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## JUST ABOUT FARMING

CO-OPERATION is growing rapidly in Kansas. This is especially true in the grain business. The fine profits that have been made by the farmers' co-operative elevators in Kansas in the last year have done a great deal to encourage this. A company has been formed recently at Ludell. At a meeting of the farmers of that section to form the company the following officers were elected: President, R. R. Blume; vice president, Warren Howland; secretary and treasurer, F. S. Miller. A charter for \$10,000 will be applied for. The elevator has a capacity of 10,000 bushels. At the meeting recently 82 farmers signed up for the new Farmers' Union. Since July 20, 1914, this elevator has handled 125 carloads of wheat.

### Union in Breeding

More co-operation is needed among Kansas farmers. It takes teamwork nowadays to get the best results in any phase of the livestock industry. This is the foundation of any widely known and successful breeding district. The aim should be to boost your neighbor's stock instead of running it down. If you do not have what a prospective buyer wants show him the other stock in your neighborhood. Every sale made in a community to an outside buyer helps every man in that community if the animal sold has merit. Every animal sold for breeding purposes which lacks merit is a detriment to the final development of the neighborhood as a breeding center.

Wisconsin is recognized as one of the leading states in the production of dairy cattle. There are 110 community breeding associations in operation in that state. Three of these were organized in the last few weeks. The buyer knows when he goes into one of these communities he will have a large number of animals of the breed he wants to select from. The money he would spend traveling or country looking at widely separated can be spent in buying better animals. This is the chief reason farmers from Kansas go to Wisconsin to buy dairy cattle. They know they will save time and traveling expenses.

### Picnics

It isn't always necessary to have a formal organization to get farm folks together and have good times. With organization, though, the meetings are likely to be more frequent. We like the way they do things in South Wilson township in Andrain county, Missouri. The farm folks have an annual "fish fry" there, conducted by the Sunday schools, and a farmers' picnic that everybody attends. Then at Easter they gather in some neighbor's pasture and have an egg roast. "The night before Easter," says Neighbor Smith in telling us about it, "we met in Joe Berry's pasture and spent three hours eating eggs and talking about oats sowing and getting ready for corn planting." Don't you wish you'd been there? "Men are only boys grown tall." We envy the folks of South Wilson township who have learned to play as well as work. Why do not more of you get together in this friendly, informal fashion? Why not meet in some neighbor's shady pasture twice a month on Saturday afternoons and talk crops and chickens and housework and home while the children play? "We went home feeling better towards ourselves and our neighbors," says Neighbor Smith. Of course they did. We'll warrant that there are no "devil's lanes" in that neighborhood, but just a big happy family that lives and labors and loves and thanks God for the blessings of rural life. We'd like to attend an egg roast or a fish fry at South Wilson. It would be like finding the fountain of youth.

### Hired Men

So few hired men are worth the money paid them that a farmer does not feel that he can afford to go to any special trouble or expense to make conditions pleasant for them. Some men, however, really have the best wishes of

their employer at heart, and they really deserve consideration. It will pay to give such men every possible advantage, so they may be kept on the farm. In speaking of some of the things needed to make life more agreeable for hired men, the Practical Farmer said recently:

How often we hear the complaint that farm help is scarce, and when one gets a man it is hard work to keep him. Some say they cannot raise this or that on account of lack of unreliability of labor. This is true to a certain extent, but does not the fault nine times out of ten, lie with the farmer employer rather than the employee? Stop and think a bit.

When a man works in a factory his pay envelope is handed to him every week or every other week, as the case may be. It does not matter so much when he gets it, but the fact is, he knows the very day he will get it. He knows that on these days he will get his pay and not promises. Have you ever thought of this? A hired man is just like any other man; he wants his wages when they are due. It does not take long to dishearten a man and make him sick of farm work if he gets only half of his earnings when pay day comes, and a promise of paying the balance in a few days or a week. The hired man is entitled to prompt payment, and you should have foresight enough to see to it that you have funds on hand to pay your help on the day due.

Another condition that keeps men away from the farm is the treatment they are accorded. Anything is too often "good enough" for the hired man. He enjoys a comfortable room as well as anyone else. We do not for a moment advise giving up the spare room to the hired man, but we do believe in seeing that he is given the ordinary comforts of life. Make him comfortable and see how much more interest he takes in his work.

If you furnish a home for your man, do not think any old thing will do for the tenant house. His family would enjoy modern conveniences and a space for a flower garden, too. Make his family comfortable and contented and see if it is not a good paying investment.

### Why We Are Rich

If you were asked to name the richest state in the Union, that is the one with the highest per capita wealth, what state would you guess, right off hand? Would your guess be New York, as ours was when asked recently? Our second guess hit the mark, viz: Kansas.

But where does South Carolina, proud old South Carolina, stand?

At the very bottom of the list. The per capita wealth of the Palmetto state is \$185.42.

Moral: Kansas is the richest state in the Union because it is the greatest farming state in the Union. They work far less land to the plow than we do, use four and six horses where we use one, use \$100 worth of farm machinery where we use one dollar's worth, always aiming to make first of all plenty to eat for man and beast and selling the surplus. And they have the surplus.—Greenwood, S. C. Index.

### Floods

It is important that more attention should be paid to keeping the streams clear of obstructions, so the water will flow rapidly. This has been well demonstrated this spring. For an example, read this dispatch from Emporia which was printed in the Topeka Capital for May 19:

With the Neosho and Cottonwood Rivers rising a foot an hour, the Neosho valley is threatened with serious flood conditions. The Cottonwood River rose 15 feet today, and it is within a foot of flood stage. It is expected to go out of its banks tonight. The Neosho lacks but 2 feet of breaking into the bottoms, and when the flood from the headwaters of the stream reaches Emporia many acres of alfalfa land will be inundated.

If the drifts are removed and the trees and brush cut along the streams there is a much better chance for drainage. It will pay to straighten the channels in many places, too.

### Co-operation

A fine spirit of co-operation between the farmers and the townspeople, such as has been developed at Emporia, is needed in every Kansas community. There is an increasing interest in this in other states. In speaking of this recently, the Farmer of St. Paul said:

One of the greatest needs today is that broad spirit in both the town and country which places community interest above individual interest, a spirit of harmonious co-operation rather than of discord. We believe our friends are doing the right thing in getting the farmers together in a new Farmers' Club that will do the things that need to be done for the community. In such an organization, we believe the farmers should prove themselves as being broad-minded citizens by devoting their club work to real community problems.



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# THE FARMERS MAIL AND BREEZE

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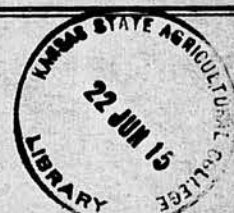


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## Foiling the Fly



### Prompt Disking After Harvest Will Check the Pest

By F. B. Nichols  
Field Editor

**G**OOD farming will check Hessian fly damage. It will very materially reduce the loss in Kansas, next year, if the wheat growers put into practice the methods described by speakers, last week, on the Hessian Fly Special sent over the state by the Atchison, Topeka & Santa Fe Railroad. Farmers do not, as a rule, listen to lectures on subjects in which they are not rather keenly interested; certainly they will not travel many miles to hear them, as in this instance. June is not a month for loitering, particularly in Kansas where the world's greatest wheat crops grow. Therefore, when a farmer goes to hear a man talk he goes because he believes that man will say something of more than passing value.

For example: More than 300 farmers met the special at Stafford although Hessian fly damage near that town has been light, this year. There were 76 motor cars—17 varieties, near the station. These farmers were eager for information which they knew they would need in the future. At Anthony, where the fly damage has not been especially heavy nearly 200 farmers met the train. A large attendance was recorded at all the stations in McPherson county; 300 farmers met the train at Canton and 286 at McPherson. The interest in the control of insects there, by the way, is due quite largely to Warren Knaus, a newspaper man of McPherson, who is a trained entomologist with a considerable reputation even outside the state. He is a graduate of the Kansas State Agricultural college of the class of 1892.

The system of wheat growing recommended by the speakers to control Hessian fly damage was about the same as the method which has given the highest yields for the leading farmers and at the college in years when the fly caused little loss. Early working is necessary as soon after harvest as possible. The fly is in the flaxseed or resting stage at this time, and it can be found in the stubble or just below the surface. If

there is but a small acreage it is possible to list or to plow the soil deeply just after harvest as a rule, which usually is better than later breaking so far as the forming of available plant food is concerned. On the farms where there is a large wheat acreage, however, which is the rule in the wheat belt, it is not possible to get over the fields in this way at once. The best plan on such places is to disk the soil, as this work can be done rapidly. It is extremely important that this disking should be started soon after harvest.

Disking subjects the insects to very unusual conditions, and most of them are killed. The volunteer wheat also will be started, so that it can be eliminated when the land is plowed. It is important that this volunteer wheat should be destroyed, for if this is not done the eggs will be laid on it early when the fly emerges, and this will serve as a source of infestation for the remainder of the wheat. The disking also will break the surface crust and thus conserve the soil moisture, which will make it possible to plow the soil longer during a dry time than on the fields that have been left bare and hard. It will promote the forming of available plant food, also, by making the conditions favorable for the chemical and bacterial plant food forming agencies to get to work.

The plowing or listing should be done just as soon as possible after the disking. After this it is important that the land should be worked from time to time, to kill the volunteer wheat and weeds and to conserve moisture. When a system of this kind is followed there is enough available plant food and moisture in the soil, usually, to allow the crop to germinate promptly and to make a good growth before freezing weather, even if it is planted a little late. This makes it possible to delay the seeding a little longer, with a proper regard for the fly-free date, than is possible on land which has been prepared carelessly. This date varies from October 1 on the

northern line to October 14 in the southern part, and it is a little later in the eastern section than farther west. A map of Kansas showing this fly-free date for every county will be printed in the Farmers Mail and Breeze before wheat seeding, and a circular which shows the map and gives a great deal of other information about the Hessian fly may be obtained from George A. Dean, professor of entomology in the Kansas State Agricultural college.

Usually it is possible to sow wheat just a few days before the fly-free date and still have it escape serious infestation, for of course it takes a few days for the plants to come up. Early sowings, probably will become infested seriously, however, for the insect is now so well distributed over Kansas that bad outbreaks are almost certain when the climatic conditions are favorable. Late sowing on a good seedbed, with all volunteer wheat destroyed, puts the grain out of reach of the pest, however, for the plant comes up after most of the insects have perished.

There is still another source of infestation to be considered, however, and that is the stubble fields left for a spring crop. Any logical system of farming will provide for a rotation of crops, and thus a change from wheat to other lines. In order to protect the wheat from infestations of the spring brood of Hessian fly from these stubble fields they should be plowed or listed in the fall or early winter, so the insects in the stubble and the volunteer wheat will be destroyed and prevent damage.

Proper co-operation is very imperative among the farmers of a community if the Hessian fly is to be controlled properly. Unless this co-operation is obtained the fields that have been handled properly may become infested from the neighboring farms. This has occurred in an especially large number of fields this year, Professor Dean said. The fly may go a mile or two very easily, and cases have been reported where it has gone farther. Frequently its range is less than a mile; this depends quite largely on the winds.

Several counties and communities have been especially successful in controlling the Hessian fly this year. In every case where this has occurred the farmers have co-operated in the use of good methods. Leavenworth county has reduced the infestation, largely through the work of the county agent, P. H. Ross of Leavenworth, in getting the wheat growers together. In Harvey county, in the hot-bed of the fly, the loss has been a great deal less than in the surrounding counties, for F. P. Lane of Newton, the county agent, has had his men working together in nearly all his communities. Another especially good demonstration in controlling this insect is near McFarland, where the farmers are well united on good seedbeds and late sowing. Much of the credit for organizing this community is due to Professor Dean and J. W. McCulloch, assistant state entomologist.

In Sumner county, where there was much damage this year from Hessian fly, there was a very general disregard of good seedbed preparation and late sowing. This was true to a considerable extent in every section where the damage was especially heavy. The Hessian Fly Special went through many sections which contained wheat fields where the damage was total; many fields were seen that were being plowed up, and many others will never be harvested. All this loss, which will amount to an immense sum in this time of high grain prices, could have been prevented if the farmers had united in the use of a good system of control for this insect.

"I believe the Hessian fly situation in Kansas is encouraging," said L. E. Call, professor of agronomy in the Kansas State Agricultural college, Saturday night at the end of the run at Florence. "There is a more general appreciation than ever of the important fact that this insect can be controlled easily. If good farming methods are introduced, if a cropping system that will produce the largest yields, no matter whether the in-



Deep, Early Plowing For the Wheat Seedbed Was Recommended by the Speakers on the Hessian Fly Special. It Will Help to Destroy Crop Insects and Aid in the Formation of Available Plant Food

(Continued on Page 21.)



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## Passing Comment--By T. A. McNeal

### The Wrongs of Society 6/19/15

In the city of Chicago there is what is called a psychopathic laboratory. That is a tolerably large word to use and needs explanation.

The object of this laboratory is to make tests of the mentality of men, women and children; tests of their memory, of their ability to reason, of their ability to concentrate their attention on anything.

For example, a certain simple figure will be drawn. The person being tested will be permitted to look at the figure say ten seconds, to examine it as carefully as possible and then the figure is withdrawn and the person is asked to reproduce it as nearly as possible from memory. Other equally simple tests were made showing the mental capacity of the persons tested along a number of lines.

As a result of these most interesting tests it was discovered that there are a great number of cases of arrested mental development and also many cases where the mentality has been either partially or wholly destroyed by the use of drugs, alcohol, etc. It was found in very many cases that persons who had reached the age of manhood or womanhood had the mental development of children of say 6, 7 or 8 years and consequently had no more sense of responsibility than if they had been children in fact.

Society has, however, laid down certain ironclad rules called laws, for the suppression of crime, and persons guilty of violating these rules are held responsible and punished without any distinction as to their mental or moral deficiencies.

For example, a young man between 19 and 20 years old was arrested for throwing rocks on the streets. He seemed to have no conception of the fact that he had done a wrong and yet he did not appear like either a lunatic or an imbecile. When the tests were applied however, it was discovered that his mentality was not higher than the average child of 9. Of course if a little boy of 9 years had thrown a stone on the street he might have been given a scolding and told that he would receive some punishment if the offense was repeated, but it is not likely that any policeman would have thought of dragging a little child like that into a criminal court.

That our whole system of dealing with crime is illogical and very often cruel and ineffective there can be no doubt. Crime is not always the result of mental weakness nor mental disease, but it is often so. How senseless it is to punish a man or a woman for a crime which he or she is incapable of understanding.

Now it does not follow from this that the mentally irresponsible should be let go when they commit acts which would be crimes if committed by persons who are mentally responsible. Society should be protected from the acts of the irresponsible as well as the responsible criminals. However, the irresponsible should be treated as persons suffering from a malady which they cannot help but on account of which they must be restrained from doing harm to other persons.

### Will They Learn From Experience?

It is a humiliating confession to make but it seems to me that events demonstrate that man on the average hasn't much sense. If persons on the average had as much sense as they ought to have I am of the opinion that things would be different.

For example, here are 15 or 20 million men of different nations fiercely fighting one another. It is estimated that already they actually have killed about a million men and wounded perhaps 4 millions more.

What for?

Do you really think that the men who actually are doing the fighting and dying in the ranks of either army have any definite knowledge of why they are killing each other? I do not. And when the fighting is over if conditions are to be restored virtually as they were before the fighting began, in what way will these common people who have undergone such terrible suffering be benefited? If the several governments are to stand as they were before; if a few are to rule and the many serve; if standing armies and navies are still to be continued, how will these common people be benefited by this war, no matter how it ends? Will the lot of any of them be made easier?

On the contrary, will not their burdens be made much heavier while their ability to bear them will

be greatly lessened? Unless the whole social system is revolutionized then after the fighting is over the condition of the masses will be worse than before the strife began.

Maybe it is too much to hope for yet I have the hope that the people generally will learn some sense from this war. If only there could be a congress of nations called at the close of this war with power to decree that all standing armies and all navies shall be abolished; that the manufacture of cannon and shells shall be prohibited; that secret treaties and secret diplomacy shall be no more; that hereditary monarchies shall be relegated to the limbo of abandoned follies and the rule of the people established in their place; that the great public debts of the nations should be stripped of the burden of interest and the pampered parasites who make up the privileged and ruling classes compelled to get off the necks of the toilers—if all this could be done then even this war with its loss of life, with its horrible atrocities, its untold cost and immeasurable suffering would be worth the cost.

But I am not so very hopeful.

### Fair Most of the Time

Editor The Farmers Mail and Breeze—Not in all my life have I ever had acquaintance with a man I considered so universally fair on all questions as yourself, but according to my opinion, you are drawing a wrong parallel between the Lusitania case and the black hand gang. If all my relations on earth had shipped on board the Lusitania and been lost I would say, "A wise man will change his mind but a fool never does."

If two black hand gangs were in a war and you were supplying munitions to one and not to the other and I were to start an auto loaded with munitions and passengers through the territory of the gang or by a road that eventually would lead through the territory of the gang that you didn't supply with arms and munitions and I got warning that we would all be assassinated if we undertook the journey, I would expect no sympathy if I persisted and all of us were killed.

If it was all important that these people go abroad why didn't they demand an exclusively passenger vessel? If they had done that I will warrant that they would not have been molested. The steamship company thought that by putting passengers aboard they could get by with their contraband munitions. They played and lost as lots of gamblers do. Who is to be pitied? Who is to be censured? The relatives of those who were lost are to be sympathized with. The steamship company and this government, if it was known that there were contraband goods aboard are to be blamed for allowing innocent people aboard the Lusitania.

I am not a German sympathizer and neither would I want anyone to think me unsympathetic or unpatriotic, but tell me this: Is it right for the United States to be accessory to a crime by supplying munitions of war, horses, etc., to the allies, simply because Germany supplied the same things to Spain? G. E. FROST.  
 Mason City, Iowa.

In nearly every great city there is a district mostly inhabited by lawless, dangerous characters. These districts are generally well known. It also is generally known that it is both foolish and dangerous for unarmed, defenseless persons to visit these districts. If they are sensible they certainly will keep away. Nevertheless, foolish people, impelled perhaps by morbid curiosity, will visit those districts and as a result are often assaulted, robbed and sometimes murdered. The fact that they had no business to be there and should have had sense enough to stay away does not excuse the crime of murder.

### The Farmers' Tribulations

Editor The Farmers Mail and Breeze—That story of Patrick's about Sam Powell and his mother and sister going back to the farm and making such a great and immediate success, is nice to read but is absolutely impossible except with every fact and circumstance favorable, including a location near a city furnishing a good market for his produce at good stiff prices. The weather must have been favorable instead of having February, March, April, May and the first part of June so continuously wet as to make field work impossible and the fields a veritable sea of mud and water. The last four months in this locality have been so wet that work in the fields has been almost out of the question. When the farmer with difficulty planted potatoes in the soggy ground, torrential rains came one after another until the seed rotted in the ground. When there came a few days of dry weather we planted over again when the rains came again and again our seed rotted in the ground. By getting into the fields whenever it was possible, we got about half our corn planted. It is up among the fast-growing weeds and needs cultivating. The remainder of the corn land unplanted is rank with weeds. We sent for some ninety day corn and will plant some of it and try to raise something better than weeds. We will

plant some of the early kafir and feterita, too. I notice reports of 2, 3 and 4 inches of rain elsewhere. Here a gauge should report from 36 to 48 inches of rain during the last four months. This has been the wettest spring within the memory of the oldest inhabitant. It has been the wettest locality in the state. Sam Powell could not make much of a showing here under these conditions. When setting forth such representations as those in the Sam Powell story you do harm and mislead inexperienced "back to the landers" if you fail to say it can only be done near a city market. THOMAS D. HUBBARD.  
 Rome, Kan.

This is the first time I ever knew Tom Hubbard to give out a doleful sound. I must say however, that the conditions he describes justify his somewhat pessimistic view. I have said several times that the person who thinks that farming is a sure paying business has several more thinks coming. The fact is that farming is about the most uncertain gamble I know anything about.

### They're Both to Blame

Editor The Farmers Mail and Breeze—I think that you are about right in 66 per cent of your "Passing Comment" and that you seem to be almost wholly without prejudice on most subjects. Being Irish no doubt accounts for your leaning a trifle when considering the great war in Europe, toward the native land of your ancestors. Being of Scotch-Irish blood I sympathize with you, but at the same time notice that you lean pretty hard against the German war hierarchy and militarism. Considering that war is legalized public murder do you not think Germany has been more kind and humane in allowing the United States to feed the starving Belgians (German enemies) than most countries at war would have been? In our Civil war suppose the people of Great Britain had greatly desired to supply food and clothing to the poor, starving, half-naked people of the Confederate states. Do you think our good Lincoln would have looked upon the desire of Great Britain as a neutral and kindly deed? Would Lincoln have allowed Great Britain to have done the poor women and children and old men who were at home starving, so kindly an act?

Is not the starving of people a part of the horrid war game? Are not Germany and Great Britain hoping and working to starve each other in order to gain the victory? So far as militarism is concerned Great Britain is at the zenith of naval militarism while Germany represents the zenith of army militarism. No matter which side wins, the winning side will not be willing to disarm themselves after having disarmed their enemies. Militarism will not end in this world until a majority of the people of the world can say truthfully, from their hearts, "The world is our home and to do good is our religion."

There is too much trade competition; there are too many trade tariffs; there is too little human kindness among different world powers each looking after its own to the detriment of others. When all nations jump boundary lines and the people in them have the exalted patriotism to treat each other as brothers; when all co-operate with equity, then, Brother McNeal, militarism will be a relic of barbarism. JAMES D. SHEPHERD.  
 Clay Center, Kan.

With much of the foregoing I fully agree, but Mr. Shepherd's comparison of the ruler of Germany with Lincoln does not seem to me to be in point.

It is one of the recognized rules of so-called civilized war to exhaust the resources of the enemy. Germany for example, would not be violating any of the rules of war if it captures ships taking food to England, neither is England violating the rules in preventing supplies from going to Germany. The rules of war however, as clearly set forth by President Wilson do not permit the sinking of unarmed merchant vessels without first providing for the safety of the crews and passengers.

Now, coming to the case of Belgium, Lincoln would have and did exercise all his power to prevent Great Britain from sending supplies to the people of the Confederacy, but when a part of the Confederacy became conquered territory and fully under control of the armies of the United States then the people of that section were not permitted to starve. Of course Great Britain did not send food to the people in these conquered districts. There was no need of it, for the North took care of the conquered people.

Germany however, overran Belgium and then not only neglected to care for the starving women and children but continued to levy tribute on the conquered. Germany was morally bound to care for the Belgian people after they were conquered. It was no act of kindness to permit the outside world to feed the starving Belgians. It was a saving to Germany. It was a good stroke of business. The treatment of Belgium by her conquerors is not exceeded in selfish, cold blooded heartlessness, in the history of the world.

I have no defense to make for Great Britain or any other European nation. All of them have sub-



scribed to the doctrine of militarism in theory. The difference between them and Germany is that the latter has carried the doctrine to its logical conclusion which is that might makes right; that a nation is justified in making war when its own interests seem to indicate that war will be to its advantage and that after war is declared its purpose is to destroy by any means the power of its adversary. That means war without mercy; ruthless destruction of life and property without a twinge of conscience or shadow of remorse.

Theoretically the other European nations are as bad as Germany. The difference is that they have not so consistently put the theory into practice. They were not ready to fight. Germany was. That is the reason Germany is a match for all the rest of them combined.

Before the world can have universal peace, as Mr. Shepherd suggests, militarism and navalism must be destroyed and the competitive system which leads to strife must be supplanted by a system of co-operation and brotherhood. And that would come about if the people were permitted to follow their natural inclinations. The ruling classes are to blame for the horrors of war.

### Revenue Stamps—Bills of Lading

Editor The Farmers Mail and Breeze—Who is responsible for the stamp cancellation on a bill of lading? Is it necessary to have the stamp on the bill or can it be placed elsewhere? We are shipping a little two or three times a week over the Burlington or Union Pacific. Some agents say we are responsible for this stamp. Some say the railroad company is and one conductor says that he is held responsible. Now as a matter of fact I have paid \$2 or \$3 for stamps that I put on the original bills of lading and cancelled. I have however, seen several bills with no stamps on them.

Hollis, Kan.

L. J. MUNGER.

The law undoubtedly requires that a revenue stamp shall be placed on a bill of lading. I do not think it is material who places it there. I think however, that it is the duty of the agent of the railroad company to see that it is placed on the bill of lading. Of course the cost is loaded onto the shipper in any event just as the cost of the revenue stamp is taxed to the sender of a telegram although the telegraph company is held responsible. If some firm or firms are getting out of the payment of this tax the matter should be reported to the collector of internal revenue.

### Farm Advisers

Editor The Farmers Mail and Breeze—In a recent issue of the Farmers Mail and Breeze is an article advocating farm advisers or farm agents. After reading it I am moved to express my views on the subject.

These men were spoken of until recently as "farm advisers" but farmers generally were so much opposed to having this added official that many who were for the idea thought that another name had better be used and the name "farm demonstrator" substituted. Now they are called "farm agents." It seems that two thirds or more of the farmers are opposed to the whole idea, and many of those who oppose it are very successful farmers. Are these farmers standing in their own light? For three years now some counties have had farm advisers and from all reports the farmers in these counties have not been more prosperous than the farmers in counties where there is no such official.

The article in question also stated that the agricultural experiment stations had shown the farmers the value of certain crops and the feeding qualities of certain products and cited that as an additional reason why there should be farm advisers. The fact is that many farmers read the results of the experiments made at these agricultural experiment stations and are as well posted as the farm advisers. A written request accompanied by a small amount of postage will secure for any farmer the reports and pamphlets showing the results of all or any of these experiments.

I believe those who want farm advisers should go down into their own pockets and raise the amount necessary to pay them and not try to load them on the taxpayers until at least a majority of farmers desire to have them. About \$14 each from 150 farmers in addition to the Smith-Lever fund would secure a man and if there are not as many farmers as that in a county who are interested to that extent no adviser should be employed.

Taxes are increasing on the farmers of Kansas and to some extent the increase is unreasonable. It seems hard to get a legislature that does not do things that result in making more taxes. The last legislature passed a law whereby county commissioners could employ a farm adviser and pay him out of the county treasury, but the same legislature was not willing to reduce the number of judges in the state, which could have been done without clogging the wheels of justice. Pork barrel methods showed in more things around the last legislature than in state institutions and they showed up there enough.

Recently Governor Capper visited the Orphans' Home at Atchison. He found an excessive number of employees, a superintendent unfitted for the place and that we have a board of control appointed by Governor Hodges, the members of which will not try to remedy this trouble nor quit. Now I want to ask, is there not a law that gives the governor the power to remove incompetent officials and appoint others? If the report as to what the governor found at the Atchison institution is true, then he is not doing his duty if he does not oust that board.

Effingham, Kan.

A. J. WHITE.

My friend Andy White is a hard headed and successful farmer. He is also a reader and no doubt keeps up with the times in the way of new methods of farming. Andy does not need the assistance of a farm adviser. The same thing no doubt is true of a great many farmers in Atchison and other counties. But unfortunately all the farmers are not Andy Whites. Neither will all of them send for the agricultural bulletins nor would they be able to understand them if they did send for them.

Now it is true enough that a farm adviser might be employed who would not be worth his salt. He might be lazy, destitute of practical knowledge and

without tact. On the other hand, he might, if the right sort of a person, be of great advantage to the large class of farmers found everywhere, who really need help and encouragement.

One could buy for a small amount, books that contain far more knowledge than is possessed by any teacher in the state of Kansas. Carrying out Andy White's line of argument there is no need of a teacher. All of us could buy for our children books that tell more than any teacher can tell. Still I apprehend that my red headed friend would be the last man to say that we should shut up the school-houses and stop hiring teachers.

There are so many things that we can learn only by seeing them demonstrated. That is the reason why we must hire teachers. Furthermore, the whole scheme of free public instruction—that is, free so far as the individual is concerned, but for which the taxpayers burden themselves, is largely altruistic. Those who are prosperous could get along easily without the free public school. They could hire teachers for their children or send them to private schools to be educated. I think it is safe to say that more than half the taxes paid in the state of Kansas go to support the public schools. Taxes could be reduced very greatly if all public schools were abolished. Yet most of the people of Kansas cheerfully bear this burden because they believe that it is for the public good that the free schools be maintained.

My friend says that a farm adviser could be maintained if 150 farmers of the county would join together and each contribute \$14 per annum. If that is correct then it requires only \$2,100 per annum to maintain a farm adviser for such a county as Atchison. I do not know of course on what amount of property Andy pays taxes, but assuming that his assessment is \$20,000 his share of the cost of maintaining a farm adviser for the county is just a little less than \$1 a year. If his assessment is \$10,000 his share of the bill is 49 cents per annum, and while he does not need help nor advice as to how to run his farm I believe that as a public spirited citizen he would be willing to contribute his 98 cents per annum to help support some enterprising, wide awake, practical man to help the farmers who do need help and encouragement.

He says he cannot see that the counties which have had farm advisers for the past three years show any more prosperous conditions than counties which have not had such advisers. That may be true, but it does not prove necessarily that the farm adviser is not a good thing. The question is whether the farm advisers have brought about better conditions in the counties where they have operated than existed in those counties before.

If the work of a farm adviser in a county has resulted in causing even so few as half a dozen farmers to farm better than they farmed before then he is worth what he cost, for neatness and thrift, like untidiness and slipshod methods, are catching.

We are great imitators. When Andy White sees where one of his neighbors is doing something better than he is doing it, he in all probability will put the new idea he has gathered by observation into practice.

It is quite likely that some farm advisers are failures, just as many teachers in our public schools are failures, but to say that a competent, educated man who has made a careful study of the science of agriculture and who has any aptitude as an instructor, is of no benefit, is to say that our whole system of agricultural education is a failure.

### Pins and Needles

It has occurred to me that there are a good many very common things that a good many persons, especially the boys and girls who read the Farmers Mail and Breeze, know about in a general way, yet do not know so very much about after all.

For instance, every boy and every girl has seen thousands of needles and pins and yet it may be that most of them do not know how these very useful articles are made. The pin is so common and so cheap that we hardly think it worth while to pick one up when we see it lying on the floor. Of course there are a great many persons who have a superstition that it brings good luck to pick up a pin, not for the value of the pin, but just because of the superstition. That superstition may have some foundation in fact, for the reason that picking up pins does cultivate a careful disposition that is valuable. But how many know how pins are made? How many know that even the humble, inexpensive pin passes through the hands of at least 14 workmen before it is ready for market?

Common pins are made from brass wire which is coiled on large spools. The wire is drawn from this spool through a hole in a steel plate, the hole having the same diameter as the pin. Then it is seized by a pair of pinchers and thrust through a hole in another plate where the end is struck by a hammer which forms the head of the pin. The pin is cut the required length and falls into a groove where it hangs by the head. On the lower side of this groove the end of the pin comes in contact with a rapidly revolving cylinder which grinds it to a point. Next the pin passes between two grinding wheels which give it a still sharper point.

After this it is dipped in a tub of polishing oil and polished. Then it is boiled in a solution of tin to make it white. After that it is stuck in the paper. This is also done by machinery. The pins fall into a hopper arranged on an inclined plane and having a number of slits. The pins slide down these slits

point downward and are caught by the machine and inserted into the paper. One of these machines will stick 100,000 pins in an hour. Black pins are made from steel or brass wire and coated with japan.

There are 45 pin factories in the United States giving employment to 1,600 persons and turning out 100 million dollars' worth of pins per annum.

When pins first were invented they were expensive and considered luxuries. In the olden times when a woman was married it was customary to give her a sum of money with which to buy pins, from which arose the expression, "pin money."

The use of needles is very old. Savage tribes had to have needles with which to sew their garments and tents together. Sometimes these needles were made of bone, sometimes of thorns. Steel needles formerly all were made by hand but now most of the work is done by machinery. The needle is made from the best steel obtainable. The wire is cut into two needle lengths.

As the wire is taken from a coil it first must be straightened. The pieces of wire are placed in bundles and heated to redness and then allowed to cool slowly. Then they are rolled back and forth on an iron plate with a tool called a smoothing file. Next they are pointed in a grinding machine, and then fed automatically into a machine which marks the place for the eyes. The eyes are punched by another machine. Then the needles are tempered by heating to a red heat and cooled suddenly in oil. Each one then is tested by rolling on a smooth slab. Those that do not roll smoothly are rejected. Next they are scoured in soap to remove the oil. Then the eyes are smoothed and polished.

Cheap needles are polished by machinery but the more expensive ones are polished by hand. After polishing, the heads are ground and finished on a stone by hand. The final process is polishing the shank, which is done by passing the needle between rollers arranged for that purpose. Of course this description refers to the common sewing needle.

### Socialism and Religion

Editor The Farmers Mail and Breeze—Will you please permit a word relative to Mr. Swisher's argument against Socialism and the extracts from the replies published in your issue of June 5? All of those replying to Mr. Swisher express their individual views concerning the Bible, Christianity, religion and Socialism and the relation they bear to one another, which they have a perfect right to do, but which as stated in your paper, are somewhat misleading in regard to the requirements of the Socialist party concerning religion in general. Socialism neither opposes nor defends any religion. Every member of the party is free to accept any religion or reject all. In other words, the Socialist party is not a religious organization. It is purely secular.

Capron, Okla.

CHARLES F. RANDALL.

I think that is a very fair statement of the position of the Socialist party. I know of no more reason for criticizing the Socialist party because it is not a religious organization, than there would be for criticizing either the Republican or the Democratic parties for the same reason. Neither one of them requires any religious test of its members. No political party, of any considerable numbers so far as I know does require any standard of religious belief.

### Who Would Inherit?

Editor The Farmers Mail and Breeze—If a bachelor possessed of considerable property, real estate, and having several brothers and sisters dead and several living, dies without will, would the children of the deceased brothers and sisters inherit a share or just the living brothers and sisters?

SUBSCRIBER.

Louisburg, Kan.

If the parents of the bachelor are living they would inherit ahead of his brothers and sisters. If they are dead then the property will go to the living brothers and sisters and the children of the deceased brothers and sisters. The children of the deceased brothers and sisters will inherit the amounts that would have gone to their parents had they been living. We will suppose for example, that there are three living brothers and sisters and two dead and each of the deceased brothers and sisters leaves three children. Each of the living brothers and sisters would receive one-fifth of the estate of the dead bachelor and each of the children of the deceased brothers and sisters would receive one-third of one-fifth.

### A Pertinent Inquiry

Editor The Farmers Mail and Breeze—As I look to the Passing Comment page for all my legal, political and religious advice will you please straighten me out on something?

Supposing President Wilson demands an apology from Germany for the recent sinking of American ships and Germany should tell him to go jump into the river and we should all get angry and decide to roll up our sleeves and clean those Dutchmen out, how would you suggest that we go about it?

As I understand the map it is a long way to Germany and if we were to dare them to come half way probably they would not come, so we would have to go over there. Now just how would we go and what would we do when we got there? All our ships would be torpedoed and sunk before they got there, in all probability. But supposing our troops were allowed to land. Have not the allies been at the job for nearly a year and not only cannot get into Germany but are having a hard time to keep Germany from getting them?

Now my idea is to let the steamship companies take their own chances. Let Americans stay at home. The United States shouldn't be allowed to threaten Germany when we know that we can't make those threats good.

Neodesha, Kan.

C. H. MITCHELL.



# It's a Long, Long Way to Town

Roads So Deep in Greeley That Motor Cars Are Useless

BY HARLEY HATCH

SINCE the last of February we have had little chance to use the motor car. No sooner would the roads become dry than down would come the rain again. But we cannot complain on the score of roads for the five seasons previously to this have been such that the car could be run at almost any time summer or winter. But when we cannot go in the car it makes the distance to the county seat, which is 12 miles, seem very long. When we can go in the car we start at 1 o'clock, get all our business done in town and usually are back home at 5. Now when we have to go—and we do not go unless we have to—we start in the morning and do not get back until 6 in the evening. The cost of dinner in town and the stable bill for the horses amounts to as much as the total cost of running the car there and back.

Seed dealers at the county seat have laid in a supply of early varieties of corn, and they say it is being largely sold. The favorite variety so far has been Silver Mine, although much Little Yellow Dent has been sold, the so-called 90-day corn. Most of this seed comes from the North, and it is probable that the Little Yellow Dent planted here by June 15 would nearly mature in 90 days. If planted here in the spring at the regular time such corn would require fully 120 days to be dry enough to crib. The price charged for this northern seed in small lots is 5 cents a pound.

Many question the wisdom of planting this early corn at this date. They say it will push along so that it will be earing in August which may be the driest and hottest time of the year. They say that if the smaller native sorts are planted by June 15 they will be making in September when there is a chance for more moisture and a less ardent sun. As we look at it, it is all guesswork; one cannot tell which is best to do. The only thing we can do is to try to guess as nearly right as possible.

I have just been down through the oats. The wet weather has improved them somewhat but it has not killed any of the chinch bugs. The field is simply swarming with them. There is enough there to eat up all the oats now growing even should no more be hatched. We have planned to run a fence down



Setting Posts For the Fence.

between these oats and the alfalfa and in a short time turn in the hogs and let them have what they can find. The field adjoins the cattle pasture and is already fenced hog tight on three sides. There is also a thick growth of crabgrass and foxtail starting. We may turn in the cattle later and give them the run of the field until plowing time comes.

Since writing the foregoing we have driven the posts for the proposed fence. We have on hand plenty of hog fencing of the American pattern which we shall use. This fencing was bought about 12 years ago, and it has been part and parcel of many fences since. Because of the hinged joint it bears handling well, and it seems to be as good today as when we first bought it. The inventor of woven fencing certainly deserves well of the farmers of the West. If it were not for this fence we could scarcely pasture our hogs, and if we could not pasture them it would not pay to raise them in these days of scarce and high priced corn.

We have just returned from a trip over the planted corn fields. The first 20-acre field is a good stand except where washed. The washes are where the land makes an abrupt descent for a short distance. These breaks are the poorest parts of the field and the loss because of this is not large, but the dirt from the washes is carried down to the lower levels, and there some corn is covered. This is a loss because there the corn would be good. But the washed spots are small and lie in such condition that they could scarcely be replanted. Perhaps out of the whole 20 acres there is one acre missing. We believe we got out lucky with this field as it is very loose soil and lies on a slope. On the creek bottom field planted just before the rains the corn seems to be coming, but it is in such a sodden condition that probably it will pay us to replant unless kept out of the field too long.

Part of the land we had intended to put in corn will now have to be planted to either kafir or feterita. I can see no reason why kafir should have any advantage over the earlier corn varieties planted before June 15. After that date it is too late for both corn and kafir here unless we use some very early variety. We shall not plant any of the kafir native to this section at that

date. We have seed enough of a very early kafir strain which has been grown in Jewell county for the last ten years to plant 5 acres and we shall plant the rest of the kafir acreage with African seed grown last year in Kansas. Both should be earlier than our native varieties. We have obtained a bushel of fine feterita from western Kansas and shall plant that on all ground lying idle after June 15.

Our stock of old hogs has been reduced to 12 head, 5 of which will be sold soon. The other 7 are brood sows and the two have 35 pigs. They started with 43 head but several disappeared during the stormy weather in May. They went one at a time and probably were tramped under foot by the heavy, clumsy sows. We shall sell them this fall as they are getting too large and clumsy. When they get this way they think too much of themselves and not enough of their pigs. The pigs have to get out of their way or take the consequences. These hogs are doing well on pasture and a light feed of corn twice a day. In addition they have the skim milk from four cows which helps out a lot. To transport this milk from the separator to the feeding pen we have mounted a barrel on a frame like a wheelbarrow and find it an improvement over carrying the slop in pails.

The strawberries have borne well and there are enough green ones on the vines to last a number of days. But the weather has been so cloudy and wet that the berries do not ripen properly. They get soft while still white. Sunshine would add to the quality although they are pretty good, after all. We have made one trip after wild berries and found a pretty good lot but do not think enough of them to go again. Many persons like the wild berries but I do not. Of all the tame varieties of strawberries now grown in the West we think Senator Dunlap best for the farmer's garden. I don't know who Senator Dunlap was but his name has been given wide publicity by the man who named the berry for him. It is better to get fame by having a berry named after you than to try to get it by acting as weather forecaster in Kansas.

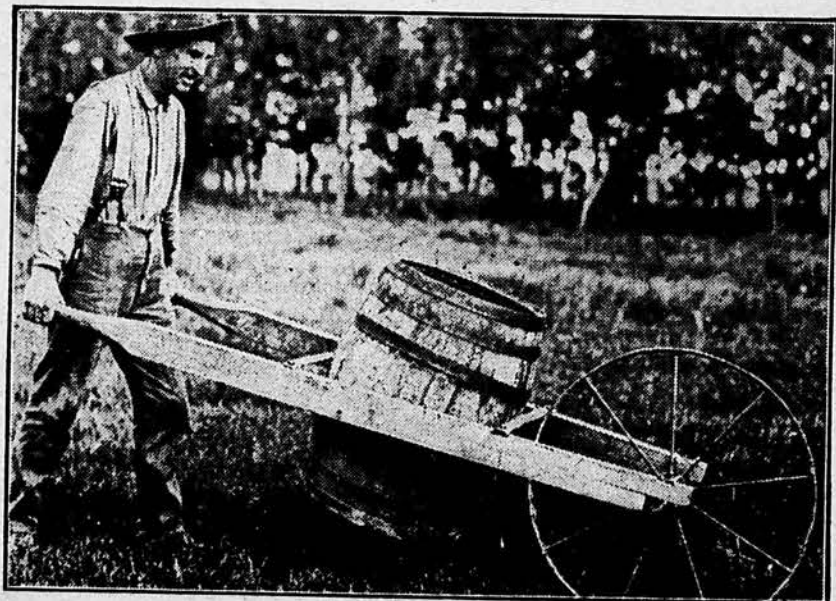
We have started on the alfalfa, having about one-third of it down. It was cut yesterday, a bright, clear day when it looked as if the rain might be over for a few days. But this morning the wind is in the east and clouds cover the sky. I would not be surprised if it rained before night. Part of the alfalfa cut was that sown in 1912 and it was heavy considering the soil on which it was grown. I should judge that it would make 1½ tons to the acre. Much alfalfa in this county which grew where it was reached by the overflow from the Neosho River is said to be dead. The water remained over it so long that it was killed. One farmer told us yesterday that 15 acres of his fine alfalfa was killed by water. This flooded alfalfa is but a very small part of the total acreage in this county, however.

A number of farmers are clipping their hay meadows again this year to destroy the white daisy which is making many fields appear a solid mass of white. Those who did this work last year say that it paid as it made the hay grade better. The mower is set to run high, and if the work is done early enough it cuts but little grass. It is my opinion that had these meadows been burned the last of April the weed problem would not now be present.

This is June 5. The farm work for this week consists of the mowing of 10 acres of alfalfa which lies in the swath, having had two days' rain on it. When the rain came it was not cured much and so it will not be ruined. We hope to be able to get it up sometime.

The heavy rains that have fallen again this week still further postpones the date of planting. Not much more time remains for corn, even of the earlier sorts. In 1903, however, we planted considerable corn of our native sorts as late as June 10, and although it did not mature fully as corn usually matures in Kansas, it dried out enough to crib, and made pretty good feed. On this farm we could use a number of acres of soft corn so shall not give up planting more corn until June 20.

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# Help the Corn in Growing

Frequent Cultivations Conserve Moisture and Kill Weeds

BY C. B. HUTCHISON

THERE is no one method of cultivating corn that is adapted to all soils or to all seasons and each year brings its own problems for the corn grower to solve. Every farmer then must necessarily work out his own methods, but there are some things that if clearly understood will enable him to determine the best methods of cultivation for his conditions.

Corn is cultivated primarily for two reasons, to conserve soil moisture and to keep down weeds. Other things are also accomplished, such as setting free or making available the insoluble plant food that is in the soil and bringing about a better aeration of the soil. If the seedbed has been prepared well before planting, however, these effects are of minor importance, as they are accomplished by the stirring of the soil when the ground is being plowed and prepared for the crop. If the seedbed has been well prepared, the best part of the cultivation is done and the remainder will not be a difficult matter. If it was not worked well, and the ground was plowed when too wet or the stalks or sod were not thoroughly chopped up, trouble may be expected when the first cultivation of the corn begins. No amount of cultivation given the corn plants can be so effective or economical as that given before planting, nor can such cultivation be expected to take the place of good seedbed preparation.

## Conserving Soil Moisture.

There is usually enough rainfall in Kansas during the spring and summer in a normal season to afford sufficient moisture for the crop if it is not allowed to waste. Unfortunately, a great deal is wasted and our crops often suffer from lack of moisture during the hot and dry months of July and August. If the ground is kept loose and friable, much of the water from the spring and early summer rains will soak into the soil and be saved instead of running off the surface and often washing the land badly. If the surface of the soil is stirred frequently, especially early in the season while the corn is small, this will make a loose dry layer on top that will act as a blanket spread over the ground and will keep much of the water from evaporating. This mulch holds the water in the soil where the plant roots can take it up instead of allowing it to pass off into air and be wasted. In preparing the seedbed for corn, and in cultivating, keep in mind the idea of absorbing as much water as possible from the spring and summer rains and storing it in the soil where the plants can make use of it.

The destroying of weeds is usually the most important factor in the cultivation of corn. The amount and kind of cultivation necessary must be largely based upon its effectiveness in destroying weeds. In very dry seasons, after the corn is once well cleaned, weeds are of secondary importance, since the cultivation given to conserve moisture will keep them under control. If the season is exceptionally wet, however, or if the ground has become foul with weeds from lack of proper care, removing the weeds and grass is the main object of cultivation. Weeds should not be tolerated in the field at any time, for they interfere with the growth of the plants and use up plant food and moisture

that otherwise would go to the corn. The weeds most troublesome in the corn fields of Kansas are crabgrass, foxtail, ragweed, smartweed, milkweed, pigweed, cocklebur, morning glories and buttonweed. All of these weeds are easily killed as they are coming through the ground, but if allowed to get well started it is often a difficult matter to get rid of them.

## Methods of Cultivation.

Usually the cultivation of corn should begin by harrowing lightly before the corn comes up, or at least once or twice before the corn is large enough to cultivate with a cultivator. This is an especially good practice if planting has been followed by a rain that has packed the soil and caused a crust to form on top through which the plants cannot break. Early harrowing will also conserve moisture by stirring this top soil, kill the weeds and grasses which have started and throw out more seed to sprout and be killed by later cultivation. An ordinary spike tooth harrow or weeder is best adapted to this work. If conditions will permit, it is well to harrow once before the corn is up and again before it is large enough to cultivate in the ordinary way.

When the corn is large enough to cultivate, it should be plowed fairly deep and close the first plowing so as to kill all grass and weeds that may have escaped the harrow. Get the field cleaned out as early as possible, for it is more easily done then than later. Subsequent cultivations should be shallow—not to exceed 2 or 3 inches—and should be given every week or ten days and as soon after every rain as possible. Rains tend to beat the soil particles together and form a crust, which causes much loss of water by evaporation. In dry seasons keep a mulch on the ground all the time if possible, especially early in the season while the plants are small.

In general, shallow and frequent cultivations are best. This will make the most effective mulch and will not disturb the corn roots. Deep cultivation cuts off many of the feeding roots of the corn which extend out in all directions from the plants 4 or 5 inches below the surface of the soil at a time when they are badly needed to supply moisture and food to the plants. On some heavy clay soils of the level prairies of this state deep cultivation to afford aeration, and ridging to afford surface drainage, is advisable. In most cases, however, shallow and level cultivation after the corn plants are 18 to 20 inches high may be expected to give best results.

The practice of laying by corn by deep plowing to throw up ridges to the rows is not a good one. Many persons have the idea that this ridging causes the corn to stand up better, but experiments have shown that this is not true. In fact, the breaking of the roots, which always accompanies this ridging, may cause the corn to blow down worse, an effect that cannot be offset by loose dirt thrown around the base of the plant. This ridging also leaves deep furrows which catch the water from fall rains and causes land left in this condition to wash badly.

## Right Here.

He was new to a certain railway run in Wales—this guard. Came a station



With Good Seed, Good Soil, and the Right Kind of Cultivation, Corn Is Usually a Profit Making Crop in Eastern Kansas.

which rejoiced in the appalling name Llanfairfechnapwllgyllogerych.

For a few minutes he stood looking at the signboard in mute helplessness. Then, pointing to the board, and waving his other arm toward the carriages, he bellowed:

"If there's anybody there for here, this is it."—Evening Post.

## Prickly Heat Bothers Mule

I have a mule, 4 years old, which has small sores over his body during the summer. These sores seem to itch badly when the mule sweats. He sometimes bites them until they bleed. Most of them come on the neck and forelegs. Our veterinarian does not seem to know what the trouble is. Can you give me any suggestions or a remedy? Saline County, Missouri. N. S.

I am inclined to believe that your mule is affected with summer rash sometimes called "prickly heat." In many cases this may be relieved by administering, daily, a mild laxative such as 4 ounces of artificial Carlsbad salts with the feed and, in addition, washing the outside of the body with a 2 per cent solution of baking soda or a 1/2 per cent solution of carbolic acid.

R. R. Dykstra.

Kansas State Agricultural College.

## Breeding Horses Imported

The Bureau of Animal Industry has issued a list of horses imported for breeding purposes in 1914 for which certificates of pure breeding have been issued by the Federal department. This list includes the names of animals, their registration number, the name of the importer, and the department number for the various breeds.

This table shows the number of certificated horses imported for breeding purposes during 1914:

Breeds.	Stallions.	Mares.	Total.
Belgian draft	234	157	391
Clydesdale	17	34	51
Hackney	3	19	22
Percheron	343	181	524
Shetland pony	2	22	24
Shire	54	14	68
Standard bred	2	2	4
Suffolk	11	19	30
Thoroughbred	31	5	36
Welsh pony	11	49	60
Total	793	502	1,295

The list referred to can be obtained on application to the Bureau of Animal Industry.

## SHE QUIT But It Was a Hard Pull.

It is hard to believe that coffee will put a person in such a condition as it did an Ohio woman. She tells her own story:

"I did not believe coffee caused my trouble, and frequently said I liked it so well I would not, and could not, quit drinking it, but I was a miserable sufferer from heart trouble and nervous prostration for four years.

"I was scarcely able to be around, had no energy and did not care for anything. Was emaciated and had a constant pain around my heart until I thought I could not endure it.

"Frequently I had nervous chills and the least excitement would drive sleep away, and any little noise would upset me terribly. I was gradually getting worse until finally I asked myself what's the use of being sick all the time and buying medicine so that I could indulge myself in coffee?

"So I got some Postum to help me quit. I made it strictly according to directions and I want to tell you that change was the greatest step in my life. It was easy to quit coffee because I now like Postum better than the coffee.

"One by one of the old troubles left until now I am in splendid health, nerves steady, heart all right and the pain all gone. Never have any more nervous chills, don't take any medicine, can do all my house work and have done a great deal besides."

Name given by Postum Co., Battle Creek, Mich. Read "The Road to Wellville." in pkgs.

Postum comes in two forms: Postum Cereal—the original form—must be well boiled. 15c and 25c packages.

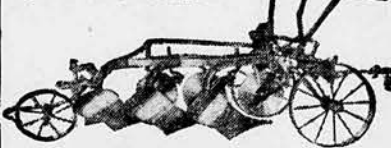
Instant Postum—a soluble powder—dissolves quickly in a cup of hot water and, with cream and sugar, makes a delicious beverage instantly. 30c and 50c tins.

Both kinds are equally delicious and cost about the same per cup.

"There's a Reason" for Postum.

—sold by Grocers.

Grand Detour "Junior" two or three furrow power-lift tractor plow.



## SERVICE

Service that you can depend on year after year should be the deciding factor in purchasing your plow. The Grand Detour Plow Co. offers you the strongest assurance of dependable service and stability. Note the many important features of the Grand Detour "Junior":—light weight, power-lift, adjustable rigid tractor hitch, and detachable 3rd beam. Let us tell you more about it.

## Grand Detour Power-Lift Plows

are recognized leaders in the plowing world. They represent the most modern improvements and are time, money and labor savers. Strength, lightness and dependability are built into the Grand Detour Plow. We want to send you complete information regarding our complete line of plows. Our booklet "Facts About Agriculture" also will be sent you for the asking.



Grand Detour Plow Co., (World's Oldest Plow Builders) 20 Depot Avenue, Dixon, Ill.

A scene on the Bonlevo Farms near Batavia, N. Y., where the three silos are filled each year with a No. 25 Blizzard.



Big Silos filled with small power

The regular farm gasoline engine furnishes plenty of power to make things hum with the

## BLIZZARD Ensilage Cutter

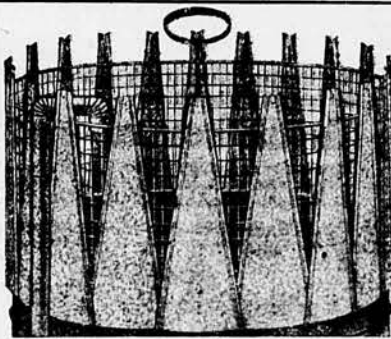
It is very light running because so simple and compact. Heavy fly-wheel carries both cutting knives and elevating fans.

The Blizzard is the tried and true cutter for the farm. Simple, strong, safe. Only small power needed. Big capacity and unlimited elevating ability. Self-feed table saves one man's labor. Runs steady as a clock. Many in use 14 and 15 years. Repair expense little or nothing.

Write for latest Blizzard catalog—and see your dealer today.

The Joseph Dick Mfg. Co.

Box 34, Canton, Ohio



## Add 6 Feet to Your Silo Without Cost

A 24-foot silo will have same capacity as a 30-foot silo if equipped with the

## Paige Opening Silo Roof

No waste space at top, no spoiled silage, no refilling of silo. Extra silage in first filling more than pays for the Paige Steel Roof. Write today for price and illustrated literature. State diameter of your silo. Dealers Wanted.

SILO SPECIALTY MFG. CO.

402 19th St., Clinton, Iowa

## DAISY FLY KILLER



placed anywhere, attract and kills all flies. Neat, clean, ornamental, convenient, cheap. Lasts all season. Made of metal, can't spill or tip over; will not soil or injure anything. Guaranteed effective. Sold by dealers, or six sent prepaid for \$1.00.

HAROLD SOMERS, 150 DeKalb Ave., Brooklyn, N. Y.





**MEN** who use the *Real Tobacco Chew* like it better than any other tobacco.

Better tasting than the old kind; more satisfying; lasts you longer. You get the good of the mellow, sappy tobacco.

A little chew of pure, rich, mellow tobacco—seasoned and sweetened just enough—cuts out so much of the grinding and spitting.



THE REAL TOBACCO CHEW IS NOW CUT TWO WAYS!!  
W-B CUT IS LONG SHRED. RIGHT-CUT IS SHORT SHRED.

Take less than one-quarter the old size chew. It will be more satisfying than a mouthful of ordinary tobacco. Just take a nibble of it until you find the strength chew that suits you, then see how easily and evenly the real tobacco taste comes, how it satisfies, how much less you have to spit, how few chews you take to be tobacco satisfied. That's why it is *The Real Tobacco Chew*. That's why it costs less in the end. The taste of pure, rich tobacco does not need to be covered up. An excess of licorice and sweetening makes you spit too much.

One small chew takes the place of two big chews of the old kind.

(Notice how the salt brings out the rich tobacco taste.)

WEYMAN-BRUTON COMPANY, 50 Union Square, New York City

BUY FROM DEALER OR SEND 10¢ STAMPS TO US

## Cushman Binder Engines for All Farm Work

Cushman 4-Cycle Gasoline Engines have established their reputation for reliability under the hardest test ever given a farm engine—attached to the rear of a binder in the harvest field. Thousands are in use, doing all farm work, that were bought to use on binder. Fits any binder. Engine drives sickle and all machinery, leaving the horses nothing to do but pull the binder.

**Throttle Governed—4 to 20 H.P.**

Run easily and quietly like high grade automobile engines. Very light weight—4 H. P. only 190 lbs.; 8 H. P. only 320 lbs. Run at any speed. Friction Clutch Pulley. Iver A. Madson, Wheatland, N. D., says: "I have six engines and the Cushman is the best."

4 H. P. Truck—Same Engine Used on Binder



It uses a carburetor of the best design and also a good clutch, which other farm engines do not have. It does not jump like a heavy engine. On the binder it is a great saving of horse flesh. I put it on an 8-ft. McCormick and it never stopped in the worst tangled grain. It will do all the Cushman people claim, and more, too.

Ask for free Engine Book.  
**CUSHMAN MOTOR WORKS**  
814 N. 21st Street, Lincoln, Nebr.

# Wool

**We Pay Best Prices for Your Wool**

Send your name and address and you will receive FREE our Quotation List regularly. WRITE today.  
**ST. JOSEPH WOOL CO.**  
733 So. Fourth St., St. Joseph, Mo.

When writing to advertisers please mention the Farmers Mail and Breeze.

## To Unite in Grain Selling

Greatly Increased Profits Come to the Kansas Communities Which Have Co-operative Elevators

A FARMERS' elevator company is organized as a corporation and usually incorporated under the laws of the state in which it is located. The usual corporation officials are elected, namely, a president, vice-president, secretary, treasurer, and a board of directors, varying in number but usually consisting of from five to nine men.

The capital of a company ordinarily is about \$10,000. Shares of stock are issued and sold by the corporation. The par value of a share usually is \$25 or \$50. The number of shares which may be issued to one person frequently is determined so that the total investment of any individual shall be limited to from \$200 to \$500, varying in different companies. Frequently each share owned by a person entitles him to a vote at a meeting of the stockholders, but the number of votes that may be cast by any individual usually is limited regardless of the number of shares he may hold. In other cases each stockholder is entitled to but one vote irrespective of the number of shares in his possession.

These provisions, limiting stock holdings and voting powers, are inserted into the bylaws to guard against any person gaining control of the corporation and thus attempting to manage it for private gain instead of for the mutual benefit of the share holders and the farmers of the community who have grain to market. Experience has shown that these provisions have been valuable safeguards, says the American Co-operative Journal.

Instances have been cited of an attempt to learn the secrets of the company through securing stock holdings. There also are other instances in which competing line elevator men have made considerable purchases of stock after it has been issued, such purchases being beyond the control of the company. If there were then no limitations placed upon voting beyond stock holdings it would be comparatively easy for an individual to gain a controlling interest, and thus to prevent the farmers' elevator company from carrying out the plans which it was designed to carry out.

Some companies also place restrictions upon the transfer of stock, requiring the consent of a majority of the board of directors in case a stockholder wishes to transfer his shares to another individual. In case the consent of the directors is not granted, provision is made for the purchase of the stock by the company at a fair price in case of a desire on the part of the stockholder to dispose of his stock.

The holding of stock in the corporation entitles an individual to share in the profits. In many cases dividends are declared and all the profits which the company sees fit to distribute are divided among the stockholders strictly according to stock holdings. In such cases the distribution of profits is identical with that of the ordinary corporation.

In a number of cases, however, attempts are made to distribute profits on a co-operative basis. Farmers' elevators are organized for mutual benefit and not for private gain. They also frequently are called co-operative companies, and some have the word "co-operative" included in the legal name of the corporation. For these reasons it seems that attempts to distribute earnings on a co-operative basis would accord most nearly with the principles upon which a farmers' elevator company is organized. Millard R. Myers, editor of the American Co-operative Journal, says that about 10 per cent of the companies distribute their profits on a co-operative basis, and accounts for the low percentage of companies doing so by the fact that very few states provide for the incorporation of companies which are to operate on a co-operative basis. Recently, however, additional states have made provisions for this type of organization. Nebraska and Wisconsin have had such laws for some time, and the legislature of South Dakota passed a "co-operative law" in 1913.

In case a company operates as a co-operative concern a definite return is granted to each share holder. This is not intended to be a dividend, but merely interest on the capital invested. The rate of return thus allowed will be

governed by the prevailing interest rate in the community, ranging from 7 to 8 per cent in Illinois and Iowa up to as high as 12 per cent in the Northwest.

The earnings remaining, after interest has been paid as stated above, are considered as profits. These are then distributed among the stockholders according to the amount of business each has done with the company. The distribution may be made according to the number of bushels of grain which each has sold to the elevator. But, since very few elevators confine their business to the purchase of grain, but also sell a number of commodities, in most instances the profits will be distributed according to the money value of the business which each stockholder has done with the company, both purchases and sales being included in determining the value of the business. The plan of the Rochdale weavers is thus followed.

This method of distributing profits will bring about the greatest loyalty to the company and encourage each stockholder to do as much business as possible with it. One company using this plan said that as a result of it the members seemed to compete with each other to see which could "boost" the hardest for his company. It also serves to discourage the purchase of stock by those who make the purchase merely for the sake of an investment without having a direct interest in the work of the company. The elevator is organized for the benefit of the man who has grain to sell, and the control of the enterprise, as far as possible, should be placed in his hands.

### Tile the Side Hill, Harley

I can't help being a little amused at what Harley Hatch says about tile draining his seepy side hill. My advice to Mr. Hatch, as a friend and of the Farmers Mail and Breeze family for years is to tile it by all means, running the tile around the slope in such a way as to cut off the seepage and guard against running the tiles up and down the hill, thereby eliminating as much as possible the danger of water washing out the soft dirt over the tile before it has become well settled. If there are some parts that he isn't certain about it would be better to tile it. Always give the tile the benefit of the doubt. If properly done it will be the first ground in the spring that he can work. Always begin at the outlet then he will have the water to grade by. A very slight fall is sufficient, but a considerable fall will not be too much.

While living in Iowa I had hundreds of rods of tile put in. There we had broad flat sloughs very wet and mirey for a rod or two on each side and more solid in the middle. There we ran the ditches pretty well to the other edges to cut off the seep from the higher land. The rule there was that a man would draw a rod for every foot in depth, that is, a ditch with the tile laid 3½ feet deep would drain a strip 7½ rods wide.

It often happened that between two slopes up about where they come together, there would be a little point that didn't work right; not really wet, but slightly stiff and heavy, and not so productive as the rest. A string of tile run into it, would help it wonderfully.

Experts declare that tiling aerates the ground. They are never afraid to use tile, but they know that they are properly put in. A good way to fill the ditch is to take a common scoop scraper and put a stick or rope across from one handle to the other, to take hold of to pull it back by. Put on a light chain long enough to have the team on the other side of the ditch. Have one man to drive and the other to hold. Put the scraper behind the dirt and step the team up till the scraper gets nearly to the ditch. Lift the handles a little, then back up and do it over again. A spry team will soon learn and it is surprising how much two men and a team will put in in a day. As soon as the tile are laid slice a little off the edges of the ditch with a spade, enough to cover the tile a few inches deep to hold them in place. Then you can fill the ditch when you get ready.

Fowler, Colo.

C. E. Brown.



## An Old Time Harvest

FROM LORNA DOONE.

"We, the men, kept marching onward down the flank of the yellow wall, with knees bent wide, and left arm bowed, and right arm flashing steel. Each man in his place, keeping down the rig or chine, on the right side of the reaper in front, and the left of the man that followed him; each making farther sweep and inroad into the golden breadth and depth, each casting leftward his rich clearance on his foregoer's double track.

"So, like half a wedge of wild-fowl, to and fro we swept the field; and when to either hedge we came, sickles wanted whetting, and throats required moistening, and backs were in need of easing, and every man had much to say, and women wanted praising. Then all returned to the other end, with reaping-hooks beneath our arms, and dogs left to mind jackets.

"But now, will you believe me well, or will you only laugh at me? For even in the world of wheat, when deep among the varnished crispness of the jointed stalks, and below the feathered yielding of the graceful heads, even as I gripped the swaths and swept the sickle round them, even as I flung them by to rest on brother stubble, through the whirling yellow world, and eagerness of reaping, came the vision of my love, as with downcast eyes she wondered at my power of passion. And then the sweet remembrance glowed, brighter than the sun through wheat, through my very depth of heart, of how she raised those beaming eyes, and ripened in my breast rich hope. Even now I could descry, like high waves in the distance, the rounded heads and folded shadows of the wood of Bagworthy. Perhaps she was walking in the valley, and softly gazing up at them. Oh, to be a bird just there! I could see a bright mist hanging just above the Doone Glen. Perhaps it was shedding its drizzle upon her. Oh, to be a drop of rain! The very breeze which bowed the harvest to my bosom gently might have come direct from Lorna, with her sweet voice laden. Ah, the flaws of air that wander where they will around her, fan her bright cheek, play with lashes, even revel in her hair and reveal her beauties—man is but a breath, we know; would I were such a breath as that!

"But, confound it, while I ponder, with delicious dreams suspended, with my right arm hanging frustrate and the giant sickle drooped, with my left arm bowed for clasping something more germane than wheat, and my eyes not minding business, but intent on distant woods—confound it, what are the men about, and why am I left vaporing? They have taken advantage of me, the rogues! They are gone to the hedge for the cider-jars; they have had up the sled of bread and meat, quite softly over the stubble, and if I can believe my eyes (so dazed with Lorna's image), they

are sitting down to an excellent dinner before the church clock has gone eleven!"

## Don't Sign Notes Carelessly

A smooth-tongued agent worked among the farmers of the state during the winter selling a formula for a stock tonic. A warning was issued by L. A. Fitz, professor of milling industry in the college, against buying this formula since it was of no special value as a tonic.

A bank in Sedgwick county has just written to the college saying that it holds a note for \$84 which was given by a young farmer in payment for the formula. The banker wants to know if there is any way in which the farmer's money can be recovered.

The agent said his tonic was a digestive tonic and that it could be fed profitably to all stock. It aids digestion, he said, sweetens the stomach, and acts immediately on the affected parts; it is a regulator, a fattener, a blood purifier, and a worm expeller. The constituents of the formula were disguised by means of long words but translated into everyday language included the following: Glauber salts, sulphur, charcoal, fenugreek, baking soda, common salt, licorice, American worm seed, anise, ginger and cayenne pepper.

## Granges Buy Binding Twine

The West Buffalo Grange, in co-operation with the nearby Granges, purchased a carload of binding twine recently. This twine cost \$2,000, and it was sold to the farmers from the car at actual cost. A part of the car was unloaded at Benedict at \$7.05 a hundred, and the remainder was sent to Buffalo, where the unloading price was \$7.18 a hundred. These prices are considerably lower than the price of twine purchased in the ordinary way.

Perhaps the most interesting thing in the development of farming in Woodson and Wilson counties is the marked growth of co-operation among the members of the Grange. This organization is very strong in that section, and the farmers are acting as a unit on almost every question. Many kinds of farm supplies have been purchased by co-operation, in carload lots, this year, just as the binding twine was bought, at a considerable reduction above what would have been paid otherwise. A great deal of selling of farm products by co-operation also has been done. The co-operative sale of hogs has been especially profitable. H. A. Nichols of Buffalo is master of the West Buffalo Grange.

## About Alfalfa Feeding

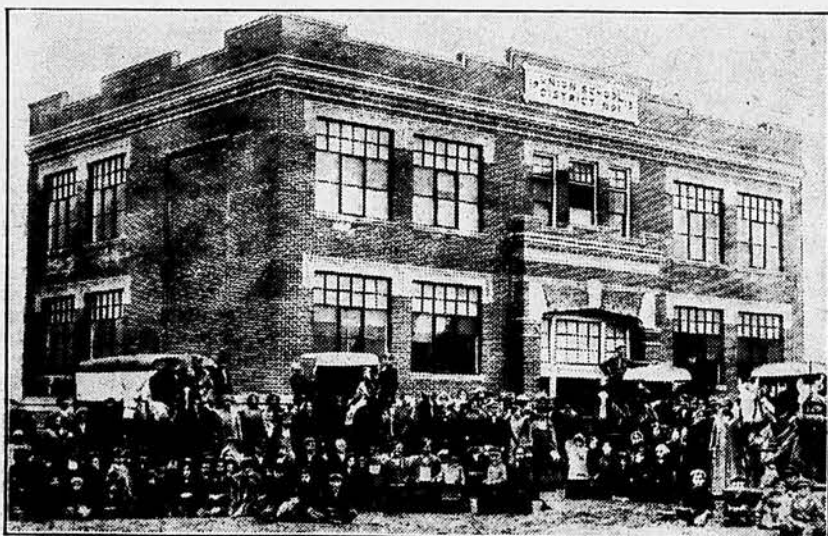
Some of the alfalfa in this section has not bloomed this spring. Will this hay bloat animals when it is fed properly?

D. H. DYCK.

Hillsboro, Kan.

There will be no trouble from bloat with this hay if it is fed properly in a balanced ration.

## Here's a Fine, Consolidated School

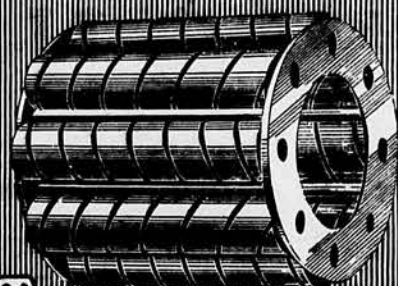


This is an Argument for the Get-Together Spirit in School Matters. Why Not Encourage the Idea?

I noticed in the Farmers Mail and Breeze, recently, a letter from Harley Hatch in which he told of the school in his district and the children. I am sending you a picture of our consolidated school. We have had this school for six years. The children who ride in the wagons have never been tardy one day during that time. There are four consolidated districts adjoining in this county; so you see a good thing grows. Why doesn't Mr. Hatch try for a consolidated school in his district?

Quincy, Kan.

James Hollister.



**HYATT**  
ROLLER  
BEARINGS

**GIVE MORE WEAR  
WITH LESS CARE**

For "care free" service from an automobile, tractor, motor truck or in fact any kind of machinery, good bearings are necessary. If the bearings are not right they are a continual source of trouble and expense to say nothing of lost time in repairs.

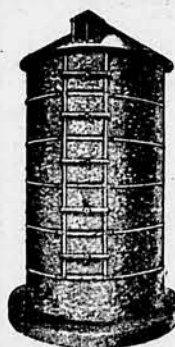
The use of Hyatt Roller Bearings insures you against bearing troubles. They give more real service with less attention than any other bearing.

The hollow spiral rollers of Hyatt Bearings have many advantages over the old style solid rollers—they cushion shocks—keep gears and shafts in alignment, and relieve the surrounding parts of strain.

The hollow rollers carry a large quantity of oil and the right and left spirals spread it over the entire bearing service. You can readily see the great advantage of having your bearings oiled in this manner. With the old style bearings it's almost necessary to stop every half hour and oil to prevent burning them out.

Hyatt Roller Bearings mean "care free" bearing service in all kind of machinery.

**HYATT**  
**ROLLER BEARING CO.**  
DETROIT-NEWARK, N.J.-CHICAGO.



**Galvanized, Hollow  
Wall, Wood  
Lined . . . SILO \$6300**  
And up

Hinged doors, ladder and other good features. Built as solid as a house, will last a life-time and requires no attention after erection. Has FOUR walls. Air space prevents freezing which makes it the best silo for a cold climate.

### "Silo Facts in a Nut Shell"

Big FREE Silo Book. Describes ALL kinds of silos and shows how to save cost of silo the first year. Send for it TODAY. IT WILL PAY YOU. Also tells about our superior line of metal grain bins—this is the year you will want to hold your grain. Send for book NOW. Agents wanted.

**KRETCHMER MANUFACTURING COMPANY**  
318 Eleventh Street Council Bluffs, Iowa

## "The Old Reliable" Eagle Hay Presses

Bale hay faster and better and cheaper than any other hay press made. Simple, easy and safe to handle. Built strong and durable. Make perfect bales. Fed from either side, or both at once. Built in all sizes, from "Eagle Jr." for one horse, to largest power machine. Also,

**Kafir Corn Header** Cultivators, plows, listers, planters, harrows, stalk cutters—made in Oklahoma for Oklahoma conditions.

We give you prompt service, and back our implements with an ironclad guarantee.

**Eagle Hay Press and Implement Co.**  
Factory and General Offices, Muskogee, Okla.

Get Our  
Free Booklet and  
Prices Before  
You Buy.





Why produce such a perishable article, when it is so easy to get around it just by "awattin' the rooster?" An infertile egg will keep so much better than a fertile one that there is hardly any comparison between them. For instance, eggs that were infertile were once placed in an incubator for 21 days. These same eggs were then used in baking some cakes which were pronounced fine by the poultry association members who ate them.



## HOME DRESSMAKING

These patterns may be had at 10 cents each from the Farmers Mail and Breeze.

Shirtwaist 7237 is made with back and front in one piece. The pattern is in six sizes, 34 to 44 inches bust measure. The rompers 6737 are in sizes 2, 4, and 6 years.

Skirt 7243 is in six sizes, 22 to 32 inches waist measure.



Pattern 7260 for girl's dress provides also for bloomers. It is cut in sizes 2, 4, 6, 8, and 10 years.

Apron 7257 is cut in sizes 36, 40 and 44 inches bust measure.

### USE THIS COUPON FOR PATTERN ORDERS.

The Farmers Mail and Breeze, Pattern Department, Topeka, Kan.

Dear Sir—Enclosed find.....cents, for which send me the following patterns:

Pattern No. .... Size.....  
Pattern No. .... Size.....  
Pattern No. .... Size.....

Name .....

Postoffice .....

State .....

R. F. D. or St. No.....

BE SURE TO GIVE NUMBER AND SIZE.

### A Homemade Fireless Cooker

(Prize Letter.)

I had long wanted a fireless cooker and at last decided to make one myself. I took a box about 14 by 14 by 20 inches and covered it inside and out with two or three thicknesses of paper. Then I took inch boards and made extra ends and bottom, put on a cleat at each end for convenience in moving and papered once more. I made the lid with strips on sides and ends, cutting the pieces so it would fit down over the box trunk fashion, then papered it like the box and tacked felt on the inside. I had no asbestos or hay to put inside my box, but I had some feathers I had put in pillows for the purpose.

My first trial was with rice and potatoes. I brought them to the boiling point on the stove, put into tightly covered pails, whisked them to my boy and stuffed the feather pillows over and around them, slipped the lid into position, and my part was done. Two hours later when I took out the pails I found them as hot as when they were put in

and the potatoes and rice cooked nicely. In the years since then I have found my fireless cooker very useful. I can prepare my Sunday dinner at breakfast time. I start it on the cook stove, then transfer to my cooker, coffee and all; after church we eat a steaming good meal with no further trouble than putting it on the table. I like my roomy box with no stationary stuffing, so I can put in as many or as few dishes as I want and fill as necessary each time with my adjustable pillows. The important thing is to have it air tight. A weight may be put on the lid to hold it down firmly. Castors may be added for moving box around.

Frances H. Brown.  
Cheyenne county, Colorado.

### Writing Out a Good Recipe

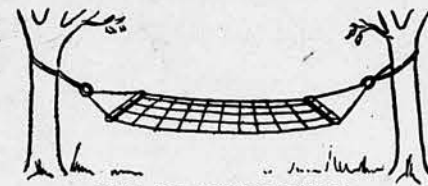
The home department editor of the Farmers Mail and Breeze is always looking for recipes, new or old, for anything that is good to eat. Every woman has from one to several recipes that other women would gladly know, and she is invited to send these recipes to the Farmers Mail and Breeze.

There is a good way and a poor way to send a recipe to a paper. For instance, here is a recipe for a cake: Take 1½ cups sugar, ½ cup butter, 3 eggs, 3 cups flour, 2 teaspoons baking powder, 1 cup milk. This is the entire recipe, as given; and it is said to be delicious. But it will readily be seen that this does not make a cake. The ingredients are simply sitting around on the table, waiting to be put together.

A complete recipe such as is welcomed by the editor of any paper tells all the ingredients, the amounts of each, including the exact amount of flour, the way they are put together, and any details necessary about baking. The success of any recipe is due fully as much to the putting together and baking as to the ingredients.

### Ready for Hammock Time

A comfortable and durable hammock may be made of a section of woven wire fencing about 4 feet wide and 12 feet long. Cut the wires so the ends may be used to wrap around a piece of wood at each end or, as in our case, some short



ONE OF WOVEN WIRE.

pieces of inch piping. Suspend with several strands of wire, and you have a strong hammock which can be left out the year round and which will not be injured by rain or wind. Cover with old carpet and pillows to make it more comfortable. G. N. N.

### Request for Information

A reader of the Farmers Mail and Breeze near Deerfield, Kan., asks, "Will you please publish on the women's page in your paper a good way to renew an old mirror?" Information on this subject, in answer to a similar request, was published in the issue of May 15.

### Be Men

Did you tackle the trouble that came your way  
With a resolute heart and cheerful,  
Or hide your face from the light of day  
With a craven soul and fearful?  
Oh, a trouble's a ton or a trouble's an ounce,  
Or a trouble is what you make it;  
And it isn't the fact that you're hurt that counts,  
But only, how did you take it?

You are beaten to earth; well, what of that?  
Come up with a smiling face;  
It's nothing against you to fall down flat,  
But to lie there, that's the disgrace.  
The harder you're thrown the higher you'll bounce!

Be proud of your blackened eye;  
It isn't the fact that you're licked that counts,  
It's how did you fight, and why?

And though you be done to the death, what then?

If you battled the best you could  
And played your part in the world of men  
The Critic will call that good.  
Death comes with a crawl, or comes with a pounce,

But whether he's slow or spry  
It isn't the fact that you're dead that counts,  
But only, how did you die?  
—Edmund Vance Cooke.

Adenoids prevent normal physical and mental growth.

## Good News for the Economical Housewife



The peculiar weave, beautiful patterns, and dainty colorings of "Serpentine Crêpe" make it especially effective for home, party, and outing blouses for summer wear.

The plain colors or dark striped patterns are also good for the little tots' rompers; while many a small girl will enjoy every hour of her day when she wears a frock of blue "Serpentine Crêpe" on which tiny pink roses are daintily printed, or one made from one of the twenty other handsomely colored patterns of this famous fabric. You can buy

## Serpentine Crêpe

at all good stores, but if you would avoid disappointment be sure that the name "Serpentine Crêpe" is imprinted on selvage of every yard. If you cannot find just what you want at your store, write us for free samples and list of retailers who will fill your orders.

PACIFIC MILLS

LAWRENCE, MASS.

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Take a vacation from drudgery this summer and enjoy rest and recreation out of doors. A good Kitchen Cabinet will save you many weary steps and enable you to get your meals in half the time.

### The Klemp Kitchen Cabinet

is comparatively inexpensive, yet is splendidly built and has all the latest conveniences. Sliding doors which can be opened or closed without removing things from the work table; metal bread and cake box; glass jars for sugar, spices, coffee and tea; 50-pound flour bin; wide sliding pastry board; large sliding work table, top covered with aluminum. Dust-proof, insect-proof, mouse-proof.

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H. W. KLEMP FURNITURE CO.

700 Cherokee Street,

Leavenworth, Kansas



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ESTABLISHED 1890

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## An Opportunity

No field of endeavor today offers so much to ambitious, successful men as salesmanship. The live wires in every line of business are the men who sell things.

The sales department of Farmers Mail and Breeze offers an exceptional proposition on a salary and commission basis to men in Kansas who are anxious to increase their earning capacity. Previous selling experience is not essential. With our offer an income is assured for anyone, size of the income commensurate with the effort expended. We are anxious to explain our proposition to responsible men.

Agency Division

Farmers Mail and Breeze

800 Jackson Street

Topeka, Kansas



# PRINCE ALBERT

the national joy smoke

## Just pulls down the bars!



Copyright 1915  
by R. J. Reynolds  
Tobacco Co.

Men, P. A. leads you right into the pipe pasture; just issues a peace permit to smoke away all day long without a nipped tongue or parched throat—and makes you realize for once that you never tasted such happy days tobacco in your whole life! The patented process fixes that—and muffles the bite!

To you men who would smoke a pipe if you dared, we say Prince Albert has made thousands of men change their notions; has dug thousands of friendly old pipes out of dark corners.

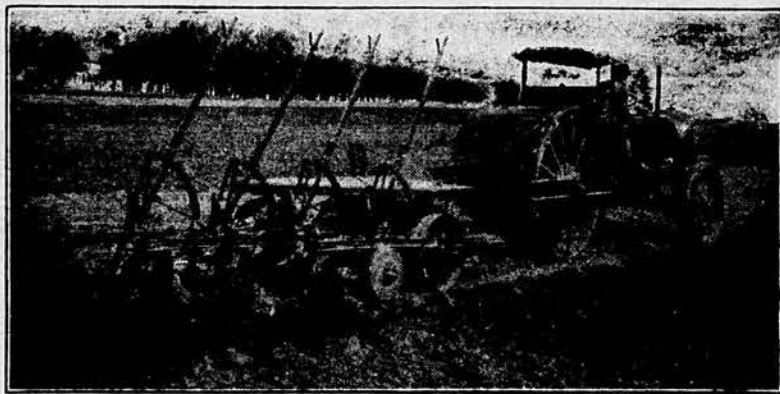
You stand right up from where you're sitting and declare for yourself that you'll try out this Prince Albert tobacco. And do it mighty quick, for P. A. will prove out so true, puff by puff, when it's packed into that old jimmy pipe—that you'll stay up pretty late trying to get your fill before the cocks call the opening of tomorrow!

Prince Albert is put up in the handy toppy red bag, protected by three wrappings to keep all the goodness within. It sells for 5c. P. A. is also sold in the tidy red tin, for 10c. Or you may buy it in the handsome tin pound and half-pound humidor and in the classy pound crystal-glass humidor with the sponge-moistener top that keeps P. A. fit like a fiddle.



R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C.

## The "Kinnard" Tractor



### The Latest Addition to the Flour City Line

The "KINNARD" is not a two-plow affair, but is a strictly four-plow tractor, guaranteed to pull four 14-inch plows at the rate of two and one-half miles per hour. It has weight enough to stick to the ground, power enough to pull the load, and is substantial enough to stand continuous work.

It is equipped with a four cylinder, vertical motor; 60-inch drive wheels with 16-inch face; Hyatt Roller bearings throughout, (except motor); Automobile Steering device, and the best standard accessories. A cheap price is not its dominating feature, but its size, power, and capacity is destined to solve the Small Tractor problem.

If interested send for descriptive Circular.

KINNARD-HAINES CO., 854 44th Ave. No., Minneapolis, Minn.



### Embroidery Set FREE

This beautiful 5-piece Table Set, Wild Rose design—1 large Centerpiece with 4 doilies to match. Stamped on fine quality art linen 1/2 yd. long. This free to all who send only 10c. for trial 3-months sub. to our big fancy work and family magazine. Address Household E. & Co., Dept. 29, Topeka, Kan.

### 2015 MODEL 22 Cal. HUNTING RIFLE Free

A REAL GUN. Take-Down pattern, with latest improvements, walnut stock and grip. Shoots accurately 22 long or short cartridge. Handsome, durable. SEND NO MONEY only your name and address for my easy plan of securing this fine rifle Absolutely Free—price prepaid. Write today. D. W. BEACH, Box 52, Spencer, Ind.

### Boy's Profit Is \$102 an Acre

A boy farmer who grows 116 bushels 47 pounds of corn to the acre is entitled to championship honors that many older farmers would be glad to receive. William James, an Allen county boy living near Colony, is the boy who made this record.

Besides having the honor of being champion corn grower of the state, young James made \$123 from his acre of corn. After all his expenses were paid his net profit was \$102. An itemized account of his corn makes interesting reading. Here it is: 104 bushels and 47 pounds sold at 70 cents a bushel, \$73.22; 12 bushels of seed corn sold at \$2.50 a bushel, \$30; premiums in contests \$20; rent and other expenses \$21.15.

After reading the methods young James used in raising corn any farmer can readily see that a lazy man never will be a corn king. He plowed the field 10 inches deep in the fall. Before planting his corn he went over it with a disk four times. The corn was planted very thickly and later was thinned to a stalk every 12 inches. Cultivation was done with one and two-horse tools and the whole field was gone over 10 times.

"James had an almost perfect stand," said W. E. Watkins, county agent. "Nearly every stalk on his acre had two and some had three ears."

A number of other Allen county club boys made exceptional records. Harold Weber of Carlyle, who won second place produced 87 bushels of corn on an acre at a cost of \$10.50. He made a profit of \$50.40 besides winning \$15 in premiums. Alva Shadwich of Iola, who won third in the boys' corn growing contest, grew 74 bushels of corn to the acre at a cost of \$0.25. He made a profit of \$42.55 besides winning \$19 in premiums.

Allen county, where these exceptional corn records were made, was one of the first to secure a county agent. The value of the work that has been done there was shown in a striking manner this fall when the eastern loan companies reduced the interest rates one-half of 1 per cent for that county.

### When Stacking Headed Grain

Headed grain should not be stacked on the wet ground. If it is possible to get old straw spread a light covering on the ground to build the stack on. The grain will test better and the bottom of the stack will not grow fast to the ground. The stack should be 30 feet long and 12 feet wide. Begin stacking when the grain is first being unloaded, for a load dumped carelessly on the bottom of the stack is sure to make it settle to one side. Do not make a bulge on stacks in a windy climate, but keep the center full and solid. The pitchers should pitch to the center of the stack. Bundles should be stacked like the carpenter lays shingles on a roof and headed grain and hay should be stacked on the same plan.

Lay a small forkful on the edge of the stack and a larger forkful farther in to bind the first, and continue in this way around the stack. As the grain is pitched to the center of stack the center will take care of itself except for smoothing and tramping. All large forkfuls should be torn apart. Test your stack by laying the fork across from center to the outer edge and stand on it. If it slopes well to the edge the stack will keep well. Inexperienced stackers keep the side of the stack higher than the center, but this is poor stacking. Never use stone or castings for hangers as they often get into the thrasher. Posts are best for hangers and should be by all means be used.

The stacker has the lightest work of any man in the harvest field and he should not be paid better wages than the pitchers.

Athol, Kan.

### Toronto Man Is Angry

An unsigned letter, posted at Toronto, Kan., was received in the office of the Farmers Mail and Breeze more than six weeks ago. The writer asked the editor to print an article replying to one which had appeared in another publication. In conformity with the established rule applying to anonymous communications this letter and the article were destroyed. Now comes a second letter from the person at Toronto—still unsigned—demanding to know why the

article was not published. A stamp was enclosed for reply and for return of the article. Unless this writer will consent to use his name in addressing this paper he must not expect very satisfactory results. If he will send his name to the editor his stamps and the unsigned letter he wrote June 10 will be sent him to prove, for his own amazement, that his carelessness must be blamed for this unpleasant experience.

### Be Specific in Rain-Prayers

I am neutral in regard to the European war, but I have a kick to make in regard to this rain. I am not a grouchy by nature; in fact I have a very sunny disposition, but seeing all my crops going down Duck Creek makes me just a little bit peevish.

I was afraid of this, last summer, when I read of whole states praying for rain. I heard several of the prayers myself and I never heard any particular time or quantity specified.

Now, when I was a boy my mother taught me that we had a prayer given us in the Good Book called the Lord's Prayer. It starts like this: "Our Father who art in Heaven, hallowed be Thy name," and farther along it says, "Give us this day our daily bread."

Now, this prayer, I am informed, has been all sufficient for countless millions in the past, but if it doesn't suit in this commercial age, and we must have a new one, I think the governor of any state who calls for rain-prayers should have his attorney-general or some good corporation lawyer write up a prayer that will cover all the points at issue, and follow out, on a business administration line, all his suggestions. Personally, I have had enough of this answering prayers made last summer that were undated and had no limit for time nor quantity put on them.

J. G. Mitchell.

R. 1, Lafontaine, Kan.

### Oiling the Felloes

An inquiry was received in this office a week ago about oiling felloes. This inquiry came from Rydal, Kan., but unfortunately has been lost. But here's the answer:

Oiling of felloes is a very desirable practice and can be done by the average farmer. It is advisable to have a wheel pan that is at least 2 inches deeper than the depth of felloe and tire, and in which the wheel can revolve while in a vertical position. Mount pan where heat can be applied easily to it yet so no flame plays up over the edge to ignite the hot oil.

Heat a suitable amount of oil (raw linseed) to the boiling point. Have a pivot mounted so that the wheel can be easily slipped on it, and have felloe just covered with the boiling oil. Revolve wheel slowly so all parts are thoroughly soaked, and until practically all air bubbles have stopped showing from the wood. If tire is not more than just loose, this treatment will tighten it in good shape unless the wood is soft, broken, or worn away at too many joints.

If, however, the tires have been off the wheels for some time and the wheels are very old and much abused, it is usually better to have tires shrunk to fit wheel, by a blacksmith, and then give them the hot oil treatment.

Nothing is gained by leaving wood in oil over night. If oil is pure linseed, raw, and boiling, ten minutes will take care of a buggy or cultivator wheel, and from twenty to twenty-five minutes for an average farm wagon wheel.

W. H. Sanders.

Engineering Department, K. S. A. C.

### Another on Cream Tests

I notice what V. R. Jones has to say about the variations of cream tests. I should like to ask Mr. Jones if he ever took a sample of cream to more than one creamery and had it tested. If so did it test the same? Did he ever ship cream and occasionally pour in a gallon or two of water to see if the creamery would lower his test? Did he ever turn his cream screw down to increase his test 10 to 15 per cent to see if he was getting a fair deal?

I have, and I'm satisfied the variations are caused as much by the tester as anything else. If the per cent of fat changes in a cow's milk why do other dairy papers and the state experimental bulletins teach differently? Hoard's Dairyman says the per cent of fat does not change.

B. L. Jones.

West Line, Mo.



### About Pure Seed Laws

I bought some Sweet clover seed, in the spring of 1914, from a reliable home dealer who gets his supplies from the best seed houses in the state. The seed was guaranteed to be the White Bloom variety but has proved to be the worthless Yellow Bloom. What recourse have I under the pure seed laws of the state, and who is guilty?  
OTTO HOCHULI.

Holton, Kan.

You have no recourse under "the pure seed laws of the state", for the simple reason that there are no such laws in Kansas. Personally I have worked for four successive sessions of the legislature, endeavoring to get a pure seed law passed, but for one reason or another the bill has failed to pass each time. The seedsmen have always fought and lobbied against the bill. You have simply added another reason to the long list we already have of reasons why Kansas should pass a pure seed bill, and get in line with the 20 states that have such laws.

If the farmers will resolutely and persistently get behind the pure seed movement, and instruct—not request—their representatives in the legislature to vote for a reasonable pure seed bill, there is a fair chance of getting one through. Now in the present case, your only recourse is in a suit for damages against the man who sold the seed, provided it was offered for sale, and sold as seed of White Blossom Sweet Clover. I wish to suggest that you make sure that the plants are of the worthless annual Yellow Blossom Sweet clover, known botanically as *Melilotus Indica*, which is, indeed, a worthless weed, and not of the taller biennial Yellow Blossom Sweet clover, known botanically as *Melilotus officinalis*. The latter is really nearly as valuable as the white blossomed species. If you will send me plants of the Yellow Sweet clover, and especially save me some seed, I can tell more about this. If the plants are the worthless annual Yellow Blossomed species, they will bloom this year. If they are the taller biennial Yellow Blossomed species, they will not bloom until next season.  
H. F. Roberts.

Kansas Experiment Station.

### His Horse Is Lame

We have a horse that has something wrong with his right hind ankle. When he pulls hard and then stands he gets so stiff that he can hardly walk. The horse can stand light work very well without it hurting him, but as soon as he begins to pull heavy it then hurts him. There appears to be no swelling, however, and the horse has been that way since early last fall. Can you please tell me what is the matter with him?  
FRANK F. FARNEY.

Sylvan Grove, Kan.

From the symptoms submitted I believe that your horse had at some time sprained the tendons in the region of the fetlock and that, with the hard labor, any healing which has taken place has again broken down, causing an increased lameness at that time.

I would suggest that you give the horse rest by placing it in a single stall and not moving it out of the stall for about four weeks. During this time you should place a layer of cotton around the affected part and to the outside of this a bandage. The cotton should be kept moist with the following mixture:

Spirits of camphor..... 6 oz.  
Powdered alum..... 2 oz.  
Powdered sugar of lead..... 4 oz.  
Enough water to make 1 quart.

Manhattan, Kan. R. R. Dykstra.

### When Killing Prairie Dogs

How should I go about it to kill prairie dogs? What will the poison cost?  
Mankato, Kan. JOHN QUEEN.

The Kansas State Agricultural college manufactures a poison which has been very successful in killing these pests. It is sold at \$1.10 a quart, or \$2 for a half gallon. Complete directions for its use accompany each can.

This is not the best time of the year for putting out the poison, as the natural food of the dogs is so abundant that they will not eat the bait readily. It is better to use it between December 1 and April.  
Dr. R. K. Nabours.

Manhattan, Kan.

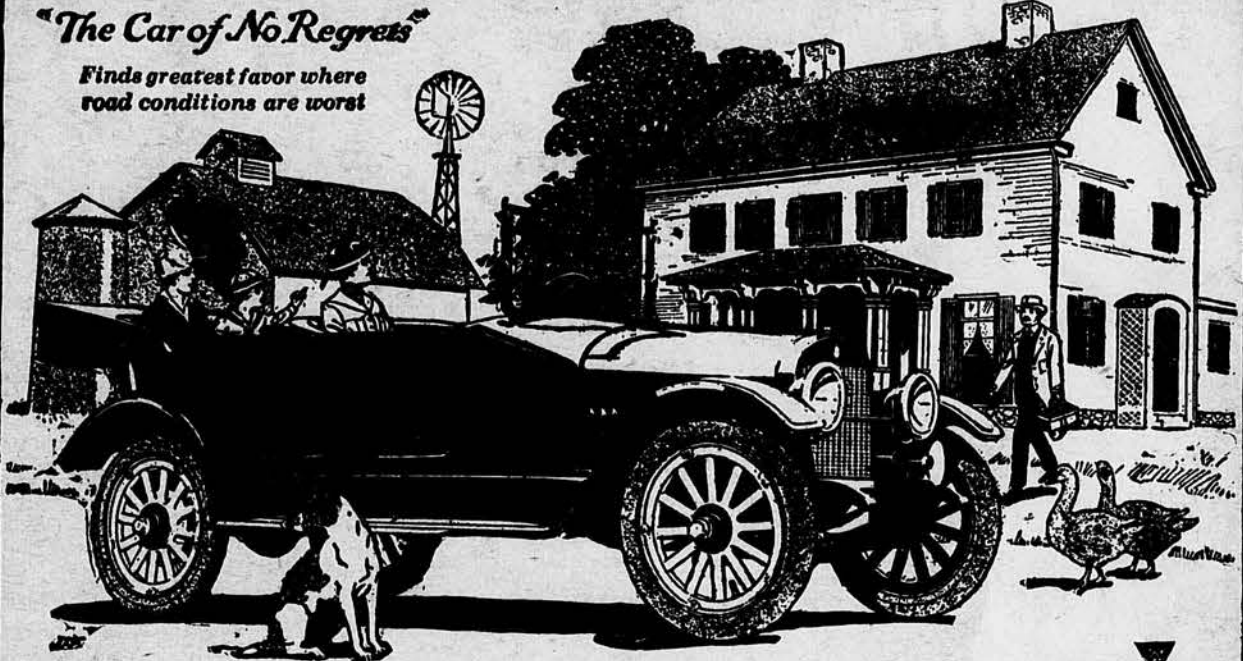
### Have You a Metal Granary?

I take much pleasure in reading opinions of subscribers on various subjects. At present I am interested in metal granaries. I should like to hear the experiences of farmers who have used metal granaries. Would farmers using same please give their advice through the columns of the Farmers Mail and Breeze?  
C. A. Batchelder.

R. 1, Dresden, Kan.

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Finds greatest favor where road conditions are worst



**EIGHT CYLINDER**  
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\$1350 COMPLETE 40-45 HORSE POWER

### Out-Performs All Other Types

The extraordinary success of this super-car can only be understood by a ride behind its engine

A believable description of the King "Eight" in action defies even "advertising" English. It is a performance that must be "felt"—and exulted in.

The superior flexibility of an "eight" is beyond argument or dispute. It is an immutable mechanical fact that an "eight" has one power impulse for every 90 degrees of crank rotation, as against the 120 degrees of a "six" and the 180 of a "four."

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40-45 horse-power, the King "Eight" gives 15 to 20 miles to a gallon of gasoline and 800 to 1000 miles to the same measure of motor oil. Thus, low operating cost is added to the car's other virtues.

The King "Eight" is not an experiment, but the same successful type of car made by celebrated European builders for the past six years. It is King designed and King manufactured and has many thousands of miles of grueling road tests behind it. Enthusiastic owners all over America, and in many countries of Europe, are making King sales by their praise of this wonderful "eight."

What you should now expect from a motor car is taught by a King "Eight" demonstration. There's a King dealer in your locality.

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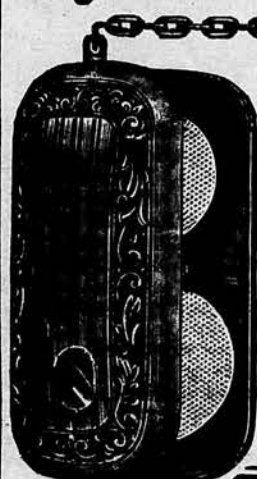
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This new style thin model coin purse is heavily silver plated and opens with push spring just like a watch case. It has a beautiful engraved design on both sides as shown in illustration. The illustration also shows the arrangement of the inside of the case. On one side are two coin departments for holding dimes and nickels. The coins are held in place by a concealed spring so that there is no danger of losing them if the case comes open. On the other side is space which can be used for postage stamps or currency. This case is 1 1/2 inches wide by 2 1/4 inches long and is fastened to a nice 4 1/2 inch silver plated chain. We guarantee that you will be more than delighted with this beautiful little purse.

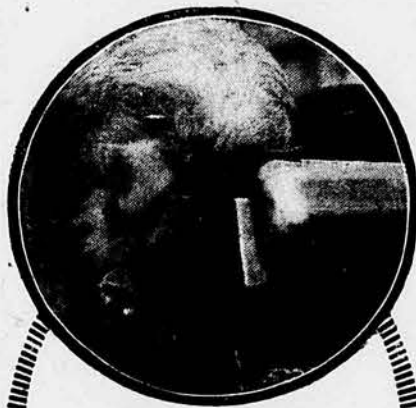
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Dept. 427 Springfield, Ill.



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Does not blister or remove the hair and horse can be worked. Pleasant to use. \$2.00 a bottle, delivered. Describe your case for special instructions and Book 5 K free. ABSORBINE, JR., antiseptic liniment for mankind reduces Strains, Painful, Knotted, Swollen Veins, Milk Leg, Gout. Concentrated—only a few drops required at an application. Price \$1 per bottle at dealers or delivered. W.F. YOUNG, P. D. F., 208 Temple St., Springfield, Mass.

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1 or 2 feet of spoiled hay on the top of your stack is good money wasted.

#### Freeland's Automatic Metal Stack Cover

Is easy to handle, lasts a lifetime, protects the stack like a barn. Ask for free circular and factory to user prices. Automatic Stack Cover Co. Blockton, Iowa



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Hams tugs, 1 1/2 in. with three loops and patent buckle. Traces 2 1/2 in. solid single ply, with cockeyes. THE FRED MUELLER SADDLE & HARNESS CO. 1413-15-17-19 Larimer St., Denver, Colo.

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THE AMERICAN WELL WORKS General Office & Works: Dept. 18, Aurora, Ill. Chicago Office: First National Bank Building.

## Hens Still Earn a Profit

Layers at Panama-Pacific Exposition Made Excellent Records in First Six Months of Their Test

"CAN a man make a living from poultry?" "Isn't chicken raising a losing game?" These and, similar questions are asked by business men and prospective poultrymen in all parts of America.

In the first place, a true poultryman dislikes to hear the business of poultry raising called a "game." It is a business, a big business, in every sense of the word and statistics compiled by the Department of Agriculture leave no doubt about the important position which poultry products occupy in the commerce of our nation. It is not a "game" any more than any other business or branch of agriculture is a game. There are many failures in all lines of business. There are many failures in the poultry business, and always will be, but there is always a reason. Some of these causes are avoidable and others unavoidable. It is usually the fault of the man or conditions and is not the fault of the business itself.

#### Living for Hundreds.

There are many districts where hundreds of people are making a living exclusively from the production of poultry and eggs. Especially is this true of the Petaluma and Hayward districts in California. There are men and women who have only two to five acres on which they keep from 1,000 to 3,000 hens. Many of these people have bought and gradually improved their land, built comfortable homes, and accumulated some surplus cash, absolutely and solely from the sale of poultry and eggs. They devote all their time to their poultry, and they purchase all their feed.

In the Hayward district they organized a poultry producers' association, a co-operative organization. They built one warehouse in which and through which to transact their business. They buy their feed and supplies in car lots. By purchasing fencing material, incubators, equipment, baby chicks, feed or other supplies in large quantities they can save freight and express and obtain the lowest prices. By selling their products co-operatively through their manager, they are able to supply a uniform product of high grade and command the best prices. So successful has been their venture that the Hayward Producers' association has just erected another large warehouse. The organization is beneficial to its members and is in a thrifty condition. It has a membership of 200 to 300.

The fact that 2,000 or 3,000 hens can be kept on from two to five acres and that all the feed can be purchased and a family make a living from hens kept in this way is contrary to all teaching. We do not recommend for all sections such intensive methods. Conditions, soils, climate, and markets vary and the successful poultryman is one who has gumption or common sense enough to vary his methods to suit varying conditions. We simply mention these facts, not for the purpose of urging others to attempt to raise poultry on such intensive methods, but to show that poultry and eggs can be produced at a profit and that the business is profitable if sensibly handled even under conditions which are not generally regarded as the best for sections which are not so fortunate in some respects as California.

Owing to conditions which could not be avoided, the hens in the Panama-Pacific International Exposition egg-laying contest have not done quite as well as had been hoped, yet poultrymen everywhere should appreciate the fact that the livestock department of this exposition has duly recognized the poultry industry and has been willing to maintain a permanent exhibit of poultry throughout the year so that the hundreds of thousands of visitors can see fowls of different varieties as well as other exhibits. Thousands view the hens in the contest and in the sales department, and we hear of many who go to the trouble of inquiring especially for the poultry building.

The contest began November 15, 1914, and the 10 highest pen records for the first six months are as follows:

Pen No.	No. eggs
25 White Wyandottes	773
15 S. C. White Leghorns	768
16 Oregons	712

112 S. C. White Leghorns	703
13 Barred Plymouth Rocks	694
30 S. C. White Leghorns	681
32 White Wyandottes	667
3 White Wyandottes	633
45 S. C. White Leghorns	620
9 S. C. White Leghorns	589

The 10 pens of 10 hens each which made the highest record for the last 30 days, are as follows:

Pen No.	No. eggs
15 S. C. White Leghorns	208
16 Oregons	188
112 S. C. White Leghorns	181
30 S. C. White Leghorns	176
31 S. C. Rhode Island Reds	174
20 Barred Plymouth Rocks	173
44 S. C. Buff Leghorns	169
45 S. C. White Leghorns	168
13 Barred Plymouth Rocks	167
25 White Wyandottes	166

The 10 highest hens for the first six months of the contest are as follows:

Pen No.	Hen No.	No. eggs
1 S. C. Black Minorcas	4371	95
2 White Wyandottes	5501	90
15 S. C. White Leghorns	4552	105
15 S. C. White Leghorns	4578	95
16 Oregons	5637	107
16 Oregons	5640	107
20 Barred Plymouth Rocks	5644	96
25 White Wyandottes	5558	93
35 S. C. White Leghorns	4447	111
112 S. C. White Leghorns	5726	96

#### Chicks That Sit Down to Eat

Can you tell me what is the matter with my chickens? They seem to be too weak to stand. With the exception of this weakness, they seem perfectly healthy.

Yates Center, Kan. MRS. O. R. P.

The term "leg weakness" sometimes is used by poultrymen to indicate the lameness due to rheumatism in adult birds. The more usual use of the term is to denote a disease or ailment which is found in growing chicks, from 1 month to 6 months of age. It is said to be more common among cockerels than pullets, and is more frequent in the heavier than the lighter breeds, according to Pearl, Surface and Curtis in Poultry Diseases and their Treatment.

The chief cause of the trouble seems to be that the weight of birds, growing rapidly and fed heavily, sometimes increases faster than the strength. This results in a weak-kneed, wobbling bird. The disease sometimes is ascribed to other causes, such as overcrowding, unventilated quarters, and overheating. Salmon says that it may develop in young chickens kept in brooders in which the heat is not properly distributed, where there is too much bottom heat, and also in those brooders where the chickens are kept constantly on wooden floors. In speaking of these cases, Robinson says that where such conditions are present the leg weakness often is an accompaniment of diseases that plainly show other symptoms.

The symptoms are indicated in the name of the disease. It first appears as an unsteadiness in the walk. This may become worse gradually until the bird is unable to stand alone and constantly is tumbling over. The bird may be discovered sitting while eating, and it is inclined to make little attempt to walk. When the trouble first appears there is little else wrong with the chicken. The eyes and comb are bright and healthy, and the appetite is good. A little later, however, being weaker than the others, it gets less grain and becomes thin, feathers out poorly, and is a distressful appearing object. It is said that rheumatism can be distinguished from leg weakness by the fact that the joints are swollen in the case of the former disease.

The treatment for leg weakness consists chiefly in removing the cause. Since the most common cause is overfeeding with fat producing foods, the amount of these should be reduced. The weak birds should be removed to a pen by themselves. Substitute bran, wheat and oatmeal for the corn and cornmeal. Give skim milk, if possible, instead of water. Feed plenty of green food. This is one of the most important measures. Sanborn recommends rubbing the legs with tincture of arnica, and adding 1/2 teaspoonful of tincture of nux vomica to every quart of drinking water.

#### No Doubt of It.

One of the big railroad lines has a regular form for reporting accidents to animals on its line. Recently a cow was killed and the track foreman drew up the report. In answer to the question, "Disposition of carcass?" he wrote: "Kind and gentle."—De Laval Monthly.



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### What Is Churning, and Why

BY WILLIAM L. CLEVINGER.

Churning is the process by which cream is agitated so that great concussion is brought about, causing the fat globules to unite or coalesce and form granules. Any churn that gives great uniform agitation of the cream, thus causing an exhaustive churning, is desirable. This is well illustrated in the barrel churn, where the cream is uniformly agitated, because the whole of it drops first to one end and then to the other.

The principal of churning is the same no matter what kind of a contrivance is used. The length of time it takes to churn depends upon the condition of the cream and the amount of agitation. Cream usually can be churned more quickly with an eggbeater than if placed in a half gallon Mason jar filled only one-third full, and shaken back and forth. The latter gives a more uniform agitation, however, and leaves less butter in the buttermilk.

The higher the temperature, the quicker the fats will unite with the same agitation. Cream held at a temperature below 60 degrees for a few hours before it is churned, always will be somewhat granular, and the butter will come more or less firm. To control the composition of butter a reasonably low churning temperature is required. To obtain the best results where any quantity of butter is made churning should require 20 to 30 minutes at least, but not more than an hour.

Sweet cream will churn, but not so quickly nor so exhaustively as sour cream. It must be churned at a lower temperature to prevent too great a loss of butterfat in the buttermilk. When cream is in proper condition for churning it should have a mild, slightly acid taste, should be of a thick consistency, and should have a glistening appearance. If an acid test is available, between 4-10 and 5-10 per cent of acid is best, although a little higher may not be objectionable. Milk curdles when between 5-10 to 7-10 of 1 per cent of acid is developed.

If too much cream is put into the churn it will leave less space for the cream to drop, and the churning will take longer since agitation of the cream is lessened. The speed of the churn, regardless of the type, should be at a rate that will give the cream the greatest concussion.

The cream from certain cows differs more than does a mixture from a herd or several herds. The cream from a fresh cow churns more readily than it will after she has advanced in the period of lactation, because the fat globules are larger and usually are softer. They have less surface in proportion to their volume, therefore there is less friction and greater agitation.

Succulent feeds, such as grass and silage, make softer fats than do dry feeds such as bran and cottonseed meal. These softer fats unite at a lower temperature with the same agitation. It is because the fats are softer that the butter comes more quickly in summer than in winter. A Jersey or Guernsey cow gives larger globules than a Holstein or Ayrshire. If the milk from different breeds is mixed, a lower churning temperature is necessary to get an exhaustive churning than if the milk from each is churned separately. The object of the lower temperature is to prevent the large globules from over-churning before the small ones gather in large enough granules to be strained from the buttermilk.

### Raising Cattle Paid

Some men who fed cattle last winter did not lose money, says the Daily Drovers' Telegram. While N. E. Stafford of Republic county, Kansas, does not claim that cattle feeding this winter paid a large dividend, his steers returned a profit. But Mr. Stafford did not start in last fall with feeders he had bought at a high price, nor did he feed them on high priced feeds which were shipped in.

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## Wheat Harvest Starts Soon

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A HOPEFUL outlook is taken by the crop correspondents in most counties this week, although it is admitted that wet weather has delayed the farming in many sections. Crops are somewhat behind in many parts of Kansas, but they are much advanced in Oklahoma; in Cotton county the corn is in tassel. The wheat harvest will start soon in southern Kansas, with fair yields except on the fields damaged by Hessian fly.

### KANSAS.

**Lane County**—Plenty of rain. Some listing being done over. Most of the alfalfa is up but most of it got wet. Some damage done by hail. Some land changing hands. Eggs 12c; butterfat 22c; hens 10c.—F. W. Perigo, June 11.

**Kearny County**—More rain than for years. First crop of alfalfa about half in the stack. It is a heavy crop. Good prospects for wheat, oats and barley. All other crops late and had to be replanted. All stock doing well on pasture.—A. M. Long, June 12.

**Decatur County**—Plenty of rain. Wheat is heading well and will be ready to harvest by July 1. Corn and feed growing slowly as it is too cold and wet. The big drop in the price of wheat has made the farmers begin to sell it.—G. A. Jern, June 12.

**Labette County**—We are still having a great deal of rain and it is hard to do any farming. Wheat damaged some by fly and wet weather. Oats look good except on very wet ground. Corn is backward and in a good many cases weedy.—Wilbert Hart, June 12.

**Osage County**—Much corn and kafir yet to be planted and replanted. Wet weather crops good. Flat land potatoes show signs of rot. Wheat uninjured by the fly. Chinch bugs gone. Spring sown grasses good. Corn 55c; eggs 13c; cream 23c.—H. L. Ferris, June 11.

**Pawnee County**—Some red rust on the wheat. Nearly all the early planted corn has been replanted. Wheat is heading out and the crop will be light. Oats look very good. A large amount of wheat going to market at 97c; eggs 13c.—C. E. Chesterman, June 12.

**Russell County**—Nice weather for the wheat. No rain for the last week. Spring crops very late and backward. Pastures very good and stock is doing well. Harvest will not begin for at least two weeks. Wheat 98c; corn 75c; eggs 12c.—Mrs. Fred Claussen, June 12.

**Ford County**—Weather wet and warm now. Wheat has some rust and considerable blast in it. Corn is weedy. A great deal of the alfalfa is spoiled by the rain. Oats the best in years. Wheat harvest will begin about June 25. Stock healthy.—John Zurbuchen, June 12.

**Nemaha County**—Corn getting weedy and needs working but farmers cannot get in fields on account of wet weather. Ground too wet to work. Wheat harvest will begin about June 25. Alfalfa hay has been badly damaged by rains. Pig crop will be light.—C. W. Ridgway, June 12.

**Montgomery County**—The last few days have been windy with light rains the last week. Some wheat sown on stubble is damaged by the fly. Other fields look good. Harvest will begin about June 21. Farmers still plowing to plant crops of some kind.—J. W. Eikenberry, June 12.

**Shawnee County**—Ten inches of rain in 36 hours did a great deal of damage to wheat and corn. Damage by hail was 40 per cent on some fields. Lots of the wheat won't be cut as the water has been over it for a week. Corn making a small growth on account of cold and wet weather. All stock doing well.—J. P. Ross, June 12.

**Rooks County**—Lots of rain and feed and corn have had to be replanted. Some farmers have not been able to finish planting corn on account of the wet weather. Considerable rust is appearing on the wheat. Average wheat crop yield is estimated at 13 to 18 bushels. Cattle doing nicely. Butterfat 22c; eggs 13c; wheat \$1.20.—C. O. Thomas, June 11.

**Marion County**—Farmers busy with hauling grain. Plenty of moisture. Corn about all cultivated. Corn and oats look good. Early sown oats have headed already. Wheat has headed but much of it is falling down on account of fly damage. First cutting of alfalfa harvested and much of it spoiled by the rains. Wheat 98c; corn 68c.—Jac. H. Dyck, June 12.

**Trego County**—Weather is too cold for the corn. Wheat outlook is excellent. Pastures very good. Stock doing nicely. Farmers behind with their field work. Considerable land changing hands. A little rust in the wheat. Oats and barley prospects very good. Oats beginning to head. Harvest will not begin before July 1. Wheat \$1.05; corn 85c.—W. F. Cross, June 10.

**Johnson County**—Farmers have been unable to get into the fields for four weeks on account of heavy and continuous rains and more rain is in sight. Hundreds of acres intended for corn have not been planted yet. Corn needs sunshine and some of it was washed out. Many potatoes ruined by wet weather. Wheat, oats, and grasses look good. Grain harvest will be later than

usual. Cream 27c; eggs 14c; new potatoes 4c.—L. E. Douglas, June 12.

**McPherson County**—Not much harvesting will be done until after June 25. Alfalfa harvest has been in progress the last month and is not finished yet. It was a big crop but too much moisture delayed the work. Corn does not look very promising so far and hundreds of acres intended for corn will be prepared for wheat. A small acreage of wheat has been plowed under.—John Ostlund, Jr., June 10.

**Harper County**—Plenty of rain and ground is full of water. Harvest will begin about June 20 to 25. Wheat is from fair to good. Some reports of fly in the county. Corn very backward and kafir stand poor. About 80 per cent will be planted over. Pastures good. Stock doing very nicely. Oats promise a fair crop. Some wheat will be cut by June 18 and harvest will be in full progress by June 25.—H. E. Henderson, June 12.

**Sedgwick County**—We just had a week of good crop weather. Haying is a very slow job on account of so much rain and cloudy weather. Second crop is making a good start. Corn not worked much yet. It is from fair to good. Wheat is a little rusty but is doing very good and is heading out nicely. Oat crop good. Grass is good and cattle are fat. A large number of small chickens which are doing well.—J. K. Kelso, June 12.

**Woodson County**—Only two days of work in three weeks. Not more than 65 per cent of a crop planted yet and some of it has to be replanted. Fields are too weedy to list so they will have to be plowed. Corn is getting very weedy. Not much of it has been stirred. Some alfalfa has been cut and in the swath for 20 days and it will be too wet for some time yet to haul it out. About 60 per cent of a pig crop.—E. F. Opperman, June 11.

**Rice County**—Wheat looks very good and the prospects are for a big crop. Some fields have a little fly in them. A good many farmers are working corn and some had to replant it. It has been a bad spring to handle the first crop of alfalfa on account of so much rain. Oats look good. Pastures good and stock look well. Good horses and cows high. Harvest will be a little later than usual. Wheat \$1.05; corn 80c; eggs 13c.—Lester N. Six, June 10.

### OKLAHOMA.

**Canadian County**—Too much rain. Some army worms on the wheat. Harvest probably will start the last of next week. Wheat is well filled. Corn is being laid by. Hogs \$7.75; eggs 12c.—H. J. Earl, June 11.

**McLain County**—Cotton is up and some of it is chopped. Early corn is tasseling. Harvesting will begin next week. Wheat and oats look very good. Cattle and horses are fat as there is lots of grass.—L. G. Butler, June 11.

**Pottawatomie County**—First crop of alfalfa all up. Oats headed out and look very good. Wheat is very good. Cotton is very late. New potatoes \$1.25; eggs 20c; wheat \$1.35; oats 45c; corn 80c; alfalfa hay \$8.—L. J. Devore, June 11.

**Lincoln County**—Warm weather. Harvest has begun. Wheat and oats fair. Corn and cotton promise a good crop. Peaches and apples will make fair crops. First cutting of alfalfa damaged and second crop being cut. Pastures fair.—J. B. Pomeroy, June 12.

**Grant County**—The wind has been blowing for three days and the ground is drying nicely. Wheat is damaged 40 per cent by the rain and worms and fly. Many farmers are buying engines to put on binders. Wheat \$1. Some persons have from 3,000 to 4,000 bushels of wheat on hand yet.—A. C. Craighead, June 12.

**Beaver County**—We have more rain lately than the crops need except wheat and oats. Wheat and oats promise a good yield. Spring crops look well. Peaches, apricots, and plums will make a good yield. Wheat is going down in price. Stock of all kinds doing well. Wheat \$1.15; kafir and malze 45c; eggs 10c.—E. J. Walters, June 9.

**Pushmataha County**—Fine weather for growing crops. Corn very uneven ranging from 6 inches to shoulder high. Cotton small but the stand is good. Gardens very good. Fruit will be plentiful. Dewberries and blackberries are ripe. Some potato patches yielding large while others are drained out. Butter and eggs scarce.—K. D. Olin, June 11.

**Roger Mills County**—More rain this spring than in the last 12 years at this time of year. Wheat good on hard land but not quite so good on sandy soil. Everybody behind with their work and grass and weeds are about to take some of the crops. All the crops making slow growth, especially cotton. Harvest will begin in 10 or 12 days.—Hugh Sober, June 8.



## How the Window Is Dressed

BY C. D.

I used to wonder how merchants ever found inspiration or ideas enough to decorate their show window. Some, of course, never do fix up their windows, but these are men who have not learned how valuable the window really is. One of Topeka's store keepers told me, a few days ago, that he credited his two windows \$10 a day, and neither is more than 5 or 6 feet wide. The ever-present worry for this merchant, he said, was to get schemes or suggestions for those two windows. It kept him awake nights.

Not long ago I was admiring the window display of a dealer in motor car supplies. It was a peculiarly attractive arrangement, I thought, and my wonder grew as I contemplated the strange uses to which he had put certain accessories to catch the public's attention. An inquiry led to interesting things. I learned, for instance that the chief help in this particular line of merchandising comes from one of the big manufacturers, the Firestone Tire & Rubber Company. This house sends to dealers suggestions at regular intervals for window decorating, and with this service provides a binder in which the dealer may keep a most valuable collection of ideas. "Your window displays," say the Firestone people, "should pay your rent."

This service will save hours of the dealer's time. He will be supplied constantly with new window suggestions, a big thing for dealers, as passers-by usually judge a store by its windows. Looking for attractive window displays soon becomes a habit. The habit creates a buying impulse, which usually is followed by a positive action, and the Firestone dealer has made another sale.

## Animals Carry the Germs

The possibility that animals may become persistent carriers of disease germs is not limited to any one or any kind of disease. For example, if we take three diseases, southern cattle fever, infectious abortion of cattle, and foot-and-

mouth disease, we have one which is caused by an animal microorganism, one by a vegetable microorganism or a true bacterium, and one by an undistinguished, probably ultramicroscopic organism or a germ too small to be seen, even with the aid of the most powerful microscope. Regarding southern cattle fever, the Bureau of Animal Industry proved some years ago that recovered cattle continue to carry its specific cause in their blood for years, so that the injection of a small quantity of such blood under the skin of a susceptible animal almost invariably causes a typical attack of southern cattle fever.

Fortunately, this disease is not transmitted through contact directly from animal to animal; the only known method of transmission under natural conditions is through the agency of the cattle tick. Later the bureau demonstrated that cows affected with abortion disease, long after they have seemingly recovered and resumed the normal production of calves, continue to expel abortion bacilli with their milk. One cow now under observation has continued to discharge such bacilli with her milk without showing a symptom of disease for more than six years. And recently the claim was made by European investigators that animals recovered from foot-and-mouth disease may expel the infectious material of this serious plague as long as eight months later.

We may say that what is true of three infectious diseases, the character and specific causes of which are as dissimilar as those of the three named, must be assumed to be true of all infectious diseases until the contrary is proved; hence, that animals which have recovered from or have been exposed to infectious diseases must be regarded with suspicion. Farmers and animal husbandmen often can avoid serious trouble among their animals by making careful inquiries relative to the history of the animals they contemplate purchasing for introduction into their herds or flocks. The purchase of an animal lacking a clean bill of health from its birth until the time it is offered for sale, or of an animal from a herd or flock in

which an infectious disease is known to have occurred, should be regarded as courting trouble.

## The Jitney

Whether the jitney has come to stay is still a subject for discussion in motor-ing circles. One thing is certain however, the 5-cent auto ride has made a decided hit with the public in many American cities. Under the title "The Jitney" the following rhyme appears in the Goodyear Tire News which illustrates the popularity of these vehicles, in a rather amusing way:

The festive jitney gaily glides providing cut-rate motor rides and cheats the undertakers; while folks throw out their liver pills and dope for other bad-air ills and break the cure-all fakers. For air at thirty miles an hour forced in our lungs by engine-power beats all the blamed physicians, good ozone plus a jitney bus may make the railway magnates cuss but heals our dispositions. The family dons their opera wraps, disdains to hang on street car straps and signals for a motor, when mother goes to do her shopping street cars pass her without stopping; jitney drivers tote her. The kiddies visit movies now piled in some wheezy motor scow, their hearts aglow with pleasure, while father lights a big cigar, steps in a passing jitney car and goes to lunch at leisure. The funny papers turn their wit upon the pleasure-giving jit, to help fill up a "colyum"; but jokesters write their funny rhymes and still dig up their unspent dimes to swell the jitney's volume. The traffic cop whose stately arm once shielded passing folks from harm is driven nearly frantic and wishes with a sultry oath that jitney cars and drivers both were deep in the Atlantic. Directors of street railway lines advise the use of heavy fines and gasp in consternation when Mr. Common People seems quite satisfied with gas machines for rapid transportation. "The World Do Move" a poet said, the world has moved, the poet's dead, but let's not be surprised, if coming back when Gabriel blows, we find the world's wiped out its woes by being jitneyized.

## More About Free Fairs

The action of Shawnee county in voting a one-fourth mill tax to pay the expenses of the Kansas State Fair at Topeka this year, thus making a free fair possible, is attracting a great deal of comment. This will be the first free state fair ever held. Most of the farm papers of the United States and many of the daily papers have mentioned it, most of them favorably. All agree that the experiment will be interesting, and that it will be watched with great interest in other states. The following editorial, from a recent issue of The Farmer of St. Paul, is a fair index to the comment the papers in other states are making:

The question of free admission to state fairs has been broached frequently from the standpoint that by abolishing the admission fee the usefulness of these educational institutions could be very greatly enlarged. While the admission fee at the average state fair is very small, it is more or less of a deterrent in keeping away from the fair many persons who would otherwise attend. In view of the fact that most of these fairs are state property and maintained to a large degree by state appropriations it has been the contention that the state fair could very profitably be linked up with the other state educational agencies, the advantages of which are free and open to everyone living in the state.

In this connection we are interested in noting the fact that the Kansas State Fair association is to conduct a free state fair gate this year at Topeka. This has been made possible by raising a one-fourth mill levy in Shawnee county, Kansas, the county in which the state fair is held. This levy, which will total \$27,000, will take care of the current expenses, thus making possible the free admission. It is the purpose of the fair managers to make this fair entirely educational and the reflection of the resources of that section. The Kansas State Fair, while one of the oldest in the West, is not so pretentious a fair as some of the western fairs held in other states, as for instance, in Iowa and Minnesota. However, it will be very interesting to note what effect free admission will have on attendance and in the results attained.

State fairs have grown from wandering expositions, of chief interest for their questionable amusements, into enormous expositions with permanent homes and equipment that represent an investment of millions of dollars. These fairs have gradually improved each year. By abolishing admission fees and placing these institutions under the wing of the educational system of the state and by being maintained purely for the idea of promoting state developments along all lines, we can see how continued improvement could be accomplished. The Kansas experiment should provide some information on this point.

## THE CREDIT SYSTEM THE FARMERS OF KANSAS HAVE BEEN WAITING FOR

**LOANS  
ON  
KANSAS  
FARMS  
AT 5%  
OR LESS**

# THE KANSAS RURAL CREDIT ASSOCIATION

**A Co-operative Organization of Kansas Farmers For Mutual Financial Benefit**

The Kansas Rural Credit Association, Chartered by the State of Kansas and under the supervision of the State Bank Commissioner, is organized to provide the farmers of the state with a credit system that meets their needs.

The Kansas Rural Credit Association is based directly on the recommendations of the National Commission, which studied rural credits as established in the European countries, to determine the best means of providing the farmers of this country with the form of credit enjoyed by the farmers abroad.

The National Commission, in its report to congress, urged that Rural Credit Associations be formed in each state. By organizing The Kansas Rural Credit Association, Kansas takes the lead and is the first state—as usual—in a great national movement.

**MANAGEMENT AND ADMINISTRATION.**—The Association will be governed by a Board of Directors of not less than Fifteen, chosen from among its membership. This Board will meet in Emporia, which will be the Association's home, and elect officers to carry on the business of the Association.

**A LIMITED MEMBERSHIP.**—One canvas of the state will be made for members. The books will be closed. As only a limited number of farmers in each county can join, you should act quickly.

**MONEY LOANED AT 5 PER CENT.**—Loans will be made only to the members of the Association for periods of from 5 to 35 years, at 5 per cent interest, and only for the purpose of buying or improving farm lands or farm homes, or to pay off existing loans.

**COLLECTIVE SECURITY.**—The principle behind all Rural Credit Systems of Europe is the issuing of bonds on the collective security of many mortgages. Farmers form an association and borrow money collectively at a lower rate of interest and for longer periods of time, than they can borrow it individually. It is on this principle that the Kansas Rural Credit Association is founded.

**LOANS REPAYED BY AMORTIZATION.**—Amortization means the payment of a part of the principal at each paying period, by which plan a small annual payment pays both interest and principal in a given number of years.

**INDIVIDUAL LIABILITY.**—No shareholder will be liable beyond the amount of his loan. Each farm will be liable only for the individual loan it secures. Shareholders are not subject to double liability. The shares of the Association are fully paid and non-assessable.

**THE ASSOCIATION IS CO-OPERATIVE.**—No one member will be sold more than one per cent of the capital. Each member has but ONE VOTE, no matter how many shares he may hold.

**THE SHARES AS AN INVESTMENT.**—The Association collects one per cent on its loans for expenses. As it is permitted to make loans equal to 15 times its capital and surplus, the earning power from that source is 15 per cent. Added to this is the interest earned from the invested capital. After all charges are paid a good dividend should be returned on the shares each year.

## These Members Have Already Been Elected to the Board of Directors

W. M. PRICE - - - EMPORIA  
State Senator and President Lyon  
County State Bank.  
CHARLES F. SCOTT - - - IOLA  
Editor and Owner Iola Daily Regis-  
ter; Former Member of Congress.  
T. A. McNEAL - - - TOPEKA  
Editor Farmers Mail and Breeze.  
H. S. MORGAN - - - TOPEKA  
M. McAULIFFE - - - SALINA  
Farmer; President Kansas Divi-  
sion Farmers' Educational and Co-  
operative Union of America; Editor  
Farmers' Union.  
L. W. MOODY - - - EMPORIA  
J. M. DAVIS - - - BLUE MOUND  
Farmer; State Senator; President  
Farmers' State Bank, Blue Mound.

**MAIL THE COUPON TODAY**

**The Kansas Rural Credit Association**

**A Representative Wanted in  
Every County in Kansas.**

**Dept. F. Emporia, Kansas**

**THE KANSAS RURAL CREDIT ASSOCIATION,  
Department F, Emporia, Kansas.**

Without obligating me in any way please send me your sixteen-page booklet which explains, in detail, the plan of The Kansas Rural Credit Association and tells how I can become a member and enjoy the benefits of this Co-operative organization of Kansas farmers.

Name .....

Address .....



# FARMERS CLASSIFIED ADVERTISEMENTS

Farmers Mail and Breeze is the greatest classified advertising medium in the farm paper field. It carries the most classified results. The rate is low: 5 cents a word; four or more insertions 4 1/2 cents a word. Here is a splendid opportunity for selling every stock, for renting a farm, or securing help or a situation. Write us for proof that it pays. Everybody reads these little ads.

advertising because it gives the best poultry, livestock, land, seeds and nursery a classified advertisement now.

## POULTRY

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

### PLYMOUTH ROCKS.

**BUFF ROCKS**—WILLIAM A. HESS, Humboldt, Kan.

**BIG TYPE BLUE BARRED ROCKS, EGGS** 100 \$5.00 this month. Mrs. T. B. Mitchell, McPherson, Kan.

**REDUCTION ON BUFF ROCK EGGS.** Price \$3.00 per hundred. Mrs. Homer Davis, Walton, Kan.

**FINE BARRED ROCK EGGS FOR HATCHING.** \$1.00 per 15, \$4.00 per 100. Wm. C. Mueller, Hanover, Kan., R. 4.

**WHITE PLYMOUTH ROCKS ONLY FOR 18 years.** \$1.00 for 15, \$4.00 for 100 eggs. Josias Lambert, Smith Center, Kan.

**BARRED ROCKS, 68 PREMIUMS, EGGS** \$1.00 and \$2.00 for 15. Breeders sale. Mattie A. Gillespie, Clay Center, Kan.

**DUFF'S MAMMOTH BARRED ROCKS.** Young and old stock ready to ship now. Half price. A. H. Duff, Larned, Kansas.

**RINGLET BARRED ROCK PRIZE WINNERS.** Eggs prices cut in half for balance of season. Write for mating list. M. P. Thielen, Barred Rock Fancier, Lucas, Kan.

### RHODE ISLAND REDS.

**ROSE COMB RHODE ISLAND REDS EXCLUSIVELY.** Six grand pens mated to roosters costing from \$15.00 to \$40.00. Eggs at sacrifice prices after May 10. 15 eggs \$1.25; 30 eggs \$2.00; 50 eggs \$3.00. Order from this ad or send for catalog. Splendid range flock \$3.00 per 100 eggs. W. R. Huston, Americus, Kansas.

### LEGHORNS.

**SINGLE COMB WHITE LEGHORN EGGS** \$3.50 per 100. Wyckoff-Yesterland strains. High scoring stock. Harry Givens, Madison, Kan.

**EGGS, S. C. BROWN LEGHORN, WON** first on cockered, pullet and pen, \$2.00 per 15, \$5.00 per 100. H. N. Holdeman, Meade, Kan.

### WYANDOTTES.

**ROSE COMB WHITE WYANDOTTE HENS** \$1.00 each, 15 eggs \$1.00, 30 \$1.50, 50 \$2.00, 100 \$4.00. Garland Johnson, Mound City, Kan.

**WHITE WYANDOTTE EGGS AND COCKERS** from prize winning stock. Eggs, 15 for \$1.00, 50 for \$3.00, 100 for \$5.50. We guarantee nine chicks per setting or duplicate at half price. Cockers \$2.00, 3 for \$5.00. G. A. Wiebe, Beatrice, Nebraska.

### TURKEYS.

**BOURBON RED TURKEY EGGS 25 CTS.** each. Mrs. Geo. W. King, Solomon, Kan.

### ORPINGTONS.

**BUFF ORPINGTONS, SPLENDID LAYERS** and prize winners. Can please you. Catalog ready. August Petersen, R. 2, Churdan, Iowa.

### MINORCAS.

**S. C. BLACK MINORCAS WITH SIZE AND** quality. Eggs for hatching, 15 for \$1.50, \$5.00 one hundred. W. F. Fulton, Waterville, Kan.

### BRAHMAS.

**SETTING SEASON OVER. I WANT TO** start you in the Light Brahma business with my fine \$3 and \$5 hens at \$1 each and eggs at \$1 for 100. Mrs. J. R. Kenworthy, Wichita, Kansas.

### LANGSHANS.

**BLACK LANGSHAN EGGS, UNDER 50** cts.; over, 7 cts. Baby chicks 15 cts. Mrs. Geo. W. King, Solomon, Kan.

**BLACK LANGSHAN EGGS, FROM MY** best pens and yard, at 1/2 price, \$1.50 and \$3.00. J. A. Lovette, Poultry Judge, Mullinville, Kan.

### SEVERAL VARIETIES.

**BARRED ROCKS, BROWN LEGHORNS** and Silver Laced Wyandottes, 30 eggs \$1.25. Booklet free. Sunnyside Poultry Farm, Owensville, Box B, Mo.

**EGGS FROM OUR FAMOUS, HIGH SCORING,** egg-producing, prize winning flocks. All popular breeds chickens, ducks, geese, and turkeys. Farm ranged; at farmer's prices; prepaid to any address in the U. S. by insured parcel post. Save money. Write for prices. Trap nest for 75c. Norfolk Breeders' Co-operative Assn., Norfolk, Neb.

### BABY CHICKS.

**BABY CHICKS FROM WHITE ORPINGTONS** that are worth the price. Sharp, Iola, Kan.

**BABY CHICKS: PURE BRED ROSE COMB** Rhode Island Reds. I can supply you with from 600 to 700 in June, 2,650 shipped this spring. Price 10 cents each. Mrs. Chas. Hill, Toronto, Kan.

## DUCKS.

**INDIAN RUNNERS, SILVER CUP WINNERS.** Burt White, Burlingame, Kan.

**FAWN AND WHITE RUNNER EGGS.** Dollar per fifteen. Elsie Hummer, Earleton, Kansas.

## LIVE STOCK

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

**RED POLLED BULLS AND COWS, D. F.** Van Buskirk, Blue Mound, Kan.

**STANDARD BRED STALLIONS FOR SALE** right. D. H. Bibens, Larned, Kan.

**FOUR SHETLAND PONY MARES, BROKEN** to ride. John B. Greer, Marion, Kansas.

**ABERDEEN ANGUS BULLS, TRAIN COL-** lies. Jno. Marriage, Mullinville, Kansas.

**REGISTERED HAMPSHIRE PIGS FOR** sale. Write or call for prices. B. F. Fleischer, Hoyt, Kan.

**PEDIGREED MULEFOOTS, BOTH SEXES.** History free to those interested. Sinn's Mulefoot Ranch, Alexandria, Neb.

**HIGH GRADE HOLSTEIN CALVES,** either sex, 3-4 weeks old. \$17 each, crated. Burr Oak Farm, Whitewater, Wis.

**REGISTERED HOLSTEINS FOR SALE—** 1 two-year and 1 four-year-old bull, 1 fine young cow. Good milk and butter stock. Priced low for quick sale. E. R. Ridgely, Mulberry, Kan.

**GUERNSEY BULL—EXCEPTIONALLY** well marked and fine individual, six months old. Combines blood of Jethro Bass and Pat of Haddon. Address Daniel Bon-touou, Gashland, Mo.

**HIGH GRADE CALVES FOR SALE:** Shorthorn, Holstein, Guernsey, Hereford, or Aberdeen-Angus. Prices \$12.00 to \$25.00; each crated to express. Delivery cost moderate. Rates furnished, and full information. Start a herd. Mention this paper, and breed preferred. Paul Johnson, South St. Paul, Minn.

## SEEDS AND NURSERIES

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**SPANISH PEANUTS, \$1.00 FOR 30 LBS.** John W. Burkes, Aline, Okla.

**WHIPPOORWILL COW PEAS, CLEANED,** \$2.50 per bu. Geo. S. Taylor, Tyro, Kan.

**ORANGE CANE SEED 75C BU. ON TRACK.** Sacks free. Jas. Stephenson, Clements, Kan.

**A FEW HUNDRED LBS. SUDAN SEED** to close at 7 cts. in hundred lb. lots. Larger quantities cheaper. W. J. Duncan, Lubbock, Texas.

**REPLANT THAT GROUND WITH OFFI-** cially approved Sudan seed. Big crop splendid hay in two months. Wilson G. Shelley, McPherson, Kan.

**ALFALFA SEED—GOOD HOME GROWN,** non-irrigated alfalfa seed for sale as follows: \$8.00, \$5.00, \$4.00 bu. All Winona. Sacks 25c ex. All orders filled promptly. Sample sent on request. L. A. Jordan Seed Co., Winona, Kan.

**PURE SUDAN GRASS, 25C A LB. PRE-** paid to your station. Advantages of our seed: 1. Kansas grown. 2. No Johnson grass or other pests. 3. Inspected and approved by the Kansas Experiment station. 4. Not grown near other sorghums. 5. Good germination test guaranteed. W. H. Gould & Sons, Dodge City, Kan.

**PLANTS—TOMATOES, KANSAS STAND-** ard, Dwarf champion, Dwarf Stone, Tree, Beauty, Stone, Matchless, Earliana, \$1.75 thousand. All cabbage \$1.50 thousand. Peppers, 40 cents hundred. Sweet potatoes, Southern Queen, Bermuda, Early Triumph \$1.50 thousand. Yellow Jersey and Yellow Nansum, \$1.25 thousand. All plants 25c hundred. John Patzel, Route 3, Topeka, Kan.

**LATE SEASON—AFRICAN KAFIR. THIS** wet, late season has made it necessary to plant early-maturing crops. Your one best bet is the Kafir grown from that I imported from Africa last year. This matures in 75 days and also makes excellent fodder. I guarantee this was even in height and unmixed. \$1.75 per bushel, while it lasts. Write today. Asher Adams, Osage City, Kan.

## BUSINESS CHANCES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

**HAVE 160 ACRES GREER COUNTY, OK-** lahoma; also 30 lots Kansas City, clear. Want general mdse. W. D. Shore, Simpson, Kan.

**TO TRADE—ONE OF THE BEST HAR-** ness stores in western Kansas, and a fine residence, for land or stock. A. Lundy & Son, Natoma, Kan.

**FOR LEASE OR SALE—GOOD CREAM-** ery, fully equipped, cement building. This creamery is now idle. Former manager now dead. Owned by the business men of this town of 1,000 people. Best proposition in South Mo. to work up big business. Want quick action. Address G. F. Romines, Sec. Houston Creamery Co., Houston, Mo.

## FOR SALE

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

**SCOTCH COLLIES, WESTERN HOME** Kennels, St. John, Kan.

**FOR SALE—THRESHING RIG, 25 h. engine** and nearly new sep., ready to go to work. Harry Dyck, Moundridge, Kan.

**FOR SALE—ONE DEMPSTER LARGE NO.** 14 well machine; nearly new; price reasonable. E. S. Rhodes, Tampa, Kan.

**FOR SALE—MOTOR CYCLE; TWIN CYL-** inder Indian; only run about 800 miles; fully equipped. Albert Anderes, Elmo, Kan.

**FOR SALE—CHEAP—THOROUGHbred** Scotch collie pups, eligible to registry, farm raised. Belden Bros., Hartland, Kan.

**FOR SALE: A GOOD 8 ROOM MODERN** house, with small barn, in Manhattan. House has 7 closets, pantry, and bath; cistern, well, and city water. Cheap if taken soon. Also, vacant lots for sale. Inquire of Mrs. Flora M. Allen, 1452 Fairchild Ave., Manhattan, Kan.

**FOR SALE, IN MANHATTAN, KAN.,** the college town. Rooming house with all modern improvements. Finest location in the city. 26 sleeping rooms and large parlors besides the family living rooms. Completely furnished. Would consider other property in part pay if priced right. Preferably land. Address Mrs. A. A. Merrill, Park Place, Manhattan, Kan.

## FOR SALE OR TRADE

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

**FOR SALE OR TRADE—13 H. P. STEAM** engine good shape or will trade automobile for small separator. T. F. Waters, Mayetta, Kan.

**WANT CLEAR FOR EQUITY, 10 ROOM** house, barn, 8 lots in Winfield. Price \$5,000.00. Mtg. \$1,000.00. Progressive Realty Co., Winfield, Kan.

**7 AND 9 ROOM MODERN HOUSES, SIDE** by side, well located, in Topeka. Price \$14,000.00. Inc. \$5,700. Want land. James Wiltse, Seneca, Kansas.

**HOTEL FOR RENT OR TRADE; GOOD** location; electric lights; city water; beds and bedding belong to hotel; good town, population 2,200. Ad. Box 315, Seneca, Kan.

**FOR SALE OR EXCHANGE, 500 ACRES** of good timber land in Eastern Arkansas. Will trade for good wheat or alfalfa land or small ranch. Must be part alfalfa land. A. W. Smiley, Sparta, Ill.

**FOR SALE OR EXCHANGE FOR SMALL-** er farm—120 acres in Wharton county, Texas, 2 1/2 mi. from Louise, with house, barn, well and windmill. \$30 an acre. For particulars address owner, Geo. Scheuenpflug, Conger, Minn.

## LANDS

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**GRAY CO. LAND FOR SALE, \$1250 TO** \$3000. J. H. Kimes, Montezuma, Kan.

**FOR SALE—1/4 SEC. RUNNING WATER,** timber, good soil, improved. Write Box 25, Edmond, Kan.

**800 ACRES THOMAS COUNTY'S GOOD** land, \$8,000. \$5,000 down. O. M. Beauchamp, Colby, Kansas.

**FOR SALE—160 ACRES IN CHEYENNE** county, Kan., level, \$1,600, terms. Peter Meyer, Walworth, Neb.

**FOR SALE—10 SMALL, WELL IMPROVED** farms in Haskell Co., the garden spot of central west Texas. H. L. Sherrill, owner, Temple, Texas.

**SELL YOUR PROPERTY QUICKLY FOR** cash. No matter where located. Particulars free. Real Estate Salesman Co., Dept. 5, Lincoln, Neb.

**FOR RENT—HALF SECTION, TREGO** county, Kansas. For July plowing will furnish seed wheat on halves. Lou Gale, Lakeland, Florida.

**BUY MEADE CO. LAND, GOOD CHOICE** wheat land \$15 ac. up. Close to town. Come and see me before you buy. J. P. Ballard, Plains, Kan.

**EXCEPTIONAL BARGAINS IN COLORADO** land; irrigated and unirrigated. Write us. Bank references. Levan & Co., 421 Col. Bldg., Denver, Colo.

**MODERN RESIDENCE IN HUTCHINSON** for sale, \$4,000. Will trade for land near town. Will buy land if well located and priced reasonable. Percy Lill, Mt. Hope, Kan.

**SOUTHEAST OKLAHOMA WHEAT AND** oat farm for sale extra cheap direct from owner. Need money quick in other business. Half cash, balance easy. W. J. Milburn, owner, 701 Colcord Bldg., Oklahoma City, Okla.

**FREE LAND—ANOTHER DISTRIBUTION** of choice land, part of Demonstration Plantation, the show plantation of the South. Free to people having it improved within five years. Need never live on the land. Address Commissioner H. L. Holmes, Block 31, Calvert, Alabama, for particulars.

**FOR SALE—160 A. BEST PART INDIANA,** highly improved. 3 R. R. within two miles. Mrs. Will Rhoades, Converse, Indiana.

**FINE QUARTER FOR TRADE; 3 1/2** miles Cherryvale; best black land; dandy improvements. Price \$12,000, want good 80. Will carry difference back on quarter; would take merchandise for part. Bowman Realty Company, Coffeyville, Kan.

**PRODUCTIVE LANDS; CROP PAYMENT** or easy terms along the Northern Pac. Ry. in Minn., N. D., Mont., Idaho, Wash. and Ore. Free literature. Say what state interests you. L. J. Bricker, 46 Northern Pac. Ry., St. Paul, Minn.

**FINE TOPEKA HOME FOR SALE—I WILL** sell my place in Topeka, located on the most beautiful street in the city, near limits of city, two blocks from street car, two blocks from fine school, fine old shade, park like surroundings, lot 61 1/2 by 205 feet, eight room house, modern in every detail, hardwood finish, four fine mantels and grates of oak, brick and tile, big sleeping and dining porch, both screened, barn, poultry houses, etc., etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or terms. Interest only 6 per cent instead of the usual 7 per cent. No trade. Address R. W. E., care Mail and Breeze.

## FARMS WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

**I HAVE SOME CASH BUYERS FOR** salable farms and ranches, owners only, write C. C. Buckingham, Houston, Texas.

**WANTED—TO HEAR FROM OWNER OF** good farm or improved land for sale. H. L. Downing, 111 Palace Bldg., Minneapolis, Minn.

**I HAVE SOME CASH BUYERS FOR SALE-** able farms. Will deal with owners only. Give full description, location, and cash price. James P. White, New Franklin, Mo.

## HELP WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

**MEN-WOMEN WANTED. \$75.00 MONTH.** List government jobs open—free. Franklin Institute, Dept. A-51, Rochester, N. Y.

**BE A DETECTIVE. EARN \$150 TO \$300** per month; travel over the world. Write Supt. Ludwig, 401 Westover Bldg., Kansas City, Mo.

**WANTED: MAN TO SELL TREES,** shrubs, roses, vines, bulbs, etc. Permanent. Brown Brothers Nurseries, Rochester, New York.

**I CONDUCTED GOVERNMENT EXAMINA-** tions—can help you secure railway mail or other government positions. Trial examination free. Ozment, 38R, St. Louis.

**FIREMEN AND BRAKEMEN: \$100 MONTH-** ly. Experience unnecessary; hundreds needed by the best railroads everywhere. Particulars free, 796 Railway Bureau, East St. Louis, Ill.

**FARMERS WANTED—MEN AND WOMEN** everywhere. Government jobs \$70 month. Short hours. Vacations. Rapid advancement. Steady work. Many appointments during summer and fall. Common education sufficient. Write immediately for list of positions now obtainable. Franklin Institute, Dept. A. 51, Rochester, N. Y.

## MALE HELP WANTED

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**GOVERNMENT FARMERS WANTED. \$60** to \$125 monthly. Age 21 to 50. Ozment, 38F, St. Louis.

**WANTED. MEN AND WOMEN TO QUAL-** ify for government positions. Several thousand appointments to be made next few months. Full information about openings, how to prepare, etc., free. Write immediately for booklet G-68. Earl Hopkins, Washington, D. C.

## AGENTS

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**BIG PROFITS SELLING OUR HOUSE-** hold article. Valuable premium makes easy to sell. Free samples for workers. Acme Company, Sweet Springs, Mo.

**AGENTS—MAKE BIG MONEY SELLING** our washing machines. Experience not necessary. Complete, durable, easily operated shows for itself. Write today. Ray Mfg. Co., Sterling, Kan.

**AGENTS WANTED—EITHER SEX—MAKE** quick money and become sales manager for big substantial company; wonderful new invention; cuts high cost of living; 100% profit; fast home seller. Culinary Utilities Dept., Desk 309, 111 Broadway, New York.

**AGENTS—SNAPPIEST HOUSEHOLD LINE** on earth. Red hot sellers, steady repeat-ers—100% profit. 250 light weight, fast selling, popular priced necessities. Agent's outfit free. Get busy—Quick—Write today—postal will do. American Products Co., 605 American Bldg., Cincinnati, O.



**SILO AGENTS WANTED**

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

OPEN TERRITORY FOR TABER LINED Silo, the only non-shrinkable wood silo manufactured. Address Taber Lumber Co., Dept. I, Keokuk, Ia.

**CREAM WANTED**

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CREAM WANTED—THE INDEPENDENT Creamery Company of Council Grove, Kansas, buys direct from the farmer. Write for particulars.

**LUMBER**

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1915—LUMBER! BUY IT RIGHT! WE'LL save you big money. Farmer's trade a specialty. The mill direct to you. Think of it. No. 1 dimension \$10 plus freight. We require no payment until material is unloaded and proven satisfactory. Send bill now, for estimate. Local Lumber Company, Tacoma, Washington.

**BEES AND HONEY**

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

SPECIAL PRICE LIST PURE CALIF. honey free. Produced by one of our Calif. apiaries. Explains grades, sized packages, prepaid prices. Inspection allowed before payment. Sample for dime to pay postage. Spencer Apiaries, Dept. D, St. Louis, Mo.

**MUSIC**

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GET THE LATEST SONGS SIX MONTHS before they reach your city. Send twenty-five cents for three new songs and catalogue. We furnish any music published. Song poems wanted also. Etna Sales Co., 1431 Broadway, New York City.

**PATENTS**

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

SEND FOR FREE BOOKLET, ALL ABOUT Patents and Their Cost. Shepherd & Campbell, Patent Attorneys, 500 C Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT. CAREFUL honest work in every case. Your ideas may bring you wealth. 64-page book free. Estab. 1880. Address Fitzgerald & Co., 816 F St., Washington, D. C.

PATENTS THAT PROTECT. CAREFUL honest work in every case. Your ideas may bring you wealth. 64-page book free. Estab. 1880. Address Fitzgerald & Co., 816 F St., Washington, D. C.

MEN OF IDEAS AND INVENTIVE ABILITY should write for new "List of Needed Inventions," Patent Buyers, and "How to Get Your Patent and Your Money." Advice free. Randolph & Co., Patent Attorneys, Dept. 25, Washington, D. C.

**FARM MACHINERY**

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

SMALL POWER THRESHERS FOR GRAIN, maize, peanuts, peas, etc. Hand and Pony hay presses. Particulars free. W. H. Stoppel, Dallas, Texas.

**MISCELLANEOUS**

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

WANTED: DEERE OR EMERSON TEN foot double disc harrow. Howell Bros., Gaylord, Kan.

HARNESS AND SADDLES—WRITE TO Inskeep & Schaubel, Manhattan, Kansas, for their new illustrated catalogue.

WANTED TO RUN ENGINE OR SEPARATOR; machinist; 9 yrs. field experience. M. L. MacPherson, Route 3, Carthage, Mo.

SAVE YOUR ALFALFA, USE OUR CANVAS stack covers, cheap, durable and quickly adjusted. J. B. Lynn & Son, Winfield, Kan.

MAKE A LIVING IN YOUR BACK YARD raising Belgian hares. Interesting literature and price list free. W. G. Thorson, Aurora, Colo.

WANTED — GOOD THRIFTY SHOATS. Well marked Holstein heifers and good quality stock calves. Write Fred P. Hill, Route 7, Topeka, Kan.

FOR SALE—WHITE FLAME LAMP BURNERS. Fit any No. 2 lamp. Doubles the light and consumes less oil. No smoky chimneys. Single burner 35c. Arthur F. Thompson, Dist. Mgr., Moran, Kan.

THE NICHOLAS-DERRINGTON CARBON remover gives your engine more power and speed. Increases mileage forty per cent. Guaranteed to do more than claimed for. Write for particulars. Nicholas-Derrington, Box 185, Topeka, Kan.

BIG WESTERN WEEKLY SIX MONTHS 10 cents. Biggest and best general home and news weekly published in the West. Interesting and instructive departments for young and old. Special offer, six months' trial subscription—twenty-six big issues—10 cents. Address Capper's Weekly, Dept. W. A-12, Topeka, Kan.

**Wheat Acreage in 1915**

BY CHARLES M. DAUGHERTY.

Rapidly advancing prices, excited markets, and enormous transactions in wheat have occurred during the past seven months in most countries. Vague apprehensions of the eventual exhaustion of supplies in others, and a subconscious realization of the calamitous consequences that might result from any material shortage in the world crop in 1915 have, with other causes, given great impetus to an almost universal movement to expand the acreage seeded for the approaching harvest. The effects of that impetus are now to some extent apparent.

Sowings of winter wheat in the Northern Hemisphere have, in so far as known, been pretty generally on an extensive scale, excepting in some of the European countries involved in war. In the United States, British India, and Canada the area sown last autumn was increased by about 8 1/2 million acres over that of the year before; there was also some expansion in the neutral countries of southwestern Europe; but to what extent these increases may have been counteracted, or annulled, by the contraction of autumn seedings in northern and eastern Europe, due to the scarcity of rural labor and animal power and to the occupation of farm land by military forces, is not yet determinable.

The aggregate acreage ordinarily sown to winter wheat in the contending countries of Europe is about 55 million acres. A reduction in that acreage of 15 per cent would be necessary to offset the 8 1/2 million acres increase in the aggregate sowings of the three exporting countries mentioned above. That there has been a reduction is generally admitted. Doubt arises only as to its extent. The area under wheat in the British Isles is officially estimated as larger than in 1914; the Russian acreage is a little less extensive than last year. Belgium is not an important wheat producer and Germany's acreage, usually only about 5 million acres, is, it is said, a large one.

It is therefore apparent that whatever contraction there may have been in the winter-wheat acreage of the countries at war has occurred for the most part in France, Austria-Hungary, and Serbia. Their aggregate winter-wheat area in time of peace is normally about 20 million acres.

In view of these and other facts, it seems logical that, weather and labor conditions favoring, there would be a heavy extension this season in the sowing of spring wheat. Of the approximately 240 million acres of wheat in the world, between 85 million and 90 million are of this variety.

**Wheat in Nemaha**

The farmer who stands behind the wheat shocks in this picture is proud of his product. His name is M. F. Crosson and he tills the stubborn glebe near Seneca, which as all the world knows, is in Nemaha county. Mr. Crosson had 100 acres of fine wheat last year, and he has that much this year, or at least he hopes to have it; you never can tell. The chief point in this instance lies in the fact that there is a live interest for everyone in the picture of a man and his product—the man behind the shock. We wish more farmers would send in such pictures as this from a friend of the Crosson family. The best picture a man ever will get is the picture showing him in his every day clothes, doing the natural things he is supposed to do.



M. F. Crosson.

**Grasshoppers**

I should like to ask how to destroy grasshoppers. L. E. W. Belleville, Kan.

See the Farmers Mail and Breeze for May 29, page 2.

Food left on the teeth ferments and causes decay.

**CASE Fire Proof Threshers**

CASE Fire Proof Threshing Machines form one of the corner-stones of CASE fame. Made almost entirely of steel, they withstand years of wear and exposure. Fire, too, can't hurt them. Do you realize the tremendous value this is to you? Millions of dollars have gone up in smoke in wooden machines.

Then, CASE Threshing Machines with attachments will thresh any grain or seed known. And thresh it fast and clean. There are a "hundred and one" reasons why you should buy a CASE for your profit and protection.

**Leaders Since '42**

For 72 years CASE Threshers have held acknowledged leadership. They will handle heavier and damper grain than other machines. Wearing parts are all accessible. Hard-oil compression cups permit lubrication while machine is running.

Fewer and better-made parts mean less repairs.

May we send you "Facts from the Field," just out? It tells the experiences of those who know CASE machinery because they are using it. And our catalog, too?

**Write**

for 1915 Threshing Machine Book describing our complete line of Threshers, Tractors, Power Gang-Plows, Hay Presses, Road Machinery and CASE Automobiles. (298)

J. I. Case Threshing Machine Co., Inc. 505 Olive Street, Racine, Wis.

**You Need Our Big, New Catalog—Before You Decide**

Don't fail to send your name for your copy now. Read letters from our graduates and leading business men and court reporters. We have not been able to fill the demand from employers for our graduates. Our practical courses fit you for a good salary, and put you in large business concerns where chances to advance are best. Experienced teachers only. Courses in stenography, bookkeeping, banking, civil service, stenography, telegraphy, penmanship, English—Success, Gregg and Pitman Short-hand taught. Write for FREE CATALOG to

C. T. SMITH, Principal, Y. W. C. A. Building 1030 McGee St. Kansas City, Mo.

When writing to advertisers please mention the Farmers Mail and Breeze.

**Solve This Puzzle and Win a Prize**

Here are seven sheep in a pen. By drawing three straight lines you can put each one in a pen by himself. If you can do this we will send you as a prize, a packet of five beautifully embossed postcards lithographed in rich colors, and also a certificate of entry in our grand contest for a Ford Automobile. All you have to do is to enclose a two cent stamp in your letter to pay postage and cost of mailing.

**Ford Auto Given Away**

Remember the Ford will absolutely be given away at the close of the grand contest. In case of a tie a Ford will be given to each person so tied. Send at once so you can be entered in this great contest. Full particulars by return mail.

PEOPLE'S CO., 503 Popular Bldg., Des Moines, Iowa

**SUCCESS MIXER \$37.50**

SAVES LABOR A batch mixer that is all its name implies—SAVES TIME A SUCCESS

Simple in construction—easy to operate. WILL SAVE ITS COST IN 5 DAYS

Holds 9 cu. ft. and requires 2 horse power engine to operate. Mixes QUICKLY and PERFECTLY. Built strong and durable, weighs 400 pounds.

Satisfaction Guaranteed. Order a SUCCESS today. Catalog free.

SAVES MATERIAL SUCCESS MFG. CO. DEPT. M Cedar Rapids, Iowa SAVES MONEY

**Prices Now Less Than Wholesale**

\$17.95 Increased output, reduced cost, one small profit, makes lowest prices possible.

For 1-3 H.P. Galloway Mfg. Co. Other sizes in proportion. Guaranteed 6 H.P. Massey-Harris, engine, 12 inch world in material, construction, low price. Shipped from Kansas City Co. Bufile, 1014. Chicago, Water-loo. Catalog free. Wm. Galloway Company Box 45 Waterloo, Iowa J-4

**Good Bye Mr. Louse!**

No more dipping or spraying. Keep your herd healthy and free from vermin and parasites with a National Automatic HOG OILER. Works like magic. Strong, durable and simple. Can't get out of order. Price only \$1.50. Thirty days' trial. Satisfaction or money back. If your dealer will not supply you do not accept a substitute but write to National Factories, Inc. Dept. 1-1, Richmond, Ind.

**THIS BIG, 3 1/2 FOOT TELESCOPE FREE**

This is a real telescope and not a worthless toy. It is made by one of the largest manufacturers in Europe. When closed, as shown in picture, the telescope is 12 inches long and has a circumference of 5 1/2 inches. When all 5 sections are pulled out the full length is over 3 1/2 feet. It is built of the best materials, brass bound throughout. We furnish with each telescope a solar eye piece for use in studying the sun and the solar eclipses. Eye piece can also be used as a magnifying glass to detect insects or germs in plants or vegetables.

**Powerful Lenses 5 to 10 Mile Range**

The lenses in this telescope are carefully ground and correctly adjusted by experts. See objects miles away. Farmer said he could count the windows and tell the colors of a house 7 miles away and could study objects 10 miles away which were invisible to the naked eye. Absolute necessity for farmers and ranch men. They can keep their eyes on the cattle, horses or men when far distant.

Our Offer!! We will send one of these big telescopes free and prepaid to all who send \$1.00 to pay for one year's new or renewal subscription to Mail and Breeze, and 25 cents extra for postage (\$1.25 in all). The Telescope is guaranteed to please you in every way or your money will be promptly refunded. Order at once. Address all letters to

Mail and Breeze Eighth and Jackson, TOPEKA, KANSAS.





# BIG BARGAINS IN REAL ESTATE

Dealers whose advertisements appear in this paper are thoroughly reliable and the many bargains are worthy of your consideration

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**BEST LANDS**, best prices, best terms. Write me. W. B. White, Geneseo, Kan.

**320 A.** wheat land, \$4. 1/2 cash, bal. 3 yrs. Owner. Box 443, Syracuse, Kan.

**ALFALFA** land, Sedgwick Co. Write for price list. G. R. Davis, Valley Center, Kan.

**240 A. FARM**, modern imp., 110 a. alfalfa. Neal A. Pickett, Arkansas City, Kan.

**960 A.** Hamilton Co.; all grass, plenty water. \$6 a. Walter & Patton, Syracuse, Kan.

**FINE** imp. farms \$35 up. Catholics write. New church. John Collopy, Turon, Kan.

**FORD CO.** farms. Catholic College and community. Millikan & Turner, Dodge City, Kan.

**80 A.** 3 mi. out. Good imp. 25 a. alfalfa. Price \$5,500. Decker & Booth, Valley Falls, Kan.

**EASTERN KANSAS** corn, alfalfa and wheat land \$40 up. A. E. Clark & Son, Pomona, Ks.

**SUMNER CO.** wheat and alfalfa farms. Write for list. F. J. Wolfe, Conway Springs, Kan.

**190 A. IMP.** 46 a. alfalfa, bal. wheat, corn, pasture, \$12,000. Lindholm & Son, Kingman, Ks.

**BARGAIN**—Choice, well improved quarter. Good terms. J. E. Sullivan, Effingham, Kan.

**IMP. FARMS**, alfalfa, corn and wheat lands 350 up. Mott & Kohler, Herington, Kan.

**FARMS** and ranches, northeast Kansas, \$35 to \$125 acre. Geo. Loch, Marysville, Kan.

**FREE!** Illustrated booklet describing richest Co. in Kan. Hovey Land Co., Columbus, Ks.

**FARM** bargains in northeast Kansas. Send for list. Compton & Royer, Valley Falls, Ks.

**A BARGAIN**, 480 a. close in; good land, imp. Terms. J. F. Voran, Belpre, Kan.

**480 A. ALL GRASS**. Every acre can be cult. \$12.50 per acre. Box 215, German Colonization Co., Plains, Kansas.

**MUST SELL**—12 highly improved alfalfa and grain farms; will pay car fare for 30 days to see these lands. Tate, Howard, Kan.

**HAVE 10 GOOD RANCHES** 1000 to 10,000 a., well watered. Barber Co. Wheat and alfalfa farms. Terms. Kackley, Hutchinson, Kan.

**BARGAINS** in imp. alfalfa, corn and wheat farms. Right prices, easy terms. Proctor & LeGrande, South Haven, Sumner Co., Kan.

**WHEAT, OATS, CORN, ALFALFA** lands. Famous Sumner County, Kansas. 1/2 wheat with farms. H. H. Stewart, Wellington, Kan.

**BARGAIN**: Improved 200 acres, 120 cultivated; 40 bottom, running water, timber; price \$12,000. Will consider small trade. Write Studebaker, Salina, Kan.

**PRATT CO.** well imp. choice 160, 4 1/2 mi. Preston, 130 a. wheat, 1/2 goes; bal. pasture. Phone, rural route, \$10,500; 10 years on \$8,000. Chas. E. Dye, Preston, Kan.

**FINE** 400 acre stock farm, 240 acres cultivation. First class alfalfa, wheat and corn land, 160 acres pasture. Fine fencing, silo, barn and other improvements. \$37.50 per acre. Couch Land Co., Anthony, Kan.

**160 A.** well imp. 1 mi. town. \$15,000. 240 a. fine improvements. \$24,000. J. Jensen, Hiawatha, Kansas.

**FOR BARGAINS** in improved farms in Catholic settlements. Exchanges made. Write Frank Kratzberg, Jr., Greeley, Kansas.

**480 A.** level wheat land, 8 mi. elevator. Unimproved. \$8,500.00 or \$2,000 quarter. Geo. W. Day, Meade, Kansas.

**320 A.** well improved wheat farm, 5 1/2 miles out. Close to school. 1/2 of 170 a. wheat goes. Price \$7,200. Terms. Nate Neal, Minneapolis, Kan.

**160 ACRES** in north Morton county; black loam soil; all in grass; every foot tillable; \$6 per acre. L. J. Pettijohn, Dodge City, Kan.

**WESTERN** lands in Kansas, Oklahoma and Colorado. Wheat and maize lands in any quantities. Cash or terms. W. F. Craddock, Richfield, Kansas.

**IMPROVED DAIRY FARM**—70 acres pasture, 25 alfalfa, 65 cult., close to big "Pet" milk condenser. Price \$8,750. Write Papes, Mulvane, Kansas.

**640 ACRES**, 12 1/2 miles Garden City, 400 acres wheat, this fall 1/2 crop to purchaser; fair improvements. \$12.50 per a. C. I. Zirkle, Garden City, Kansas.

**BLUE RIBBON** on alfalfa was won by Lyon County at Wichita; land at from \$50 to \$100 per acre. Write for list. T. B. Godsey, Emporia, Kan.

**FORD COUNTY FARMS**, 640 a. smooth wheat land, well improved, 6 mi. Dodge City; will subdivide; 440 a. cult., bal. grass, \$35 a. Other farms for sale. G. L. Painter & Co., Dodge City, Kan.

**FINE HOME**, 640 acres, smooth as floor, 8 room house, large red barn, never failing water. Will send photo if desired. 100 acres wheat, 200 spring crop, 1/2 of all with sale. Wheat made 30 bu. last year, looks better now. Write me for price and terms, and list of other bargains. E. C. Buxton, Utica, Ness Co., Kan.

**3120 A. IDEAL RANCH**—Adjacent to Ness Co., Kan. In compact body; 90% tillable; 1,000 a. bottom alfalfa land; rich soil; 600 a. in cultivation. Two sets imp. Can lease 3,000 a. joining. Abundance water. Price \$30,000, terms. For particulars address C. F. Edwards, Ness City, Kansas.

**FOR SALE**, 40 acres, improved, three miles Valley Falls; 1/2 mile school. \$100 per a. 120 acres, improved, 3 1/2 mi. Valley Falls, 1/2 mile school. \$80 per acre. Bargains in any size farms. Write or see Harman Farm Agency, Valley Falls, Kan.

**WE OWN 13,600 ACRES IN FERTILE** Pawnee valley, smooth as a floor; best alfalfa and wheat land on earth; five sets of improvements; shallow water; will sell \$0 acres or more. Frizzell & Ely, Larned, Kansas.

**EVERYBODY SAYS** they're worth it. 1/2 sec. no imp., extra good, all in wheat, \$20,000. 1/2 sec., rolling, imp., good for stock farm, \$15,000. 160, no imp., priced right, \$0 a. \$3,000. Clark & Keller, Pratt, Kansas.

**WHEAT AND ALFALFA LANDS**. Santa Fe Railroad land. Easy payments. Ellis Thornhill, Halstead, Kansas.

**COFFEY COUNTY, EASTERN KANSAS**. Good alfalfa, corn, wheat and tame grass lands. List free. Lane & Kent, Burlington, Ks.

**MORTON COUNTY, KAN., LANDS**. 320 acres, level, black loam soil, shallow to water. Price \$1400 cash. Investigate. Cecil B. Long, Richfield, Morton Co., Kan.

**STOCK AND GRAIN BARGAIN**. Square section 2 mi. of Waverly. Fine location. School on farm. Fair 6 room house. New barn. Orchard. One-half fine blue grass. Price \$50 per a. Your terms. This is a real bargain. I do not keep bargains. I sell them and am going to sell this one. W. H. Lathrop, Waverly, Kan.

**15 YEARS TO PAY FOR STOCK FARM IN CHASE COUNTY, KANSAS**. 320 acres 6 1/2 miles town. 70 acres cultivated, 10 acres alfalfa, timber, 250 acres best grazing. Everlasting water. Five room house, extra good barn, orchard, telephone, 1 1/2 miles school. Price \$12,500.00, \$1,500.00 cash, balance 15 years at 5 per cent. J. E. Boeok & Son, Cottonwood Falls, Kan.

**SOUTHWEST KANSAS LANDS**. No. 1—320 a. near Dodge City; shallow water; 80 a. in wheat, share goes. Price \$7,000. Carry \$3,000.00. No. 2—160 a. 5 mi. of Dodge City, 2 mi. of Wright Station; fair imp.; 120 a. cult. 1/2 of crop goes. \$30 per a. on easy terms. No. 3—320 a. choice level land near Dodge City; 180 a. sod plowed. Price \$22.00 per acre, good terms. No. 4—640 a. near Dodge City, fenced; 400 a. in cult.; well imp.; school on land; price \$17,000. \$2,000 cash and bal in equal payments for 15 years at 6%. No. 5—320 a., level, imp. Hamilton Co. Price \$10 per a.; \$500 cash, balance \$300 per year at 6%. Have over 100 tracts of land for you to select from. Established here 12 years. Write for our big list. L. L. Taylor & Co., Dodge City, Neb.

**FARM BARGAIN**. One of the finest 80 acre improved farms in Nemaha Co., Kan., for quick sale, at a great bargain; terms, no trade. SEWELL LAND CO., GARNETT, KANSAS

**LAND**, sale or exch. Mo. to Pacific, Dakota to Gulf. Fultz, 311 1/2 N. Main, Hutchinson, Ks.

**BIGHAM & OCHILTREE** sell and trade best corn, alfalfa, wheat land in U. S. Write for list. 116 N. 8th, St. Joseph, Mo.

**HEADQUARTERS** for best wheat and alfalfa lands in Kansas; will exchange and assume. Jones Land Co., Sylvia, Kansas.

**FARM** and grazing lands, Custer, Blaine, Thomas and Hooker Cos., for sale and trade. B. C. Empfield, Broken Bow, Neb.

**FOR SALE OR TRADE**—Arkansas farm lands, close to railroad, \$10 to \$25 per acre. Shaffer Land Company, 641 Reserve Bank Bldg., K. C. Mo.

**STOCK RANCH**, 460 A. 160 a. cult., 100 a. bottom; 45 a. alfalfa, bal. native grass. Will run 100 head cattle. Good imp. Want N. W. Okla. A. A. Murray, Westmoreland, Kan.

**6 STOCKS** of general mdse., 3 stocks of hardware and implements, 10 residences, 8 farms, to exchange for income property. Hemphill Land Co., Lawrence, Kan.

**SIX APARTMENT** flat, south near Armour Blvd. Rents \$2880; price \$30,000. 12 apartment \$50,000; good \$25,000, \$20,000 and \$14,000 general mdse. All want farms. G. W. Goldman, N. Y. Life Bldg., K. C., Mo.

**160 A. IMPROVED** farm, Greenwood Co. Cash price \$10,400, trade for 40 or 80 acres, 160 a. Ellis Co., Okla., for Kansas or California land. Bader & Webster, Junction City, Kan.

**FARMS**, ranches, residences and merchandise stocks for sale or exchange. Owners, send us what you have. "Business is good." "If you trade with us you can get results." Lathrap & Adams, Blue Rapids, Kansas.

**Buy or Trade** 36-page Exchange Book, 5 cts. Bersie Agency, Eldorado, Kan.

## KIOWA COUNTY

Land bargains. Write for descriptions. Several of my own farms; can make terms to suit. C. W. Phillips, Greensburg, Kan.

## Butler County Ranch

350 acres with 325 of finest bottom, 80 alfalfa, balance blue stem pasture. Highly improved. Ideal location. Inquire V. A. Osburn, El Dorado, Kansas.

## WRITE US TODAY

for free lithographed maps of Ness County, Kansas, and list of land bargains. Miner Bros., Ness City, Kan. Established 1885.

## 2—Rare Bargains—2

Choice level 160 a. farm, \$4 a. cash. Also well imp. alfalfa farm 168 a. Perfect title. Immediate possession. \$50 a. Terms. Western Real Estate Exchange Co., Syracuse, Kan.

## 800 ACRES SMOOTH LAND

7 miles to railroad. Spring; fine ranch. Price \$5.50 per acre. \$1,200.00 cash, balance to suit purchaser. Vic L. Harris, Syracuse, Kan.

## 80 Acres Only \$1000

Only 7 mi. Wichita. Good, smooth black loam soil. Plenty bldgs. Possession at once. Only \$6,000. \$1,000 cash, time on bal. R. M. Mills, Schwetter Bldg., Wichita, Kan.

## GARDEN CITY ALFALFA LANDS

I own and offer for sale 760 a. shallow water lands, 1 to 3 miles east Garden City, Kan. Most all in alfalfa now. Prices \$50 to \$150 per acre, any size tracts. 1/2 cash, bal. in 10 annual payments.

**B. L. HART, Owner**, Commerce Bldg., Kansas City, Mo.

## WISCONSIN

**30,000 ACRES** cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhinelander, Wis.

**WE WANT** more settlers to locate on the rich, mellow clay loam farm land in Rusk Co. Write for free map and folder. Faust Land Co., Box 101, Conrath, Wis.

## CALIFORNIA

**IN SACRAMENTO** valley, 40 a. \$4500. Soil, water, location, everything right. Address Box 6, Pleasant Grove, Sutter Co., Calif.

## NEW YORK

**150 MONEY MAKING NEW YORK** farms for sale now at half actual value by McBurney & Co., Bastable Block, Syracuse, N. Y.

# FOR SALE OR EXCHANGE

**200 ACRES**, nicely imp., 40 a. alfalfa, to trade. Youngs Realty Co., Howard, Kan.

**LAND**, sale or exch. Mo. to Pacific, Dakota to Gulf. Fultz, 311 1/2 N. Main, Hutchinson, Ks.

**BIGHAM & OCHILTREE** sell and trade best corn, alfalfa, wheat land in U. S. Write for list. 116 N. 8th, St. Joseph, Mo.

**HEADQUARTERS** for best wheat and alfalfa lands in Kansas; will exchange and assume. Jones Land Co., Sylvia, Kansas.

**FARM** and grazing lands, Custer, Blaine, Thomas and Hooker Cos., for sale and trade. B. C. Empfield, Broken Bow, Neb.

**FOR SALE OR TRADE**—Arkansas farm lands, close to railroad, \$10 to \$25 per acre. Shaffer Land Company, 641 Reserve Bank Bldg., K. C. Mo.

**STOCK RANCH**, 460 A. 160 a. cult., 100 a. bottom; 45 a. alfalfa, bal. native grass. Will run 100 head cattle. Good imp. Want N. W. Okla. A. A. Murray, Westmoreland, Kan.

**6 STOCKS** of general mdse., 3 stocks of hardware and implements, 10 residences, 8 farms, to exchange for income property. Hemphill Land Co., Lawrence, Kan.

**SIX APARTMENT** flat, south near Armour Blvd. Rents \$2880; price \$30,000. 12 apartment \$50,000; good \$25,000, \$20,000 and \$14,000 general mdse. All want farms. G. W. Goldman, N. Y. Life Bldg., K. C., Mo.

**160 A. IMPROVED** farm, Greenwood Co. Cash price \$10,400, trade for 40 or 80 acres, 160 a. Ellis Co., Okla., for Kansas or California land. Bader & Webster, Junction City, Kan.

**FARMS**, ranches, residences and merchandise stocks for sale or exchange. Owners, send us what you have. "Business is good." "If you trade with us you can get results." Lathrap & Adams, Blue Rapids, Kansas.

**Buy or Trade** 36-page Exchange Book, 5 cts. Bersie Agency, Eldorado, Kan.

**FARMS AND RANCHES**, imp. and unimp., for sale or trade throughout Western Kansas. Eugene Williams, Minneapolis, Kan.

**STOCK RANCH**. 400 acres Elk County, Kansas, fine improvements, near county seat. Best farm in Elk County, Kan. Sell at a bargain or trade for mdse. Hunter Bros., Independence, Kan.

**FINE STOCK AND GRAIN FARM FOR SALE OR EXCHANGE**. 480 a., 158 a. in cultivation, 43 a. alfalfa and tame grass, remainder in blue grass pasture, 6 room house, barn 40x40, hay shed 4x60, 200 ton silo, other outbuildings, close to school, and town. Will consider exchange for good wheat land up to half value. Write for full description of this, and other farms for sale and exchange. MANSFIELD LAND COMPANY, Ottawa, Kansas.

**STOP PAYING RENT!** Own your own home. Cheaper than renting. Our new plan tells you how. Rich, sure crop land, no rocks or swamps. Free Map. Tom Blodgett Land Company, Desk 3, Little Rock, Ark.

**Best Stock-Grain-Hay Farm** in this Beautiful Ozark Valley. Best Located—Attractive Home—Health—Scenic View. Price, Half Value, 205 acres. All Good. \$7,500—Terms.—J. P. Hodge, Mansfield, Ark.

**80 ACRES**, bench and upland, with 60 cleared. House, barn, orchard, etc. Good neighborhood, 6 miles out. Price \$1,365.00. Other farm lands for sale. Write J. L. McKamey, Imboden, Ark.

**FREE GOVERNMENT LAND** Information; FREE MAP and list. Arkansas Dirt. Geo. R. Steinhauser, 501 Pine Street, St. Louis.

**REAL ESTATE WANTED** QUICK CASH for property or business. No matter what or where it is. Special terms to owners. Dept. F. Co-operative Salesman Co., Lincoln, Neb.

## BUSINESS INCOME

Three story solid brick building on Grand Ave. in the heart of the business center of Kansas City, Mo., to exchange for good farm or ranch. Write us for other bargains. THEODOR C. PELTZER INVESTMENT CO. 534 Scarritt Bldg., Kansas City, Mo.

## FOR GENERAL MERCHANDISE

A well located farm or small ranch about fifty miles from Wichita, lays nice and is good soil. This stock is wanted to run as a permanent business and not as a trading proposition, must be good. The land I am offering is good and will stand inspection. L. H. WHITEMAN 413 Bittling Bldg., Wichita, Kansas.

## MISSOURI

**KERAN & WEGNER**, real estate, Lockwood, Mo. Write for information, English or German.

**160 A.** well imp. Well and spring, 60 a. cult., bal. timber. R. F. D. and phone. \$17.50 a. Terms. J. A. Hunt, Marshfield, Mo.

**160 ACRES** for \$1,200.00. 40 a. cult., bal. in virgin timber, 3 room house, barn, etc. Close to school and P. O. I have other bargains. R. F. Jenkins, Ava, Mo.

**ROCKAWAY BEACH**, the choicest spot on beautiful Lake Taneycomo in South Mo. Fine fishing, boating, bathing. Lots: Acres; Farms. Low prices. Easy terms. Literature free. A. Merriam, Ellis & Benton, Kan. City, Kan.

**80 A. WELL IMP.** 2 good springs. Cistern; 60 a. grass; orchard, bal. timber. Lists. A. Cawthra, Fordland, Mo.

**ATTENTION, FARMERS**. If you want a home in a mild, healthy climate with pure water and productive soil and where land can be bought at a reasonable price write Frank M. Hammel, Marshfield, Mo.

**160 ACRES POLK CO., MO.** Four miles from Bolivar, the county seat. Fine public road, rural mail, telephone. Farm highly improved. Best of soil, running water. Ideal for raising blooded stock. Trade established. Prices right and liberal terms. (Owner.) K. H. Brown, Bolivar, Mo.

**FOR SALE**, 40 acres, all in cultivation, all fenced and cross fenced with wire; good four room house, good barn, poultry house, and other outbuildings; buildings all new, good well in yard, 1 mile from county seat of 1600, on main line of Frisco R. R. R. F. D. and telephone. Price \$2,850. Terms. R. S. Phillips, Marshfield, Mo.

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## LOW PRICED LANDS

**\$3.50 to \$10.00 an Acre**. 28,000 acres Ripley county, southeast Missouri, for sale in 80 to 1,000 acre tracts. Black limestone soil, well watered, virgin hardwood timber, blue stem grass, abundant mast for hogs, soil adapted to clover and alfalfa, mild climate, close to big markets. Settled neighborhood, churches and schools. Terms 1/3 cash, remainder four equal annual payments, no interest. Sold by owners. Free booklet, map, etc. W. G. Draper, Willow Springs, Mo.

**AN OZARK BARGAIN**. Eighty acres unimproved fruit land, splen did neighborhood, one mile and half from railroad, same distance from Merlmac river in Dent County, Missouri. Seven miles from Salem, the county seat; \$15.00 per acre. First check for \$1200 takes it, perfect title.

**I. D. GRAHAM** CAPPER BLDG., TOPEKA, KAN.

## ARKANSAS

**WRITE** Dowell Land Company for bargains in Arkansas lands. Walnut Ridge, Ark.

**LITTLE RIVER** valley lands rich and cheap. On railroad. Robt. Sessions, Winthrop, Ark.

**RICH VALLEY FARMS** with all new buildings on most liberal terms ever offered. Valley Park Imp'm't Ass'n, Edwardsville, Ill.

**WRITE YOUR WANTS** for Arkansas lands. W. B. Lane, Hope, Ark.

**FOR SALE**—120 ACRE STOCK FARM. 5 miles out, good grass. \$15 per acre. Gentry Realty Co., Gentry, Ark.

**IF INTERESTED** in N. E. ARKANSAS farm and timber lands, write for list. F. M. Messer, Walnut Ridge, Ark.

**122 A.** 4 mi. of Waldron, Co. seat. 65 a. in cult.; valley land; 2 sets improvements; good fruit; good roads. Price only \$25 per a. Frank Bates, Owner, Waldron, Ark.

**STOP PAYING RENT!** Own your own home. Cheaper than renting. Our new plan tells you how. Rich, sure crop land, no rocks or swamps. Free Map. Tom Blodgett Land Company, Desk 3, Little Rock, Ark.

**Best Stock-Grain-Hay Farm** in this Beautiful Ozark Valley. Best Located—Attractive Home—Health—Scenic View. Price, Half Value, 205 acres. All Good. \$7,500—Terms.—J. P. Hodge, Mansfield, Ark.

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**REAL ESTATE WANTED** QUICK CASH for property or business. No matter what or where it is. Special terms to owners. Dept. F. Co-operative Salesman Co., Lincoln, Neb.

## C



## OKLAHOMA

40 A. 1 room house, outbuildings, 20 A. cleared, 1 mi. E. of P. O. Price \$300. Other farms cheap. **Walter Land Co., Tulsa, Okla.**

**SOUTHERN REALTY CO., McAlester, Okla.**, is offering cheap farms and pastures in Eastern Oklahoma, on good terms. Write them if interested.

**F. M. TABLTON & CO.**, will mail you list of farms in northeast Oklahoma. Write them. **Wichita, Oklahoma.**

**BARGAIN.** Well improved 160 acres in Kay County, 4 miles to town, 1/2 mile to school, crop worth probably \$10,000.00. If sold soon, \$2,500.00 cash, \$5,000.00 good terms. **Manon Investment Co., Newkirk, Oklahoma.**

**WHY STAY IN DEBT AND PAY INTEREST ON HIGH PRICED LANDS** or remain only a renter when equally good land is yet to be had at \$10, \$20 and \$30 per acre in Oklahoma? Write or come and see me. **Frank Meadows, Hobart, Okla.**

## Oklahoma Land For Sale

Good land in Northeastern Oklahoma; price from \$20.00 to \$35.00 per acre. Write for price list and literature. **W. C. Wood, Nowata, Okla.**

## 1250 ACRES \$3 PER ACRE

1,250 acres of rolling grass and some land in Ellis County, Oklahoma. No rough land. A good proposition for a ranch. Inquire about \$2,250, long time at \$5. 12 miles to good town. Will exchange for clear farm land or city property. **Stecher Bros., Okemah, Coffeyville, Kan.**

## TEXAS

**CHEAP LAND.** McMullen Co., Texas. Only \$1 per a. cash, bal. 30 yearly payments. fine climate, all good land. **F. A. Connally, Commercial Bank Bldg., Houston, Tex.**

**GOOD FARMS** near Houston, corn, oats, poultry, strawberries, vegetables, \$1 per a. cash, balance monthly. Write for literature. **L. Bryan & Co., Houston, Texas.**

**YOU CAN OWN A FARM** With the rent you pay. Best land in famous corn and hog belt of Texas. Sold on rental terms. Crops the year round. **T. Kingston, Rockport, Texas.**

## FOR SALE

Farms, ranches and business propositions in south and southwest Texas, or lovely homes in beautiful Yokum. Are you interested? Write us just what you want and we will help you to get it. Can make you low prices and long terms. We also have some fine colonization propositions. Watch our ads. **Woolley-Lacy Realty Co., Box 245, Yokum, Texas.**

## NEBRASKA

**IMPROVED lands \$40 per a. and up.** Clear land \$5 and up. Write for information. **J. F. Calhoun, North Platte, Neb.**

**CHERRYNE CO.** wheat averages 25 bu. Corn 25. A few acres at \$15 to \$20. Easy terms. **Cherryne Co., Bonded Auctioneers, Sidney, Neb.**

**COME.** stock, grain and dairy farms. 50% cheaper than same quality land farther east. **Howard & Richardson, Hastings, Neb.**

## MONTANA

**FAMOUS JUDITH BASIN, MONTANA.** Wonderful grain and stock country, rainfall unfailing, mild winters, delightful summers, healthful climate, crop failures unknown, extra fine stock ranches, natural alfalfa and timothy land, greatest non-irrigated grain growing section in United States, holds second winter wheat and barley. No destructive insects. Write for literature. **J. W. Studebaker, State Agent, McPherson, Kansas.**

## NEW MEXICO

**For Sale 45A. Alfalfa Farm** with 5 room house. All modern improvements. In city limits. Apply to owner. **Box 162, Carlsbad, New Mexico.**

## Alfalfa, Hogs, Poultry

**Fruit and Honey** will make you independent on one of 20 forty-acre tracts, all in body; rich, smooth valley land, irrigated. State water right, now in crops; mountain climate, cool summers, mild winters, plenty free pasture land. Terms \$500 acre, \$500 cash, each 40, balance run 10 years, then \$500 each year. Fine investment. Write owner. **H. M. Carl, Artesia, N. M.**

## FARM LOANS

**FARM AND CITY MORTGAGES** a specialty. Write us if you wish to borrow. **Perkins & Co., Lawrence, Kan.**

**FARM LOANS.** Missouri, Kansas, Oklahoma and Arkansas, low rates, liberal privileges, most favorable terms. No delay. You get all you borrow. **The Banting Investment Co., Oswego, Kan.** Branch offices: **Wichita, Kan.; Oklahoma City, Muskogee, Durant, Okla.; Little Rock, Ark.**

## IDAHO

**IMPROVED irrigated lands, \$60 a. up.** Write for booklet. **J. C. Kincaid, Twin Falls, Idaho.**

**FLORIDA** Farming pays. Rich rolling land. Especially every crop grown here profitably. Land prices below real value. Get in on ground floor. Write. **Board of Trade, Panama, Col., Fla.**

## Cattle Are Firm Once More

Wheat Prices Developed a Better Tone, But Hay Is Decidedly Weak—Spring Lambs Were Higher

**PRIME** corn fat cattle are in the lead again with medium to strong weights favored. Compared with a week ago, prices are up 15 to 20 cents. Prices of yearling steers, however, declined 15 to 25 cents, and grades that show grass feeding are 25 to 35 cents lower. The movement of Southern grass fat cattle is increasing and the recent decline in them has placed prices low enough to make killers more anxious for supplies. Fewer Colorado and Northwest steers are coming. Nebraska is marketing more freely now than at any previous time this year. Kansas pasture men will soon be ready to market winter fed early grass steers.

The top price this week, \$9.25, was paid for 1,145-pound Kansas steers, and some 1,285-pound steers sold at \$9.10. No important change occurred in prices of stockers and feeders. Receipts were moderate. The highest price paid this week was \$8.80 for a carload of steers and heifers that went to Illinois. The bulk of the feeding steers sold at \$7.50 to \$8.40. A good many stock cows and heifers sold at \$6.50 to \$7.50.

The range of prices for the various grades of cattle is approximately as follows:

## FAT STEERS.

Prime heavy, corn fed.....\$8.40@9.10  
Prime medium weight.....8.25@9.25  
Good to choice.....8.30@8.60  
Fair to good.....7.40@8.10  
Western steers, choice.....8.25@8.65  
Fair to good.....7.45@8.20  
Common to fair killers.....7.00@7.60  
Prime yearlings.....8.15@9.15

## COWS AND HEIFERS.

Prime.....\$7.00@7.50  
Good to choice.....6.25@7.00  
Fair to good.....5.50@6.25  
Cutter cows.....5.25@5.45  
Canners.....4.50@5.10  
Prime heifers.....8.40@9.00  
Fair to choice.....7.00@8.40  
Common to fair.....6.50@7.45

## QUARANTINE CATTLE.

Steers, grain fed.....\$4.00@5.50  
Steers, meal and cake fed.....7.25@8.00  
Steers, grass fat.....5.50@7.00  
Cows and heifers.....4.75@7.35

## FEEDERS AND STOCKERS.

Selected feeders.....\$2.00@2.50  
Good to choice feeders.....1.75@2.00  
Medium to good feeders.....1.25@1.45  
Common to fair feeders......85@1.20  
Selected stockers.....2.00@2.50  
Medium to good stockers.....1.75@2.00  
Common to fair stockers......65@1.20  
Stock cows.....1.50@2.25  
Stock heifers......90@1.00  
Stock calves......70@1.00  
Killing bulls......50@.65  
Veal calves......6.50@9.50

## Spring Lambs Were Up.

Spring lambs sold last week at Kansas City up to \$11.60, the highest price ever paid at this market in June. In the past two days prices dropped 50 cents and were 95 cents lower than a week ago. Prices for sheep are firm. Spring lambs are quoted at \$10 to \$11, clipped wethers \$6.25 to \$6.55, and ewes \$5.50 to \$6.35.

## The Receipts.

Receipts of livestock last week, with comparisons, are here shown:

	Satur.	Week Ago.	Year Ago.
Cattle—			
Kansas City.....	22,550	23,550	23,325
Chicago.....	40,800	37,800	43,300
Five markets.....	98,250	97,025	104,400
Hogs—			
Kansas City.....	42,650	61,000	40,225
Chicago.....	124,000	124,000	125,000
Five markets.....	342,000	345,500	306,100
Sheep—			
Kansas City.....	20,575	22,600	53,400
Chicago.....	50,000	40,000	76,000
Five markets.....	101,725	90,200	124,500

## Light Hogs Were Higher.

Medium and light weight hogs were 10 to 15 cents higher, and heavy hogs 15 to 20 cents lower than a week ago. On Friday light weight hogs sold up to \$7.25 at Kansas City, the highest price this year. Receipts in Chicago have been liberal and large supplies are expected this week. The prices Saturday were: Bulk, \$7.05@7.75; heavy, \$7.65@7.75; packers and butchers, \$7.50@7.75; light, \$7.00@7.50; pigs, \$6.50@7.50.

## A Weak Hay Market.

General complaint was made last week in Kansas City that new alfalfa hay is arriving hot and out of condition owing to recent rains. It was almost unobtainable. Other hay, except choicest grades, was quoted weak. Receipts Saturday included 63 cars of prairie, 3 cars of timothy, 1 car of clover mixed, 10 cars of alfalfa, 82 cars in all, compared with 26 cars a week ago and 72 cars a year ago.

Total receipts last week were 450 cars, compared with 483 cars last week and 263 cars a year ago. Quotations follow: Prairie, \$12.50@13.50; No. 1, \$10.00@12; No. 2, \$6.50@9.50; No. 3, \$4.00. Timothy, No. 1, \$15.00@16; No. 2, \$12.00@14.50; No. 3, \$7.00@11.50. Clover mixed, choice, \$15.00@15.50; No. 1, \$13.00@14; No. 2, \$7.00@12.50. Clover, No. 1, \$12.00@13; No. 2, \$8.00@11. Alfalfa, choice, \$16.50@17.50; No. 1, \$15.00@16.50; standard, \$14.00@15.50; No. 2, \$11.00@14; No. 3, \$8.00@11. New alfalfa, choice, \$18.50@19.50; No. 1, \$12.50@13.50; standard, \$11.50@12.50; No. 2, \$9.00@11; No. 3, \$6.00@8.00.

\$6@9. Straw, \$4.50@5. Packing hay, \$3@3.50.

## The Wheat Market Recovered.

A good, general demand developed for hard wheat in Kansas City at the end of the week, and offerings were well cleaned up. Prices rose 2 to 5 cents. Sales were: No. 2, 2 cars \$1.18, 4 cars \$1.17, 3 cars \$1.15, 4 cars \$1.14, 1 car \$1.13 1/2, 1 car like sample \$1.13, 3 cars \$1.12; No. 3, 3 cars \$1.16, 6 cars \$1.15, 7 cars \$1.14, 7 cars \$1.12, 1 car like sample \$1.11, 1 car like sample \$1.10; No. 4, 1 car \$1.13, 3 cars \$1.11, 3 cars \$1.10, 1 car like sample, very smutty, \$1.07; sample, 1 car \$9c.

Advances of 2 to 3 cents were made in soft wheat prices. Sales were: No. 2, nominally \$1.10@1.11; No. 3, nominally \$1.07@1.09.

Mixed Wheat—No. 3, 1 car \$1.13, 1 car screened weights \$1.10; No. 4, 1 car smutty \$1.09; sample, 1 car very smutty \$1.05.

Demand for the small offerings of corn was good at 1/2c to 1 1/2c higher prices. Sales were: No. 2 white, 2 cars 73c; No. 3, 2 cars 72c; No. 2 yellow, 1 car 74c, 2 cars 73 1/2c; No. 3, 1 car 73c; No. 2 mixed, 1 car mostly white 72 1/2c, 1 car 72 1/2c, 1 car 72c; 1 car bulkhead 72c; No. 3, 1 car 71 1/2c.

Oats prices rose 1/2c to 1c. Sales were: No. 2 white, nominally 45 1/2@46c; No. 3, 3 cars 45c; No. 4, 2 cars 43 1/2c; No. 2 mixed, nominally 40@42c; No. 3, nominally 40@41c; 1 car bulkhead 41c; No. 4, 1 car 39c.

## Butter, Eggs and Poultry.

Kansas City, Mo., June 12.—Quotations on 'change were as follows: Eggs—Extras, new white wood cases included, 18c a dozen; firsts, 16 1/2c; seconds, 13 1/2c.

Butter—Creamery, extra, 26c a pound; firsts, 24c; seconds, 22c; pound prints, 1c higher; packing stock, 19 1/2c. Live Poultry—Broilers, 13@20c; hens, No. 1, 12c; roosters, 9c; turkeys, 13c; ducks, young 15c, old 11c; geese, 6c.

## Failing the Fly

(Continued from Page 3.)

sect is present or not is used, the Hessian fly damage will be reduced all right. I believe, judging from the remarkable interest and attendance which this special has met, that there is going to be a great deal of co-operation this year in the control of this pest in the crop of 1916."

"This has been a very profitable institute train," said E. C. Johnson, superintendent of institutes in the Kansas

The boycott is the trump card of peace. A warring nation cut off from all trade or intercourse with peaceful nations must surrender, and surrender quickly. The mighty force of combined public opinion applied by neutral nations, can be made to spike every cannon and shatter every battleship in the world.

State Agricultural college. "I think that an important thing is the big attendance at towns like Stafford and Anthony, where the fly damage has not been so very heavy this year. The interest in the train there shows that the farmers are alive to the losses which the Hessian fly can cause, and that they intend to avoid such losses themselves. These towns, by the way, have especially progressive farmers, who are quick to see the business advantage of reducing insect loss."

"Farmers have been well pleased that the system of control which we have recommended is so simple," remarked T. J. Talbert, entomologist of the extension department of the college. "They are quick to see that early, deep preparation of the seedbed will increase crop yields. Judging from the questions asked on this trip there is a very general appreciation of the value of cultivation in increasing the returns."

The speakers on the train were: L. E. Oall, professor of agronomy; George A. Dean, professor of entomology; E. C. Johnson, superintendent of institutes; T. J. Talbert, entomologist of the extension department, and J. W. McCulloch, assistant state entomologist, all of the Kansas State Agricultural college, Manhattan; F. P. Lane, Newton, county agent of Harvey county, and E. G. Kelley, Wellington, a United States government entomologist. The train was in charge of H. M. Bainer, agricultural demonstrator, and Frank Jarrell, pub-

licity agent, of the Santa Fe. Meetings were held at 62 towns on the Santa Fe lines in Kansas. Forty minutes was allowed to each lecture except where a speaker was "dropped" for a certain town. In such cases the speaker and the farmers had an hour or two together.

## Healed Too Quickly

One of my mares was cut on one knee, a few weeks ago. This cut has nearly healed but the joint swelled and is sore. The mare is growing very thin despite the best feed and care. **J. L. Douglas County, Kansas.**

It is barely possible that the cut on your mare's leg has healed too rapidly so that the infection which undoubtedly was present is imprisoned within the tissues. This may cause an abscess which usually is indicated by swelling, heat, tenderness, and sometimes fluctuation. The pain is so intense that the animal's general condition is affected.

The treatment consists in reopening the wound so as to permit the pus to escape, or if you think there is no pus, then it is possible that the joint has become inflamed as the result of the infection and in some cases this will destroy the future usefulness of the animal. The latter condition should be treated by applying a bandage over the foot and a layer of cotton soaked in this solution and placed over the affected parts:

Spirits of camphor..... 4 oz.  
Sugar of lead..... 2 oz.  
Powdered alum..... 3 oz.  
Water sufficient to make 1 quart.

This latter treatment is of no value if there is pus in the vicinity of the joint, as pus must be removed before improvement can take place.

**R. R. Dykstra.**

**K. E. A. C., Manhattan, Kan.**

## Books For Dairy Farmers

Every person who starts in the dairy business soon finds himself in need of information concerning some of the various phases of the industry. There are many good bulletins on subjects relating to milk and butter production which can be obtained free by writing to the different state experiment stations and to the United States Department of Agriculture, Washington, D. C. Some of the information contained in these publications may not be applicable to some particular locations and conditions but they do contain suggestions which are worth many times the trouble and small outlay it takes to get them.

Many good books relating to dairy subjects also have been published. One of these which can be especially recommended is "Dairy Cattle and Milk Production," by C. H. Eddles, published by the Macmillan Company, New York, N. Y. This book contains chapters on the origin, development, and adaptability of the dairy breeds, developing dairy heifers, and managing and feeding dairy cows. A chapter on calf raising contains many suggestions which will be of value to the beginner as raising calves on skim milk is one of his most difficult tasks.

## Remedy For Stringy Milk

Will you tell me what causes a cow to give lumpy, stringy milk? Is there a cure for this condition? How can I prevent a cow from drawing her own milk? **Lincoln County, Kan.** **A. S.**

Stringy milk of cows usually is due to some form of garget. It also may be caused by failure to milk the animal thoroughly. I should suggest therefore, that you milk the animal thoroughly several times daily, and in addition wash out the quarters giving the stringy milk with a quart of a lukewarm 1/2 per cent fluoride of soda solution. This should be repeated daily under strictly sterile conditions, the fluid being retained for about 15 minutes in the quarter.

There are many appliances on the market which may be placed on a cow's muzzle so that she cannot draw her own milk. We sometimes perform a veterinary surgical operation for the relief of this condition by removing one-half of the tip of the tongue. After this the animal cannot encircle the teat with the tongue and in that way overcomes the trouble.

**Dr. R. R. Dykstra.**

**Kansas State Agricultural College.**

Watchful care and good judgment in handling the cows will insure healthy litters.



## WHAT BREEDERS ARE DOING

**FRANK HOWARD,**  
Manager Livestock Department.

## FIELDMEN.

A. B. Hunter, S. W. Kansas and West  
Okla., 614 S. Water St., Wichita, Kan.  
John W. Johnson, N. Kansas and S. Ne-  
braska, 820 Lincoln St., Topeka, Kan.  
Ed R. Dorsey, North Missouri, Iowa and  
Illinois, Cameron, Mo.  
Jesse R. Johnson, Nebraska, 1937 South  
16th St., Lincoln, Neb.  
C. H. Hay, S. E. Kan., So. Mo. and E.  
Okla., 4204 Windsor Ave., Kansas City, Mo.

## PUREBRED STOCK SALES.

Claim dates for public sales will be pub-  
lished free when such sales are to be ad-  
vertised in the Farmers Mail and Breeze. Other-  
wise they will be charged for at regular  
rates.

## Jacks and Jennets.

Sept. 15—W. H. Ronejue, Atlanta, Mo.  
Oct. 15—Geo. Lewis & Son, Stahl, Mo.

## Shorthorn Cattle.

Aug. 12—Chris Wilson, Glasco, Kan.  
Oct. 27—Henry H. Kuper, Humboldt, Neb.  
Oct. 28—E. E. Dowell & Son, Hiawatha, Kan.

## Poland China Hogs.

Sept. 1—C. D. McPherson, Grantville, Kan.  
Sept. 28—J. O. James, Braddyville, Ia.  
Sept. 29 and 30—J. D. Gurthet and Ed W.  
Cook, Pattonburg, Mo.  
Oct. 15—O. B. Clementson, Holton, Kan.  
Oct. 19—Sigel Brown, Reeds, Mo.  
Oct. 20—A. F. Blinde and Geo. Brown, sale  
at Tecumseh, Neb.  
Oct. 20—H. C. Graner, Lancaster, Kan.  
Oct. 21—H. B. Walter, Effingham, Kan.  
Oct. 26—Herman Gronniger & Sons, Ben-  
dena, Kan.  
Oct. 27—Fred G. Laptad, Lawrence, Kan.  
Nov. 3—J. L. Griffiths, Riley, Kan.  
Jan. 21—A. F. Blinde and Geo. Brown, sale  
at Auburn, Neb.  
Feb. 11—S. A. Nelson & Sons, Malcolm, Neb.  
Feb. 15—Herman Gronniger & Sons, Ben-  
dena, Kan.  
Feb. 16—H. C. Graner, Lancaster, Kan.  
Feb. 17—Ed Sheehy, Hume, Mo.  
Feb. 17—H. B. Walter, Effingham, Kan.  
Feb. 18—J. H. Harter, Westmoreland, Kan.

## Spotted Poland China Hogs.

Sept. 23—Thos. F. McCall, Carthage, Mo.  
Oct. 6—H. T. Dickerson, Jameson, Mo.  
Nov. 2—Alfred Carlson, Cleburne, Kan.

## Duroc-Jersey Hogs.

July 28—Dr. C. E. Still, Kirksville, Mo.  
July 28—A. L. Guthridge, Clearwater, Kan.  
Sept. 1—W. W. Otey & Sons, Winfield, Kan.  
Sept. 2—C. D. McPherson, Perry, Kan.  
Oct. 14—Geo. Klusmire, Holton, Kan.  
Nov. 3—Martin Kelley, Verdon, Neb.  
Nov. 8—E. M. Farnham, Hope, Kan.  
Jan. 24—Geo. Briggs & Sons, Clay Center,  
Neb.  
Feb. 24—J. M. Layton, Irving, Kan.  
Chester White Hogs.  
Feb. 24—J. M. Layton, Irving, Kan.

## S. W. Kansas and W. Oklahoma

BY A. B. HUNTER.

Readers who are interested in Mule Foot  
hogs would find it to their advantage to  
write Freeland & Hildwine of Marion, Kan.  
This firm has one of the good herds of this  
breed and is making special prices on some  
choice breeding stock. Their Mule Foot  
hogs are of the large, growthy type. When  
writing them mention Farmers Mail and  
Breeze.—Advertisement.

## N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

Andrew Kosar, Glasco, Kan., who has  
been one of the best known breeders of  
O. I. C. hogs in central Kansas, has gone  
into the Poland China business. Mr. Kosar  
is a regular advertiser in the Farmers Mail  
and Breeze. Write him any time about  
Poland China breeding stock.—Advertisement.

## Workman's Angus Cattle.

Johnson Workman's herd of Angus cattle  
at Russell, Kan., is one of the strongest  
western herds of this popular beef breed.  
His herd is not one of the largest in point  
of numbers but has been closely culled and  
choice animals added. Last February Mr.  
Workman was the principal buyer at the  
big Coolbough & Bartlett sale in which he  
bought 14 very choice cows, 13 of which  
are raising calves this season. There are  
60 breeding cows in the herd and they are  
indeed choice. The herd bull, Louis of  
Viewpoint 4th, is a great individual and  
sire. He is a half-brother to the champion  
cow of America, Louis of Meadowbrook  
72459, the sire, is the noted show and  
breeding bull that won 18 firsts and cham-  
pionships out of 22 shows. The big ranch  
which is the home of this splendid herd  
of Angus cattle is one of the best stock  
farms in the West. It consists of several  
hundred acres on the Saline river. You  
will be pleased with your trip if you visit  
Johnson Workman and this great ranch  
with its great herd of Angus cattle. If  
you want the best in Angus cattle get in  
touch with Mr. Workman. Look up his  
advertisement in the Angus section of the  
Farmers Mail and Breeze.—Advertisement.

## Duroc-Jersey Boar Pigs.

R. W. Baldwin of Conway, Kan., is chang-  
ing his regular card advertisement in this  
issue of Farmers Mail and Breeze and is  
offering Duroc-Jersey baby boars at \$10  
each. Mr. Baldwin guarantees his pigs to  
be exactly as represented and if not satis-  
factory they may be returned by the buyer  
paying express charges one way. This is  
certainly a fair proposition. Mr. Baldwin  
does things on a big scale. His half section  
farm is fenced hog tight and he raises pigs  
by the hundreds. This enables him to make  
the exceedingly low price which he is ad-  
vertising. The pigs were farrowed in Feb-  
ruary, March and April. They are sired by

Bell the Boy, the boar that won so many  
first prizes for Mr. Baldwin in the state  
fairs last fall. In addition to the boars  
there are about 40 fall gilts that will weigh  
around 200 pounds each. These gilts will be  
bred to Bell the Boy and sold at \$25 apiece.  
Mr. Baldwin will also sell the pick of 30  
tried sows at \$30 each. That Baldwin's  
pigs please is shown by the numerous let-  
ters received from purchasers. On May 29,  
1915, Wm. Hildebrand of Ft. Cobb, Okla.,  
writes: "Received the pig Thursday noon  
in good condition. I am well satisfied with  
it." Mr. Baldwin also breeds Percheron  
horses, Shorthorn cattle and Rhode Island  
Red chickens. He always has breeding  
stock for sale. When writing him please  
mention Farmers Mail and Breeze.—Adver-  
tisement.

## Bonnie View Holsteins.

The Bonnie View Stock Farm is noted  
for the particularly high class Duroc-Jersey  
hogs it produces. Many of our readers will  
remember the Searle & Cottle show herd of  
Duroc-Jerseys at the state fair the past few  
seasons. Men who produce such excellent  
hogs can be depended upon to produce as  
good stock in any other line if they under-  
take the job. This firm has one of the  
best bred herds of Holstein cattle in the  
state. At the present the herd numbers  
only a few head and this firm is not so  
well known in Holstein circles as in Duroc  
circles, otherwise our readers would not  
have the opportunity to buy the high class  
bulls which they are offering at this time.  
The offering includes three bulls, one of  
which is 6 months old, one a yearling past  
and one a 3-year-old. Two of these bulls  
are of the noted DeKol family and one of  
them is out of a cow that made better than  
16 pounds of butter in seven days. Besides  
these high class bulls Messrs. Searle & Cottle  
are offering special bargains in fall Duroc-  
Jersey gilts. If you want a strictly high  
class, well bred Holstein bull be sure to  
write about the three mentioned above.  
They are offered at prices ranging from \$75  
to \$150. When writing Searle & Cottle  
kindly mention Farmers Mail and Breeze.  
—Advertisement.

Farmers Mail and Breeze  
Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan.  
Dear Sirs:—I certainly got splendid  
results from my advertising in Farmers  
Mail and Breeze last winter. I sold 14  
bulls. All I had for sale and could  
have sold more. I gave J. W. Johnson  
an order for another year's advertising  
recently. Respectfully,  
J. F. SEDLACEK,  
Breeder of Hereford cattle,  
Blue Rapids, Kan., May 14, 1915.

Farmers Mail and Breeze, Topeka, Kan.  
Gentlemen—I think you know that I  
have always used Farmers Mail and  
Breeze with good results. I expect to  
run a card in it again this season and  
will advertise my sale in it as usual.  
The services of competent and expe-  
rienced fieldmen, such as you employ,  
are valuable to the pure bred stock  
breeders. Yours very truly,  
J. H. HARTER,  
Breeder of Poland Chinas,  
Westmoreland, Kan., April 22, 1915.

Every week for years the Farmers Mail  
and Breeze has printed voluntary letters  
from its advertisers and different let-  
ters are printed every week.

## PUREBRED HORSES.

**Bargain** One Mammoth Kentucky  
Jack, 18 hands high, and  
one pure-bred black Per-  
cheron stallion, weight  
1900 pounds. HUGH HOPPING, Cherryvale, Kan.

## LIVESTOCK AUCTIONEERS.

FLOYD CONDRAY, Stockdale, Kansas

**R. L. Harriman, Bunceton, Mo.**  
Selling all kinds of pure bred livestock. Address as above

**ANIMAL PHOTOGRAPHY** and sketching: all  
kinds of farm ani-  
mals. Write for prices. Harry Spurling, Taylorville, Ill.

**John D. Snyder AUCTIONEER**, successfully  
sells pure bred live  
stock, real estate and general sales. HUTCHINSON, KAN.

**Livestock auctioneer. Write for open dates.**  
**Jas. T. McCulloch, Clay Center, Kan.** References:  
I am selling for every year. Write for open dates.

**Spencer Young, Osborne, Kan.**  
Livestock Auctioneer. Write for dates.

**WILL MYERS, Livestock Auctioneer**  
BELOIT, KANSAS. Ask the breeders in North Central  
Kansas. FOR DATES ADDRESS AS ABOVE.

**JESSE HOWELL, HERKIMER, KAN.**  
of Howell Bros., breeders of Durocs and Herefords  
can make you money on your next sale. Write for dates.

## Be an Auctioneer

Travel over the country and make big  
money. No other profession can be learned  
so quickly, that will pay as big wages. Next  
4 weeks' term opens Aug. 2, 1915. Are you  
coming?

**Missouri Auction School**  
Largest in the World: W. B. Carpenter, Pres.  
818 Walnut St., Kansas City, Mo.

**Col. E. Walters Skedee**  
**W.B. Carpenter** 818 Walnut St.  
Kansas City, Mo.

Sell your farms and city property at auction,  
as well as your pedigreed livestock. Write  
either for dates. Also instructors in

**Missouri Auction School**

## Your Pick My Band 27 Blk, 3-4-5 Yr.-Old

Stallions, \$400; Your pick my band 27 blk. 3-yr.-old stallions, \$300. Registered  
Percherons. Sound, big-boned, extra growthy, size black 2500 lb. Imported  
dams mostly from imported blacks. It's the peddler's profit that makes stallions dear;  
buyers can save hundreds of dollars by coming to this ranch for growers prices and  
big selection. Just above Kansas City, Fred Chandler, Percheron Ranch, R. V. Chariton, Ia.



## North &amp; Robinson Co., Grand Island, Neb.

have a lot of good registered stallions and mares for sale at at-  
tractive prices. Write for more information.

## POLAND CHINAS.

Pigs—big type—pedigreed. Pairs and  
trios. Shipped on approval.  
Davis Bros., Box 12, Lincoln, Nebr.

**Big Type Poland Chinas** for sale. Fall and spring  
low. F. F. WARNER & SON, Bloomfield, Iowa

## Original Big Spotted Polands

Fall gilts open or bred to your order.  
Spring boars and gilts. Write for prices and  
descriptions. Boar sale November 2.  
ALFRED CARLSON, CLEBURNE, KANSAS

## Big Type Poland China Pigs

Big husky fellows ready to ship. Pairs or trios  
not related, sired by Smooth Columbus, Mr. Won-  
der, Big Wonder and Wonder Chief. Farmers prices.  
Write for guaranteed descriptions. Ed Sheehy, Hume, Mo.

## HEDGE WOOD STOCK FARM

## Leading Big Type Polands

For the next 60 days we will make special prices  
on weanling pigs. R. F. HOCKADAY, PECULIA, MO.

## Fairview Poland Chinas

For Sale: Choice fall boars, some good enough to  
head herds. Write us for prices and guaranteed descriptions.  
P. L. WARE & SON, PAOLA, KANSAS

**I Am Booking Orders** for a fancy line of  
my blue ribbon, reserve champion and grand champion  
boars, also out of prize winning sows. Satisfaction guaran-  
teed. Express prepaid. Start a fancy herd from one of the  
greatest show herds in existence. W. Z. BAKER, Rich Hill, Mo.

## ENOS BIG TYPE POLANDS!

Extra good young boars ready for service by Or-  
phan Chief and Giant Jumbo; 5 hard headers in the  
lot. Also a few choice gilts for first of May farrow. Prices  
right. Quality high. Must sell soon. A. R. ENOS, Kansas, Mo.

## Becker's POLAND CHINAS

Spring gilts, Hadley, Expansion, Mastodon, and other  
leading strains and safe in pig to Orphan Boy, by Orphan  
Chief. Fall pigs, pairs and trios, by Orphan Boy and  
Hadley's Wonder, a grandson of A Wonder.

J. H. BECKER, NEWTON, KANSAS

## WE PAY THE EXPRESS

Over 900 weaned pigs, Polands and Durocs.  
\$12.00 Each, IMMUNED  
Guaranteed to never have Cholera.  
Guaranteed to please or money back.  
Osark Hog Ranch Co., 610 Olive, St. Louis, Mo.

## Erhart's Big Type Polands

A few choice late fall males sired by  
Orphan Big Gun and Big Hadley Jr. Also a  
few late October pigs by the great 1200  
pound Robidoux. Am now booking orders  
for spring pigs by these boars to be shipped  
in June. Send your order early. Address  
A. J. Erhart & Sons, Ness City, Kan.

## BERKSHIRES

**Hazlewood's Berkshires**  
Spring boars, bred gilts—immune: priced to sell.  
W. O. HAZLEWOOD, WICHITA, KANS.

## High-Class Berkshires

Winter and spring pigs of either sex and  
outstanding boars a specialty. Write  
J. T. BAYER, YATES CENTER, KANSAS

Big Type Unpampered  
BERKSHIRES

Cholera Immune. 150 sows bred to Fair Rival  
10th, King's 4th Masterpiece, Truetime, King's True-  
type, and the great show boar King's 10th Master-  
piece. All long, large and heavy boned. Sows farrow  
every week from March 1 to Dec. 1. 80 bred sows  
and gilts to farrow soon. Open gilts and boars ready  
for service. Not a poor back or foot. Every man his  
money's worth. E. O. KING, Burlington, Kansas.

Sutton Farm  
Berkshires

## The Greatest Winners of 1914

Winning at the five leading state fairs,  
Missouri, (inter-state) Iowa, Nebraska,  
Kansas and Oklahoma where are held  
the largest swine shows in the world—  
over 100 Championships, firsts and sec-  
onds, including Grand Champion Boar  
Prize at each show on the 1000-pound  
DUKE'S BACON.

Herd headers, foundation stock and  
show yard material our specialty.

**Sutton Farm, Lawrence, Kans.**

## DUROCS \$10

Rose Comb Rhode Island Reds  
NORTH CATTLE. Shipping points: Conway, McPherson, Woodbury.



## Percheron Stallion

SAMMA SETTER 4000 lb.  
black 17 years old  
pure breeding, sound,  
priced to sell.  
T. M. WILSON, LEBANON, KANSAS.

## DUROC-JERSEYS.

**Duroc Boars and Gilts** September farrow \$20 each  
Boar and gilt sale Nov. 10  
J. B. Duncan, Flush, Mo. (Shipping Point, St. George, Mo.)

**DUROCS** 300 FALL and SPRING  
PIGS, both sex. Priced  
for quick sale. ALEX C. HILL, Hope, Kansas

## Ash Grove Durocs

Choice September boars and gilts; booking orders  
for spring pigs at \$5 and \$8 each at weaning time.  
PAUL SWEENEY, BUCKLIN, KANSAS

## TRUMBO'S DUROCS

Choice pigs, bred or open, sired by The Climax, by Climax  
A, east of the great sow, Doty; also a few fall boars. Spring  
pigs pairs and trios unrelated, priced reasonable, and satis-  
faction guaranteed. Wesley W. Trumbo, Prebody, Ka.

## Rice County Herd Durocs

U Need a Boar—Better Buy Him Now.  
Four fine July boars, 30 fine fall boars and gilts, sired by  
Good E Nuff's Chief Col., Otey's Dream and from sows of  
equal quality and best of breeding. Prices right. Herd im-  
mune. G. M. SHEPHERD, LYONS, KANSAS

## Walnut Grove Durocs

One herd boar, also several other boars. Spring  
pigs, either sex; also booking orders for bred sows.  
The Man with the Guarantee. R. C. Watson, Almo, Kan.

## DUROCS OF SIZE AND QUALITY

CHOOSE FALL BOARS READY FOR SERVICE  
Bred sows and gilts; also weanling pigs,  
priced for quick sale. Best of breeding.  
JOHN A. REED, LYONS, KANSAS

## Huston's Durocs

Special prices on 15 nice fall boars, the tops of our fall litters,  
sired by Country Gentleman 19241 and Golden Model 4th,  
19241. W. R. Huston, American, Ka.  
Write today.

## BONNIE VIEW STOCK FARM

Spring pigs for sale, sired by Tat-A-Walla, Kan's  
Model Enough and A Critic; also three registered  
Holstein bulls, 6 months to 3 years old.  
SEARLE & COTTE, BERRYTON, KANSAS

## WOODDELL'S DUROCS

Herd headed by Rex E. Nuff by Good E Nuff Again  
King and brother to Otey's Dream. Spring boars and  
gilts priced reasonable. Satisfaction guaranteed.  
G. B. WOODDELL, WINFIELD, KANSAS

## Duroc-Jerseys!

100 spring pigs \$10.  
Gilts with litters \$40.  
Johnson Workman, Russell, Kan.

## Howe's Durocs

Sows and gilts strong in the best blood of the  
breed and bred to my good herd boars. I am now  
ready to book orders for early spring pigs, pairs and  
trios unrelated. Priced where you will buy and be  
pleased. J. U. HOWE, Route 2, Wichita, Kansas.

## Hillcrest Farm Durocs

30 October boars and gilts for sale. Also  
spring pigs, both sexes at weaning time.  
Popular breeding and popular prices.  
Give me a trial order.  
DR. E. N. FARNHAM, HOPE, KAN.  
(Dickinson Co.)

Bancroft's Durocs  
Immune

We hold no public sales. Nothing but the best offered  
as breeding stock. Choice fall boars. Spring pigs at  
weaning time. Pairs and trios not related. Customers in  
13 states satisfied. Describe what you want, we have it.  
D. O. BANCROFT, OSBORNE, KANSAS

## Duroc-Jersey Fall Boars

We have six fall boars and three spring  
yearling boars, by Revolver and Perfect  
Climax and out of our best herd sows,  
for sale.  
Write for prices and descriptions.  
Howell Bros., Herkimer, Kansas

## Maplewood Farm Durocs

We offer 40 bred sows at attractive  
prices. Big, well grown spring gilts.  
Best of breeding. Address,  
MOTT & SEABORN, HERINGTON, KANSAS

Baby boars 610 February and March farrow, sired by Bell the Boy,  
the undefeated first prize winner at Kan. State, Tenn. State, and  
interstate fairs, in 1914. This is the biggest bodied boar we have  
ever used and a strong sire. A few fall gilts bred to Bell the Boy,  
for 1915. All stock immune. Any boar not satisfactory can be  
returned by paying express one way. Call and see our big and beau-  
tiful farm. Half section leased, hog tight with two big breeding  
herds, modern equipment and up to date watering system.  
Bred from prize winners. 20 incubators and 1 colony brood  
or stores. 1000 young birds. Also many other quality.  
R. W. BALOWIN, CONWAY, KAN.



## MULE FOOT HOGS.

**Mule Foot Hogs** Stock of all kinds for sale. More premiums won in 1912, 13 and '14 than any herd in the U. S. Write your wants. ZENE G. HADLEY, Wilmington, O.

**Registered Mule Foot Hogs** Large, growthy kind. Some choice stock for sale. Write for prices and particulars. Freeland & Hildwine, Marion, Kan.

## HAMPSHIRE.

**REGISTERED HAMPSHIRE** 180 gilts and boars, all ages. Choicest immatures. Description guaranteed. C. E. LOWRY Oxford, Kan.

**Registered Hampshires** Weanling pigs \$10 each; pairs not related. Satisfaction guaranteed. F. B. Wempe, Frankfort, Kan.

**C. T. Drumm & Sons, Longford, Kan.** Breeders of Hampshires, Herefords, Spotted Poles. 4 Nov. Hampshire boars, \$15 each. Spring pigs, both sexes and breeds. 1 yr. bull. Address as above.

## Shaw's Hampshires

Boars ready for service. Spring pigs, either sex. Pairs and trios at reduced prices. All nicely bred. Satisfaction guaranteed. WALTER SHAW, R. 6, Wichita, Kan.

**HAMPSHIRE** Best of blood lines, well marked pigs, pairs or trios, with young boar to mate gilts. Breeding stock at all times for sale. Satisfaction guaranteed. S. E. SMITH, LYONS, KANSAS.

**IMMUNE HAMPSHIRE** Boars, bred gilts, tried sows and weanlings. Cut prices for 30 days. DR. E. G. L. HARBOUR, Baldwin, Kan.

**For Hampshire Hogs, Dutch Belted Cattle, Arab Stallion** COLLIE DOGS AND GEESE FEATHERS. WRITE C. W. WEISENBAUM, ALTAMONT, KANSAS.

**Prairie Slope Hampshire Farm** Pure bred, well-bred sows and gilts for sale; will farrow in April and May. Also herd boar and several spring boars, all well marked and good blood. Write for information; satisfaction guaranteed. E. G. BURT, Eureka, Kansas.

## O. I. C. HOGS.

**Herd Boar For Sale** Gilts to farrow in July and open. Pigs, pairs and trios. A. G. Cook, Luray, Kan.

## O. I. C. BRED SOWS and GILTS

A few tried sows and gilts bred for summer farrow; boars ready for service, pairs and trios not related. Best I ever offered. Very reasonable prices. JOHN E. NEEF, BOONVILLE, MISSOURI

## TURNER'S CHESTER WHITES

June Piles: 250 spring pigs, white and growthy. White Rock and Chief Select breeding. \$15 each. Pairs \$25. Trios \$35. Buy early and save on express. One of the largest and best herds in the west. Amos Turner, Wilber, Saline Co., Neb.

## O. I. C. Private Sale!

70 March and April pigs at \$15 each. Choice Sept. boars \$15 to \$25 each. Sept. gilts bred to your order. Write for further information. CHAS. N. SNYDER, Effingham, Kan. (Atchison County)

## Choice O. I. C. Pigs

## AT REDUCED PRICES.

Spring pigs, \$12 each, \$23 per pair; \$35 per trio. Bred gilts, \$20 to \$25 each. Have spring boars, no kin to gilts or their pigs. Bred sows, \$30 to \$35. My herd carries prize winning blood and represents the most popular strains in the country. Each individual guaranteed to satisfy. F. J. GREINER, BILLINGS, MISSOURI

## RED POLLED CATTLE.

**FOSTER'S RED POLLED CATTLE** Write for prices on breeding cattle. C. E. FOSTER, R. R. 4, Eldorado, Kansas.

## RED POLLED CATTLE

**BEST OF BLOOD LINES** and cattle that will please you. Cows, heifers and young bulls, at attractive prices. I. W. POULTON, MEDORA, KAN.

## POLLED DURHAMS.

**Double Standard Polled DURHAMS** Six yearling bulls. A number of under yearling bulls. 2 good French draft stallions and some jacks. C. M. HOWARD, Hammond, Ks.

## ABERDEEN-ANGUS.

**Aberdeen Angus Cattle** Herd headed by Louis of View-point 4th. 150624, half brother to the Champion cow of America. Johnson Workman, Russell, Kan.

## ABERDEEN-ANGUS CATTLE

Young stock sired by reliable herd bulls for sale, singly or in car lots. See our herd of cows and show herd at Lawrence or write us. Phone, Bell 8454. Sutton & Porteous, Route 6, Lawrence, Kan.

When writing to advertisers please mention the Farmers Mail and Breeze.

## N. Missouri, Iowa and Illinois

BY ED. R. DORSEY.

## Noted Poland China Herd.

J. O. James of Braddyville, Ia., has been in the "king row" of Iowa's best Poland China breeders for many years. Pawnee Lad had much to do with building up this reputation. This good hog is known to be one of the best ever in Iowa. Following Pawnee Lad was Big Orange, that had a national reputation among Poland China breeders. Next came Ott's Big Orange, bred by Mr. James, a son of Big Orange, and out of a daughter of Pawnee Lad. He is one of the best hogs in Iowa and now heads this herd, assisted by Giant Nelson, by Pawnee Nelson, by Pawnee Lad, out of a daughter of W. S. Major. For two years Iowa's King assisted Ott's Big Orange. This good hog died a few weeks ago, but he has now a great many fine pigs on the farm. At a recent sale 28 of his pigs averaged \$105 a head. This spring's pigs by him are out of daughters by Ott's Big Orange, Big Orange, and Pawnee Lad. No better nor more up-to-date breeding can be produced. Mr. James also has a number of pigs by Smooth Big Bone, grand champion of Iowa in 1914, and Big Orange 2nd. On September 28 he will hold his annual fall sale.—Advertisement.

## Nebraska

BY JESSE R. JOHNSON.

## Nelson &amp; Sons' Purebred Stock.

Near the town of Malcolm, Neb., are located the purebred stock breeding farms of S. A. Nelson & Sons. A section and a half of farming and grazing lands is devoted to the business of producing registered Shorthorns and strictly big type Poland China swine. The Nelsons buy the best. The most recent addition to the cattle herd is a cow costing nearly \$1,000. The Poland Chinas now number about 200 head, headed by the two big boars, Long King's Model, a son of Long King, and Mable's Big Wonder, a son of the noted Iowa boar Mable's Wonder. They bought the top at the Tom Miller bred sow sale last winter. She cost \$200 and is a daughter of the great McGath's Jumbo. Nelson & Sons ask us to claim February 11 as the date for their annual bred sow sale.—Advertisement.

## S. E. Kan., S. Mo. and E. Okla.

BY C. H. HAY.

P. L. Ware & Son of Paola, Kan., have shipped another promising young boar to head another good Kansas herd. Mr. Brown of Perry was the purchaser. Throughout the states of Kansas and Missouri are a number of herds headed by fine big boars from the Ware herd. Their great boar, Miami Chief, wins the admiration of all who see him.—Advertisement.

## Double Standard Polled Durhams.

C. M. Howard of Hammond, Kan., is perhaps the state's most extensive Double Standard Polled Durham breeder. He is also a very extensive feeder. Mr. Howard is an expert judge of beef cattle and those he selects for breeding stock are the very best. He has for sale at present a few yearling bulls and a number of under yearlings. See Mr. Howard's ad and write him if you can use a good bull.—Advertisement.

## Harbour's Hampshire Hogs.

Dr. E. G. L. Harbour of Baldwin, Kan., breeds both Hampshire and Mule Foot hogs. At present he is advertising Hampshires in Farmers Mail and Breeze. The offering includes boars, ready for service, gilts, bred or open, and weanling pigs. These hogs are well bred and nicely developed. Interested readers should write Dr. Harbour for further particulars. Please mention Farmers Mail and Breeze.—Advertisement.

## Publisher's News Notes

## Hastings Business College.

One of the practical business schools is at Hastings, Neb. It draws its students from the small towns and farms, and the aim is to give them a training for business in a reasonable time. The rates for tuition are very reasonable, and living expenses in Hastings are not excessive. This school has helped to positions of some importance a number of its graduates during the last few years, and its steady growth indicates that it is doing the right kind of work. Readers of this paper who are interested in commercial training should write at once for catalog.—Advertisement.

## Navel Infection

I should like to know the cause of navel infection, now affecting my colts. Please give me a remedy. G. A. F. R. 1, Barnard, Kan.

In our experience the application of a 10 per cent solution of formaldehyde to the navel immediately after birth, being applied with a piece of cotton and held in position for 10 or 15 minutes will cause the navel to dry up and there will be no trouble from navel ill or joint disease. Instead of using formaldehyde, which has the objection of being painful, you might dust the navel string every half hour for a period of three hours, or until the navel string dries up, with a dusting powder consisting of the following ingredients in equal parts:

Powdered alum.  
Powdered starch.  
Powdered boric acid.  
Powdered charcoal.  
Powdered gum camphor.

Carelessness is more dangerous than disease in the poultry yard.

Have you tested your cow for tuberculosis?

## HEREFORDS.

Registered horned and double standard polled **Hereford Bulls For Sale** Also a few horned heifers. JOHN M. LEWIS, LARNED, KANS.

## Homestead Stock Farm

We have a few extra fine Hereford Bulls for sale and twenty cows. Get our herd catalog. J. J. EARLY, Box H-186, Baring, Mo.



## 50 Hereford Bulls

Yearlings and two herdheads, farm and range bulls, strong and rugged 20 yearling heifers, a carload of cows some with calves, others bred.

**SAM DRYBREAD**  
ELK CITY KANSAS

## GALLOWAYS.

## CAPITAL VIEW GALLOWAYS

Bulls from 6 months to 2 years; also a few females of modern and quick maturing type.

**G. E. Clark, Topeka, Kan.**



## Registered Galloways

25 bulls ready for service. 30 females all ages. The blood of the 2500 pound Carnot. W. W. DUNHAM, Doniphan, (Hall County) Nebraska

## 50 Galloway Bulls

## SMOKY HILL RANCH

Yearling and two years old. Best of breeding and a grand lot of individuals. Write for prices and descriptions. **E. J. CUILBERT, Wallace, Kans.** MAIN LINE UNION PACIFIC

## SHORTHORNS.

**Shorthorn Bulls For Sale!** 1 two-yr-old, 4 yearlings and 1 long yearling. Reds and roans. L. M. Noffsinger, Osborne, Kan.

## Pure Bred Dairy Shorthorns

Double Marys (Flat Creek strain) and Rose of Sharon families. Registered Poland Chinas. Breeding stock for sale. Address R. M. ANDERSON, Beloit, Kansas

## SHORTHORNS

Herd bull, service bulls, bull calves and a few females. Prices reasonable. **KELLEY BROS., CARDNER, KANS.**

## Pearl Herd Shorthorns

Valiant 346162 and Marengo's Pearl 391962 in service on herd. Choice early spring bulls by Valiant for sale. Thriftiness and good prospects. Scotch and Scotch topped. Correspondence and inspection invited.

**C. W. Taylor**  
Abilene, Kansas

## DAIRY CATTLE.

**HOLSTEINS** Bull calves better than the common run. Two ready to use. H. B. COWLES, TOPEKA, KANSAS.

**REGISTERED HOLSTEINS** 1 yearling and one five months old bull, by Shadybrook Gerben Sir Kornadyke. Write for further information. BENSCHNEIDER, Nortonville, Kan.

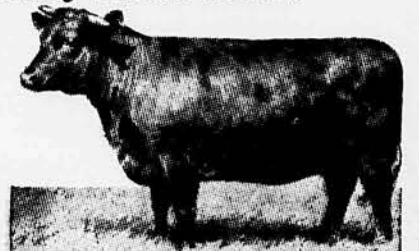


## HIGH GRADE and REGISTERED HOLSTEINS

OVER 100 HEAD OF COWS, HEIFERS AND BULLS.

The silo and dairy cow are here to stay. There is big money and sure profit in the dairy farm if you use the right kind of cows. The Holstein has proven her worth in the North and East and is sure to take the lead in the southwest. Visitors welcome; call or write today.

**Clyde Girod, Towanda, Kansas**

Reduction Sale of Shorthorns  
Come to Doyle Valley Stock Farm

## 175 Head of Shorthorns

50 HEAD MUST SELL IN 60 DAYS. Here is the Bargain Counter for the man who expects to start in the Shorthorn business. All kinds of Shorthorn Breeding Stock from which to select—Cows, Heifers and Bulls, cows with calf at side others due to calve soon. Included are grandsons and daughters of such sires as Avondale, Prince Olerie and other noted sires. If you want Shorthorns come now. Write, wire or phone me when to meet you at Peabody either Rock Island or Santa Fe Depot.

Yours for business,  
**M. S. CONVERSE, Peabody, Kansas**

## DAIRY CATTLE.

**HOLSTEIN BULLS—DUROC-JERSEYS** Holstein bulls, six months to 3 years old. Also fall gilts. Very reasonable prices. Bonnie View Stock Farm, Berryton, Kansas, or 1429 Topeka Ave., Topeka, Kansas.

## Maplehurst Guernseys!

Choice registered and grade cows and heifers for sale. A registered herd bull for sale or trade. A. P. BURDICK, NORTONVILLE, KANSAS

## LINSOTT JERSEYS

Premier Register of Merit Herd, Est. 1878. For sale at farmers prices noted Golden Fern, herd bull of proven quality. Greatest official butter tests. R. J. LINSOTT, HOLTON, KANSAS

## SUNFLOWER HERD HOLSTEIN-FRIESIANS

Young service bulls and bull calves from A. R. O. dams at prices never before offered. F. J. Searle, Oskaloosa, Kan.

**HOLSTEIN CATTLE** All females and serviceable bulls sold. Have nothing to offer now but bull calves from a few weeks to four months old. The calves are from good producing dams, some giving as much as 70 pounds T. M. EWING, Independence, Kan.

## Higginbotham's Holsteins

A few choice registered young bulls for sale at prices that are right. HIGGINBOTHAM BROS., ROSSVILLE, KAN.

## TREDICO HOLSTEINS!

Registered Herd each individual will make 8000 pounds as 2-year-old or equivalent. Head of herd has nearest 7 dams that average 22 3/4 pounds butter in 7 days. Bull calves to sell that are right. GEO. C. TREDICK, KINGMAN, KANSAS

## JERSEY COWS 300 Head For Sale

I will sell my whole herd of good young Jersey milch cows from registered bulls, in any number from one to all hands. All cows now bred, will drop calves from my six registered bulls. These cows are bred for milk. I will also sell from one to one hundred head of spring calves from these cows by registered bulls. This stock can be seen at my ranch, 8 1/2 miles south of Lakin, Kan. Call or write me. F. P. McALISTER, LAKIN, KANSAS

## PURE BRED HOLSTEINS

Herd headed by Sir Julianna Grace DeKol. Dam, semi-official record one year, milk 22,087 pounds, butter 924 pounds. Sire's dam, semi-official record, one year as three year old, butter 1,026 pounds; three years consecutive 3,000 pounds. Bull calves for sale.

**SHULTIS, ROBINSON & SHULTZ,**  
Independence Kan.

## Barrymore Farm Guernseys

Three Young Registered Bulls for sale, carrying the blood of Raymond of the Free, Glenwood Boy of Haddon, Mashers Sequel. Out of dams of exceptional breeding. Write for prices and pedigrees.

**T. W. BRADLEY, R. F. D. 3, Parkville, Mo.**

## GUERNSEYS

**SOLD OUT** Will have some choice young males and females to offer about August 1, 1915. A cordial invitation is extended to anyone wishing to visit the farm.

**OVERLAND GUERNSEY FARM,**  
OVERLAND PARK, KANSAS  
8 miles from Kansas City on the Strong Electric Line.



[illegible]

**You don't have to take any man's word about the mileage given by our challenge "Chain Tread" Tires.**

**Let "Chain Tread" Tires stand or fall on the record you keep.**

Safety experts acknowledge our rubber chain tread, built on this powerful modern tire, to be an absolutely marvelous anti-skid device.

***"Chain Tread" Tires are sold by Leading Reliable Dealers. Do not accept substitutes***

