves	120.00
Total receipts from cows	\$1,890.00
Sale of Hogs.	
February	\$114.00
March	60.00
April	381.00
September	114.00
November 4	75.00
November 15	127.00
Total	\$ 871.25
Sale of four cows	240.00

Total live stock receipts for the year \$3,002.15

The foregoing list of monthly milk checks shows that the 22 cows produced an average income of \$80.49 per cow for the year, a very satisfactory average.

If but one-half of the nearly 800,000 milk cows of Kansas would do as well as did this small herd, the farmers would add millions to their yearly income and would maintain the fertility of the soil, which continuous cropping without manure, rapidly depletes.

**Some Holstein-Friesian History.**

So remote, misty and uncertain is the origin of the famous Dutch breed of cattle of North Holland and adjacent provinces that it seems almost useless for us at this date to attempt to lift the veil which a score of centuries has woven to conceal the early history of this wonderful breed, which is now being disseminated throughout nearly all civilized countries and is enriching the world.

Prof. Hengerveld, who has been recognized as one of the best authorities on the Dutch breed, in writing the introduction to the Netherland herd book, says: "It may be taken for granted that the Dutch cattle trace their pedigree from the time when the French and Batavians settled on the banks of our great rivers, about 100 years before our era."

"The origin and purity of the thoroughbred race may then be traced back 2000 years." Thus wrote an enthusiastic Dutch breeder, unquestionably a high authority, but whether during all these centuries they could be properly termed a "thoroughbred race" we will not pause to discuss at this time, but will merely say that at the time when Smith & Powell commenced importing, there was not a herd book published in the Netherlands, and in only one case did we find what seemed to be an accurate complete private herd registry. This exception was Jan Witt, who bred the Aaggie family.

The first herd book of the breed was the Holstein, published in America in 1872. The next general herd book was the Netherland, which was open to all the provinces of Holland and which admitted to the registry both black and white and red and white cattle. The next was the Friesians, confined to animals bred in that province. The next was the Dutch-Friesian, published in America in 1880.

The objects and principles which were the foundation of all these associations

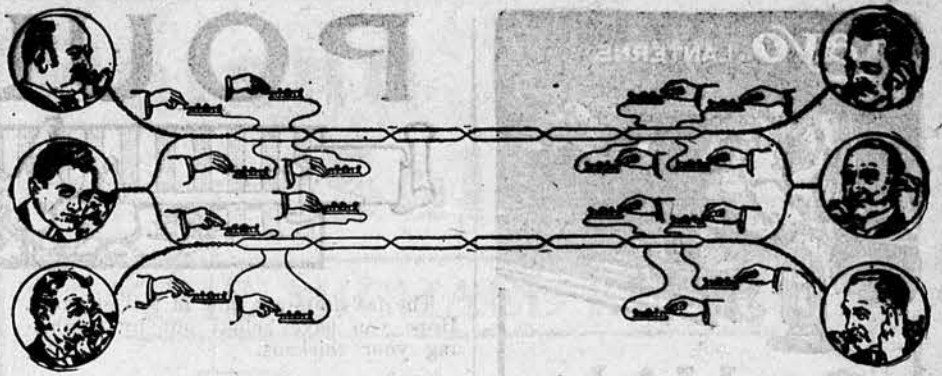
were nearly identical, viz., to continue in its purity and to improve the grand breed of cattle which for centuries had occupied the Netherlands, making that country not only famous but wealthy. As we look back over the history of the breed it seems that the slight difference of opinion which existed in the minds of a few individuals regarding the origin of the breed and the name by which it should be designated were hardly of sufficient importance to have engendered such an intense feeling as existed between the two associations in America. Happily, these differences were amicably adjusted, and all joined in a harmonious, earnest and successful effort to improve and develop the breed. I will not occupy your time in reviewing the facts which have been so often repeated by visitors who have made a study of the question on the ground, which have been so often repeated through the public press, and have been so fully verified and established by history, viz., that for centuries Holland has been recognized as the greatest dairy country on the globe, producing more milk per acre and more per cow than any other country. The Dutch method of improving a breed by selecting a slow process, but when persevered in for centuries, as it has been by these sturdy, determined, practical people, it becomes very effective. Compared with the methods pursued by our best American breeders, where selection is combined with heredity and development is assisted by environment, the Dutch method seems exceedingly slow. By the judicious, intelligent use of all the means which have been proven by experiments to be effective in developing and improving a breed, America can make greater progress in a score of years than Holland has in a century, but is it not possible that we Americans go to the other extreme and attach too much importance to heredity and too little to individuality and selection? Both should be combined and to these and proper environment, including judicious development, and we will be enabled to advance rapidly and safely. It is not of as great importance to us today to know where the breed originated or what particular territory or province they occupied 2000 years ago or by what name, in view of that origin, they should be designated, as it is that we should join in improving and developing into a still greater breed the grand race of cattle which the Dutch people have carried down through many centuries, improving and developing them from generation to generation—from age to age—from century to century by selecting the best for reproduction, until for hundreds of years Holland has been recognized by historians as the home of the best and most profitable breed of dairy cattle on the globe, and these the Dutch have transmitted to us in comparative purity.

What an inheritance. As this great breed has enriched the Netherlands, so it should, as it extends its great influence over the broad prairies of the west and the hilly but rich pastures of the east, enrich our nation.

Our early importers did a great work for us and for the whole country. "They builded better than they knew." We should honor their memory by improving the grand breed of cattle they placed within our reach. Great credit is due any party who conceives an original idea, who sees and grasps a situation, which, when developed, adds to the comfort and the wealth of a nation, especially when such a person is ready to support his faith by his means and energy and make it his life work.—E. A. Powell, before the Minnesota Association.

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.

Secretary Murray A. Cooper, of the Dorset Breeders' Association, Washington, Pa., says: "As the chief mission of the Dorset is to provide autumn and winter lambs, it is well that the lambs shall be so cared for that they will make a rapid growth. They ought to go into the market in a plump condition and weighing like lead. This means that they must be managed with much skill and judgment, for it would be one of the easiest things imaginable to grow Dorset lambs dropped at the right season of the year and by good ewes that would be a disgrace to the breed."



## Double Tracking The Bell Highway

Two of the greatest factors in modern civilization—the telephone and telegraph—now work hand in hand. Heretofore each was a separate and distinct system and transmitted the spoken or written messages of the nation with no little degree of efficiency. Co-operation has greatly increased this efficiency.

The simple diagram above strikingly illustrates one of the mechanical advantages of co-operation. It shows that six persons can now talk over two pairs of wires at the same time that eight telegraph operators send eight telegrams over the same wires. With such joint use of equipment there is economy; without it, waste.

While there is this joint use of trunk line plant by both companies, the telephone and telegraph services are distinct and different. The



telephone system furnishes a circuit and lets you do your own talking. It furnishes a highway of communication. The telegraph company, on the other hand, receives your message and then transmits and delivers it without your further attention.

The telegraph excels in carrying the big load of correspondence between distant centers of population; the telephone connects individuals, so that men, women and children can carry on direct conversations.

Already the co-operation of the Western Union and the Bell Systems has resulted in better and more economical public service. Further improvements and economies are

expected, until time and distance are annihilated by the universal use of electrical transmission for written or personal communication.

**AMERICAN TELEPHONE AND TELEGRAPH COMPANY  
AND ASSOCIATED COMPANIES**

*One Policy                      One System                      Universal Service*

### Read This Letter

We Ship the Same Day Order is Rec'd.

Save \$5.00 to \$40.00 On Your Stove Purchases

**S**PLENDID Kalamazoo Stoves and Ranges sold direct from the factory will net you a \$5.00 to \$40.00 saving—sometimes more as shown in this letter. No dealer, jobber, middleman or salesman makes a cent on Kalamazoo stoves and you pocket their profits and get the best—America's Standard Stove.

**Cash or Credit**

Pay on terms that meet your convenience on 30 Days Free Trial. 360 Days Approval Test. Freight Prepaid and Shipment made same day order is received. 170,000 satisfied customers prove our proposition.

### Big Stove Book—FREE

A price for every purse among our 400 styles and sizes, illustrated and described, against the dozen styles your dealer has. Brimful of inside stove facts that the dealer himself doesn't know. Get the *how* and *why* of the Kalamazoo proposition. Send NOW—ask for catalog No. 189.

**Kalamazoo Stove Company, Manufacturers**

**RADIANT BASE BURNER**

**Kalamazoo, Michigan**

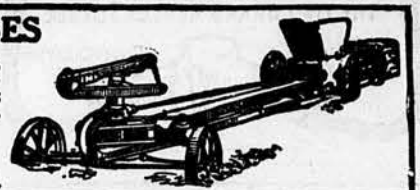
**A Kalamazoo Direct to You**

**And Gas Stoves Too**

### LIGHTNING HAY PRESSES

Tested for over 25 years. Made in many styles, Horse Power, Belt Power and Self-feed Attachments. Simple and Durable with Greatest Capacity. They make a Profitable Investment. We can suit you. Write for Catalog and prices.

**KANSAS CITY HAY PRESS CO.**  
129 Mill Street                      KANSAS CITY, MO.



### WHITE PLYMOUTH ROCKS      BEST ALL PURPOSE FOWLS IN EXISTENCE

GOOD TO LAY, GOOD TO EAT, AND GOOD TO LOOK AT.

White P. Rocks hold the record for egg laying over all other breeds. 289 eggs each in a year for eight pullets is the record, which has never been approached by any other variety. I have bred W. P. Rocks exclusively for 20 years and have some fine specimens of the breed. I sell eggs at "live and let live" prices, \$2 per 15, \$5 per 45 and I prepay expressage to any express office in the United States.

THOMAS OWEN

Sta. B,

TOPEKA, KAN.



### Good Light

makes night work easier. Rayo lanterns give the most light possible for the oil used.

Rayo Lanterns will not blow or jar out.

They are easy to clean. Easy to fill and light. Made to stand hard wear.

You can get Rayo Lanterns in various sizes, finishes and styles. Each is the best you can buy of its particular kind.



All Rayo lanterns are equipped with selected Rayo globes, clear, red or green, as desired, and wicks are inserted in the burners, ready to light.

Dealers everywhere; or write for descriptive circular direct to any agency of the

Standard Oil Company (Incorporated)

### HOW TO BUILD CORN CRIBS



BOOK FREE

YOU get practical hints for storing and handling ear corn and small grain. Our free book gives plans, lumber bills and itemized cost of building cribs and granaries—also full information about

#### MARSEILLES PORTABLE ELEVATORS AND WAGON DUMPS

Underneath or Overhead Wagon Dumps in all steel or wood. Elevator Outfits, Crib or Horizontal Conveyors in all steel or wood. Our steel Tubular Elevator is strongest and fastest made for all small grain and flax. Complete line of spouts, belt attachments, jacks and horse powers. We can furnish an outfit for any style of granary or crib whether large or small.

Write for Book—'How to Build Cribs or Granaries'—Free if you mention this paper JOHN DEERE PLOW CO., Moline, Ill.

When writing advertisers, please mention KANSAS FARMER.

**TOWER'S FISH BRAND REFLEX SLICKER** SATISFACTION GUARANTEED EVERYWHERE

**MAKES WORK ON RAINY DAYS A PLEASURE**

Our REFLEX edge (Pat'd) runs the entire length of coat and storm top. - Guides all water to the bottom where it drops off

**ABSOLUTELY NO POSSIBILITY OF GETTING WET**

Practical-Serviceable-Economical

Ask your DEALER to show you THE FISH BRAND REFLEX SLICKER

A. J. TOWER CO. BOSTON, MASS. TOWER-CANADIAN LIMITED TORONTO.

### ONE MAN HAY PRESS

ONE OR TWO-HORSE, AND GASOLINE BELT POWER.



Self-Feeder, Self-Thresher and Knitter. All Steel, full circle. Guaranteed 1 ton an hour with ONE OPERATOR. 1 1/2 tons an hour with two men. FREE trial. Write TUTTLE HAY PRESS CO., 621 S. Adams St., Kansas City, Kan.

# POULTRY



The fall fairs are now in full progress. Hope you have helped out by exhibiting your chickens.

Next to showing one's own chickens at the fair, is the pleasure and profit of looking at other people's fancy fowls.

And while admiring the fowls would it not be a good idea to purchase some thoroughbreds for your own use next season?

Save the small potatoes and imperfect heads of cabbage and other waste vegetables. They will all be relished by the hens in the winter.

There is no economy in feeding musty grain of any kind to the chickens, even if it can be had for a quarter of the price of good grain. The fowls will eat it, if other food is withheld, but it is not good for them.

The best time to build a poultry house is right now, so that it may be in readiness for the fowls by the time cold weather comes. Use well-seasoned lumber and see that the house is thoroughly dried out before putting the fowls in it.

Begin a systematic culling of the flock this month, and get rid of all unpromising birds before cold weather sets in, and the fowls are put into winter quarters. Go over the birds carefully and discard all specimens that are badly defective, as well as all old birds that have out-lived their usefulness. These should be fitted for market and disposed of. Shut them up and feed nutritious food for a couple of weeks and see that they have plenty of good, clean water to drink. It will not pay to keep them a day after they are ready for market.

Only a few more weeks and all the feed the fowls get must be provided for them. They will need grain food, green food and animal food. The grain food is easily procurable, provided you have the price. For green food lay in a supply of second growth clover hay or alfalfa. When scalded, this is almost as good as green clover, and the birds are fond of it. The problem of supplying animal food is easily solved. Buy a green bone cutter, get bones from the butcher and grind them up. If you cannot afford the bone cutter get the bones and boil them, making a soup wherewith to moisten the mash feed. Then cut up the bones with an ax or a maul. In addition to the above, supply grit, charcoal and clean water, and your hens ought to lay all winter.

The early hatched pullets will soon be beginning to lay. It would be a good idea to watch these pullets and mark those that lay the earliest. The pullets that lay first and longest are ideal breeders from which to establish a prolific laying strain. Keep all such pullets and in the hatching season give their eggs to some good brood hen and keep the strongest of the chicks. When they have reached maturity, it must be remembered that the males as well as the females come from a laying strain. In mating them the following year, cull out all the poor layers and in a few years you will have a strain of heavy layers that will be a source of pleasure and profit to you. It is only by selection of the best and the elimination of the poorest, that the different strains of poultry can be improved. To such a system is due the great improvement of the breeds of poultry we now have from the original jungle fowl of India. We have improved the flesh in quality and also in quantity and the egg yield of a couple of dozen a year to two hundred and fifty eggs per year.

Dear Sir: Can you suggest some remedy for my chicken troubles. There were symptoms of roup about six weeks ago but the chickens now do not show such symptoms. Two hens died that lost control of neck muscles. They were unable to hold their heads still and twisted the head in every way as if dizzy. My young chicks some of them now are either getting stiff or lame in their legs and have no appetite.

I feed oats and some wheat and bran in a self-feeder in the a. m. In p. m. they have the range of farm and barns and stables. I'll be glad for any suggestion through the columns of your valuable paper.

I thought the lameness probably due to rheumatism but the weather has been very dry and hot except that we have not had over seven inches of rain since May first.

Ans.—The symptoms you describe indicate that your chickens are suffering from a disease called "limber-neck," because it affects the muscles of the neck, causing the head to drop down. This disease is caused by the fowls eating some putrid animal matter; a dead rabbit, or hog or fowl may be the cause. The remedy, of course, is to keep the fowls away from such carrion.

A subscriber wants to know how to make a kerosene emulsion. We gave a recipe for such not so very long ago, but as this is the season for cleaning the poultry house, it may benefit others to have the recipe. Here it is: Take two gallons of kerosene oil, half a pound of whole oil soap or a quart of home-made soft soap and one gallon of water. Dissolve the soap by boiling in water. Then remove from the fire and immediately add the kerosene. Beat this mixture rapidly; yes, beat it violently until the emulsion is as smooth as beaten cream. Bear in mind, the vessel used in mixing this emulsion must be sufficiently large to hold a considerable increase in measure, as the bulk is nearly or quite doubled in emulsifying. One part of emulsion to seven parts of water is used to dilute the mixture for application to poultry houses, drop boards and nest boxes. Add one to two ounces of crude carbolic acid to the diluted emulsion just before applying. This is a splendid disinfectant and insecticide to use about the poultry house. If thoroughly applied to all the cracks and crevices it will kill all the lice and mites infesting the house and make it a comfortable roosting place for the fowls during the winter. Apply it as often as you think necessary to keep away the vermin. It is a cheap ingredient and it is better to apply it too often than not often enough.

Could you tell me what kind of chickens sell best of the day-old incubator chicks? I would like to try raising some to ship next season and wonder what breeds there is most demand for.—Mrs. C. H.

Ans.—There is no data at hand whereby one could determine which breed of baby chicks sell the best. It would all depend upon what the customer wanted to do with the chicks; to raise them for broilers or to keep them for breeding purposes. If for broilers, the Plymouth Rocks, Wyandottes, Orpingtons and R. I. Reds are all good. If wanted for breeding purposes, the demand would call for a great variety of breeds, according to the individual preference of the purchaser. In order to find out which was the most popular fowl in the United States, some six years ago, promised to publish an exclusive standard for such breed. It sent to the secretaries of all the principal poultry shows for the number of fowls of each breed that were exhibited at their shows. From the reports received, the Plymouth Rocks were decidedly in the majority, and won their standard. Similar reports were called for the next year, eliminating the Plymouth Rocks, and the Wyandottes were found to be the next popular fowl to the Plymouth Rocks. The next year the Leghorns won, and this year the Orpingtons came in ahead. Therefore we find that the Plymouth Rocks, Wyandottes, Leghorns and Orpingtons in the order named, are the most popular fowls in the United States as determined by the greatest number exhibited at poultry shows. This might guide one as to which breed of baby chicks are most popular, as naturally the preference for the young chicks would be in about the same proportion as the liking for the adult fowls.

## A Ticket to California for \$25

That's what a one-way second-class ticket from nearly all Santa Fe stations in Kansas and Oklahoma to California may be bought for September 15 to October 15 inclusive. The same or corresponding fare from points on other lines in connection with the Santa Fe.

If you buy one of these tickets you will save considerable money—in many cases as much as \$15. Isn't that worth something to you? If you contemplate visiting the Pacific Coast, Arizona, Mexico, or a number of other places in the Southwest this fall, why not plan to go while these cheap tickets are on sale?

You may travel in tourist sleepers or free chair cars,—both carried on each of the Santa Fe's three fast trains that leave Kansas City daily. These

### Tourist Sleepers

are of latest design and have electric lights, good beds, large dressing rooms and men's smoking rooms. Very liberal stop-over privileges give chances to visit Grand Canyon, Yosemite Valley and other points of interest.



If you are interested, I will send you a copy of "Tourist Sleeper Excursions" and other literature.

J. M. CONNELL, Gen'l. Pass. Agt. Topeka, Kansas

## SIMPLE-STRONG SAFE

We make no "free" offer as many others do. No "bait" or "catches" in our advertising. We want to give you an honest, straightforward, businesslike proposition on the strongest, simplest, most economical and best HIGH GRADE gasoline engine made—2 1/2 to 16 H. P.—Every part made and tested in our own factory—So simple a child can run it—GUARANTEED 3 YEARS by one of the oldest, largest and best known manufacturing firms in the U. S. Write for our free catalog. SMITH & SONS MFG. CO. 1424 Gilmotte, KANSAS CITY, MO.

When writing advertisers, please mention KANSAS FARMER.

## PRODUCTION WITH PERMANENCY

Is The Agricultural Problem of Today

Permanent fertility means maintaining the three necessary elements of plant food.

Your subsoil contains inexhaustible potash. Alfalfa supplies the nitrogen.

**YOU NEED PHOSPHOROUS**

The only permanent and economical source of phosphorous is finely ground phosphate rock.

Write us. We lead in quality and price.

Federal Chemical Co. Ground Rock Dept. Columbia, Tenn.



We can furnish or make any parts for guns, rifles, revolvers, bicycles and motorcycles. Send us your work or write for prices. Expert repairing our specialty.

Graf Gun & Cycle, Works 2205 East Ninth St. KANSAS CITY, MO.

### Buy at factory prices!

If you want a guaranteed roofing that you can rely on to stay "tight" in any kind of weather; at a price that only a factory could offer, write today for free sample and our special terms direct to you. We pay the freight to your station, too. Your penny postal will save you dollars—mail it today.

BUCK ROOFING CO. St. Louis, Mo. Dept. G

## OLD BUCK ROOFING

### 25 YEARS SERVICE



is a common performance for the ECLIPSE WINDMILL

The Eclipse is designed for durability. There are only four wearing parts. One wheel turn gives a pump stroke. The side vane swings the mill into safety in storms. Material is ample and right. The head casting is thick and wide. Main bearing and pivot are long and rigid. Basswood is used for lightness, seasoned ash and "heart of oak" for strength. All parts are made exact and fit firmly together. For valuable information on windmill durability and efficiency write for Catalog number DH898

Fairbanks, Morse & Co. Chicago Omaha St. Paul Kansas City St. Louis Denver

### SPECIAL PRICE ON DICKEY HARD BURNED TILE

Good until Oct. 15. All orders received before this date are entitled to a clean discount of \$2.00 to \$3.00 a thousand feet according to size. Write for our cut prices today! It's a shrewd buying chance, if you are planning any drainage on your land this Fall. You should get our government pamphlet on farm drainage, read it, and satisfy yourself that DICKEY HARD BURNED TILE meets all the requirements of a standard farm drain tile. This pamphlet is free, as well as any other information or advice we can give you on this subject. When you once compare our prices and know our tile, you are sure to buy. W. S. Dickey Clay Mfg. Co., 204 New York Life Bldg., Kansas City, Mo.

### TREES

Of all kinds at WHOLESALE PRICES. Save agent's commission of 40 per cent by ordering direct from us. Premium with each order free of from 1 to 4 trees; roses, shrubs or other stock. Stock guaranteed first class. Certificate of inspection furnished. Don't delay, send for price list now. Address Box K, WICHITA NURSERY, Wichita, Kansas.

Steel Wheels will make your old farm wagon as good as new. Save money because they never need repairs. Write for our big free book telling all about them and how they pay. Empire Mfg. Co., Box 45 OQuincy, Ill.

ASK DEALERS For Clark's Self-Shedding Spear-Point Huskers. Send for special sample No. 1. Russia red or brown. Send \$1.10 for 3 best Huskers. Postpaid. R. F. Clark, 54 W. Lake St., Chicago.

EXCEL POLAND CHINAS Bred for quality and size. Address, ALVIN LONG, Lyons, Kan.

LIFE STOCK INSURANCE—Cheap and reliable. Write for our plan. Geo. Withers, City Center, Kan.

KANSAS FARMER STOCK KNIFE. Reduced Size. This is the handiest and best stock knife on the market. Buffalo horn handle. German silver inlaid. Large scimitar blade, hoof blade and smaller pen blade. Brass lined. A beauty and fully guaranteed. Would cost \$1.00 to \$1.25 in any retail store. Sent prepaid to any subscriber of Kansas Farmer for only 65 cents. Given free to any old or new subscriber sending \$1.00 for a year's subscription and 15 cents extra for shipping. KANSAS FARMER, Topeka, Kan.

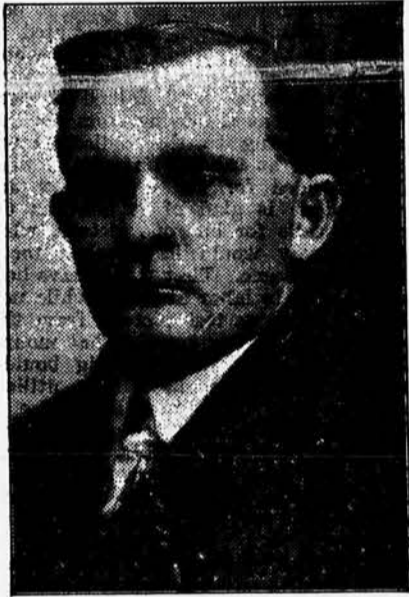
### The Kansas State Fair

(Continued from page 8.)

Exhibitor—1, Lamer; 2, Percheron Importing Company; 3, Robison. Champion Stallion—Owned by Exhibitor—Watson, Woods Bros. & Kelly on Gervaise; Reserve, Percheron Importing Company on Inelus. Champion Mare, Owned by Exhibitor—Robison on Ruth; Reserve, Corsa on Favorite. Grand Display, Five Stallions—1, Lamer; 2, Percheron Importing Company; 3, Robison. Champion Stallion—Watson, Woods Bros. & Kelly on Gervaise.

French Draft. Aged Stallions—1, Neiswender & Quincy on Samson. Three-year-old—1, 2 and 3, Rhea Bros. on Blue Boy, Blair and Tapejor, respectively. Two-year-old—1, Robison on Visor; 2, Rhea Bros. on Exeter; 3, Rhea Bros. on Prince. Three-year-old Mares—1 and 2, Robison on Suzane and Castile. Yearlings—1, Robison on Ellina. Champion Mare—Robison on Suzane. Champion Stallion—Robison on Visor. Four Animals, Either Sex, Bred by Exhibitor—1, Robison. Best Three Mares—1, Robison. Yearling Stallion—1 and 3, Robison; 2, Jurgens on Champion.

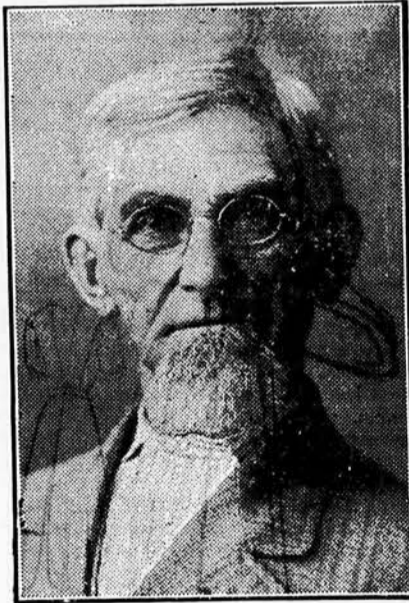
Belgians. Exhibitors—Percheron Importing Company, St. Joseph, Mo.; Shaffer & Son, Fulton, Kan. Judge, J. H. Huston. Aged Stallions—1, Percheron Importing Company on Piston; 2, Shaffer & Son on



DR. O. D. WOLF, Superintendent Cattle Department.

Daniel; 3, Shaffer & Son on Robert. Two-year-olds—1, Lamer on Bristol Kiel. Champion Stallion—Percheron Importing Company on Piston.

Shires. Exhibitors—Percheron Importing Company, South St. Joseph, Mo.; Watson, Woods Bros. & Kelly, Lincoln, Neb.; Jacob Howald, Hoyt, Kan. Judge—J. H. Huston, Blandinsville, Ill. Aged Stallion—1, Percheron Importing Company on Hobling Albert; 2, Watson, Woods Bros. & Kelly on Barton Forester; 3, Jacob Howald on King. Two-year-olds—1, Watson, Woods Bros. & Kelly on



JOSHUA BROWNING, Superintendent Sheep Department.

Nailstone Waggoner; 2, Percheron Importing Company on Prince Carlton. Champion Stallion—Watson, Woods Bros. & Kelly on Nailstone Waggoner.

German Coach Horses. Exhibitors—C. W. Lamer, Salina, Kan.; Held Bros., Hinton, Ia.; Weir & Son, Judge—L. M. Monsees, Smithton, Mo. Aged Stallion—1, Held on Enzlu; 2, Weir & Son on Menelas; 3, Held Bros. on Rantner; 4, Lamer on Marchin. Three years and under 4—1, Held Bros. on Edelfurst; 2, Weir & Son on Alfa of Lawnsdale; 3, Held Bros. on Von Moltke. Two years and under 3—1, Held Bros. on Major; 2, Weir & Son on Maximus. One year and under 2—1, Weir & Son on Donald. Aged Mares—1, Weir & Son on Muti; 2, Held Bros. on Die Noble. Two years and

# Poland China Sale

"THE MICHAEL KIND"

Erie, Kan., Tues., Oct. 10

Expansion Boy The Biggest Smooth Boar in S. E. Kansas Heads Herd By Mammoth Ex. By Expansion See By Expansion; Dam Growthy Naomi 2nd.



25 choice spring boars—a lot of herd headers. They are large and growthy; the best bunch I ever raised. All large type breeding. spring gilts, large and smooth. The pick from my herd. They are the real Michael kind, and sold on an absolute guarantee.

Catalog is ready to mail out. Send your name early, and arrange to come to my sale. If you cannot come, send a bid to me or O. W. Devine, representing the KANSAS FARMER, in my care.

FRANK MICHAEL, Erie, Kansas

under 3—1, 2 and 3, Held Bros. on Thatus, Amortia and Hella, respectively. Champion Stallion—Held Bros. on Enzian. Champion Mare—Weir & Son on Muti. Four Animals, Bred by Exhibitor—Weir & Son. Grand Display (5 stallions)—Held Bros.

Morgan Horses. Exhibitors—Soward & Mignott; D. L. Viles, Leocompton, Kan.; Luscomb. Judge—L. M. Monsees, Smithton, Mo. Aged Stallions—1, Soward & Mignott on Captain Morgan; 2, Viles on Mystic Morgan; 3, Luscomb on Colonel Mills. Aged Mares—1, Soward & Mignott on Geneva. Under 4 years—1, Soward & Mignott on Marguerite.

Mules. Pair (not less than 2400 pounds weight)—1, J. W. Bell, Topeka; 2, H. W. McAfee, Topeka. Champion—To Bell.

Shorthorns. Exhibitors—Tomson Bros., Dover, Kan.; Rapp Bros., St. Edwards, Neb.; C. S. Nevis, Chiles, Kan.; H. Rees, Pilger, Neb.; Saunders, Manilla, Ia.; Hall, Carthage, Mo.; Luckbaugh, Watonga, Okla.; White, Burlington, Kan.

Judge—T. G. Patterson, Manhattan, Kan. Aged Bull—1, Hall on Golden Grove; 2, Hall on Hallwood Stamp; 3, Rapp Bros. on Royal Cumberland; 4, Nevis on Hallwood Goods. Two years and under 3—1, Thompson on Imperial Vinton; 2, Saunders on Archer Cumberland; 3, Luckbaugh on Lenoras Prince; 4, White on Titus. Senior Yearling—1, Saunders on Royal Cumberland; 2, Rapp Bros. on Foxy Favorite; 3, Nevis on Searchlight Junior; 4, Thompson on Masterpiece. Junior Yearlings—1, Nevis on Prince Valentine; 2, Rapp Bros. on Cash Tip; 3, Saunders on Prince Cumberland; 4, Luckbaugh on Violet Search. Senior Bull Calf—1, Rees on Royal Goods; 2, Hall on Hallwood Ladd; 3, Rapp Bros. on Pleasant Prince; 4, Tompson on Royal Knight. Junior Bull Calf—1, Saunders on True Cumberland; 2, Rapp Bros. on Village Pride; 3, White on Great Scott; 4, Nevis on Searchlight K; Kansas Specials Bull Any Age—1, White on Great Scott; 2, Nevis on Searchlight.

Aged Cows—1, Lookabaugh on Charming Rose 3d; 2, Nevis on Lady May; 3, Rapp Bros. on Lady Dorothy 5th; 4, Saunders on Lake Park's Lenora. Two-year-old Heifers—1, Thompson on Daisy Queen; 2, Rapp Bros. on White Lily; 3, Nevis on Nellie Barmpton; 4, Hall on Hallwood Countess 3d. Senior Yearling Heifer—1, Rees on Lilac Goods; 2, Rees on Alice of Cedar Lawn; 3, Hall on Hallwood Rose 5th; 4, Lookabaugh on Maxwell Clipper 5th. Junior Yearling Heifer—1, Rees on Sittyton Goods; 2, Saunders on Mildred Snowball; 3, Rapp Bros. on Queen of Hearts; 4, Saunders on Bonnie Cumberland 2d. Senior Heifer Calf—1, Rapp Bros. on Pleasant Mildred; 2, Rees on Sylvia Goods; 3, Nevis on Princess Rose; 4, Hall on Hallwood Josephine. Junior Heifer Calf—1, Hall on Hallwood Countess 5th; 2, Saunders on Gypsy Cumberland; 3, Saunders on Lookie's Lady. Senior Champion Bull—Hall on Golden Grove. Junior Champion Bull—Saunders on

Royal Cumberland. Grand Champion Bull—Saunders on Royal Cumberland. Senior Champion Cow—Tomson on Daisy Queen. Junior Champion Heifer—Rees on Violet Goods. Grand Champion Female—Rees on Violet Goods. Aged Herd—1, Rapp Bros.; 2, Saunders; 3, Nevis. Young Herd—1, Rees; 2, Saunders; 3, Rapp Bros. Calf Herd—1, Saunders; 2, Rees; 3, Hall. Get of Sire—1, Rees; 2, Saunders; 3, Tomson.



GEORGE W. BERRY, Superintendent Swine Department.

Produce of Cow—1, Saunders; 2, Hall; 3, Lookabaugh.

Herefords. Exhibitors—Robert H. Hazlett, El Dorado, Kan.; Makin Bros., Grand View, Mo.; Hugh Whiteford, Guilford, Mo.; Klaus Bros., Bendena, Kan.; C. G. Clements, Ord, Neb.; Smith J. Gabbert, Dearborn, Mo.; Jones Bros., Council Grove, Kan.

Judge—N. H. Gentry, Sedalla, Mo. Aged Bulls—1, Makin Bros. on Paragon 12th; 2, Klaus Bros. on Beau Onward; 3, S. J. Gabbert on Beau Folly. Two-year-olds—1, Hazlett on Beau Sturges 2d; 2, Jones on Beau Monarch 5th; 3, Klaus on Fulfiller 25th; 4, Clements on Freighter 8th. Senior Yearling Bulls—1, Hugh Whiteford on Parsifal 21st; 2, Klaus on Fulfiller 31st. Junior Yearling Bulls—1, Clements on Sensation; 2, Klaus Bros. on Beau On-

Continued on page 18

**EAT MORE COCOANUT**



It is nearly 99% food value, and is incomparable as a muscle builder.

**BAKER'S Shredded Coconut**


Is simply the dried meat of the nut in concentrated form. It is easily digested. Children eat it between meals—they like it. It supplies their bodies with energy and muscular power. Very few products exceed it in per cent. of nutrition.

**10 and 20 cent packages**  
Ask us for a copy of Baker's Recipe Book, or write us—FREE.

**THE FRANKLIN BAKER COMPANY**  
No. 1 Fairmount Ave., Philadelphia



The Kokynut Kids are making Baker's Coconut famous. SAVE THE COUPONS




**Star Steam Washer**

Different and better than others. It saves labor where others do not. Washes a horse blanket or a lace curtain equally well and does a perfect job without injury to any fabric. Five minutes will thoroughly clean washer full of white clothes.

A real woman saver. Needs neither man nor woman to turn a hard-pulling crank. A frail woman can move it about easily. Ought to be in every home, as a woman's right. Over 100,000 in use and giving satisfaction. Write for full particulars and special low prices.


**STAR STEAM WASHER CO.,**  
Box 92, Garnet, Kan.



**The Business College of Topeka.**  
The leading business men of Topeka share in the ownership of Dougherty's Business College. Men whose names are well known in all parts of Kansas have a part in its management.

This is an immense advantage to our graduates in securing positions. Write for literature. Address


**Geo. E. Dougherty, Pres.**  
Dougherty's Business College  
114 West 8th Ave., Topeka, Kansas.



**WICHITA BUSINESS COLLEGE**


We have a plan, that will enable every ambitious, energetic young person to prepare for a splendid position. If you are in earnest, write us and we will outline our plan. The choicest opportunities are few, so write at once.

**WILL G. PRICE, Pres.,**  
114-116 NORTH MARKET,  
Wichita, Kan.



**Do Not Attend Business College Until**

You see our 76-page beautifully illustrated catalogue. A business education counts when making application for a position. The business college graduate is always given first consideration. We furnish graduates positions anywhere in America. Catalogue free. Salt City Business College, Box 353-B, Hutchinson, Kan.



**LAWRENCE Business College**  
Lawrence, Kansas.

Write for our beautiful illustrated catalog free. It tells all about the school, contains school room views, shows students at work, and will tell YOU how to fit yourself quickly and at small expense for a good position. We secure the position for you. P. O. Box 1414 Lawrence Business College, Lawrence, Kans.

# HOME CIRCLE



It is said that colored goods which have become faded from laundering can be bleached a beautiful white by soaking for three or four days in sour buttermilk.

A new suggestion for use when preserving or making catsup is to keep four or five marbles in the bottom of the kettle. The heat makes them roll around and prevents scorching.

**Boston Mother**—If you had my faith in Christian Science, darling, you would have no toothache.

**Little Daughter**—Well, mother, if you had my toothache you wouldn't have any faith.

**Lemon Cream Pudding.**  
Beat yolks of 4 eggs with 4 teaspoonfuls of sugar. Add juice and grated rind of 1 lemon with 2 tablespoonfuls of boiling water. Simmer until thickened, then add stiffly beaten whites to which 2 tablespoonfuls sugar have been added. Chill and serve cold.

**Cream Puffs.**  
One-half cup butter, 1 cup boiling water, 1 cup flour, 4 eggs. Put butter into water and when melted add the sifted flour and cook until it cleaves from the side of the dish. Remove from the fire and beat in thoroughly the eggs one at a time. Bake in a slow oven 45 minutes.

**The Yard Beautiful.**  
An old subscriber to the KANSAS FARMER writes that he has learned to value beauty about the home grounds for its esthetic as well as its commercial worth. He says:

"It has often been a mystery to me why a few otherwise progressive farmers seem to care nothing for the appearance of their yards, either from their own windows or the highway.

"There are, once in a while, farmers that seem just to exist. Life to them seems to consist of hard work, no amusements—just the right to breathe. What these glum never-let-up-and-no-fun people get out of this life except their work and a few clothes is hard to tell. As a general thing, the younger members of such a family drift to the cities, while the wife and mother looks as if she was about ready to go, too.

"In contrast to this are the farmers who take pleasure in life as they live it. A certain family moved onto a piece of school land about 15 years ago. A portion of the 40 had been cut over by the 'skinners' years before and the second growth timber was now of some size for fence posts and pole rails. Hard work and keeping at it in a systematic way had made the 40 an income provider and it now works for the owner night and day.

"Their front yard was a place in front of which the teamsters always liked to rest their horses. Indeed, the scene was a tonic, but the most handsome picture was presented from the porch. Summer or winter the view from the house, after a period of hard work, was restful. To be restful it must be so arranged as to all be in accord with the tree, shrub or vine. This yard was a harmonizer. There was no part of the scene but what any farmer could have. I was so much impressed that I asked the owner if they had hired much help to build the picture.

"None at all," she said. "The girls and I have done most of the work. We commenced in the fall about 15 years ago. As this part of the 40 is rough, it had to be leveled and formed as we wanted it to be. That was the hardest work. The children were small and the new cellar had left things in a bad shape. There used to be a large gully running across the yard to another ravine. Everything looked very discouraging. We borrowed the road district scraper, I drove and we went to work. I have been glad ever since. We commenced in the fall and have made the fall a general repair time of digging and feeding manure.

"By keeping at it at odd times I think we now have a more than common yard.

"The adding of a little each year

and the keeping of the whole up has not been much of a tax. Indeed, the work has been so small and the system so simple that a child 14 years old could have done it all if told what to do. Winter and summer notes are made by any member of the family. Whenever one has noticed breaks in the continuous summer bloom or winter picture he pointed out what might remedy the defect. This book is kept hanging with a pencil in the sitting room. It was after one of these entries that elm was placed by that cottonwood corner, just for its feathery spray in winter.

"At first we were undecided for a long time which view to work at—the one from the highway or the one from the house. Father voted for the highway. Said it would add to the cash value of the farm. I wanted it a view from my sitting room window, but thought best to say nothing. Father consented to leave it to the three girls, two of whom were doing well in school. They went out into the highway and talked it over. First looking as if driving from the east and then going to the Indian mound and looking at the yard from the west. They decided for the house view and even father is glad of it now, as the window calls for but one picture, while the highway would have asked for a changeable scene. That would have been more costly in labor at least, while now it is a fairly perfect picture from this porch or the sitting room. That mound, those road trees and that big boulder left by the glacier, have been utilized as a frame. While that little rise to the east helps to finish the background.

"Yes, we plan ahead. The girls, father and I every fall gather about a table with our note-book to be read and a plan before us, patch up the yard anew on paper. Our greatest trouble is to keep a blend of color and "rest." That is, not to have any discords or disturbing elements creep in. Every one can patch as we do, but a landscape scene can be spoiled by overdoing or by introducing flowers in such a manner as to cause a bed quilt effect. Simplicity should rule."

**8924—A Neat Work Apron.**  
No woman can have too many of these useful work aprons that cover the whole dress. The usual apron materials, such as percale, linen, gingham, cambric and Holland are all suitable for the making. The front is in Princess effect and the



side bretelles over the shoulders are always becoming. The pattern is cut in three sizes: Small, medium and large. The medium size requires 3½ yards of 36-inch material. A pattern of this illustration mailed to any address on receipt of 10 cents in silver or stamps.

**WALDEN COLLEGE**  
McPherson, Kans.,  
"A Good School in a Good Town."

**COURSES: COMMERCIAL, STENOGRAPHIC and MUSIC**

Splendid faculty and equipment. Commercial instructors, besides their thorough college training, have had 5 years to 20 years experience in active business life. They have not only the theory, but the best of modern practice as well. Graduates don't have to begin over again when taking their first positions.

**LOW TUITION**  
**LOW LIVING EXPENSES**  
**EFFICIENT, PRACTICAL TRAINING**

Students enter at any time. Special attention to those back in previous study. Fine modern sanitary building, steam heat, electric light. Comfortable and convenient living with the best of influences and environment. Write today for further information as to exact cost, terms, scope of work, etc. Address



Principal  
McPherson, Ks.

**BUSINESS TRAINING**

Increases every man's efficiency as a producer. It helps to save waste and loss of effort, time and product. Every farm is a business institution and business training for the farmer is an every day necessity. The

**PRACTICAL COURSES**  
in our school are specially designed to meet the needs of young men and women of the farm. Cost is relatively small; our work of highest efficiency. The success of our graduates proves this. Save time and expense by coming to us. Write today for full particulars.

**FREDONIA BUSINESS COLLEGE,**  
Fredonia, Kansas.

**Old Favorite Songs FREE**


The best ever written—the songs that are loved most and are the delight of every home. The Star Collection. 50 pieces, words and music—Dixie, Lily Dale, Juanita, Rocked in the Cradle of the Deep, Robla Adair, Love's Old Sweet Song, Nelly Gray, Annie Laurie, Hall Columbia, Last Rose of Summer, My Maryland, Goodnight Ladies, Old Oaken Bucket, Old Folks at Home, Auld Lang Syne, Kentucky Home, and hosts of others. Only publication that has this complete collection. Send us the names of five friends who have square pianos or organs and **WE WILL MAIL YOU THIS BOOK ABSOLUTELY FREE.** Write today for the Star Collection of Old Favorite Songs. Supply is limited. Address F. G. SMITH PIANO CO., 1025 Grand Avenue, Kansas City, Mo.

When writing advertisers please mention KANSAS FARMER.

**Traction, Gas and Automobile Engineering**

Each course may be finished in three months. Students work right in our shops, traction engine house and auto garage. Repair and drive engines and automobiles.

**Highland Park College**  
Gas Engine Course may be taken with either this Traction Engine or Auto Course without extra tuition. The students do the work. Very little text book study. Small tuition fees. Low cost of living. New shops and equipment. Also Machinists' and general engineering courses. Send for catalogue. O. H. LONGWELL, Pres. Des Moines, Iowa.



**Strickler's TOPEKA BUSINESS COLLEGE**

Superior, up-to-date methods. 25 years continued success. Students in every state in the U. S. A good position for every competent young man or woman. Write us.

111-13-15-17 East Eighth St., Topeka, Kan.

**Emporia Business College**

Clean moral surroundings. Special courses for farmer boys and girls. Free catalogue.

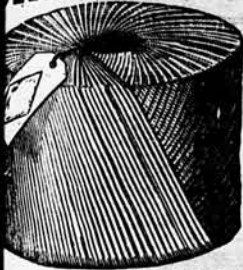
Emporia, Kans., Box F.

**Ottawa College**  
Business Catalogue

**KANSAS CITY Business College**  
N.E. CORNER TENTH AND WALNUT STS.  
For catalogue address O. T. Smith, 600 106 E. 10th St., Kansas City, Mo.



# BINDER TWINE



## 6 3/4 C Per Pound

### O. B. KANSAS CITY

Our celebrated "DIAMOND" brand of Standard Binder Twine has an established reputation, and recognized by all the large threshers and farm-throughout the country as the very best. It is made of long, clear fibre, evenly spun, and is full 500 feet to the pound. It is thoroughly insect proof, and we guarantee to work in any binder made. Put up in 50-lb flat bales, shipped from Kansas City, and the price is 6 3/4 c per pound. Get orders in early. Write for new complete Supplement Catalog.

**JONES, POST & CO.**  
Successor to JONES BROS. MERC. CO.  
Liberty Street, Kansas City, Mo.

## LET US TAN YOUR HIDE.



Cattle or Horse hide, Calif. Dog, Deer, any kind of skin with hair or fur on. We make them soft, light, odorless, and moth and water proof, and make them into coats (for men or women), rugs, or gloves when so ordered. Our fur goods will cost you less than you buy them, and be worth more. It will certainly pay you to look into it. Our illustrated catalog gives a lot of information. Tell how to take off and go for hides; how we pay the freight both ways; about our marvelous brush dyeing process which is a tremendous advantage to the customer, especially horse hides and calf skins; about goods we sell, taxidermy, etc., but never send out this valuable book except upon request. If you want a copy send in your correct address. The Crosby Frisian Fur Company, 571 Lyell Ave., Rochester, N. Y.



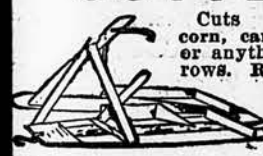
### Time Has Told

You don't need to experiment on a remedy for Spavin, Ringbone, Curb, Splint, Capped Hock, Swollen Joints, or any lameness of horse or man.

### Kendall's Spavin Cure

has been the unerring remedy for 40 years. Silver Creek, N. Y., Apr. 5, 1909. Dr. B. J. Kendall Co., Enosburg Falls, Vt. I have used Kendall's Spavin Cure for the last 15 years, and it never has failed to do all that is claimed for it. Would not be without it. O. A. Dahlman, \$1 a bottle, 6 for \$5. At all drug stores. Ask for free book, "Treatise on the Horse," or write to—DR. B. J. KENDALL CO., ENOSBURG FALLS, VT.

## GREEN CORN CUTTER



Cuts and gathers corn, cane, kafir corn, or anything planted in rows. Runs easy. Long lasting. Thousands in use. Fully protected by patents. Send for free particulars.

J. A. COLE, MFR., TOPEKA, KAN.

## WE WANT A GOOD MAN OR WOMAN—TO ACT AS GENERAL AGENT.

Selling our new and winning meritorious household necessity. It is easy to sell an article that people actually need in daily life. Appeals to the housewife on account of being economical; repeats quickly and sells the year around. Yields large profits to the agent. We want to hear from applicants having a good standing in their community and those willing to hustle. The opportunity affords you a permanent and pleasant business. If you have the ability to sell goods, send full particulars. If you desire a sample send five 2-cent stamps for regular 25c package.

FAMOL PRODUCTS CO., 1237 Famol Bldg., Wash. D C

## \$35.00 NO MIDDLEMEN



1 1/2 H. P. GASOLINE ENGINE. Made in four other sizes, 3, 5, 6 and 8 H. P. at proportionately low prices. Sold on 30 days free trial. Guaranteed Five Years. Full information free. OTTAWA MFG CO. 603 King St. Ottawa, Ks.

## Seed Wheat

SEED WHEAT. Zimmerman, Fultz, Blue Stem varieties. Selected and graded seed. Write for prices. The Deming Ranch, Oswego, Kans

# HORTICULTURE



### A New Apple?

I am sending you an apple by mail and I wish you would have some horticulturist inspect it and tell me what kind it is and if it has a name. This is the first year that it has borne fruit, as the old tree died down and the present tree came from the roots. These apples look like crab apples and taste like them. The seed is black when half grown just like a crab. The tree is of upright growth with a very rich, light colored bark. I would like to know its name, if it has one, and if it is a late fall apple. I think that if it were propagated it would be a fine apple to grow. I could sell a large number of bushels to my neighbors if I had enough to spare.—Charles F. Reeves, Route 5, Yates Center, Kan.

According to request, this apple was sent to Prof. Albert Dickens, of the State Agricultural College, who is the first authority on horticultural matters in the state. Prof. Dickens replies as follows: "We have examined the apple received from Mr. Charles F. Reeves, Yates Center, and recognize in it an old time friend that is known in this state as the Jonathan apple. I am sorry that I cannot find any taste that resembles the crab apple in this fruit, but Mr. Reeves can make no mistake in propagating and growing more of this excellent fruit."

### Fruit in Western Kansas.

My success in tree planting, so far as I was able to go, was made on timber claims and when I proved up these were neglected and tree culture dropped. In this country, as well as in any other, trees that are not cultivated will die. Ash and black locust were most hardy and successful. In buying my present ranch which now

grow for another 24 years." The height of the man in the picture will give a good idea of the growth of the trees.—M. L. Chandler, Goodland, Kan.

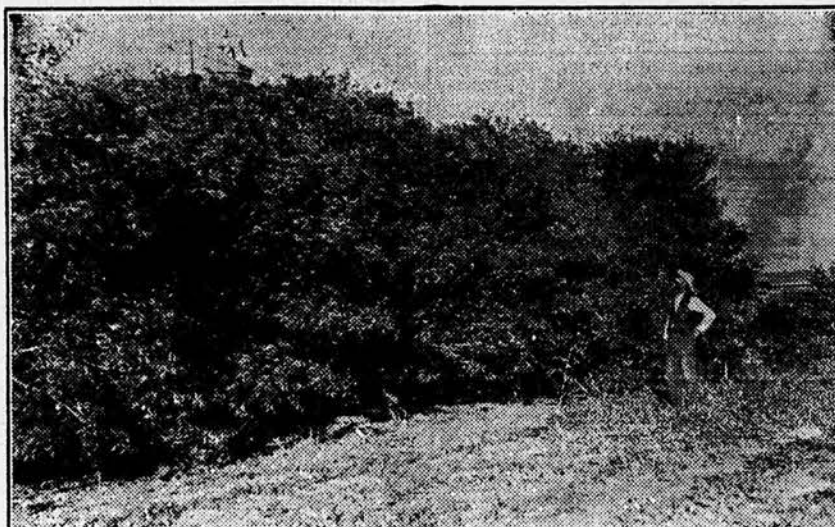
As Mr. Chandler lives in the extreme western portion of Kansas and near the Colorado line the results of his efforts in tree culture are interesting, and when his success in fruit growing is known his work is doubly valuable. Western Kansas will grow trees and fruits, but not without care.

### Greenwood County Fair.

Last week Eureka, Kan., pulled off one of the best fairs it has ever held. However, had the fair been more widely advertised, the attendance would have been much larger than it was. All things considered, the fair must have been encouraging to its managers, who have worked faithfully and enthusiastically for its success. The weather man contributed materially to the success of the fair. It was clear and not excessively warm. While the fair was not this year a race meet, yet the racing was good. The track record was broken in the 2:15 trot, and in the 2:15 pace. Several special features were on the ground. Only a fair exhibit of agricultural products were shown this year. Two herds of Shorthorns were exhibited by Dr. R. A. Stewart of Hutchinson and W. G. Brookover of Eureka. Herefords were shown by the Jones Brothers of Council Grove, Kan., and T. I. Woodall of Fall River, Kan. A goodly number of other live stock were shown in horses, mules, sheep and hogs. Owing to lack of space, we omit report of awards in full.

### McPherson County Fair.

Last week McPherson county held a



TWENTY-FOUR YEAR OLD CHERRY ORCHARD NEAR GOODLAND, KANSAS. GROWN BY M. L. CHANDLER.

consists of 4,840 acres on the Smoky Hill river, I had to leave off my care of the trees as a whole and look after my immediate finances. I came here in 1886 a poor man with only \$5, and have had my share of economy and hard work, but on my home ranch I have made a good showing and made good with my May cherry orchard, for both fruit and as a wind-break for stock.

A grand success may be made by planting May cherries in large tracts, with trees set about 10 feet apart each way. Then plant red cedars from 6 to 8 feet apart on the north and west sides of the orchard, as this is the most hardy of all the evergreens for this country and they will grow with but little care or attention. They make splendid wind-breaks and catch all the snow drifts and hold the moisture for summer use, thus saving the cherry trees and aiding in their growth.

Red cedars are easy to grow and those of 2 or 3 years of age are the best size to plant. Tree planting is all right, but they must be cultivated if success is attained by the owner.

The May cherry is a hardy tree for this western country and will make good to the owner if he gives it his care. The orchard shown in the picture has been growing for 24 years and is still hardy and vigorous and looks like it would

real fair. This does not mean that it was above criticism, or that it might not have been better; it means that it had all the ear marks of a big fair. There were exhibits in plenty and the fair was attended daily by good crowds of enthusiastic people. There were many special features and prominent attractions to amuse the people. Prof. Crabtree of the Kansas Agricultural College at Manhattan gave a splendid lecture each day that was very pleasing to the people. This is a work that is doing much good and should be encouraged by the agricultural press. Several good herds of cattle were shown and the classes were quite well filled. Dr. R. A. Stewart of Hutchinson showed a fine herd of Shorthorns, C. S. Sutton of Lawrence, Angus, and Jones Bros. of Council Grove, Kan., Herefords, and these were the leading beef breeds. Mr. Frederick Houghton of Galva, Kan., exhibited a fine herd of Guernsey cattle. All the classes in the horse departments were well filled, while the swine department was light, but the quality good. We omit the awards in full for lack of space.

If you make mountains out of mole hills, don't expect others to like your ideas of topography.

## Build Your Hogs A Wallow

One of the greatest preventives against hog cholera and other diseases is a hog wallow made from Dr. Hess Dip and Disinfectant.

This powerful germicide is a positive lice killer; it keeps the hog's skin clean and cures all parasitic skin disorders.

### Dr. Hess Dip and Disinfectant

should also be used for disinfecting the hog pen—to drive out the filth and keep the place sweet smelling.

Dr. Hess Dip and Disinfectant meets the U. S. Government's requirements for official dipping for sheep scab. It is non-poisonous and non-irritating.

Sprinkle it in your henneries, stables and barns, pour it down sewers, sinks, troughs, etc. One gallon of dip makes 70 to 100 gallons solution. Write for our dip circular.

DR. HESS & CLARK, Ashland, Ohio



YOU NEED

## FITZ OVERALLS

They are made better and wear longer, superior in strength, quality and materials, your full money's worth in every garment.

Write for free Fitz Book.

Burnham, Munger, Root D. G. Co. KANSAS CITY, MO.



Increase your crop 25 to 50 per cent WITH THE GREAT

## WOOSTER LAND ROLLER AND PULVERIZER

Steel Brackets—Steel Frame—Steel Rolls. Beats Them All.

Biggest crop insurance on the farm. Used both fall and spring. Write today for catalogue. Send us the name of your dealer.

## WOOSTER MACHINE CO.

WOOSTER, OHIO

## ARE YOU WILLING TO BE CONVINCED?

There can be no permanent fertility unless you restore to the soil the vital elements which have been removed in the sale of crops.

You Must Buy Phosphorous, and the only economical form is that of Raw Ground Phosphate Rock.

Write us for prices and information.

CENTRAL PHOSPHATE CO., Mt. Pleasant, Tenn.

## Live Stock Owners

Arrangements have been made whereby you can now procure absolutely free at drug stores

DR. DAVID ROBERTS VETERINARY BOOK 184 large pages, regular price \$1. Posts you on ailments, diseases and how to treat all kinds of live stock. If not found at your local drug store, send 10c in stamps for postage and receive direct. DR. DAVID ROBERTS VETERINARY CO., 140 Grand Ave., Waukesha, Wis

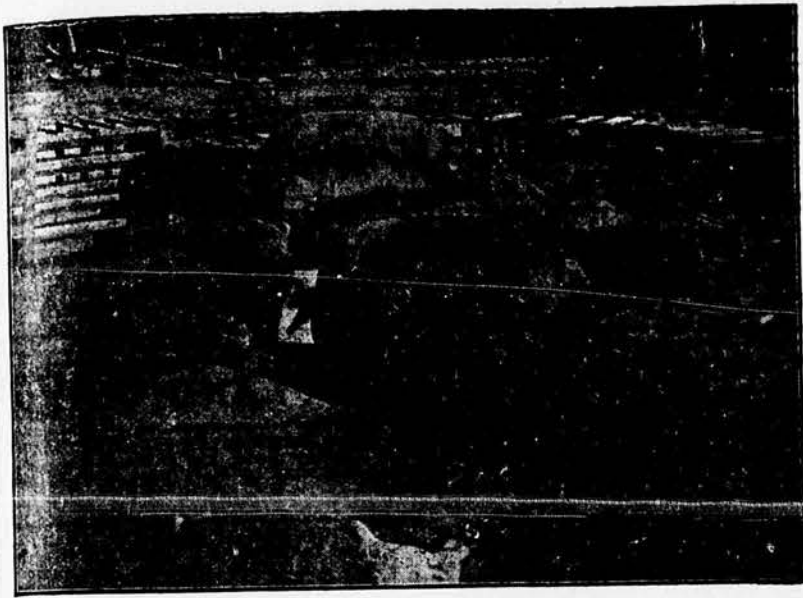


# Big Type Poland China HOG SALE

## Thursday, October 5th, 1911 at Jasper, Mo.

### 45 HEAD OF RICHLY BRED POLANDS WITH SIZE AND QUALITY. 45

1 Tried Brood Sow safe in pig, 15 Fall Yearling Gilts, 17 Spring Gilts, 2 Fall Yearling Boars, 10 Spring Boars.

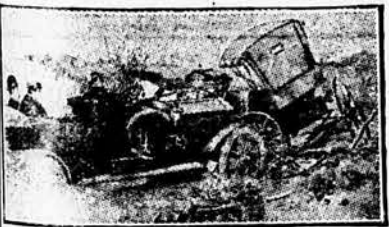


Sired by B Iley Sunday, Blaine's Wonder, Hadley Boy and other good sires. This will positively be the best offering I have ever offered to the public, and I ask all farmers and breeders to attend if possible, and if you cannot come send for my catalog, then read it carefully. Then if you cannot come, send a bid on anything you wish to buy to myself or O. W. Devine, representing the KANSAS FARMER, in my care, and you will be treated fair. Sale will be held right in town and under cover. Write today for catalog, and arrange to come.

**J. C. STALTER & SON, Jasper, Mo.**

#### FIELD NOTES.

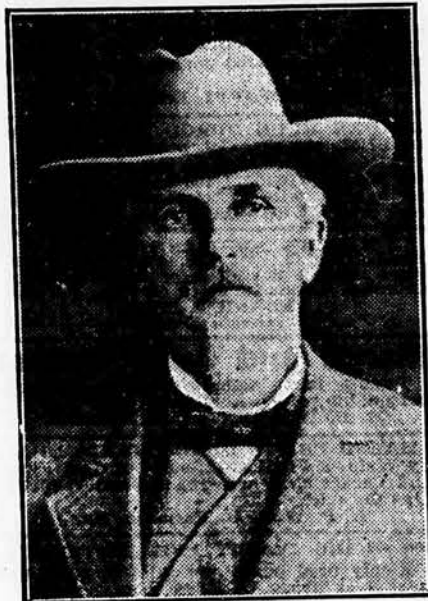
**Automobile Accident Protection.** Every owner of an automobile should be interested in the advertisement, in this issue, of the Western Automobile Indemnity Association of Fort Scott, Kan. No automobilist can say when he may encounter an accident. A horse or team may become scared in passing on the road, and runaway result, which may mean a loss of property, or a life. Some one may be in over, in spite of the best efforts to the contrary. A collision may happen at any time. In fact, there is no gainsaying that "accidents happen in the best regulated families." This is so well recognized that most automobile owners carry insurance against liability that may be incurred through accidents. Many others would be trying this insurance except for the high rates usually charged by what are known



the "old line" companies. The insurance afforded by the Western Automobile Indemnity company is at once reliable, and low in cost. It is mutual in character, which means that it is run for the cost of doing business, instead of making dividends on a heavy capital stock. The officers of this company are all noted Kansas business men, men of the highest integrity and standing in their respective communities. The membership of the company extends into the thousands, and each member has been saving money, besides worry, through his membership. Full particulars will be gladly furnished upon application to Oscar Rice, Secretary-Treasurer, Fort Scott, Kan.

**Will Try Again Flight Over Ocean.** The Goodyear Tire and Rubber Co., Akron, Ohio, has just completed and shipped to Atlantic City a monster gas bag for a huge airship. Melville Vaniman will use this bag in a new airship, with which he will again try to fly across the Atlantic ocean. The flight will be made some time next month. The making of this big gas bag occupied twelve weeks, about half the time usually needed to make such a one in Europe. The excellent facilities of the Goodyear plant made the big task comparatively easy. The dimensions of this balloon are: Length, 268 feet; greatest diameter, 45 feet. It contains 2,200 pieces of fabric and 2,400 feet of double seam. The fabric is three layers of cotton cloth sandwiched between four layers of rubber. It is .03 of an inch thick and is practically gas tight. The new airship will be named Akron, in honor of the town where the balloon was made. The contemplated trans-ocean flight is being financed by Frank A. Sieberling, president of the Goodyear company, and of the Akron Chamber of Commerce as well.

Col. T. E. Gordon, whose cut is herewith presented, has a card in this issue of Kansas Farmer. Col. Gordon has for 20 years been recognized as one of the successful auctioneers of the state. In connection with his farm sales work, he has taken up and is making a specialty of selling all kinds of real estate. He is especially adapted for this branch of auction work, having lived in Kansas for 40 years or more and always



in close touch with the land and what it has produced, it has afforded him a good chance to know land values. Besides, Col. Gordon is a man with rare good judgment. He takes in situations at a glance and acts quickly and with precision. He has a wide acquaintance throughout the state and possesses natural qualifications. His voice is strong and pleasing and what he says can always be relied upon. It is his idea that the proper way to sell land is at auction. Write for his plan and terms or wire him if in a hurry. Mention Kansas Farmer when writing.

When writing advertisers, please mention KANSAS FARMER.

W. C. Milligan writes as follows: "Score one for Kansas Farmer. I have just sold through your paper 10 head of yearling Poland Chinas to Mr. W. H. Barry of Smith Center, Kan.—four yearling bred gilts, five spring gilts and a spring boar. The boar last was out of the Colossus gilt your fieldman bought for me at the H. C. Graner sale last winter. He is a fine herd boar prospect. My Guy Monarch boar grows like a green bay tree. Mr. Barry thought he would weigh over 500 and he is not a year old yet. I have just answered a Kansas Farmer inquiry from Arkansas." Address W. C. Milligan, Clay Center, Kan.

# Public Sale of Registered POLAND CHINA HOGS

At farm 6 miles southeast of Westmoreland, 11 miles northwest of Wamego, Kansas

## TUES., OCTOBER 3, 1911

Forty-five head, comprising 23 spring boars, 5 fall boars, 11 spring gilts and 4 bred sows, two of them spring yearlings, the other two fall gilts. The spring division at offering will be very growthy and uniform. They were sired by Grand Look 2nd, grandson of Grand Look and Defender, Jr., by Defender. The fall stuff all sired by Grand Look 2nd. The spring yearlings are by John Long 2nd, a boar of some note, selling for \$450.

### DAMS OF OFFERING

I have bought for good prices from some of the leading herds of the country, and have tried to be very careful to secure size and quality. Among the dams of this offering are sows sired by John Long 2nd, and Expansion bred sires. The hogs to be sold have been fed on such feeds as grow on the farm and will come into the ring in the condition that breeding hogs should be sold.

Breeders stop at Meritt House, Wamego. Free automobile to and from farm. Catalogs sent upon request.

Send bids to Jesse Johnson representing this paper

## FRANCIS PROCKISH

Westmoreland, - - - - Kansas

Col. Jas. T. McCulloch, Col. James Snodgrass, Auctioneers

# High Class Poland China SALE

## At Lyons, Ks., Saturday Sept. 30, 1911

Owing to poor health I am closing out my entire herd of full blood Poland China Hogs, consisting of such noted sows as:

- Beauty Challenger by Perfect Challenger.
- Lady Mischief by Mischief Maker.
- Starlight by Meddles 2nd—The Kansas Champion last year—she farrowed me 10 pigs her first litter.
- Lula 2nd by Corrector 2nd.
- Lula 1st by W. B's Perfection.
- S. P's. Lady by S. P's. Perfection. These sows all raised spring litters and will have fall litters at their side sale day. They are all breeders and good producers.

### 27 GILTS AND 16 BOARS EARLY MARCH FARROW

All are good ones. They are large and growthy, big boned kind. Most of the tried sows weigh 500 or 600 pounds. The spring gilts weigh right at 200 pounds. All the young stuff sired by the Great Boar, Smuggler, he by E. L's Cloverbud. Send for catalogue and come. Send bids to O. W. Devine representing KANSAS FARMER—if you cannot attend.

**LEE STANFORD, Lyons, Kans.**  
Col. Lafe Burger and Col. W. H. Hopkins Auctioneers

### HORSES AND MULES

#### REGISTERED HORSES

O. K. BARNES, SAVANNAH, MO.,  
W. E. Price, Proprietor.  
Dealer in registered horses. Three very fine stallions to SELL AT ONCE. Also the best stud colt in the state. Write for description of stock. I can suit you.

**THE BEST IMPORTED HORSES, \$1,000 each.** Home-bred, registered draft stallions. \$200 to \$600 at my stable doors. Address **A. LATIMER WILSON, Creston, Iowa.**

**HOME-BRED DRAFT STALLIONS \$250 to \$600;** imported stallions, your choice \$1,000. **F. L. STREAM, Creston, Iowa.**

**PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.**  
Up-to-date Poland China hogs. Write your wants.  
**H. N. HOLDEMAN, Meade, Kans.**

### THE STRAY LIST

**JAS. CULLIAN, County Clerk, Rice County.** Taken up—One mule, age 8 or 9 years, mare, brown, one front leg crooked at knee. Was taken up on July 14, 1911, by C. H. Taylor, Marshall, Kan.

**W. E. HART, COUNTY CLERK, KINGMAN county, Kan.** Taken up, by F. E. Walter, Snivey, Kan., on the first day of August, 1911, one red steer, mottled face, branded D on right hip, weight about 800 pounds. Value \$30.00.







\$95.00 AN ACRE \$95.00

the best upland 80 acres, within 6 miles of Topeka. All tillable, im-

5 Kansas Avenue. Geo. M. Noble.

Either Phone 444. J. Will Kelley.

VERDIGRIS BOTTOM FARM

splendid bottom land. No bet- anywhere. Wheat and alfalfa land.

on County, Arkansas

and grain farm; 80 acres, good miles from Cravette, on K. C. and

BARGAIN

148 A. 2 miles from Osage City, Kan., 70

2 miles from Burlingame; 60 ac. in red clover, 10 a. clover

SALE OR EXCHANGE—Labette 380 a., 1 mile of Angola, 200 a. in

in Western land. Live agents Write Walter & Walter, Syracuse,

FIELD NOTES

FIELD MEN. De Devine.....Topeka, Kan. R. Johnson.....Clay Center, Kan.

PURE BRED STOCK SALES.

Percherons. 8—W. S. Corsa, White Hall, Ill. 14-15—H. G. McMillan & Sons, Rock

Herefords. 10—Thos. Crawford, Butler, Mo. 17-18—G. W. Newman, Emporia, Kan.

Shorthorns. 1—Dr. R. A. Stewart, Hutchinson, Kan. 14—J. F. Stodder, Burden, Kan.

Guernseys. 1—Wilcox & Stubbs, Des Moines, Ia.

Poland Chinas. 24—J. D. Willfoung, Zeandale, Kan. 26, B. M. Bell, Beattie, Kansas.

College Hogs For Sale. The Agricultural College is now offering

Missouri State Fair. President W. H. Taft will spend the entire

Stalter's Big Type Sale. On Thursday, October 5, at Jasper, Mo.,

W. T. Fitch, the Minneapolis, Kan., Duroc Jersey breeder, writes that conditions

Roy Johnson of South Mound, Kan., has lately added to his splendid herd of big-

Get a Michael Catalog. Don't fail to send for a catalog of the large type Poland China hog sale.

W. E. Long's Mastadon Kind. In his card this week W. E. Long of Meriden,

Willfoung Changes Copy. J. D. Willfoung of Zeandale, Kan., breeder of Poland Chinas,

Shepherd's Shorthorns. Recently a Kansas Farmer fieldman visited Mr. J. D. Shepherd of Clay Center,

Mr. Gust Burg, of Sciota, Ill., breeds high class Duroc Jersey hogs and advertises

Nov. 8—L. E. Klein, Zeandale, Kan. Nov. 8—W. A. Prewett, Asherville, Kan. Nov. 9—Young & Kimberling, Glasco, Kan.

Nov. 17—J. F. Ware, Garfield, Kan. Nov. 17—George W. Roberts, Larned, Kan. Nov. 20—O. M. Furnas, Oxford, Kan.

Jan. 27—A. C. Lobaugh, Washington, Kan. Feb. 5—J. L. Griffiths, Riley, Kan. Feb. 6—Thompson Bros., Marysville, Kan.

Feb. 8—T. J. Charles, Republic, Kan. Feb. 8, 1912—George M. Hull and Col. C. E. Bean, Garnett, Kan.

Feb. 9—W. E. Willey, Steele City, Neb. Feb. 12—Oak Hill Stock Farm, Esbon, Kan. Feb. 16—J. H. Harter, Westmoreland, Kan.

Jan. 4—Ben. Bell, Beattie, Kan. Jan. 5—H. B. Walter, Edgingham, Kan. Iowa. Jan. 24—A. L. Albright, N. E. Copeland,

Sept. 30—Lee Stanford, Lyons, Kan. Oct. 9—E. W. Davis & Co., Glenwood, Mo. Oct. 14—H. B. Miner, Guide Rock, Neb.

Nov. 1—W. E. Monasmith, Formosa, Kan. Nov. 2—Frank Elder, Green, Kan. Nov. 3—Grant Chapin, Green, Kan.

Jan. 30—Ward Bros., Republic, Kan. Jan. 31—W. E. Monasmith, Formosa, Kan. Feb. 1—Geo. Phillippi, Lebanon, Kan.

Feb. 7, 1912—Frank Elder, Green, Kan. Feb. 2—Rinehart & Son, Smith Center, Kan. Feb. 3—W. C. Whitney, Agra, Kan.

Oct. 18—J. N. George, Hopkins, Mo. Oct. 19—J. H. Harvey, Maryville, Mo. Oct. 25—R. W. Gage, Garnett, Kan.

Nov. 4—George O. Clark, Wilcox, Neb., and O. W. & E. Holtquist, Sacramento, Neb.

Nov. 15-16—E. R. Morgan, Blue Rapids, Kan. (Capital Bluff Stock Farm.)

The first important big type Poland China sale of the season will be the Ben

College Hogs For Sale. The Agricultural College is now offering

Missouri State Fair. President W. H. Taft will spend the entire

Stalter's Big Type Sale. On Thursday, October 5, at Jasper, Mo.,

W. T. Fitch, the Minneapolis, Kan., Duroc Jersey breeder, writes that conditions

Roy Johnson of South Mound, Kan., has lately added to his splendid herd of big-

Get a Michael Catalog. Don't fail to send for a catalog of the large type Poland China hog sale.

W. E. Long's Mastadon Kind. In his card this week W. E. Long of Meriden,

Willfoung Changes Copy. J. D. Willfoung of Zeandale, Kan., breeder of Poland Chinas,

Shepherd's Shorthorns. Recently a Kansas Farmer fieldman visited Mr. J. D. Shepherd of Clay Center,

Mr. Gust Burg, of Sciota, Ill., breeds high class Duroc Jersey hogs and advertises

Melsner Hogs Doing Well. Mr. T. J. Melsner, regular advertiser in Kansas Farmer, writes that the big Poland

high-class Poland Chinas. Don't fail to read sale ad. in September 30 issue, and send your name in early for a catalog.

T. M. Willson's Polands and Pol Durhams. T. M. Willson, proprietor of the Spring-

Curry Polands. Mr. John T. Curry, Poland China breeder, of Winchester, Kan., has for sale some

Bert Harriman Sells Good Offering. Owing to unusually hot weather, the

W. B. Wallace's Sale Average \$42.50. On Wednesday, September 13, W. B.

American Royal Angus Sale. After a careful inspection, Secretary Gray of the

J. Q. Edwards' Hampshires. Notice the card of J. Q. Edwards, the well

W. H. Emmens' Poland China Sale. On Monday, October 9, W. H. Emmens

Mr. Griffiths has in his herd four extra fine sows that are full sisters to this boar.

W. B. Wallace's Sale Average \$42.50. On Wednesday, September 13, W. B.

American Royal Angus Sale. After a careful inspection, Secretary Gray of the

J. Q. Edwards' Hampshires. Notice the card of J. Q. Edwards, the well

W. H. Emmens' Poland China Sale. On Monday, October 9, W. H. Emmens

Mr. Griffiths has in his herd four extra fine sows that are full sisters to this boar.

W. B. Wallace's Sale Average \$42.50. On Wednesday, September 13, W. B.

American Royal Angus Sale. After a careful inspection, Secretary Gray of the

J. Q. Edwards' Hampshires. Notice the card of J. Q. Edwards, the well

W. H. Emmens' Poland China Sale. On Monday, October 9, W. H. Emmens

Mr. Griffiths has in his herd four extra fine sows that are full sisters to this boar.

W. B. Wallace's Sale Average \$42.50. On Wednesday, September 13, W. B.

American Royal Angus Sale. After a careful inspection, Secretary Gray of the

J. Q. Edwards' Hampshires. Notice the card of J. Q. Edwards, the well

W. H. Emmens' Poland China Sale. On Monday, October 9, W. H. Emmens

Mr. Griffiths has in his herd four extra fine sows that are full sisters to this boar.

W. B. Wallace's Sale Average \$42.50. On Wednesday, September 13, W. B.

American Royal Angus Sale. After a careful inspection, Secretary Gray of the

J. Q. Edwards' Hampshires. Notice the card of J. Q. Edwards, the well

W. H. Emmens' Poland China Sale. On Monday, October 9, W. H. Emmens

Mr. Griffiths has in his herd four extra fine sows that are full sisters to this boar.

W. B. Wallace's Sale Average \$42.50. On Wednesday, September 13, W. B.

American Royal Angus Sale. After a careful inspection, Secretary Gray of the

J. Q. Edwards' Hampshires. Notice the card of J. Q. Edwards, the well

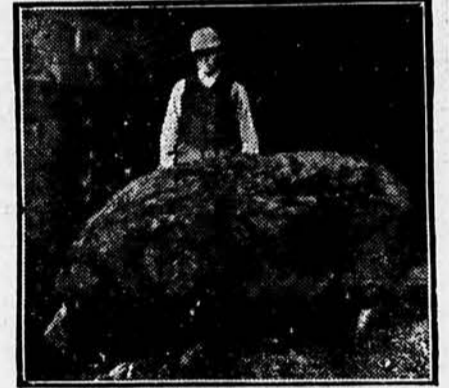
W. H. Emmens' Poland China Sale. On Monday, October 9, W. H. Emmens

Mr. Griffiths has in his herd four extra fine sows that are full sisters to this boar.

W. B. Wallace's Sale Average \$42.50. On Wednesday, September 13, W. B.

American Royal Angus Sale. After a careful inspection, Secretary Gray of the

J. Q. Edwards' Hampshires. Notice the card of J. Q. Edwards, the well



Mr. Griffiths has in his herd four extra fine sows that are full sisters to this boar.

# Be Sure to Buy Your Stove at Home!



If you are thinking of buying a stove or range, better "look before you leap."

We, the largest makers of stoves and ranges in the world, have decided to place the stove buyers of this country in possession of certain facts on the stove and range situation which will enable every buyer to safeguard his interests in advance of making a purchase.

We take this step because we feel that we owe a duty to the public which for 40 years has favored Garland Stoves and Ranges with overwhelming evidence of its approval.

For today you will find Garland Stoves and Ranges in over 4,000,000 homes.

Here, in brief, are the facts:

The trademark name, "Garland," on a stove or range, because of the quality and service which it represents, has become enormously valuable to us. We estimate its value at millions of dollars. Behind it are 40 years of study, invention, experience, skilled workmanship and conscientious effort.

In recent years some concerns selling stoves and ranges have sought to trade on our reputation by offering cheap stoves at cheap prices on the representations that such goods are "as good as Garlands." The time has come when the protection of stove buyers demands that we brand these claims as absolutely false.

The purpose of this announcement is to point out to the stove buyer the safety, convenience, satisfaction and greater economy of buying stoves and ranges from established local dealers.

## Pays to Buy Stoves from Your Local Dealer

It pays in satisfaction, safety, convenience and economy to buy stoves from your local dealer. His profit per stove is very small. He gives you big value for every dollar of stove money.

The idea that your home dealer makes a pocketful of money on every stove he sells is utterly ridiculous. Stoves are staple merchandise, just like sugar, coffee, salt, calico, muslin, etc. The dealer's profit on a good stove is often scarcely more than the amount of freight you would pay if you sent away for it.

## How the Home Dealer Helps You

If you have ever wrestled with a stove loading it at the depot, carting it home, unloading it, getting it out of the crate, putting it together, blacking it and possibly waiting a couple of weeks for replacement of broken parts before being able to use it, you will never wish to repeat the performance.

Your home dealer not only gives you more stove value for every dollar you spend, but he saves you a pile of trouble, inconvenience, delay and dissatisfaction.

He delivers your stove the day you buy it—no waiting to fill orders—no aggravating freight delays.

He delivers your stove in good shape. If the railroad company smashes up a stove, the dealer, not you, adjusts the trouble.

The same home dealer delivers your stove set up, blacked and polished—ready for business. By you there's no carting it, no setting it up, no polishing. Moreover, your local Garland dealer will give you ten times more liberal credit terms and free trial terms than anybody else in the world. And you don't have to tell him your family history, either. Are not these many advantages in home-dealing well worth considering?

## Permanent Satisfaction Better Than "30 Days' Free Trial"

Thirty days or thirty weeks are no test of a stove worth. A good stove must give permanent satisfaction, it's too expensive and troublesome to be buying stoves a few seasons. If you buy a Garland stove, you have your dealer at home who guarantees you permanent satisfaction. You have the excellent product of the biggest stove manufacturers in the world, who could never have become the biggest if they had not made the best and most serviceable stoves. Isn't it always easy to send back a stove bought on "30 Days' Free Trial."

## Investigate Garlands Before You Buy

In view of these great facts, we urge you in your interest to go to your local Garland dealer and look at Garland Stoves and Ranges. Get his prices and let him show you the possibilities about these stoves which make them last longer, burn fuel and give permanent satisfaction.

**8 Books Free** We publish eight handsome books, as pictured here. They discuss about different kinds of Stoves, Heaters, Ranges, Cook Gas Ranges, Furnaces, etc. Which books would you like to have? You can have free as many as you choose.

One of these books, "The Only Safe Way to Buy Stoves and Ranges," tells the pitfalls of buying stoves away from home. It discusses such subjects as, "Not Easy to Return Stoves," "The Dangers of Buying Sight Unseen," "Excess Freight in Stove Buying," "30 Days' Free Trial vs. Permanent Satisfaction," "Delayed Shipments," "Cheap Rocking Chair Premiums," etc., etc., etc. This is the first time the many disadvantages of buying stoves away from home have been put in book form. It is a fair, square statement of facts—interesting and valuable. We are distributing tens of thousands of them. May we send your copy at once?

Look at the names of the eight free books and then put a cross opposite the name of those wanted. (See coupon below.) Better than today. Cold weather will soon be here and it's best to be prepared now for ice, snow and bleak weather. Address either of

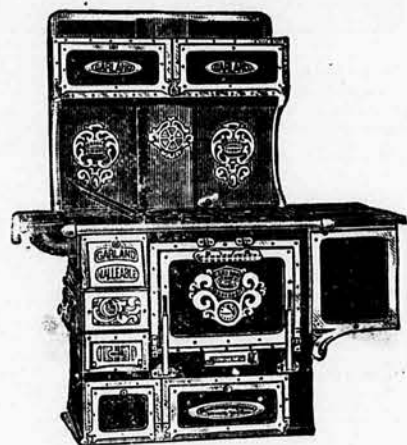
## The Michigan Stove Company

Largest Makers of Stoves, Ranges, Gas Ranges and Furnaces in the World  
Detroit Chicago

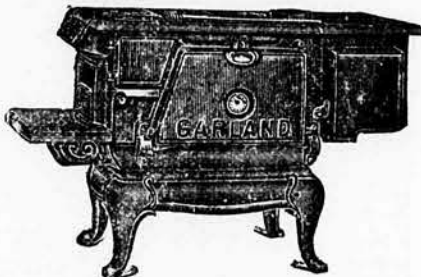
Art Garland De Luxe Series



Smokeburn Garland Heater For Coal, Coke or Wood



Malleable Garland Six-Hole Range



Unique Garland Four-Hole Cook Stove



## FREE BOOKS

Check Here	TITLES	The Michigan Stove Company
<input type="checkbox"/>	Steel Ranges	Detroit Chicago
<input type="checkbox"/>	Cast Ranges	Please send me the Stove Books opposite which I have made a cross (X).
<input type="checkbox"/>	Cook Stoves	Name _____
<input type="checkbox"/>	Base Burners	Address _____
<input type="checkbox"/>	Heaters	
<input type="checkbox"/>	Gas Ranges	
<input type="checkbox"/>	Furnaces	
<input type="checkbox"/>	"The Only Safe Way to Buy Stoves & Ranges"	