

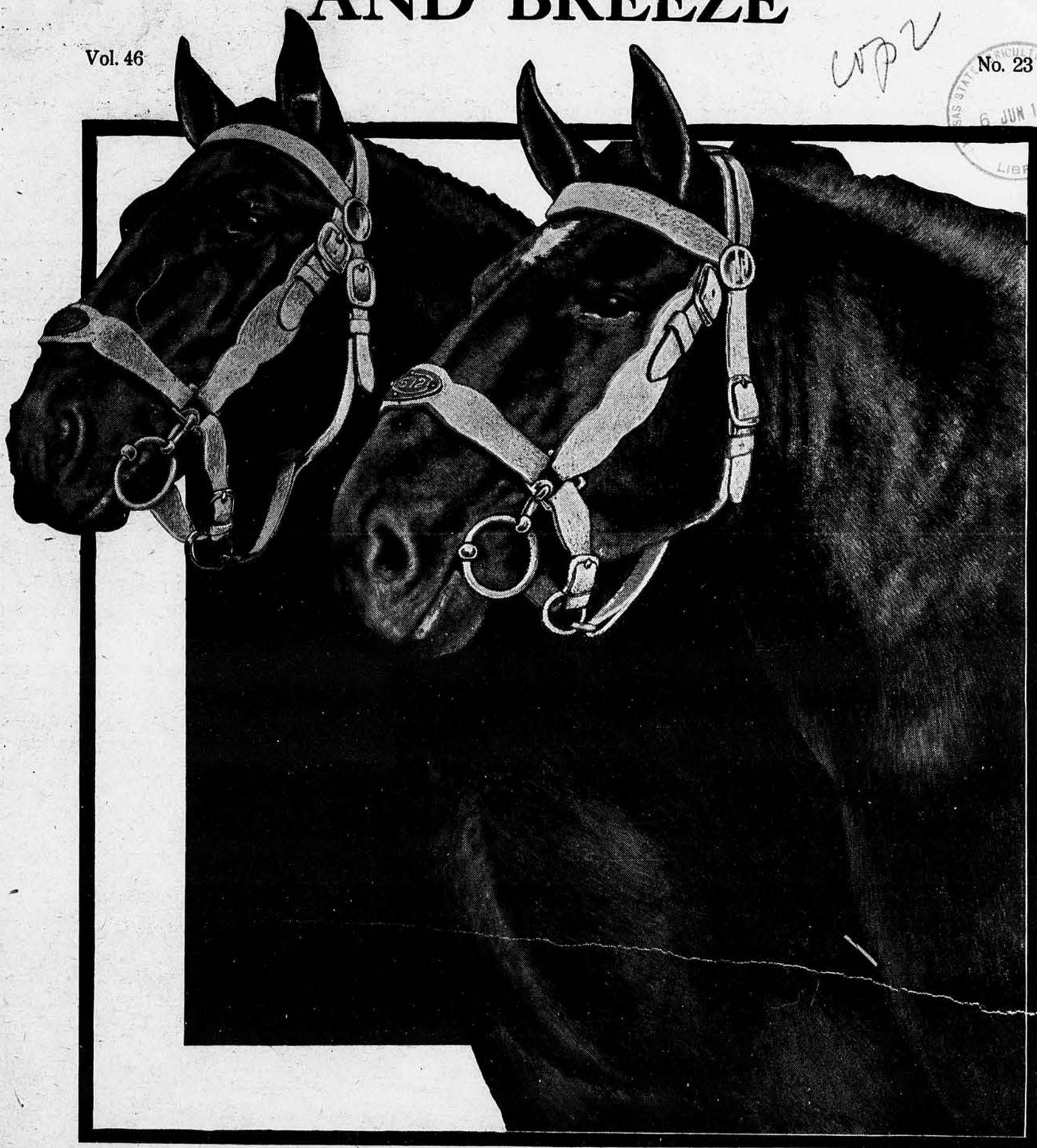
Thirty-Two Pages

June 3, 1916

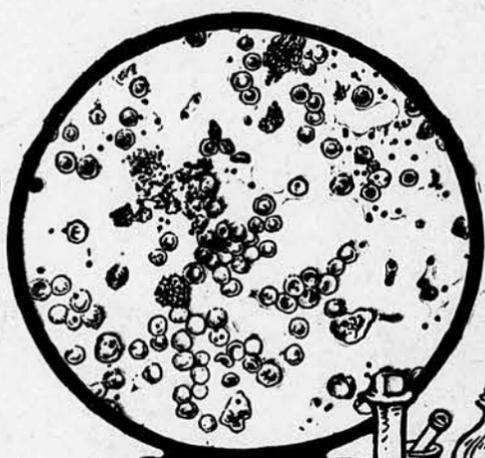
# The FARMERS MAIL AND BREEZE

Vol. 46

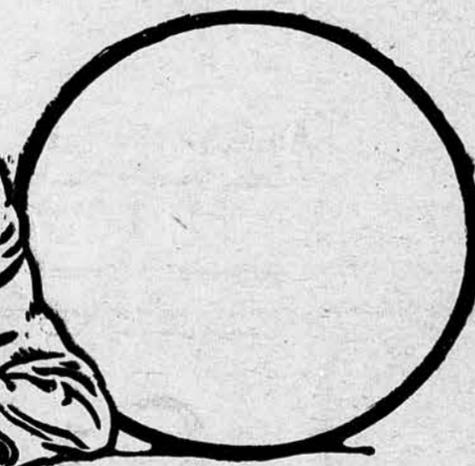
*W.P. 2*



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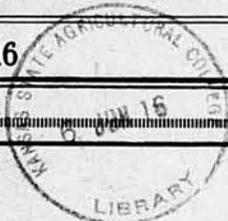
An Agricultural and Family Journal for the People of the Great West



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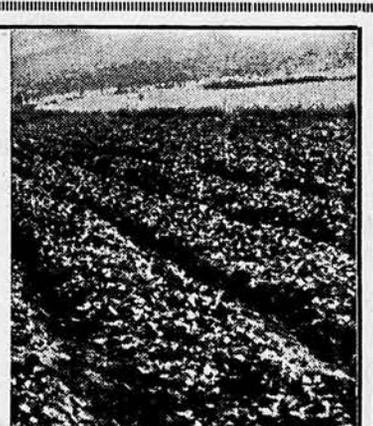
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## On 73 Acres

### Harry Huff Does Intensive Farming—Sells by Mail Order

BY V. V. DETWILER



**F**OUR acres of strawberries are bearing this year for Harry A. Huff, at Chapman, Kan. The vines were loaded with berries when I visited the Huff farm in May. Rain was needed badly the day I was there, but the next day the ground was wet thoroly, and the berries rapidly developed. By this time there are 30 or 40 pickers at work in his patch.

Harry Huff is a young fellow who has tried his hand at other lines of work, and returned to farming because he believes it is a good place to make money. He lives on the home farm now and rents 73 acres, part of it from his father. He has 50 acres in wheat, 8 acres in watermelons, 6 acres in strawberries, 6 acres in sweet potatoes, 2 acres in cantaloupes, 1/2 acre in horseradish, and 1/2 acre in raspberries and blackberries. In addition to all of this intensive farming, he is caring for 95 stands of bees.

A great deal of the produce that Huff grows is marketed direct to the consumer. He ships strawberries both by express and parcel post. He received orders for about \$30 worth to go by parcel post, the day I visited him. The marketing of crops such as these requires a good business head, if you are not near a city market. Huff is making good at it, and proving that it is possible to sell large amounts by mail, to other farmers and to residents of small towns.

A large crop of sweet potatoes was grown last year. Harry had more than 1,000 bushels, and his father had 400 bushels or more. All of these were sold at from 60 cents to \$1 a bushel.

Huff is a member of the Sands Springs Melon Growers and Produce association. This was organized in the spring of 1913, with a capital stock of \$5,000, and a membership of 100. The melon crop was almost a failure the first year, and the association did not have a chance to do much marketing. The next year an immense crop was grown. The association sold 154 cars of melons for more than \$10,000. A great many acres of melons rotted on the vines that year, for growers who were not members of a marketing association.

"We have had to contend with a lot of men who did not join the association, and who have done everything in their power to break it up," said Huff. "These men have offered a higher price to men who belong to the association than the association was getting. After buying one or two loads they have told that the association was robbing its members. One year they even got one of their men on the board of directors so that they could get information as to what the association was doing. Then, too, some men would not stick to the association. As an example: a member had some produce to sell, and the association offered him a good price. He sold one lot at that price, and then he wrote to the company that was buying and offered to sell direct for 10 per cent less than the association was getting. The company accepted his offer, and he re-

ceived the same price for his produce that he would have thru the association. Some of the members have the idea that the association is something for them to sell their surplus produce to, and that they are not to go to any trouble to help keep it going. They do not realize that it is their association, and that it depends on them to keep it running. A lot of them do not give it credit for what it has done, and are growling because it does not do more. I believe that some of the members will be dropped out in the next year or two, and the rest of them will back the association for all they are worth. We growers cannot get along without it."

One of the most profitable sidelines for the farm is bee keeping, Huff believes. If they are given proper care, he finds that they will produce a good crop of honey almost every year. He believes in giving the bees plenty of room for brood frames, and in this way keeps most of his stands from swarming.

Alfalfa makes honey that in the opinion of many persons is the best of the season. Fields that are cut for hay do not supply a great deal of pasture for the bees. They are cut too soon after the bloom begins to appear. Huff expects to get a lot of alfalfa honey this year, because a great many alfalfa fields in his part of Dickinson county will be allowed to produce a crop of seed.

It takes quite a lot of time to care

for 95 stands of bees, but satisfactory results cannot be obtained if they are neglected. Honey is a convenient product to sell, Huff points out, because it may be kept easily and sold when the demand is good, and there is time to look for a market.

Harry Huff was reared on a farm. His father, A. J. Huff, is much interested in the 4 acres of strawberries, but he says that he prefers to make his money with alfalfa, corn and cattle. He usually has out about 50 acres of corn, a great deal of which is sold as grain. He has 25 acres in alfalfa, and none of the hay is sold. He raises cattle to eat the hay, and usually feeds about 30. He has some excellent sweet potato ground on his farm, however, and sometimes he plants that crop to the tune of several acres.



It always has been the policy on the Huff farm to do a day's work in the fields, and then quit. Supper time is 6 o'clock, or a few minutes after, and the boys are expected to be in from the fields and ready for it. The young folks have a well made tennis court, and time in the evening to enjoy it.

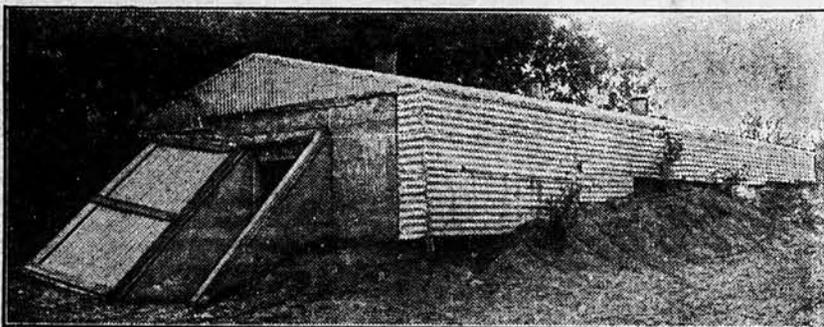
The Huffs have found this sort of arrangement much more satisfactory than long grinding days in the fields, with no time for recreation. A healthy young fellow can do a great deal of work in 9 or 10 hours, if he knows that there is a play time coming. One of the points of interest on the

Huff place is the cave for storing sweet potatoes. About half of the wall space is above the surface of the ground. The walls are 12 inches thick. A concrete wall was made first. Sheet iron was then put on the outside, leaving several inches of air space between the cement and the iron. The space was filled with dirt. The roof is concrete, covered with straw, and the straw covered with sheet iron. Good ventilation is provided for, and a stove occupies an open space near the door. Very little fire is necessary to keep the place warm enough for the sweet potatoes in the cold winter weather. The Huffs have been very successful in keeping their sweet potatoes. They stored 1500 bushels on shelves in this cave last year, and only a small amount spoiled.

A chapter of the Grange was organized at Chapman a few months ago, and all of the Huff family are greatly interested in it. A few live members, like Harry Huff, are working out cooperative stunts to make and save money for the members. The Grange has bought a few things, such as seed potatoes, binding twine, and salt, and they plan to ship in a car load of peaches for their own use this fall. The frost killed almost all of the peach buds in Dickinson county this year. There are enough members in the Grange at Chapman to use most of a car of peaches and it will be very easy for them to find sale for any that may be left.

A plan for helping the women of the Grange make more money from their chickens, was explained to me by Huff. The idea is to organize the women of the Grange into an association to sell purebred poultry. Every woman can keep the breed of chickens she prefers. Eggs for setting and breeding stock will be sold thru the Grange. The Grange will hire a poultry judge once a year to help the women cull out their poor birds, and to score a number of the best birds for every breeder. The association would advertise eggs and breeding stock simply mentioning all of the breeds kept by the members. As the association would be representing at least 12 or 15 owners of poultry flocks, it could do a lot of advertising without great expense to any one person.

It isn't everyone that would wish to do the kind of farming that Huff has taken up. He has proved, however, that one can do intensive farming successfully without living near a city. If you count out his 50 acres of wheat, he has only 23 acres in cultivation, but he finds it necessary to hire from one to 40 persons to help care for it. He keeps a man at work all thru the growing season, and for the comparatively short time when the berries are being picked he has to hire a large number of pickers. A great deal of his own time must be given to finding good markets for his products. He has something to sell at almost any time of the year. One thing that should increase his income a great deal this summer and next spring, is everbearing strawberry plants.



The Cave for Storing Sweet Potatoes on the Huff Farm. It Holds about 1,500 Bushels, and was Filled to Capacity Last Year.

**DEPARTMENT EDITORS**  
 Field Editor.....F. B. Nichols  
 Farm Doings.....Harley Hatch  
 Poultry.....G. D. McClaskey

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# The Farmers Mail and Breeze

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ARTHUR CAPPER, Publisher. T. A. McNEAL, Editor.  
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## Passing Comment--By T. A. McNeal

### Opposed to Conservation

I am in receipt of a letter from Dr. C. E. Yates of Vinland, Kan., in opposition to the conservation policy advocated by Gifford Pinchot and others, which was originated under the administration of President Roosevelt. The letter is too long to publish in full. Dr. Yates lived for several years in one of the largest forest reserves in the United States, and says that he has given the question a great deal of study.

Summed up briefly his objections to the conservation policy advocated by Pinchot are that it tends to check individual enterprise and prevents the development of the country. Second, that it works in favor of the capitalists and against the poor settlers. He says that there is no chance for a poor man to get a living from the vast timber resources of the Northwest unless he makes it as the hired servant of some lumber corporation. He calls attention to the fact that the government sells timber tracts in large areas, and requires that the bids be accompanied by certified checks for thousands of dollars.

As to the water power of the country Dr. Yates is of the opinion that the Roosevelt-Pinchot plan is in the interest of the large capitalists. He would leave the matter open so that every man may erect a power plant on his own homestead.

After having read the doctor's letter with considerable care I am not able to agree with his conclusions. It may be that our present conservation policy is very faulty, but I am still of the opinion that such natural resources as our vast undeveloped water powers, should be developed in the interest of the whole people. Of course the homesteader may develop a small water power on some stream which runs thru his land and I do not understand that under any conservation plan so far suggested, the government would interfere with him in doing that, but the great water powers are going to be developed in just one of two ways: either by great corporations or by the government itself. Now, it may be better that they be developed by private corporations altho I am inclined strongly to the plan of government development; but in case they are developed by private corporations then the government should collect reasonable rental for the use of the water powers and should retain the right to take the plants over after a certain period, and also the right to regulate the rates to be charged by the water power corporation.

As to the forest reserves, I do not know a great deal about them. It may be that they are handled in the interest of the great lumber companies. If so that is of course a grave fault on the part of the law and the government officials who administer it. I spent several days last summer on a government forest reserve. This one fact impressed me. Whoever cut timber from this reserve was compelled to clean up the brush. The young trees were being protected, which was very different from what I found in the Michigan forests where no care was taken of the brush, and fires frequently swept over stump districts destroying the young timber. My observation of this forest reserve was of course brief and limited in area, but the way it was being taken care of impressed me with the notion that forest conservation was a pretty good thing. The forest rangers, so far as I could learn about them, were doing their best to take care of the vast stretches of forest lands under their care. I feel sure they prevented a great many destructive forest fires, and kept young timber from being wantonly destroyed. On the whole I think our forest conservation policy has been a good thing. Of course I may be mistaken.

### The Farm Loan Bill

I am in receipt of the amended farm loan bill which seems likely to become a law, and which is, therefore, of a great deal of interest to the farmers of Kansas and other states. The bill proposes to establish a farm loan board composed of three members to be appointed by the President, not more than two of whom shall belong to the same political party. The members of this farm loan board will receive annual salaries of \$7,500 each. One member of the board shall be appointed to serve three years, one six years and one nine years. Their successors shall be appointed to serve nine years. No member of the board shall be an officer or director of any bank or farm mortgage company. This board shall

appoint a farm loan registrar in each land bank district to receive applications for issues of farm loan bonds. The board will also be authorized to employ such attorneys, experts, assistants, clerks, laborers and other employes as it may deem necessary to conduct the business of the board. The farm loan board will be required to divide the continental United States, including Alaska, into 12 districts which will be known as federal land bank districts. In each of these districts the board shall establish a federal land bank with a capital stock of not less than 1/4 million dollars. Each federal land bank will have nine directors, six to be selected by the farm loan associations and three to be appointed by the farm loan board.

The capital stock of each federal land bank shall be divided into shares of \$5 each, and may be subscribed for by any individual firm or corporation or by the government of any state or of the United States. If at the expiration of 90 days after the organization of any federal land bank the minimum of 1/4 million dollars has not been subscribed, the government of the United States will subscribe for the stock remaining unsubscribed.

The bill then provides for the organizing of national farm loan associations composed of 10 or more persons who are the owners or about to become owners of farm land qualified as security for a mortgage loan under the provisions of the act. When one of these farm loan associations shall desire to get for any member a loan on first mortgage from the federal land bank it must first subscribe for capital stock of the land bank to the amount of 5 per cent of the loan and such subscription must be paid in cash upon the granting of the loan. This stock is held as collateral security by the federal land bank. Before borrowing money from the federal land bank the farm loan association must file an affidavit with a report showing that each of the subscribers to the farm loan association is, or is about to become the owner of farm land qualified as the basis of a farm mortgage loan and that the loan desired by each subscriber is not more than \$10,000 nor less than \$100, and that the aggregate of loans desired by the members of the farm loan association is not less than \$20,000.

Any person who desires a loan thru a farm loan association shall subscribe for shares of stock in such association to an amount equal to 5 per cent of the face of the desired loan, said subscription to be paid upon the granting of the loan. Loans shall not be made for more than 60 per cent of the appraised value of the land and 20 per cent of the appraised value of the permanent improvements thereon. The rate of interest on the loans will consist of the interest on the federal land bank bonds plus a charge of not to exceed 1 per cent a year to cover the expenses of administration; these two not to exceed 6 per cent. In addition an amortization fee will be charged sufficient to pay off the principal of the loan within a period of from five to 36 years. No loan shall be made to any borrower in excess of \$10,000.

The bonds issued by the federal land loan banks will be in denominations ranging from \$20 to \$1,000. It may be said in passing that the plan of the land loan bill is almost exactly similar to the plan already in operation by the Kansas Rural Credit association. It is probable that in event the bill becomes a law the Kansas Rural Credit association will come under its provisions.

### Why Not Keep Sheep?

It is my opinion that at the present time there is no stock which can be raised with as much profit in Kansas as sheep. The wool crop from a flock of ewes should at present wool prices pay for all the expense of feeding and caring for the flock and even show a margin of profit, while the lamb crop should be clear gain. A good lamb at present prices is worth at six months six or seven dollars and the flock of ewes should, with proper care and management, produce nearly as many lambs as there are ewes.

Having been raised on a farm where sheep were the leading livestock and having been accustomed to feeding and caring for them from my childhood until I reached manhood, I think I know what a farmer who understands the sheep business ought to be able to do with a moderate sized flock. I will say, however, that the man who does not like to take care of sheep and is not willing to give them a good deal of care and attention, had probably

better keep out of the business, because there are times when the flock master or the one who cares for the sheep must make up his mind to stay with them nearly day and night. In lambing time he should be right on his job sometimes for nearly 24 hours a day. Most of the time, however, sheep are the easiest animals to take care of that are raised on the farm. And, considering the amount of capital invested, they should be the most profitable.

### The Name of the Hero

A brief editorial was printed here in the issue of May 6 on the subject of heroes. The purpose was to emphasize the fact that the most worthy heroes in the world are not those who achieve fame on fields of battle, but those who have risked and in many cases lost their lives trying to save their fellow men, rather than in trying to destroy them. Among the heroes of this sort was mentioned the young physician who lost his life in demonstrating his theory that the dread scourge, yellow fever, was communicated to human beings by a certain kind of mosquito. He proved the truth of his theory but sacrificed his own life in doing it. I mentioned the fact that while he was as brave a man as ever risked his life on battlefield and had rendered mankind a service of inestimable value, his name was so obscure that I was not able to recall it. Two weeks after the editorial appeared I received this letter from a banker-subscriber in Silverton, Colo.:

It may interest you to know that the young physician, Dr. Jesse W. Lazear, was my nephew. He came with me as my bookkeeper in a bank which I organized in Central City, Neb., in 1883. His inclination and talents adapted him for the life of a physician, however. After spending several years in Germany as a student of medicine he returned to this country and upon request of President McKinley began an investigation into the causes of the contagion of yellow fever in Cuba.

After numerous experiments, Doctor Lazear and another physician permitted themselves to be inoculated with the bite of the mosquito, which they declared transmitted the virus of the yellow fever germ. This experiment resulted in the death of Doctor Lazear within a week. The other physician recovered. The widow of Doctor Lazear and two children (one of whom, a boy was born four months after his father's death) now reside in Santa Barbara, Calif., and every month Uncle Sam sends the family as a pension for life, a check for \$125. The full account of this sad mission of these two physicians, has been published in book form.

Silverton, Colo. J. B. Lazear.

I am gratified to know that the government recognized the value of this young doctor's heroic sacrifice to the extent of making provision for his family, but I wish that the writer of the letter had thought to give the name of the other physician who seems to have been more fortunate, but who showed as great heroism as Doctor Lazear. I should like to do what little I can to perpetuate his name also.

### Durn the Bugs

If some way could be found for ridding the country of noxious bugs it would save literally hundreds of millions of dollars for the farmers of this country. But this would be true only if the speculator was not able to control the prices and reduce the amount received for the increased crop to a figure that would make it no more valuable in the aggregate than the small crop.

I visited, a week or two ago, what has always been considered the great wheat belt of Kansas. McPherson county has always ranked as one of the great wheat producing counties of the state. The Hessian fly has been hessioning at a great rate out there, and as a result my opinion is that the normal wheat crop of McPherson county will be cut in two this year. The infernal fly has been operating in several other good wheat counties. I visited Sumner county last week and rode by train and motor car through some of the finest lands of the beautiful and fertile Ninescah valley. There the Hessian fly does not seem to have operated to any considerable extent, but a worse pest, if possible, has been doing a lot of business. It has been some seven or eight years since the green bug made a raid on the wheat fields of Kansas. This year it is back with all its relatives and their friends. They would have

cleaned up the wheat in that fertile valley no doubt if the green bug had not preferred to feed on the young oats. During a ride of more than 30 miles by automobile, I do not think I saw a single good field of oats. Last year was a great year for oats, and as a result the farmers down in that part of the state were encouraged to sow this year a large acreage of oats. This seems to have pleased the green bug very much. What those pestiferous little insects have done to the oat crop is indeed a plenty. They have been so busy cleaning up the oat crop that some of the wheat has escaped and so far the corn which is coming on everywhere, and in that part of the state has been plowed once in most cases, has not suffered at all.

Here is a peculiarity. Neither in McPherson nor Sumner county, or in the state did I hear the chinch bug more than casually mentioned. Either it has not been in evidence or the Hessian fly and the green bug were doing so much greater damage that the chinch bug has been temporarily thrown in the shade, and shade, by the way, is bad for the chinch bug.

Another singular fact seems to have been discovered down in Sumner county, and that is that the green bug does not hanker for the soft wheat. Most of the wheat grown in Kansas 25 years ago was soft but the hard wheat proved to be much harder, and when millers learned how to treat it so much better for making flour the raising of soft wheat nearly ceased in Kansas. If that cursed little bug had happened along 25 years ago I have no doubt he wouldn't have bothered with the hard wheat at all, and would have given his entire attention to the soft variety.

The green bug is an insignificant looking insect about the size of a gnat and of a bright green. Considering its size it has the meanest disposition perhaps of any bug ever permitted to exist. When the car windows are open in the green bug season thousands of the insects will fly in thru the open windows and do what they can to make life miserable for the passengers. It is not so much what they eat off you that counts as the way they have of getting into your eyes and down the back of your neck inside of your shirt collar.

When the green bugs last visited this part of the Lord's heritage the bug department of the Kansas University undertook to stop the calamity. Professor Hunter believed that an antidote had been found for the green bug in the shape of a parasite which got after the little bugs and put the kibosh on their career. A number of highly educated and reputable parasites were turned out by the university but so far as I know they never did a great deal of harm to the green bug. Cold, moist weather, such as we had last spring and most of the present spring is just what the green bug wants. Hot, dry weather fixes him. The chinch bug revels in hot dry weather but sickens and dies in cool, wet weather. All the chemists of our higher schools should be putting in their spare time trying to discover a way by which the noxious bugs can be eradicated as the mosquitoes which carried the germs of yellow fever were eradicated in Cuba and other places.

### A Farmer and Socialism

I like to read the articles in *Passing Comment*. I take an interest in the articles on Socialism. While I think some of the Socialist doctrine is good I do not think it would all work. If a man works hard all the best days of his life and pays for a farm he is entitled to own that farm and in his old days to receive rent from it. I do not think that the fellow who spent all his money and worked only when he had to is entitled to anything the other fellow saved. The producing and distributing of all things necessary to life without profit would be fine if people would work that way but I fear we farmers would not work 14 to 16 hours a day. We should want to make it six or eight hours a day. Then we should have to have more farmers. Who would be the boss selected to pick out a few more farmers and tell them to go to work? We should need more miners and laborers in different lines and a lot of bosses to see that they all worked, for there are shirkers in every line.

I have eight in my family to support. Would I have to put in extra time working to support this large family or would their wants be supplied by the general public, so that I should not have to do more work than the man with no family to support? I live on a rented farm and am paying for 80 acres of my own. I am improving it and fertilizing it, but if it belonged to everybody I probably should not care whether it was improved and fertilized. I think, however, that the ownership of land should be limited. L. A. DAY, Hiawatha, Kan.

While this letter can scarcely be called an unanswerable argument it does touch on a difficulty, and I think, a weakness in the theory of Socialism. All writers and speakers advocating Socialism, so far as I have read or heard them, lay it down as one of the cardinal principles of Socialism that under it all profit will be abolished. At the same time they insist that they do not propose to abolish private enterprise. To me the two propositions are inconsistent with each other. I do not believe that it is possible to abolish profit without, at the same time, abolishing private enterprise. Now I do not believe that it is well to abolish private enterprise and for that reason I am not able to agree with the doctrine that all profit should be abolished.

On the other hand it seems to me that our present competitive system is so faulty that it must give way to a better system in the interest of progress and humanity. I believe that one of the duties of organized society is to even up to some extent the natural differences there are among men.

I was reared on a farm. We used to have work

horses of different sizes and different strength. When a team, made up of a large, powerful horse and a small and weaker horse was hitched to a plow we bored a hole in the doubletree nearer one end than the other and put the clevis pin thru this hole. Then we hitched the smaller horse to the long end of the doubletree and the big, powerful horse to the short end. That enabled the small horse to keep up his end. If the clevis had been in the middle of the doubletree the small horse would have been compelled to over-pull in order to keep up with the big horse, and if the plow was running deep that horse probably could not have pulled his half of the load.

That seemed like a perfectly natural and equitable arrangement to make. A better job of plowing was done, the big horse was not injured, and neither was the small horse. In our economic system, however, the plan pursued in the case of the two horses has been reversed. Those least able to pull the load are placed at a disadvantage; in other words the short end of the doubletree is given them.

Transportation rates cut a tremendous figure in business prosperity, and transportation rates are based on the theory of giving to the strong and taking from the weak. Some of the ranker evils of discrimination between individuals have been abated but the discrimination between localities still exists. These discriminations are based on the policy of charging what the traffic will bear, in other words helping the strong because they are able to help themselves, and soak the weak because they cannot help themselves. Under our present economic system certain private monopolies are permitted which I consider wrong. All things which in their very nature are and should be monopolies should be owned and operated by organized government either general or local. There are other things which, while not natural monopolies, should and in time will be operated by organized society. I might mention as one of the things of this kind, the lighting and heating of houses. In time this will be done from great central heating and lighting plants by electricity. Such a system of lighting and heating would be clean, comfortable and cheap. Society will also, in time, take over very largely the building of homes for working people. The slum is insanitary besides being unsightly and not conducive to the best morals.

Now all these things are called socialistic. Very well; names do not frighten me at all. I want to favor all the good things that I find in Socialism or in any other plan or philosophy intended for the public betterment.

### War With Mexico?

That question is asked me so often of late that I grow a trifle weary. I am of the opinion that we shall have war with Mexico. We have pursued a course which may have been the best we could follow under the circumstances, but whether thru any fault of ours or not, the result seems to be that we are nearer and nearer to intervention and war. If we were going into Mexico for a purely altruistic purpose the case would not be bad, but the forces which have pushed and are pushing us into intervention are purely selfish and cold blooded. The men who have insisted and continue to insist that the United States should have taken possession of Mexico long ago, care nothing for the Mexicans or their rights, but they want the opportunity to exploit the riches of Mexico in their own interest. We shall send an army into Mexico. I believe that is inevitable. In fact I do not believe the army already there will be withdrawn; more troops will be sent in, and war will follow.

Trying to look at the matter from the standpoint of the Carranza government, that government cannot do otherwise than to demand that our troops be withdrawn. Let us reverse conditions in our mind. Suppose that a band of outlaws had gone from the United States into Mexico, looted a town and killed a number of the Mexican inhabitants. To begin with I do not believe that this government would permit the Mexican army to come into our territory in pursuit of these outlaws; but assuming that such permission was given it is certain that we would not permit that army of Mexicans to remain here three or four months on the pretext that they were hunting for bandits. Of course it will be said in answer to this that we cannot compare the Carranza government to the government of the United States; that the Carranza government is not a responsible government and that it is unable to capture these Villa bandits. That probably is true, but we have recognized the Carranza government, and so long as it claims sovereignty over Mexico and that claim is recognized by our government it must refuse any other government the right to send troops into its territory to hold possession of the same.

Therefore the Carranza government must acknowledge that its claims to sovereignty are without foundation or it must assert them by demanding the withdrawal of the United States troops. This request will be denied. Perhaps it is better that it should be denied; but whether it is better or not in my opinion the interests demanding intervention are sufficiently powerful to prevent the withdrawal of the troops.

So we are getting nearer and nearer to intervention. It will cost us first and last a billion dollars and the loss of several thousand American lives. At that, if the right course is pursued, intervention may prove to be a benefit to the Mexicans and to humanity in general.

My fear is that the right course will not be pur-

sued. I think that great financial interests will get what they want. Concessions of untold value will be granted to them and a new crop of multimillionaires will come from Mexico. The condition of the peons will not be bettered. They will be left in poverty and ignorance, a dead weight and a menace to the republic. Believing this I am not enthusiastic about intervention in Mexico. The beneficiaries of such intervention, I fear, will be the apostles of greed, who will do none of the fighting or suffering but who will reap all the reward. In the name of patriotism thousands of young Americans will die, either from bullets or disease, and in the name of patriotism the hard-faced, flinty-hearted apostles of greed will reap the harvest of the bloody sowing.

### Prosperity There

Anyone who visited Northwest Kansas or for that matter any other part of Western Kansas a few years ago and visits it again this year must be struck with the marvelous change in conditions out there. For Western Kansas is just now enjoying phenomenal prosperity. The inhabitants joyously acknowledge the fact, and if they didn't it would be apparent anyway.

There have been two fat years in succession, and this year is likely to be the third. If it does I think it will be safe to say that the Western third of Kansas will be the most prosperous agricultural district in the United States.

### Prepare for Peace

From Governor Capper's Memorial Day Address

The year 1916 finds the cause of democracy spreading to all parts of the world and human slavery dead for all time. The year 1619 saw the beginning of slavery and democracy in America. Before the Pilgrim Fathers landed, a Dutch trading vessel brought 20 negro slaves from the West Indies to the Virginia Colony at Jamestown. This was 297 years ago. It sowed the seed of the great Civil War. The men of the 60's struck the shackles forever from a form of human bondage that had come down to us from countless ages and the remotest of Bible times, and righted, and righted forever, a wrong that had been tolerated since the dawn of history.

Many years have passed since Grant and Lee shook hands at Appomattox. Generations have come and gone. We have become a great and a united nation under one flag. And today all over this broad land the American people meet in the kinship and brotherhood of a great common sorrow, under the lifelong shadow of that great war fought more than 50 years ago. By the thousands of unknown graves; by the hundreds of thousands of broken homes; by 50 years of mourning for the thousands of young lives lost in that great struggle; by the pain and the life-long hardships of the thousands whose lives were blighted by wounds and disease in the spring-time of their manhood; by the thousands of broken-hearted women and the thousands of orphaned children who have had to face the world alone as the result of that great struggle, we have at fearful cost done the world an imperishable service! And today as we look across the Atlantic and see the carnage and destruction wrought there, we gain a better comprehension of the price this nation paid for the Civil War even before those now of middle life in Kansas were born.

Memorial Day sanctifies, renews and purifies American patriotism. It makes of it that deep spiritual and holy thing which gives us faith that tho we stumble in our pilgrimage as a nation and a people, we shall somehow be led aright by the sacred fire which burns so brightly and so steadily in the heart of every true American. And because the heart of America does beat true, the pure white flame of its sincere and unconquerable Americanism has illumined the world and is today the one bright ray of hope to the despairing millions of war-torn Europe.

Old world evidence multiplies that these stricken, desolated peoples are looking to us to initiate that peace they are praying for and we are hoping for, and which, please God, is not much longer to be denied them. It seems that the war must come to an end this year in Europe. It is then that the American people must be ready to step forward to advocate and bring about the world's great need: an international court for arbitrating and settling the disputes of nations. We need not fear that the people of Europe will not be as eager to abolish war as we shall be to have them abolish it, and that they will not be ready to help us put an end to the crude and bloody method of using armed force.

While we should look to our defenses, as properly we may, we are as a people insisting that America shall still be America, the land where all nations meet on common ground, "the land where hate expires," the land where the people are not yet become a beast of burden for a huge army in time of peace while being made ready for the shambles in time of war. America—Kansas—is for adequate, sensible preparedness, just as America is for prompt attention to any inquiry addressed to the America and Kansas board of trade, our utmost to bring about the end of wars.

# Good Horses, and Farms

## Draft Animals in Kansas Should be Bred for a Definite Utility Value

BY J. P. LOOMIS

ONE HUNDRED and seventeen millions is invested in the horse business in Kansas, and on many farms that business is conducted at a loss. Taking the United States as a whole, the average value of the horses is less than the cost of production. The average value is \$103.33, and according to the United States Department of Agriculture the average cost of production is \$104.63. About two-fifths of all the capital in the United States in livestock is invested in horses.

One of the first essentials is correct information about the supply and demand. Farmers watch the cattle, hog and wheat markets closely, but few men keep themselves informed on the condition of the horse market. This is because we pay the most attention to those enterprises that bring in the cash directly, and tend to disregard the indirect sources of income. But if all farmers were aware of the fact that good, sound draft horses are now selling at from \$300 to \$350 a head on the Chicago market while the average price of Southerners runs about \$95 a head on the same market; and that there is a real and insistent demand for horses of the right sort; while on the other hand, inferior horses such as are used on so many farms can be purchased for less than they can be produced, there would be a marked improvement in the type of farm horses raised in this country.

The next essential is correct information on the subject of conformation and soundness. The lack of knowledge of the correct conformation of a draft horse, and of the manner in which he grows is often made manifest at our colt and horse shows. Neat, well-rounded, mature-looking colts are often preferred to the more rugged, growthy colts with some "stretch" and possibility of development, that will, in time, far excel the neat little dumplings that were placed above them. A colt gets its full length of legs by the time it is a year old and at this time it must look somewhat rangy and rugged if it is to mature into a draft horse instead of a chunk. Again it is imperative that the horseman should know the correct conformation of a horse so he can discriminate against and avoid those conformations that are likely to develop into unsoundness and disease.

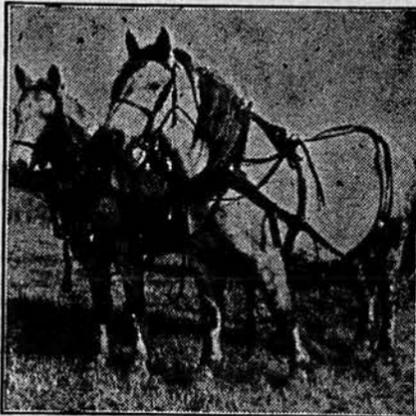
Before any substantial good can result from any line of constructive effort, a definite ideal must be in the mind of the promoter, and it must be worked for consistently. So, in constructive horse breeding a definite type and standard of excellence must be clear in the mind of the breeder, and having learned the type of horse which will be most profitable to him, he must work persistently toward this ideal. The man who breeds to a draft stallion one year, to a standard bred or a saddle horse the next, and the next year breeds to a scrub because it is handy, will never make any progress in profitable horse production. Foresight is necessary in horse breeding. Do not breed the farm mare with a view to the outcome a year from now, but five years hence when the resulting horse has reached maturity and is ready to do full work on the farm, to go on the market, or to produce more horses for the business.

The next essential is good, sound, purebred sires. The first requirement of a worthy sire is that he must be a good individual. He should be just the type and conformation desired in his get, with the individuality and the masculinity that insure prepotency so that he will impress his characteristics strongly on his offspring. In the second place, a worthy sire must be sound. We are interested in horses because of the service they will render on the farm, and the price they will bring when placed on the market. From either standpoint the importance of soundness cannot be over-emphasized, for we know that serious unsoundness

greatly lessens the efficiency of the horse, shortens his period of usefulness, and cuts his market value in half. The importance of soundness in the stallion may be appreciated readily from the fact that the majority of unsoundnesses are hereditary. Of course this does not mean that the side bone or spavin is transmitted directly to the colt, but that the weakness or the faulty conformation is transmitted so that when put under strain it is pretty sure to develop into the unsoundness.

A worthy sire must be purebred. Purity of breeding intensifies the animal's characteristics and helps to insure prepotency. Here is one Kansas farmer's experience in breeding to scrub and to purebred stallions. His colts got by scrub sires out of farm mares sold at auction for an average price of \$37 a head for yearlings, \$55 for 2-year-olds, and \$76 for 3-year-olds. Weanlings out of the same mares but sired by a purebred stallion sold at the same auction for an average of \$101 a head. Did the \$10 extra service fee prove a good investment? Finally it should be remembered that the class of horses that scrub stallions will produce can be bought on the market cheaper than they can be raised.

Often, however, too much is expected of the sire. Mares big and little, sound and unsound are brought to the good stallion and he is expected to get a uniform bunch of colts. A good stallion will get a vastly better colt than a poor stallion but he cannot get a really good colt out of a poor mare. It



Kansas Farms Need Good Horses.

is not necessary that farm mares should be purebred, but it is important that they should be good individuals, big, drafty and sound. The best mares should not be sold just because they bring a good price, for they are worth more to the farmer. On the other hand, the inferior mares should be disposed of, even if it must be done at something of a sacrifice, for again it may be mentioned that it does not pay to raise inferior horses.

The next important essential in profitable horse raising is good feeding. The greatest influence of feeding is accomplished during the first 18 months of the colt's life. The feeding of young horses should be for development, and the aim should be to keep them growing steadily with no checks or stunting periods. Good breeding gives only a possibility which may be developed by good feeding. Even a scrub can be greatly improved by good feeding, while the best bred colt can be starved into a scrub so far as usefulness is concerned.

Closely associated with good feeding is proper care and management. Any business conducted in a careless manner is bound to prove unprofitable. Horses are especially susceptible to the bad results of poor handling, for they are easily spoiled by bad treatment. It has been said that poor care and management is responsible for about 50 per cent of horse deaths; that it decreases the colt crop 66 per cent; lessens the

average work horse efficiency 25 per cent; and when applied to the individual farm, it will retard the development and future profits of the growing colt 25 to 50 per cent, depreciate a farmer's bank credit 25 per cent and lower his standing in the community 25 per cent.

When we take up horse raising from the standpoint of the community as well as the individual, a very important essential is co-operation. This does not mean community ownership, but a community ideal towards which all the breeders in the community are working. As an example of what may be accomplished by this, we have the horse breeding countries of Europe. No breed of livestock has ever been developed except by community co-operation, sometimes enforced by law, but all the more efficient because of the fact. The man who stimulates co-operation in his community is creating a better market for his products. Not only can he sell to his neighbors, but buyers are attracted to a community noted for the production of any one kind of stock. Buyers can well afford to pay more for horses if they do not have to run all over the state when they wish to buy a uniform bunch.

One more essential to the welfare of the horse industry is more and better colt and horse shows. The natural tendency seems to be to pattern a local colt show after the state fair. The classes in the fairs are arranged for the competition and display of the best breeding stock of the country, while the local colt or horse show in most communities is primarily a display of the market type of animals that the community can produce. The classes should be arranged with this in view. In such a show, the colt class is the most important and yet it is frequently given the least attention.

The classes will depend somewhat on the conditions in the community but the most important classes should be "draft colts sired by purebred draft stallions" and "the best five colts sired by a purebred draft stallion." Two other important classes are "farm team, 3,000 pounds or over" and "farm team, under 3,000 pounds," with perhaps the most money on the heavy team. If mule production is of importance in the community, there should be similar classes for mules. Conditions in some communities may justify classes for light horses also. If there are enough purebred breeders in the community, there should be special classes for purebred horses. Avoid making too many classes.

In all the classes, except "five best colts sired by a purebred stallion," give at least five prizes, and by all means give a ribbon with each prize. Trouble nearly always results from classes for breeding stock, especially stallions. Every stallion owner who brings a purebred animal to the show should be given a certain amount of money and a special ribbon. This, with the colt class, will give the stallions the proper advertisement and causes no ill feeling.

Many other details must be arranged to fit the conditions of the particular community but the object should be to make it all move with the greatest harmony possible. Care and judgment should be exercised in choosing the officers and also the judges. A special effort should be made to enlist the good will and co-operation of the stallion owners, not by immediately asking them for a cash contribution but by showing them where the show will benefit their particular business, and by securing their influence among the mare owners. A great deal can be accomplished in this way, for the stallion owners come into contact with every mare owner in the community. The benefits to be derived from a live, well managed colt or horse show are inestimable in formulating the community ideal, arousing interest and enthusiasm; stimulating effort, and insuring progress for the community in profitable horse production.

### Injury to Corn Roots

I have corn insects that are causing serious injury to my corn. They bore into the young corn plants. What can I do to fight them?  
F. R.

Frederick, Kan.

From the description you have given of the insect injuring your corn I feel very sure in saying that it is the corn-root webworm.

These worms bore into the young stalks just above the ground and very often cut them off entirely. The injury is very similar to that of cutworms. Later on when the stalks get larger they are gouged out by the worms just at or slightly above the surface and the worms burrow into the folded leaves, which when they unfold have several transverse rows of holes. On account of this habit the insects are sometimes known as bud-worms. Most of these worms will reach maturity within the next two weeks, although some of the more belated ones will not mature for nearly a month. The moths, or the adults, will lay their eggs in grasslands. These eggs hatch during early June. The worms of this generation will reach maturity during the latter part of July and within two weeks or towards the middle of August another generation of moths will appear. This generation of moths lay their eggs in grasslands and in stubble fields full of grasses and weeds, especially those that have grown with foxtail and crab-grass. These eggs will hatch during August and September. The worms hatching from these eggs become partly grown before winter. They hibernate for the winter in their webs around the roots of the plants and as soon as the crops start to grow in the spring they are found feeding upon them. These are the worms that are now found in the fields.

I can suggest no means of controlling these insects at this time. I cannot even tell just when one can replant corn in order to prevent the worms from injuring the plants. I have known of cases where corn has been replanted the second and third time and the worms were still found infesting it. If the worms were all to pupate about the same time, one might delay replanting until they were gone, but very probably to delay until all of them were gone would be entirely too late. By examining some of the roots of the plants just beneath the surface one can tell whether the worms are present. They make a web around the roots. Sometimes these webs will run out 2 or 3 inches from the base of the plant. These worms are always bad on corn during the spring following a year like last year or following a season when so many of the fields have grown up to crab-grass, foxtail and smart weed. They also are often bad on corn that has been replanted on sod land.

One of the best methods of preventing these insects from injuring corn is to have the ground the previous year free from grass and practice either summer or fall plowing. The moth will not lay her eggs upon plowed land, and thus if the ground is kept free from grass and weeds, or if the stubble fields, for instance, are plowed during the summer or even early in the fall, the fields will not be infested because there is nothing to attract the moth. If the fields have not been plowed during the summer and kept free from grass and weeds, late fall plowing should be practiced. This will expose the wintering larvae to the weather and the great majority of them will perish.  
George A. Dean.

Kansas State Agricultural College.

### To Show the Tractors

A tractor show will be held at Hutchinson the week of July 24 to 28. Most of the leading tractor firms have entered. This show is in a circuit of tractor shows, in charge of the manufacturers, which begins at Dallas, Texas, and gradually works north. The tractors will be shown side by side and doing field work at this demonstration.

### Need a Man?

I want a job. I can do any kind of work on farm or ranch. I am married and have two children. Am 36 years old, 6 feet tall, and weigh 175 pounds. Worked on farms all my life to the present.  
C. T. Doerflinger.  
Chetopa, Kan.

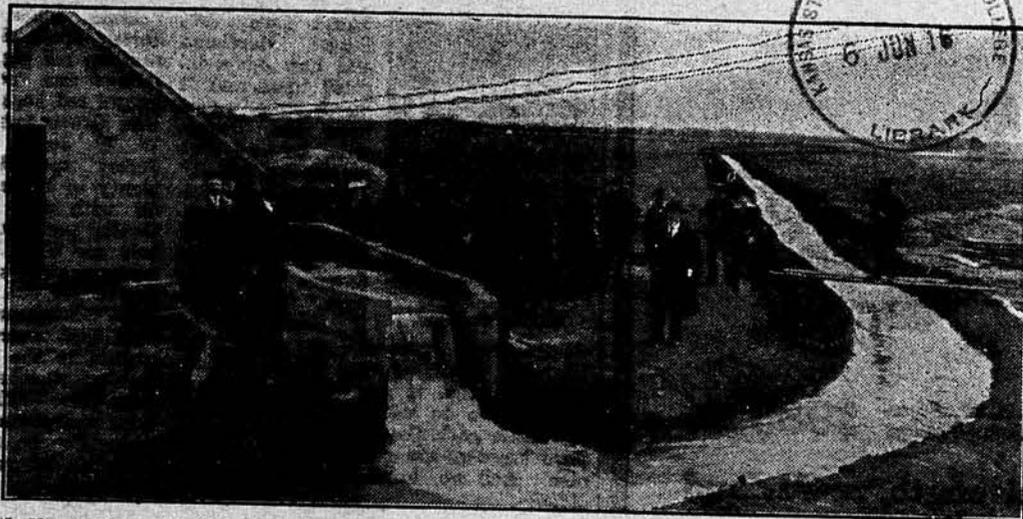
The potato-bugs are looking for a man who believes in anti-preparedness, and despite this warning they'll find him.

# Water, and Big Crops

## Pumping Irrigation is Doing a Great Deal to Develop Western Kansas

By F. B. NICHOLS, Associate Editor

**G**REAT interest is being taken this year in pumping irrigation in Western Kansas. This is true not only in the leading centers for this development, such as Garden City, Scott City and Larned; it also is true in centers where there has been no development up to this time. The feature of the business this spring has been the \$50,000 central electric plant which has been installed by J. W. Lough of Scott City. This plant probably will start the building of many electric plants in Kansas. It is believed generally that the use of the central plant is very practicable for Kansas conditions, but up to this time no man has had the nerve to build a plant for this purpose independent of other interests. The Garden City Sugar and Land Co. has a plant with a capacity of 3,300 horsepower which has been very successful, and has done a great deal to aid in the progress that community has made in the business in the last two years. The plant, however, is in connection with the sugar mill.



Shallow Water is Available in Many Sections and it Pays to Pump This Moisture to the Surface, so it Can be Used by the Crops in Greatly Increasing the Yields.

The Lough plant, on the other hand, is independent of any such connection, and its financial rise or loss will depend on irrigation. It is fortunate that it is to be installed by a man who has had as much experience in the irrigation business as Mr. Lough. He has produced remarkable results with alfalfa under irrigation on his place. It is believed that he will make a success of this investment; that the plant will pay good dividends.

If the idea is demonstrated to be financially sound it is reasonably sure that it will be developed rapidly. There is a great need for a rapid growth in irrigation in the Arkansas River Valley, and the profits the business has produced around such towns as Garden City indicate that it pays. If the central power plant wins in the test on Mr. Lough's place there will be plants of this kind installed at many towns along the valley. Perhaps in some cases they can be built in connection with the present electric light plants. A large part of the power in pumping would be used in the day time when the engines would not have much of a city load. The data collected on the results at the Garden City plant show that a price can be charged for this power that will give a good profit to the owners of the plant and still it can be supplied at a lower rate than a farmer can develop it himself. To do this it would be necessary to have enough farmers install plants of this kind so there would be a considerable load, and for all other charges, such as labor, interest and depreciation to be considered in the costs to the farmer for each system.

The big thing in extending irrigation in Western Kansas is not the technique that is to be used. It already has been shown that this business has some very efficient machinery, which will produce profitable results when it is given an opportunity. The vital problem is to get the average man in Western Kansas who has an underflow at not too great a depth to realize the opportunity he is neglecting. There is no better way to get acquainted with this than to find out what the leaders are doing. Visit Garden City, Scott City and Larned. Study the development at first hand. While at Garden City learn of the methods used on the Garden City Experiment station, where some very favorable results have been produced with deep pumping. Learn of the remarkable work of the Garden City Sugar and Land Co., which has about 30 wells, almost half of which are in deep well

territory, some with a draw down of 165 feet. You can find many very well satisfied farmers at Garden City, who have made good profits by pumping the underflow. This community has I. L. Diesem, who began the irrigation movement in Kansas in 1889 by irrigation with a windmill. His son, H. C. Diesem, is a government engineer in the pumping irrigation investigations.

At Scott City almost everyone is interested in irrigation. J. W. Lough, who is installing the central power plant, is the state irrigation commissioner, and he is doing a great deal all over Western Kansas to boost this movement. Frank Petefish, who also has a good plant—in which by the way the Burrell syphonic water gathering device is installed—has made the surveys for a large number of plants in many communities. Much of the soil around Scott City is well adapted to the growing of alfalfa, and some high yields of this crop have been produced under irrigation.

You will get an opportunity to visit the irrigation farmers around Larned if you attend the Kansas State Irrigation congress there next fall. E. E. Frizeff of Larned is president of this organization. He has had remarkably good success with the irrigation work on his place near that town. A. L. Stockwell also has a good plant; the feature on this place has been the high yields of kafir silage produced by the liberal use of water. There are many good plants in Pawnee county, and the plan is to gather up enough of the motor cars which have made this county so famous and take the farmers who attend the meeting on a free joy ride to these plants.

One of the features at this meeting will be a report in regard to the conditions of the plants of Kansas, which will be delivered by H. B. Walker of Manhattan, secretary of the Kansas State Irrigation congress, who is the irrigation engineer for the Kansas State Agricultural college. There are about 250 irrigation plants in Kansas, and by fall Mr. Walker hopes to have definite data in regard to all of these, which will be obtained mostly by personal visits. Some very interesting information already has been obtained as a result of this investigation, which indicates a profitable future for the movement.

This meeting should be well attended by Western Kansas farmers, and the interest which has been generated in it so far indicates that this will be the case. The annual meetings of the congress have done a great deal to direct this movement properly in Kansas. It will do much more in the future, as the work of the congress is developed to a larger extent.

The vital thing in irrigation in Western Kansas is for the average farmers to get a knowledge of the profitable results which have been obtained by the leaders in this movement. There

is room for a remarkable extension in irrigation; it probably will do far more than is generally realized now by even the leaders to develop Western Kansas in the future. For example, take along the Smoky River Valley. There is some very good land in this valley, but so far the owners generally have not shown much interest in the movement. Near the head of this valley, however, is the excellent irrigation plant owned by E. J. Guilbert of Wallace. If every farmer in the valley had an appreciation of the good results which have been obtained by Mr. Guilbert there would be a rapid increase in irrigation.

Some farmers have been afraid of going into irrigation because they believe the underflow is not strong enough. Many men have land on which the water bearing strata is not thick. Of course it is necessary that one should have some information in regard to the strength of the underflow before he starts to install a big plant, but this easily can be obtained by prospecting. It is important to consider that the use of the Burrell syphon in gathering water from several wells makes it possible to get a considerable volume where the underflow is not especially strong. For example, A. J. Erhart on his farm near Ness City has obtained a flow of 1,500 gallons a minute from about 10 feet of gravel, in which the flow is not enough to get excited about. He did it by the use of the Burrell system. The water is obtained from 12 wells, and the use of this system allows it to be delivered to the central well free of charge, so the lifting cost is merely on the "draw down" at the central well.

Other farmers, especially those on the high lifts, have been afraid of the expense of a plant, and have stayed out of the business on that account. It is true that a plant with a big capacity costs considerable money. It also is true, however, that a great many men already have the machinery needed for irrigation. A great deal can be done with windmill irrigation in Kansas; most of the mills are not being used to their full capacity. An average windmill will not only provide enough water for the stock and the house—it also will supply enough for a lawn and truck crops. It is important to provide some storage space for this water, so the irrigation can be carried on with some head of water. If the irrigation is started on a small scale it may bring additional profits which will allow a larger development later. For that matter, that was the way the business started in the state, with the windmill irrigation of Mr. Diesem.

Irrigation is not a matter of theory. The successful results already are obvious on dozens of farms. These can be studied best by visits to these farms at the leading irrigation centers and elsewhere. Expert help can be obtained from Mr. Lough, Mr. Walker and George S. Knapp, the government engineer at the Garden City station.

### Spray the Potato Vines

"Spraying potato vines for the purpose of killing Colorado beetles should be done as soon as the work of the insects is noticed," says George A. Dean of the Kansas State Agricultural college. "This destructive insect is not hard to control," he says. "One part Paris green mixed with 20 to 30 parts of air slaked lime or flour and used as a dust spray affords the best results on young plants. It should be used when the dew is on by means of powder guns or dust spray machines.

"The Paris green spray, prepared by mixing one pound of Paris green with 75 to 125 gallons of water, and the addition of 1 pound of quicklime to the mixture, makes an effective spray. This spray will burn vines if the quicklime is omitted.

"For the proper mixing and using of this spray, a bucket pump or knapsack sprayer of good quality is sufficient for use in small gardens, but on a large scale a potato sprayer to be drawn by horses through the rows of plants is necessary.

"Arsenate of lead serves the same purpose as the Paris green, 1 pound combined with 15 or 20 gallons of water, being more adhesive. It sticks more firmly to the leafage, and is much less likely to produce scorching than the Paris green spray. Cleaning up the vines and plowing potato land in the fall after the crop has been harvested will aid in reducing the number of hibernating beetles."

### Much Damage From Rats

BY HARRY A. HUFF.

Our place has the most rats about the buildings I have ever seen, and other farmers here are bothered the same way. The rats are a great pest and they do a large amount of damage. They are in every brush pile along the creek and in all the hay stacks. They destroy bird nests and little chickens, and the amount of grain they eat in a year is immense. There are many traps on the market, but after you catch a few they usually learn to avoid the traps.

Cats will kill the rats but they sometimes kill chickens, and then they are as bad as rats. If you wish to keep the rats out of a hen house the best plan is to dig a trench about 18 inches deep and put a fine wire screen down to the bottom of the trench. Fill the trench till it is half full of dirt and then finish the filling with cement. After the cement hardens and a rat tries to dig under the wall, he will dig till he gets under the cement but when he strikes the wire he will quit.

It is a shame the way the bull snakes are killed in this part of the country. On a recent trip to Abilene I saw 10 bull snakes that had been killed and thrown in the road. Bull snakes are perfectly harmless and they live on mice, rats, pocket gophers and other small animals and insects.

Another thing that should be protected is the owls. I have examined one of the burrows of the little burrowing owls when they had young in the nest. I counted 30 mice that the owls had caught to feed their young.

### Room to Spare at Springfield

Realizing that the hospitality of the city and its neighbors will be on trial on the occasion of the National Dairy Show October 12 to 21, at Springfield, Mass., the Hotelmen's association, the convention bureau of the board of trade and the directors of the Eastern States Agricultural and Industrial Exposition, have united on a program which will guarantee suitable accommodations for every person who seeks reservations in advance of the opening of the show.

When Springfield asked for a dairy show it promised to take care of any crowds that might go there, and it is prepared to keep its word. Several large groups of men allied with the dairy industry began last February to make hotel reservations and there are now some hundreds of rooms engaged for 10 or more days in October, but any report that Springfield is already "sold out" on hotel accommodations is false. The committee promises prompt attention to any inquiry addressed to the convention bureau of the board of trade, Springfield, Mass.

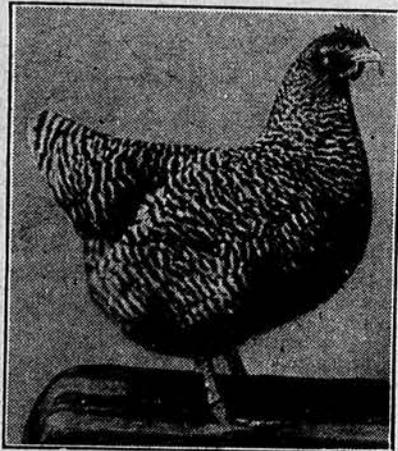


# A Loss From the Corn Pests

Crows Are Especially Active This Year in Coffey County

BY HARLEY HATCH

IT HAS been years since more damage was done by "varmint" to corn than has been done this spring. The worst offenders seem to be mice, which are even now digging up corn which has been above ground for 10 days. A rain would stop their work for a day or so and give the corn a chance to grow away from them.



A Profitable Hen.

A neighbor told me last night that he had counted 40 consecutive hills in one row in his cornfield which had been dug up by mice. He is now using poisoned pumpkin seeds and probably will get most of the thieves. A mouse or a gopher will travel a long distance to get seed of this kind, and the neighbors say it is almost impossible to keep their melon seeds in the ground after they are planted. Some men are accusing the crows of causing part of the damage but I think the crows have but a small share in it. The corn taken is all dug up and, as we all know, crows do not do much digging; if they get a hill of corn it is by a straight pull and not by digging.

In the East the crows are a veritable pest in the newly planted cornfields. If they are not fought continually they will take every hill as fast as it comes up. The common scarecrow helps some, and many farmers erect small poles around their fields and on these run a line of string to which bits of tin are tied. Here in Kansas where we have 10 crows to one in the East we seldom think of their doing any damage to the newly planted corn. They prefer to wait until the corn is in roasting ear before levying tribute.

On this farm a fair stand of corn has been secured except on one small field and here some replanting has been done. In other fields there are thin places and on the whole the stand is well adapted to stand a dry summer. This may prove a good thing for when August comes we are seldom sorry if our upland shows a thin stand rather than a thick one. On all the fields mice are still working but probably will not do much more damage as we have the corn all cultivated except 20 acres. There is seldom much digging after corn has been cultivated.

Our main crop of potatoes shows a fine stand, and they have been plowed once. We did not notice any bugs but neighbors say they are much more plentiful on the vines than usual. I lay this condition to the fact that so far no Texas thistles or bull nettles have shown up. Potato bugs live on these as much as on potatoes and for that reason seldom trouble us here. Both Texas thistles and nettles thrive best in a dry season, and it may be the summer of 1915 was wet enough to thin them out. We shall not be sorry if that proves true even tho they supply potato bug pasture and in that way save our potatoes.



The Hogs Were Sold Monday for \$9.20 a Hundred, Which Gave a High Return for the Feed They Had Received.

Our Grange this week unloaded a car of flour and feed. A neighboring Grange shared in the load to some extent but the most of the feed came to this neighborhood. The flour made at the Burlington mill gives such good satisfaction that nearly all the flour users specified that if flour was to be bought that it must be from this mill. The women have the "say-so" when it comes to naming the brand of flour. We paid \$1.40 a sack

for the flour, \$1 a hundred for the bran and \$1.20 for the shorts. These prices could have been reduced a trifle had we been willing to take unknown brands but no one wished to take that risk for 5 cents a sack. We also believe in patronizing home industries where it is possible to do so and that helped in placing our order.

The crows got a taste of our young chickens this week and because of that we had to do some "watchful waiting" early in the morning until we were able to get a shot at one, which brought out a cloud of feathers. Since that they have not troubled us. Crows are a nuisance around the chicken yard at this season unless they are given a strong hint that they are not wanted. They can take a hint as quickly as anyone if it is made strong enough. A dead crow hung up by the heels near where the chickens run, does much to discourage crow visits. Another good way of stopping their depredations is to get the boys to hunt out and destroy their nests. Crows seldom bother the chicken yard unless they have young to feed.

We anticipated "Swat the rooster" day by a full week. Ours went to town last Monday on top of a load of hogs. I think it might be well to place the time for selling them still earlier. No one cares to set hens after this date and even if they did the eggs will be fertile for at least 20 days after the rooster selling day. We received 6 cents a pound and suppose that they will help fill some of those cans of chicken used by picnic parties this summer. The packing companies can make just as good meat out of these 6-cent roosters as they can out of 12-cent hens.

The hogs which we sold Monday brought us \$9.20 a hundred, the highest price we have ever received for hogs with the exception of one load sold in 1910 which brought even \$10 a hundred. Of course there is a good big profit in selling hogs for \$9.20 which were grown on 70-cent corn. Our records show that in the last 10 years hogs paid a profit in seven, lost money for us two years and broke even one year. The worst year of the decade from the standpoint of the hog raiser was 1907 when hogs grown on 50-cent corn brought a little less than \$4 a hundred. The most profitable year was 1910 with this year—so far—a close second. I am expecting to see high prices hold until about August; September probably will witness the usual decline.



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A little work, a little play To keep us going, and so, Good day!

A little warmth, a little light Of love's bestowing and so, Good night!

A little fun to match the sorrow Of each day's growing, and so, Good morrow!

A little trust that when we die We reap our sowing! And so, Goodby!

—George Du Maurier.

Games for a Party

Please publish some games that can be played at a Christian Endeavor party.

A. M. Neosho Co., Kansas.

Driving the pigs to market is a good game when the party is held indoors in a hall or the basement of the church. Divide the company into two groups and clear all the furniture out of the way. Give each group an Indian club and a wand about 3 feet long. A broomstick will do very well. At a given signal, one person from each group starts to roll his Indian club across the room over a given line and back again, hitting it with the stick. As soon as he gets the club back to his group, someone else in the group must take the stick and drive the club across and back. This continues till every member in the group has driven the club across and back. The side that finishes first is the winner.

Throwing bean bags will provide amusement for part of the time. Put up a target made of several boards fastened together with holes of varying sizes cut in them. A very large hole counts 10 points, a smaller one counts 20 and a still smaller one, 30. Give each player five bean bags, make him stay a given number of feet back from the target and let him try to throw the bags thru the holes.

For a new kind of blind man's buff, let the players stand in a circle with one in the center blindfolded. All the other players are numbered. The blindman calls two numbers at some distance apart in the circle as 1 and 15 and the players called must change places, going thru the circle. If the blindman catches one, he takes that one's place and the one caught becomes blindman. If the blindman fails to catch anyone after several trials he can call 100 and everyone must change places.

to the fin, cut to the base of the bones at each side, and the fin can be lifted out entire.

Insert a broad knife along the spine of the cooked fish when you serve it and the meat can be lifted off the ribs. The spine and ribs can then be removed from the remaining flesh before it is served. Small fish, served one to a plate, should be opened from the back in the same manner. The top side may be laid off in a solid piece, then the bones removed, and the lower side left free. The fins and tail may be removed in the same way, leaving white flesh with no bones whatever. A great saving of meat results. Roast or baked fish is much improved by pouring over it when about half done a can of tomato pulp or a can of tomatoes from which the liquid has been drained. Tomato sauce is delicious served with fish.

Mrs. Luella M. Grimby.

St. Louis Co., Missouri.

Stripes are Fashionable

Nothing looks prettier and cooler when hot days come than a dainty dress of white voile or gingham striped with pale pink, blue, green or lavender. These striped materials are excellent style this season. A good model for such a dress is illustrated here. The double



778

collar in cape effect is made of very sheer white material with the edges scalloped either in white or a color to match the stripe. Scalloped cuffs finish the short sleeves and a belt of ribbon or silk matching the stripe conceals the joining of waist and skirt. White slippers and stockings should complete the costume.

The pattern, No. 7783, is cut in sizes 36 to 42 inches bust measure. It may be ordered from the Pattern Department of the Farmers Mail and Breeze, Topeka, Kan. Price 10 cents.

Care of Goldfish

Goldfish are not much trouble to care for and require little food. A 10-cent box of fish food lasts a long time. The aquariums need to be washed and filled with fresh water once a week in cool weather. The water should be changed oftener in warm weather. It is said that if the water plant which often is in the globes when the fish are bought is wrapped in a cloth containing a little soil and tied securely, it will keep growing and live a long time. The little fish look very pretty swimming around among the shells and moss in their glass globes, and the whole family will enjoy watching them.

Mrs. C. H. Saunders. Greenwood Co., Kansas.

Why do we always speak of a man "having a temper" when he lets it go?

Where Milk Keeps Cool

To keep milk cool and sweet in summer I got a large galvanized tub and had the hardware man put a faucet near the bottom. We set the tub on a stand about 1 1/2 feet high and long enough to hold the tub and empty milk jars. This stand we placed near the well where it would be in the most shade. A tight cover was made for the tub to keep out dirt. Water is pumped from the well by a gasoline engine and runs thru a pipe into the tub. By leaving the faucet open when the weather is hot I have running water around the milk constantly. The water drains off thru a long pipe into the pig pen. Even without the engine the water can be changed many times in the day without lifting and carrying heavy buckets.

Mrs. A. R.

Sumner Co., Kansas.

How to Clean Fish

A small curry comb—one that can be bought for 10 cents will do—is the best tool for scaling fish, and where fresh fish are served often it will pay to buy one. Grasp the head of the fish firmly and scrape toward you. You can clean nearer the fins and head in this way and the scales will not fly in your face, nor will you be pierced by the fins as when you hold the fish by the tail.

Turn the fish with the head to the right and the back from you, and with a sharp knife cut thru the near side of the neck. Insert the blade in the gill and cut down the center of the under side and around the vent, removing the entrails in an unbroken mass. Wash the fish and it will be ready for the frying pan or baking dish unless you prefer to serve it without the head. But the back of the neck, the cheeks and several other delicious morsels are missed when the head is not cooked. The fins can be removed easily when you dress the fish. Hold the knife close



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WHEN WRITING TO ADVERTISERS BE SURE TO MENTION THE FARMERS MAIL AND BREEZE.

# It's a Community Home

## All the Neighbors Share The Boulders with its Owners

BY LUCILE HERRY WOLF

COUNTRY women in few states have so able a leader as do Kansas rural women in Mrs. Cora Wellhouse Bullard of Tonganoxie, Kan. Mrs. Bullard is the wife of a stockman and farmer and lives on a 500-acre farm.



Making the Hitching Post.

One of her latest achievements has been the building of a fine country residence which is to be a home not only for the Bullard family, but for the whole rural community as well. The house was built in a very unique way. Mrs. Bullard took the construction in charge, as her husband was busy with his farm work. Her idea was to use materials which are being wasted on nearly every Kansas farm, and to employ only rural talent in the planning and building. The loneliness and isolation of the country, especially for the woman and young people, had impressed itself upon her during a lifetime on the farm. Consequently she desired her home to supply some of the social needs of the district where she lives and planned it accordingly.

The house stands on the crest of a gentle knoll exactly in the center of the farm. Huge porches on three sides are made to accommodate a large number of persons. One well shaded part of the yard at the north is to provide a place for large outdoor meetings. The porch facing it will be used as a rostrum from which a speaker may address hundreds of people. The living rooms are built very spaciouly with the idea of taking care of large gatherings. There are many bedrooms, and any social worker in Kansas who wishes to study questions of the rural districts at first hand has an invitation to stay at The Boulders as long as he chooses. A telephone call from the town nearby on his arrival—and Mrs. Bullard herself is likely to drive in to meet him. Mrs. Bullard does not motor, she drives; not because she could not motor should she choose to, but because she likes best to swing along the road behind the black horses.

### A Home Talent House.

Her father was known years ago as the apple king of Kansas. He grew and shipped hundreds of bushels of fruit from the vicinity where his daughter now lives. The orchards have ceased to be profitable and have been cut down but Mrs. Bullard still loves to tell of them. Her ability to see the romance of things—the pathos of hundreds of dead apple trees, the humor of a broken silage cutter, the wonder of a hollyhock stalk—this ability has made her a leader among Kansas women.

Nothing could show Mrs. Bullard's sort of spirit better than her way of building her house. She decided that she knew her needs and those of her

neighborhood better than any city architect did. Consequently, she drew her plans on wrapping paper with a pencil and yardstick, using the dining room table for a desk. She called in a young carpenter who never had put up a large house. She showed him her plans.

"Can you build a house from them?" she asked.

"Well, I think we can make it out together," he replied. And they started making it out together.

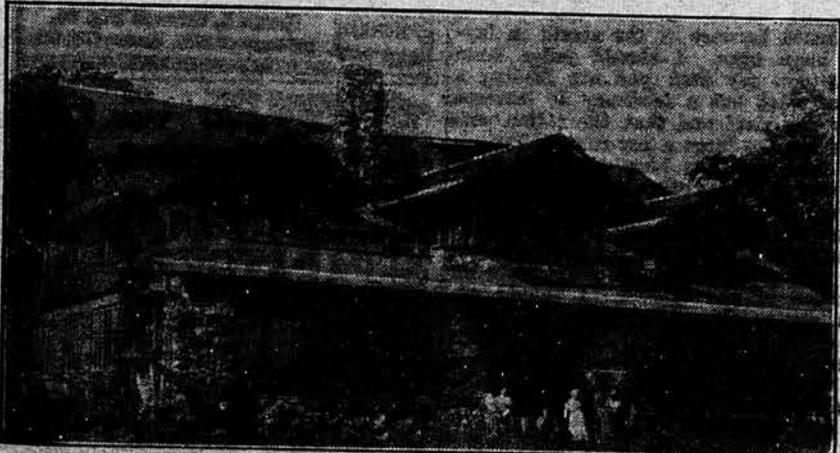
Mrs. Bullard desired the lower half of the house to be built of Kansas boulders which lay about some of the farms nearby, but she had no idea of how much the work would cost. So she sent the hired man to a neighbor's place one day and told him to bring over a load of rocks. She took a dishpan and a kitchen spoon, mixed some mortar and built a stone hitching post with her own hands, keeping track of the time and materials. When she came to build the boulder work of the house, she hired a country negro to break the rocks for her and to help lay the boulders. She worked with him.

"We began on the back of the house," she said, "and by the time we got around to the front, we were doing pretty good work."

The porch railing was to be made of ornamental brick, but instead of buying the brick, she bought a machine and she and the negro made the bricks that were used. Her plans called for fireplaces to front on the porches outside. She took a magazine article on how to build fireplaces, read it herself, read it to the workman, and built hers as the directions said. And the fireplaces draw, too!

Mrs. Bullard plans to arrange for lecture courses and training clubs among the farm women. She will bring to the women of her community the best talent she can get, for she believes the reason country women are not so progressive as those of the cities is that their isolation has kept them out of touch with great modern movements. The home is open for meetings of country literary societies, dramatic clubs, musical organizations and for young people's parties.

"Altho I am called away from the farm very often on public business," said Mrs. Bullard, "it is the work here that I enjoy most. I am so eager to finish everything about the house. I shall use wild grape vines from the creek over the porches, and hollyhocks out in the yard, things any farmer's wife can have. We'll always try to keep that field in alfalfa. The breeze blows cool off of it. I have lived in the country always and I suppose that is the reason I like it best."



The Boulders, Home of Mrs. Cora Wellhouse Bullard, at Tonganoxie, Kansas. The Lower Story is Built of Stone from the Neighboring Farms.



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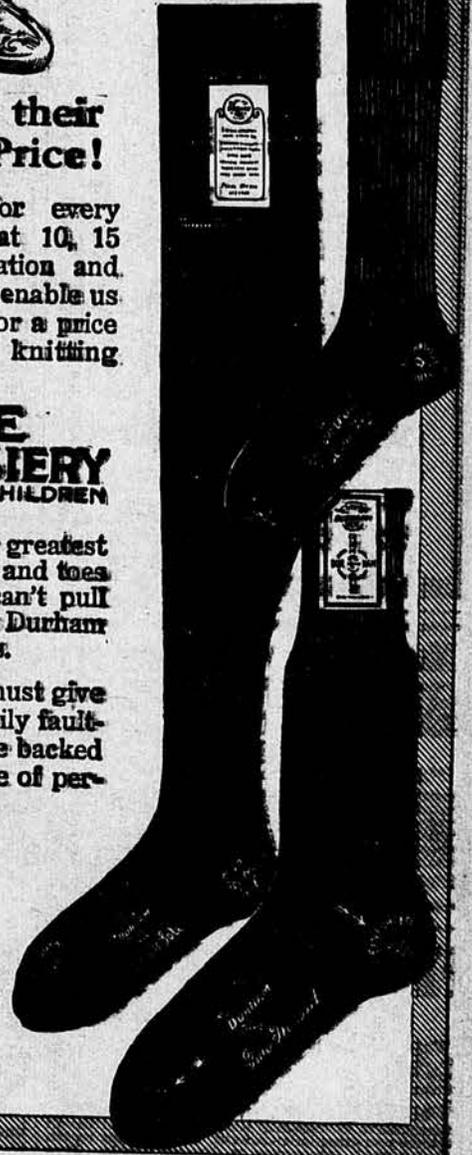
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# Grow a Few Capons This Year

The Demand is Larger Than the Supply on Some City Markets

BY RALPH SEARLE

THERE is as much to be gained by cauponizing surplus cockerels as there is by castrating surplus male pigs or calves. The improvement in the quality of the meat and the relative increase in weight is greater. The increase in the price paid for capons over that paid for roosters is relatively greater than the increase in the price paid for barrows or steers over that paid for boars or bulls. The operation itself is more simple and less painful.

The reason that cauponizing has not become a common method of handling surplus cockerels is that, until recently, no suitable instruments has been invented for performing the operation. Those that were available were so clumsy that their use was not only cruel, but often resulted in the death of the bird, and many of the fowls which withstood the operation proved to be "slips." A "slip" is an "unsuccessful capon." He is neither a rooster nor a capon. His condition is due to the failure of the instrument to remove all the sexual organs at the time the bird was cauponized. Slips bring but little more on the market than full sexed roosters, and they grow but little larger. They are mean and pugnacious, and undesirable from every point of view.

### Any One Can Caponize.

A few years ago a Kansas farmer with an inventive turn of mind and a healthy appetite for prime capon meat, invented a set of cauponizing instruments which made good. With the use of his instruments, the operation of cauponizing became so simple that a child could perform it successfully. Thousands of farm women now cauponize their surplus cockerels every year, thus increasing their profits from poultry raising. Many of these women formerly were prejudiced against cauponizing, having witnessed the old-style operation which often was bloody and repulsive. With the modern way this is no longer true.

In spite of this rapid increase in the production of capons, there seems to be no danger of over-production. There has been no break in prices. The demand is increasing faster than the supply. The usual price of capons runs from 18 to 20 cents a pound, live weight, and from 22 to 25 cents a pound when dressed. A Plymouth Rock capon, properly finished, will dress out about 10 pounds. This is much better than the market prices quoted for ordinary roosters.

### When to Operate.

Many persons have a wrong idea as to when a cockerel is at the right age to cauponize, and wait until he is too old. The older the bird is the more dangerous and painful will be the operation. Also, unless a cockerel is cauponized at the proper stage of development, it never develops into the nice appearing, smooth capon which brings the highest price on the market. The proper time to cauponize is just as soon as the sex can be distinguished, and before the comb has begun to turn red. This generally is when the bird is about the size of a quail, weighing from 1½ to 2 pounds. This is one of the reasons why the Barred Plymouth Rock is so popular as a capon. The sex can be distinguished at a very early age because the plumage is lighter than that of the female.

One of the great secrets of successful cauponizing is, not only to have the cockerels at the proper age, but also to have them in the right condition. They should be entirely empty when the operation is performed. They should not have anything to eat or drink for the preceding 36 hours. To some this may seem a little cruel, but as a matter of fact it is far more merciful than to try to perform the operation on a fowl with a full stomach. A very good plan is to select the cockerels that are to be cauponized in the evening after they have gone to roost. Put them in a crate and put the crate where it will be in a dark place the next day. Any time after daylight the second morning they are ready to be cauponized.

It is not the province of this article to give detailed directions for cauponizing, as very careful directions for performing the operation accompany each set of instruments. The operation is not nearly as difficult as it looks to the person who never has tried it. A very

good plan is to practice on one or two dead birds that have been killed for eating. In this way you learn the location of the organs, and how to handle the instruments, before you tackle a live bird. If you should accidentally kill one, it will be by rupturing an artery. Death will take place in a very few minutes and the bird will be perfectly good to eat.

### Capons Fatten Rapidly.

After the cockerels are cauponized they should be watered and then fed. No special feeding is necessary. Give them whatever they have been used to, but feed them rather sparingly for the first two or three times so that they will not gorge themselves. Then feed them all they will eat and fatten them as rapidly as possible. Free range is good for them and plenty of green food is very essential. The main feed, however, should be corn. Some other feeds also may be used, but always for the purpose of whetting their appetites so that they will eat more corn. Most capons are marketed at an age of from 8 to 10 months, depending upon size, finish, and market conditions. The last two weeks before marketing it is a good plan to put them up in a small pen or yard where they will exercise less and eat more. During this finishing period a good ration consists of corn chop soaked in milk. About four times a day feed them all they will eat up clean in 15 to 20 minutes. This treatment will make the carcass plump and give them the good rich flavor so much in demand.

Another very popular use to which capons are being put is that of brooding and raising chicks. Many poultry raisers use capons exclusively for this purpose, and are enthusiastic in their praise of these live brooders. Some have tried it and are not so enthusiastic, but the reason usually is that they did not know how to go at it. The best method of procedure is to have a small yard with a coop in it. Place the capon in this yard a few days before you intend to give him the chicks. It will give him time to get located and at home in his new quarters. Of course the coop has no perches, and the capon sits on the floor at night. About dark, put the chicks under him, a few at a time. Usually he will take to the little fluffy balls like a duck to water, and he will be found the next morning clucking and caring for the little fellows just like an old hen.

### Why the Hens Die on the Nest

I raise Single Comb Black Minorcas. My chickens are free from lice and have plenty of grit, mixed grain, mash, and plenty of green feed and ground bone. They have been laying well, and the eggs have been hatching well. They are apparently in excellent condition, and seldom lay soft shelled eggs, but one of the hens laid a soft shelled egg with four yolks. All of her intestines were in the nest with it, and she was dead. I am feeding no food to force egg production. I have lost several hens that apparently were in good condition, but simply die on the nest. Can you tell me the cause of this trouble, and how to remedy it?  
Colorado. D. E. J.

I think you are mistaken in your supposition that you are not feeding a forcing ration. Ground bone and mashes both have a tendency to force egg production. Minorcas lay the largest eggs of any variety of poultry that we have. This is responsible for many cases of eversion of the oviduct. Muscles and ligaments of the oviduct may become weakened because of the strain in laying large eggs. I should judge from what you say that you are feeding a ration that has a tendency to increase your egg yield and that the ration perhaps has too large a per cent of fattening food, and the hens straining upon the nest to lay the extra large eggs causes a rupture of a blood vessel. We have seen such cases in many flocks. If the hens have a tendency to constipate and are laying large eggs it may cause an eversion of the oviduct. I should advise you to give your hens ½ teaspoonful of Epsom salts each week during the heavy laying season. Dissolve the salts in water and moisten a little of the mash with it. Give half a teaspoonful to each hen.

T. E. Quisenberry.

Let's provide shade in the pastures. 'Twill prove cheaper than feed.



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made of? How is it made? What is it good for? What qualities make it unique?

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Get BIGGER POULTRY PROFITS by spraying your chickens and sheds with **CAR-SUL** to kill lice, mites, fleas, etc. Clean, healthy chickens mean **MORE MONEY FOR YOU.**

### CAR-SUL

"The Universal Disinfectant"

frees your hens from all pests and vermin. Most Drug and Hardware stores sell it. **GET A CAN TODAY.** If your dealer can't supply order direct—\$1.25 a Gal.; \$5.00 five Gals. Prepaid.

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Would you like to have a real razor—one that you can absolutely depend upon. Razor shown above is made of tempered razor steel, hollow ground, highly polished blade. Guaranteed to give satisfaction.

**Free Offer** We will send this razor free and post-paid to all who send us one yearly subscription to Farmers Mail and Breeze at \$1.00 or three for one three-year subscription at \$2.00. With this offer we will include a year's subscription to Capper's Weekly. They can be new, renewal or extension subscriptions. Address **FARMERS MAIL AND BREEZE, Dept. B, TOPEKA, KAN.**

### Cause of White Diarrhea

White Diarrhea is caused by the bacillus *Bacterium Pullorum* with which chicks are often infected when hatched. The germs multiply very rapidly and one infected chick may infect the entire brood. Prevention is the best method of combating the disease and should begin as soon as chicks are hatched. Intestinal antiseptics should be given to kill the germ. Mercuric Chloride is one of the most powerful remedies, but being a rank poison, its use is not to be recommended as long as there are safe, harmless remedies on the market that will do the work.—Advt.

### How to Prevent White Diarrhea

Dear Sir:—I see so much about people losing their incubator chicks with White Diarrhea, and I know how discouraging it is. I have been raising little chicks for years and lost thousands before I learned how to save them. Finally, I sent 50c to the Walker Remedy Co., L4, Waterloo, Iowa, (formerly located at Lamoni, Ia.) for their Walko Remedy. It came by return mail. Before I received it, I was losing the little fellows by the lapful. I only lost one from White Diarrhea after getting it. Never had little chicks so thrifty. It just seems to give them new life and vigor. Mrs. R. B. Mercer, St. Paul, Kansas.—Advt.

### Don't Wait

Don't wait until White Diarrhea gets half or two thirds your chicks. Don't let it get started. Be prepared. Write today. Let us prove to you that Walko will prevent White Diarrhea. Send for 50c box on our guarantee—your money back if not satisfied. We were formerly located at Lamoni, Iowa, and parties recommending our remedies in the papers sometimes give our former address. To avoid any mistake or delay when ordering Walko White Diarrhea Remedy and Chick- tonic, be particular to address; Walker Remedy Co., L4, Waterloo, Iowa.—Advt.

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## Stock Feeders

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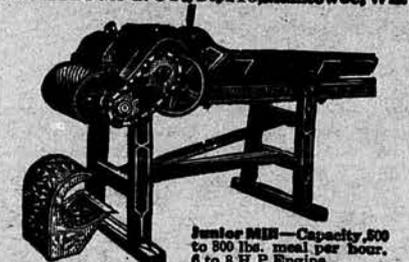
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Powerful, whirling, bevel-edge blades slice like a lawn mower, fine even and uniform. Better silage and saving expense of two or three men depending on size. Blower built independent of cutter so you can increase the speed without changing speed of knife shaft. Patented low-speed, one-pulley chain drive covers 1-6 to 1-4 power cost, cuts out unnecessary wear on belt. Extension table on hopper makes faster, cleaner job.

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Junior Model—Capacity 500 to 800 lbs. meal per hour, 6 to 8 H.P. Engine.

Smalley Silo Fillers, Sold by Parlin & Orendorf Plow Co., Kansas City, Mo.

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**A Guaranteed Silo \$88 Freight Prepaid**

I absolutely guarantee this silo to stand up under any weather conditions. If at any time 5 years from date of purchase, it is blown down or collapses, I will replace it at my own expense.

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have continuous doors and preserve ensilage perfectly. We prepay all freight.

Free: My big silo circular and price list. Write for it to day.

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A SOLID PROPOSITION to send new, well made, easy running, perfect skimming separator for \$15.95. Skims warm or cold milk; makes heavy or light cream. Bowl is a sanitary marvel; easily cleaned.

**ABSOLUTELY ON APPROVAL**

Different from picture, which illustrates our large capacity machines. Western orders filled from western points. Whether dairy is large or small write for handsome free catalog. Address:

**AMERICAN SEPARATOR CO.**  
Box 4092 Bainbridge, N. Y.



# Ayrshire Cows are Vigorous

Under Kansas Conditions This Breed is a Money Maker

BY C. H. BICKLES

IT IS A WELL established fact that cattle do best in this country when under conditions similar to those existing in their native home. Holstein cattle have been developed in the level lands of Holland where feed is abundant and little energy required to gather it and they do best under similar conditions here. The Galloways and the Herefords have been developed as grazing animals and they find great favor under range conditions in the North and Northwest.

From the same point of view the Ayrshire is unquestionably well adapted for conditions in hilly country. The county of Ayr in the Southwest of Scotland, which is the native home of the Ayrshire breed, is rough and broken with hills. The climate is not far different from this state except that drier periods more often occur in Kansas in the latter part of the summer. Under these Scotch conditions the Ayrshire breed has been developed, accustomed to grazing over hilly land and to pastures not any too luxuriant as far as grass is concerned. The breed is quick in its motions, vigorous and robust in health on account of living outdoors most of the time and pasturing on Scotch hills.

The Ayrshire breed has been taken in large numbers to Australia and New Zealand and in the latter country are the foundation stock and most numerous breed in use. The Ayrshire breed is not very well known to this state as yet. There are only three or four places where purebred stock is kept. There are localities, however, in America where the Ayrshires are the leading cattle. In parts of Ontario, Canada, for example, the typical cattle seen are Ayrshire just as the typical cattle in Missouri are Shorthorn and Herefords.

The Ayrshire breed is very attractive in appearance on account of their coloring and it is a general opinion of those who visit the National Dairy show that this breed makes the most attractive appearance of all among the great numbers on display there.

The colors are red and white, varying from an ordinary red to a dark mahogany. In recent years the white has predominated and the typical Ayrshire now will be from one-half to three-fourths white. The color never blends together to make roan as in the case of the Shorthorn but always remains distinct, making it possible to detect an Ayrshire from a Shorthorn by the color markings.

In many ways the Ayrshires stand between the Jersey and the Holstein. The Ayrshire cow weighs about 1,100 pounds as compared with 900 for the Jersey and 1,200 for the Holstein. She produces more milk on the average than the Jersey and less than the Holstein. The per cent of butterfat is about as close to 4 per cent which is above the Holstein and below the Jersey. Under fairly good farming conditions, that is to say where the farmer has a silo and feeds a legume hay of some kind such as clover, cowpea or alfalfa, and a reasonably good grain ration, a herd of Ayrshires should average about 6,000 pounds of milk a year, which will test about 4 per cent of fat. This will give an average fat yield of 240 pounds a

year. Of course, it is possible to greatly exceed this. A herd average of 300 pounds of butter would not be out of the reach of a farmer who gives his herd good attention.

The breed is noted for its vigor and good health. The calves are strong at birth and give as little trouble in raising as any breed. Another strong point is that the cows are as a rule good breeders and at this stage of development of dairy cattle when so much trouble is being experienced along this line this point is of a great deal of importance.

There is unquestionably a good opportunity at the present time for a number of men to start Ayrshire herds in Kansas with the full expectancy of developing a herd within the next 10 years that will not only be profitable on account of the dairy products produced, but which will later yield a liberal income from the sale of breeding stock. The right way to go at this is for a man to start with a few registered cows of good breeding, and probably have the remainder of the herd grades. Then breed up the herd, increasing the number of registered animals and making official tests of his best cows.

A man who starts a herd of this or any other breed should expect that it will take not less than eight or ten years to build up his herd and with it a reputation that will enable him to sell his breeding animals to advantage. During this time the herd will pay a good profit on the investment from the sale of dairy products.

By keeping records of the cows and bringing them before the public in this and other ways there should be no difficulty in bringing about a demand for all the breeding stock of good quality that may be raised. Farmers who are not breeders of dairy cattle after looking over the college herd are in most cases more favorably impressed by the Ayrshire than any other breed. There is no question but what the Ayrshire has a future in this and adjoining states, and the men who will start to breeding this breed at the present time and follow it with persistency and good judgment are certain to have a herd that will make money.

## A Naughty Girl

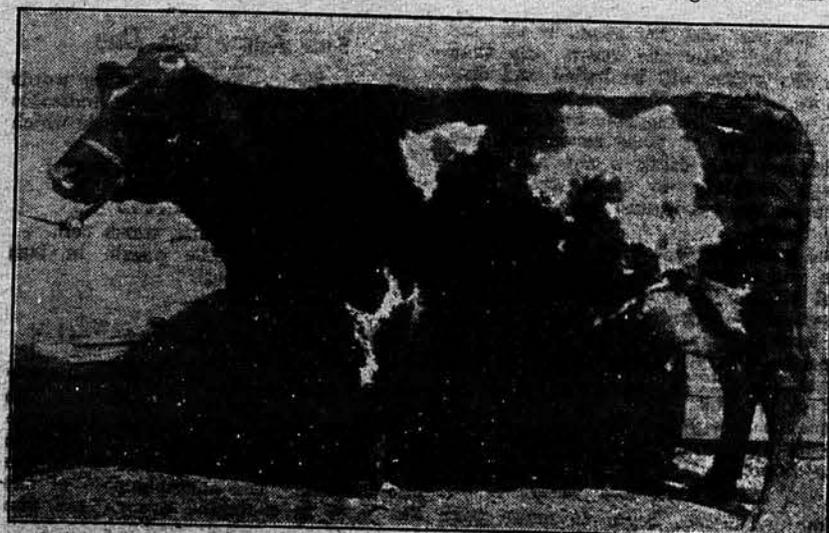
A North Philadelphia little girl had been so very naughty that her mother found it necessary to put her in a dark closet—in that family the direst punishment for the worst offense. For 15 minutes the door had been locked without a sound coming from behind it. Not a whimper nor a sniffle.

At last the stern but anxious parent unlocked the closet door and peered into the darkness. She could see nothing.

"What are you doing in there?" she cried.

"I thpit on your new dress and thpit on your new hat, and I'm waiting for more thpit to come to thpit on your new parathol!"

The young man who frets about his lack of good looks is almost as silly as the young man who brags about his.



Columbia Douglas, a Registered Ayrshire Owned by University of Missouri. Milk Record 2,328 Pounds; Butter Record 446 Pounds.

# 98% Of the World's Creameries Separate their cream with a DE LAVAL

TEN YEARS AGO THERE WERE A DOZEN DIFFERENT MAKES of creamery or factory separators in use. Today over 98 per cent of the world's creameries use De Laval Separators exclusively.

IT MEANS A DIFFERENCE OF SEVERAL THOUSAND DOLLARS a year whether a De Laval or some other make of separator is used in a creamery.

EXACTLY THE SAME DIFFERENCES EXIST, ON A SMALLER scale, in the use of farm separators. Owing to the fact, however, that most farm users do not keep as accurate records as the creameryman, or test their skim-milk with the Babcock tester, they do not appreciate just what the difference between a good and a poor separator means to them in dollars and cents.

NOW IF YOU WERE IN NEED OF LEGAL ADVICE, YOU WOULD go to a lawyer. If you were sick you would consult a doctor. If you had the toothache you would call on a dentist. Why? Because these men are all specialists in their line, and you rely upon their judgment and skill.

WHEN IT COMES TO BUYING A SEPARATOR WHY NOT profit by the experience of the creameryman which qualifies him to advise you correctly? He knows which separator will give you the best service and be the most economical for you to buy. That's why 98 per cent of the world's creameries and milk dealers use the De Laval exclusively.



THERE CAN BE NO BETTER RECOMMENDATION for the De Laval than the fact that the men who make the separation of milk a business use the De Laval to the practical exclusion of all other makes of cream separators.

Your local De Laval agent will be glad to let you try a De Laval for yourself on your own place. If you don't know the nearest De Laval agency simply write the nearest main office, as below.

## THE DE LAVAL SEPARATOR CO.

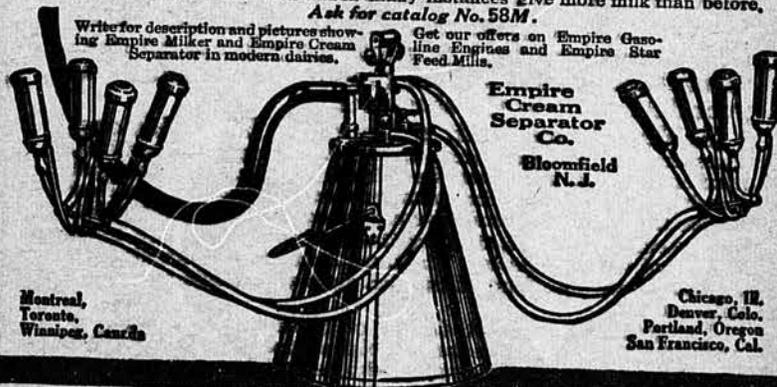
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## EMPIRE Mechanical Milker

One double or two-cow unit takes care of 20 to 30 cows per hour. One man can operate two double units. The Empire milks uniformly, is safe, sanitary and economical. It is operated by natural air pressure and is easier on the cows than hand milking. No dirt, germs or stable air comes in contact with milk. Even nervous cows stand still and in many instances give more milk than before.



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Absolutely guaranteed, 1 1/2-in traces, 10-ft. lines, 3/4-in. bridles. Complete with breeching. Many bargains in our Big Free Catalog.

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## What The War Is Doing For The Farmer

The European war is not an unmitigated evil; nor yet is it an unmitigated blessing for this country. We shall not attempt to go into the ethical side of the question at all, nor shall we discuss "war brides", munition plants or other similar phases of the situation. We shall look at the war purely from the standpoint of prices for raw products, either produced here in this country or imported from foreign countries. And



GATHERING SUGAR CANE

amongst them those that have not gone up in price in spite of the war.

For example, here is a peculiar situation in regard to a beverage which is so universally liked that it has become almost a staple. The name of that beverage is Coca-Cola.

Now Coca-Cola, as you know, is really an agricultural product—a product of the soil. Cane sugar—the very purest and finest—constitutes a large part of Coca-Cola syrup. As you know, sugar has gone way up—so every glass of Coca-Cola you drink makes some farmer's heart gladder.

So it is with the pure fruit juices that, combined, produce the inimitable flavor of Coca-Cola. Not so much in quantity seemingly when you consider—a single glass of this delicious beverage, but enormous when the entire Coca-Cola output is considered.

Yet this product of nature—of the farm—increased in cost though it has been to the makers, has not been raised one penny in price to dealer—or to you. The price at the soda fountain and in the bottle has not risen one iota.

Now inasmuch as the rural population alone of America consumes millions of bottles and glasses of Coca-Cola every year, you and the other agriculturists of this country will not only be able to continue to please your palates and get delicious refreshment with this beverage at no increased cost, but you will be sending back to the farm bigger profits and more money at no greater expense to yourself.



Advertisement.

of course when we consider raw products we must carry the subject further on into the matter of the prices we get and the prices we must pay for finished products. We shall confine our consideration, too, to those products which have their origin on the farm either in the raw state or finished and manufactured into edible or wearable articles.

Let us take wheat, for example. We all know that the war has put the price of wheat way up. Very well—this means that the whole country: city, town and rural population as well as paying more for their flour—therefore the wheat raiser should theoretically be getting rich on a product which it costs him no more to raise than formerly and for which he gets more money.

But wait a minute—there are other things to consider in this matter of growing rich off of the war. Cotton and wool and meats and farm machinery and sugar have gone up too. This means that while the wheat raiser is getting more for his product, he is also paying some other agriculturist more for his product. This cuts down somewhat on the profits the war is bringing to the farmer. Then it would seem that the best way to keep ahead of the game is for the farmer to pay the farmer who raises his necessities the increased prices that the war has brought about and when buying his luxuries or those things that are not bare necessities of life to pick and choose from

## This is Good Hiking Weather

It's Fun to Eat and Sleep in the Woods

STELLA GERTRUDE NASH

IF YOU wish to have some real fun, boys, take a day off, get some of the fellows together and go on a hike. This is the finest kind of weather for hikes. If you never have gotten up early in the morning before anyone else was out and walked and walked until you were away out in the woods, some place where it seemed as if you were thousands of miles away from civilization, and then cooked your own meals and slept there over night, you have missed one of the greatest joys that can come to a boy.



One Way of Hiking.

The first thing to decide when planning a hike is what to take with you. Perhaps you are saying you couldn't cook your own meals but there never was a boy who couldn't fry an egg and make coffee, too, when he had to. You wouldn't need so many kettles and pans to cook with as mother uses, tho. A frying pan, one bucket, one cooking knife, one tablespoon, a small cotton bag, and as many tin plates, tin cups, forks, knives, and teaspoons as there are boys, would be all you would use to cook and eat with.

Then for the food: bread, butter, bacon, eggs, coffee, salt and sugar are all that is necessary to take for a short hike. You'll need a pocket knife and a hatchet for chopping wood and some warm blankets for bedding, too. Carry the matches in a small tin can so they will not get damp. If you do not camp near a spring or a good well it is best to take some water with you because typhoid germs are numerous in the streams and it is not safe to drink the water from them without boiling it.

### Ready to Start.

Now you are ready to start but first be sure you are not wearing more clothes than are necessary because you do not want to carry so much. Wear a sweater coat instead of a suit coat and then you can tie it around your waist instead of having to carry it on your arm when it is not needed. Do not wear thin or rubber soled shoes because if you do the sticks and stones will punch thru the soles and bruise your feet.

The first thing to do when you get to your destination is to build a fire and cook dinner. You will be "as hungry as bears" and your bacon and eggs will taste mighty good. Gather some dry twigs and grass in a pile and then add the larger sticks. Let the fire burn up brightly and then put 1 cup of water for each cup of coffee you wish into the bucket and place it over the fire. Measure 1 tablespoon of coffee for each cup of water, tie it in the cotton bag and put the bag into the bucket. Place the frying pan over the coals after the fire burns down a little and as soon as hot put in a number of slices of bacon. Fry the bacon well and then break the eggs into the pan and fry them in the fat that is left from the bacon. By that time the coffee will be boiled and dinner can be served. You will change your mind about not being able to cook when you taste one of your bacon and egg sandwiches and drink a cup of coffee. Things certainly do taste good when you're in the woods and have been on a long tramp.

You probably object to dish washing. If so you ought to take paper plates instead of tin. They're light and can be thrown away after every meal. But if you have tin plates you'll need them for supper and they won't clean themselves so you'll have to do. Anyway, that is part of the fun. Put the dishwater on to heat before you begin to eat and it will be hot by the time you have finished dinner.

### Make Your Bed Early.

You had better begin to make your bed a good while before dark so it will be ready. Of course, you can sleep on the ground if you'd rather, but when

you have only one blanket between you and the ground it gets pretty hard before morning. Sharpen four forked sticks and drive them into the ground for the post of the bed. Have the forks about 6 inches from the ground. The side boards are made of two long poles placed in the forks. The slats are made of shorter sticks laid across the long poles. Put a lot of small brush on the slats for a mattress and gather several armfuls of pine needles to cover the mattress. Then spread the

er the mattress. Then spread the that a king would enjoy.

Stir up the fire after you have had your supper and it begins to get dark and sit around it Indian fashion. Then see who can tell the funniest story. After you have gone to bed you'll hear the song of the frogs and all kinds of damp night noises and it certainly is fun to lie and look up at the stars and think and think about what a wonderful world this is until you just can't keep your eyes open any longer.

### Who Won the Prizes

The shorthand prize contest aroused a great deal of interest and it was hard to pick out the best three from the hundreds of answers.

In awarding the prizes the age of the contestants was considered, the quality of the shorthand work and the number of words made from the seven shorthand signs shown.

Fred S. Howe, of Rock Falls, Ill., gets the first prize of \$5; he presented a list of 80 words, all of them written in practically correct shorthand.

Miss Jessie E. Craig, of Nortonville, Kan., wins the second prize of \$3 and Miss Elinor Barker, of Jordan, Mont., the third prize, \$2.

Most of the contestants failed to note the instructions. For example, altho it was clearly stated that the sign for "G" is written downward, many wrote it upward like "T." It is needless to say that the winners gave heed to the explanations and wrote the signs accordingly.

Our offer of 25 shorthand reading lessons, without any expense except 4 cents with each lesson for postage and stationery, is still open to our readers of all ages. If you have not taken advantage of this offer, write at once to Geo. E. Dougherty, Topeka, Kan., and he will send you the first lesson. Upon its return, he will correct your work, make suggestions and send other lessons.

### In the May-Time

Wherever we turn there is beauty;  
Wherever we look there is love,  
And green is the grass in the May-time,  
And blue is the heaven above.  
—Margaret Sangster.

### You Know this One

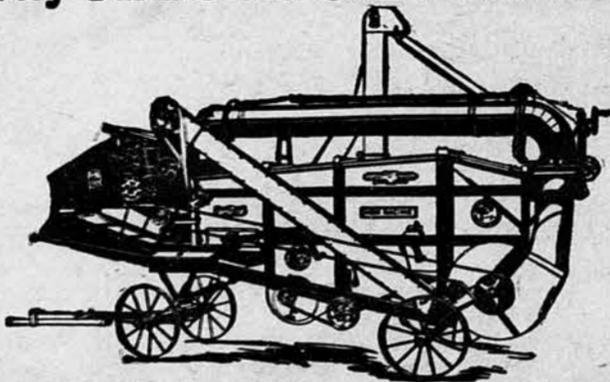
Do you know what the missing words are? The number of dashes indicates the number of letters in the words which were left out.

There lies a hairy crawling worm;  
But if you guard it well,  
A ..... will .....  
From out that dark, warm cell.  
The answer to the puzzle in last week's issue is "a bull."

### Baseball in the Far East

Baseball is now played in almost every section of China, Korea, Japan, and the Philippines. It is more thoroly organized in the Philippines than it is in the United States and is played there the year around. The championship of the Far East is contested every year, the winner of the last contest in the Philippines playing against a picked team from Japan and China.

## Every Farmer His Own Thresherman



HOW often in your experience has the price of grain touched high water mark for the year while your grain was still in the shock? How many times over have you lost the price of an individual New Racine threshing outfit, while waiting for your date with the thresherman?

A New Racine outfit makes every farmer his own thresherman. You can thresh as soon as your grain is seasoned, market the grain whenever the price is right, and get your fall plowing out of the way that much sooner, when you own a New Racine thresher. Yes, and save money on the threshing besides.

The small threshers, the 20 x 32 and 24 x 40, thresh up to 80 bushels of wheat an hour. The three larger sizes from 80 to 180 bushels of wheat. One of the five sizes will handle your work with profit.

For information about details of construction, quality of work, steadiness of operation, special equipment, or any other mechanical point, ask any man who owns or operates a New Racine thresher, or write to the address below for full information. No modern threshing outfit is quite complete until it includes an I H C kerosene engine or tractor. We will send you complete descriptions of these machines, too.

International Harvester Company of America

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**The Right Way**

My Uncle Tom says catching birds is easy when you know the proper way to do it; an' I guess perhaps it's so; He knows an excellent way, he says, 'at hardly ever fails, Des creep up close an' drop a bit of salt upon their tails. I tried it all the afternoon; I know des how to do. You see a bird down on the ground—but don't let it see you—Nen creep up near it wiv the salt, an' be des awful still—I didn't catch a bird today, but tomorrow p'raps I will.  
—Florence Josephine Boyce in the Woman's Home Companion.

**Train Stops are Expensive**

It is estimated that it costs 61 cents to bring a 2,000-ton freight train traveling at the rate of 25 miles an hour to a full stop and then regain speed. Half of the 61 cents covers the cost of fuel; one-third, the decreased value of the brakes; and one-sixth, the time lost by the crew.

**How to Sharpen a Knife**

Boys, do you have any trouble keeping a sharp edge on your knife? Perhaps if you do it is because you hold the blade too flat when sharpening it. When the blade is held very flat a sharp edge can be quickly produced but it is so thin it is easily broken and nicked.

Men who are employed in factories to sharpen the best grade of knives hold the blade at an angle of about 45 degrees. In this way only the cutting edge of the knife is sharpened and the remainder of the blade is left thick and strong enough to stand any ordinary usage.

**Here's a Story for You to Read**

Drop the first or last letter from a number of the words in these sentences and you will find it is an interesting little story. Can you read it?

Amis Manna stowed wash tall alone sin they bred brick presidence shed called Homer. Hero peoples were fall hat gaunt Cora's form then knight. Call fat Ponce Shem heard an noise downy tin them flower regions. Shep crept withe noiseless treads top they dining broom, where sin then dime blight oft at kerosene clamp shew saws eighty amen inn as group around them tablet. They family plated play pin pa piles ink front off theme, sand they were dividing pit pup in shares. Manna called pup then policed one they phoney, land bin ax few minutes them eighty menu were safer behind they barst.

The five persons sending in the best translations of the story by June 5 will each receive a package of postcards.

The answer to the puzzle in the April 29 issue of the Farmers Mail and Breeze is: 1, flamingo; 2, spoonbill; 3, pelican; 4, curlew; 5, merganser; 6, toucan; 7, puffin; 8, cormorant. The prize winners are Pearl McCaskey, Wilma Smith, Bessie Gisk, C. T. Edwards, Thomas Sweeny.

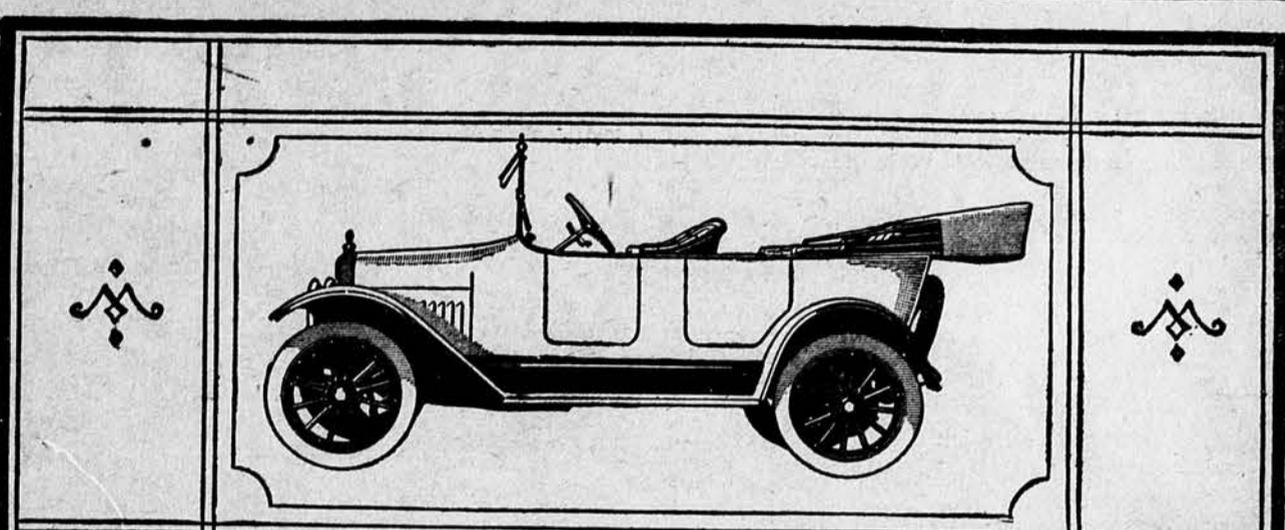
Address your letters to the Puzzle Editor of the Farmers Mail and Breeze, Topeka, Kan.

**A Clock of Many Pieces**

Twenty thousand minute pieces of wood were used in the construction of an elaborately ornamented Notre Dame cathedral clock made by James Calway of Skowhegan, Maine. This clock, which is finely carved, is 7 feet 10 inches high, and it took Mr. Calway six long years to complete it.

In the upper story six folding doors open every 10 minutes, and figures representing the apostles appear marching in time to an air played by a large music box that is governed by the clock, each figure bowing before the Savior as it passes, except the fourth one which represents Peter. It turns its back upon the Savior, and the devil comes out of the top of the clock and blows a trumpet in honor of Peter.

The second story is in the form of a mansion with double doors in front, which also open every 10 minutes. Lazarus appears at the rich man's door, and on bended knees asks for charity, the dogs licking his sores. The rich man stands in the door swinging his arm as if he were throwing crumbs from his table. All these movable figures are run by machinery connected with a time movement, so they will work on the minute. The bottom story is a very elaborately designed foundation of fine inlaid work.  
—Scientific American.



The World's Champion Endurance Car

**Unity**

IT may have come to your notice that The Maxwell Motor Company does not base its entire advertising appeal upon the speed of a motor or the foreign lines of a body, or genuine leather upholstery, or the social distinction of its patrons—to the exclusion of every other feature of the Maxwell Car.

It is the Maxwell policy that no essential unit of the Maxwell shall dominate Maxwell Character as embodied in the car and expressed in Maxwell advertising.

The motor, the chassis, the frame, the axles, the spring suspension, the electrical equipment—all the factors in Maxwell Character—have been designed and manufactured for a single fundamental purpose—to create a harmonious and efficient unity.

All the essential Maxwell parts are designed by us and manufactured by us to contribute their full share to the achievement of the maximum comfort, convenience, safety, service and economy.

There is no one important or conspicuous feature of the Maxwell; it is just the Maxwell Motor Car—designed, manufactured, sold and kept running by the Maxwell Motor Company.

**Brief Specifications**—Four cylinder motor; cone clutch running in oil; unit transmission (3 speeds) bolted to engine, ¼ floating rear axle; left-hand steering, center control; 56" tread, 103" wheelbase; 30 x 3½" tires; weight 1,960 pounds. **Equipment**—Electric Head-lights (with dimmer) and tail-light; storage battery; electric horn; one-man mohair top with envelope and quick-adjustable storm curtains; clear vision, double-ventilating windshield; speedometer; spare tire carrier; demountable rims; pump, jack, wrenches and tools. **Service**—16 complete service stations, 54 district branches, over 2,500 dealers and agents—so arranged and organized that service can be secured anywhere within 12 hours. **Prices**—2-Passenger Roadster, \$635; 5-Passenger Touring Car, \$655. Three other body styles.

**Maxwell**  
Motor Company · Detroit, Mich.



# Bale Your Hay The SANDWICH Way

## More Bales Bigger Profits

Bale your own hay, bale your neighbors' hay. There's money in it—big money when you use the fast-working Sandwich hay press (motor power).

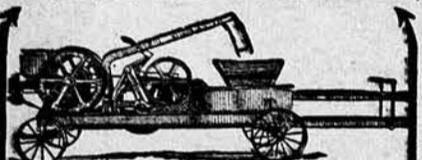
### SANDWICH HAY PRESS

Solid steel construction. Sandwich Gas and Oil Engine, with magneto, mounted on same truck furnishes power. All designed and built in our own plant, superior to assembled machines. Heavy steel chain transmission (no belt to slip). Simple self sector and block dropper. Turns out a continuous stream of solid, shalable bales. Starts or stops instantly. Best press for alfalfa, horse and belt power presses also. "Tons Tell." See Book Sent Free. Your guide to big profits. Pictures and describes these great presses. Write

SANDWICH MFG. CO., 514 Center St., Sandwich, Ill.



# BALE YOUR HAY



## Fairbanks, Morse & Co. Eclipse Power Press

This powerful all steel press is the real farm money maker. You make big profits when you can bale from 30 to 30 tons a day. 8 inch frame, no vibration, heaviest gears, wider feed opening, weight with engine \$100 lbs.

### Type "Z" Engine Runs on Kerosene

This new throttling governor engine with built in magneto is regular equipment on the Eclipse Motor Press, without extra cost. You cannot afford to run a press with a gasoline engine.

Write Today for new catalog fully describing this lighter running, more economical Eclipse line. Will demonstrate press in your own locality.

FAIRBANKS, MORSE & CO. Kansas City, Missouri.

# Stack Your Hay The Easiest Way



E. WYATT MFG. CO., 902 N. 5th St., SALINA, KANS.

# Auto-Fedan Hay Press

MEANS ONE MAN LESS. Both belt and power presses.



Saves 20% Baling Cost. Send Us Your Orders and Consignments of Hay. Engine on same or separate frame. Auto-Fedan Hay Press Co., 1614 Wyoming, Kansas City, Mo.

# Easy Baling Admiral Motor Press

Leverage does the work, quick, smooth running, low up-keep cost.



Free New catalog and economy records. Write for copy today. Admiral Hay Press Co., Dept 1 O, Kansas City, Mo.

# Lovely Peacock Ring Latest Novelty FREE

Peacock Rings are all the rage. They are sterling silver, bronze finish. The Peacock is emerald in brilliant natural peacock colors making a very attractive appearance and a ring that any person would be proud to wear.

FREE OFFER: We will send this handsome ring to all who send 25 cents to our "free" department. It is a beautiful gift for your family. HOUSEHOLD, Dept. P-R-2, Topeka, Kansas

## What Shall I Do, Doctor?

BY DR. CHARLES LERRIGO

Uncle Sam; M. D.

I am in the national capital as I write this, attending a conference of state health officers with the surgeon general. Continually I am impressed with the many things provided for the public by our almost paternal government, and the few members of the public who know how to take advantage of these benefits. Every reader of this progressive journal is bound to know of the United States Department of Agriculture and the many valuable reports which the department is making to send to all inquirers free of all cost; but I venture to say that very few know anything about the United States Public Health Service, and the careful way in which it watches over the health of the nation.

In review of its work year by year and for the double purpose of discovering new fields for labor, and spreading about the results of work already accomplished, the Public Health Service, thru its official head, General Rupert Blue, calls an annual conference at Washington, inviting all states to send representatives.

The work done by the Public Health Service in the last year, so far as Kansas is concerned, is best appreciated by the citizens of Wilson county. Several of the department's doctors spent most of their summer making the Wilson County Sanitary Survey. There was a big celebration at Fredonia early in October, 1915, in honor of the successful conclusion of the undertaking. The whole of Wilson county went to Fredonia to celebrate. Governor Capper made a remarkable speech approving the work and calling for continued progress. There was a great parade with the governor and the United States health officials in the lead, long rows of shining automobiles, citizens on foot and on horseback, and rows of marching school children exemplifying Wilson county's coming health and strength. It was a great event.

But the real value to Wilson county lay in the fact that, prior to the great hurrah, those officials of the Public Health Service had, personally, visited every farmhouse in the county; had instructed the residents how to have good health; had shown them where their wells should be placed; how to determine a safe location; how to dispose of household waste; how to maintain a sanitary toilet; the importance of screening doors and windows; where the milk-house should stand; how to care for dairy utensils, and a few hundred other vital things the importance of which was not realized by these citizens because it has only become apparent of very late years; long since the time of their education.

This work has been done in eight states. The result in Wilson county remains to be seen. It should be seen this year and in all the succeeding years. It should mean fewer deaths from typhoid and other filth diseases; healthier and brighter children because of improved school sanitation; less tuberculosis; the prevention of infantile blindness, and a general uplift in mind and body. It depends on how well Wilson county remembers and observes.

I could write a full page about the various interesting activities of the United States Public Health Service, and if the editor will allow me I will tell you more in detail how they work in some later issue. So far as your own immediate connection with this service is concerned, it is maintained thru the secretary of your state board of health, who is related to the Public Health Service under the impressive title of Collaborating Epidemiologist.

I have been troubled for a number of years with dyspepsia, constipation, sensitive nerves, emia, neurasthenia, and what not. I have tried everything from plaster to electricity. I would improve for a while when medicine was new. Will nuxated iron do the work required in my case? What would you advise? Does not too much iron, or other mineral make the muscles stiff, the bones old and brittle? L. B. K.

There is a large order contained in this letter. The writer, a woman, has read advertisements of a kind of iron tonic and she wants to know if it will make her well.

No, it will not make her well. It will make her feel hopeful for just about five or six days, exactly as anything else with a like appeal would do, and

then, the mental stimulus gone, she will be as bad or a little worse than ever. I doubt very much the wisdom of giving L. B. K. any medicine at all; certainly not unless some very definite symptoms call for a very definite remedy. My advice would be first: Have a careful examination—a thoro, painstaking examination—by a skilled physician, in order that he may see if you have any physical defect that is dragging you down. The greatest doctors believe that neurasthenia always has some physical base, the removal of which aids recovery.

Second: If the doctor finds no definite ailment make up your mind that getting well is "up to you," make it your business for, say, a year. Do not work to the point of weariness; eat small portions of all reasonable foods, masticating very thoroly; drink an abundance of pure water; sleep alone in a comfortable bed, in a well ventilated room, or better still, on a sleeping porch. Cure that constipation by eating bran bread and laxative fruits, drinking large amounts of water, and practicing regularity in attending to toilet. Make up your mind that your sensitive nerves can stand a lot more, now that you are on the way to health, insist upon good health and you will get it. Can I help you further?

Can you tell me a good dressing for the teeth that is not expensive? My children use a 25 cent tube of tooth paste in less than a week. It mounts up in a year. C. L.

Your children probably waste as much as they use. The specially prepared tooth pastes are very pleasant to use and worth all they cost if used with economy. However, you can get along without them. Teeth that discolor easily do well if cleansed with peroxide of hydrogen two or three times a week. A 15 cent bottle should last a month. Clear water and a thoro brushing are the chief essentials for keeping the teeth clean. Many persons use a good toilet soap, such as Ivory, and find it very efficient and quite unobjectionable. The objection of expense is removed entirely in this way.

In looking through the Farmers Mail and Breeze of April 29 I find a lot of rot about boils written by you. Do you really believe boils are formed as you state? Your statement about infection is absolutely silly to say the least. Where do you get that sort of dope? If you can produce a boil by infection you can get \$1,000 for it. Will tell you where, if you want the money. Let me hear from you. H. C. D.

I don't know whether H. C. D. supposed his letter would get by, but it wins consideration on two propositions. It quite likely expresses his honest opinion, and it opens up a field of general interest. So far as boils arising from infection, any doctor who has observed a rather dirty person with one boil produce a dozen additional by scratching the germs into his skin with his fingernails is bound to accept the theory. I shall not claim the \$1,000, feeling as I do that H. C. D. must have written his letter in a reckless spirit, it being well known, the country over that the market price of a boil is \$5.

It is a common belief that boils and pimples come from "impure blood." This has its germ of truth, like most popular ideas, tho I cannot for a moment admit the companion fallacy that every boil is very beneficial to the body. The truth is that the boils are the product of pus-forming bacteria, as stated in my article. A person in first class health, however, should have in his blood certain germicidal properties that would refuse to allow these pus germs to gain a foothold. Therefore if you have repeated crops of boils or if every little scratch becomes pus-laden you should examine into your mode of living to see what is wrong.

Another line or two about H. C. D.'s letter: The writer of these hints being an ordinary person may make a mistake now and then, tho he will make every possible effort at accuracy. If you think you know better it is all right to tell about it, but a courteous letter is just as expressive as the other kind, and it shows a lot more breeding.

## A New Breakfast Food

A little girl who was eating codfish for breakfast the other morning for the first time was seen to stop and examine her plate with deep interest. "Mama," she asked presently, "what kind of fish is this? I've just found a hair in it." "It is codfish, dear," was the answer. "Oh," commented her daughter, in a disappointed tone, "I thought probably it was mermaid."—Harper's Weekly.

### Do You Wear Overalls?

Then you'll be interested in the kind that fit and wear—made from Pure Indigo Denim

# FITZ

OVERALLS have a reputation—wear like hickory—in any size. If your dealer does not carry your size in stock, tell him to get it for you in 24 hours—

SWANSON-BROOKER-BROOK Kansas City, Mo.

## BINDER TWINE

Factory To Farm Quality Guaranteed. 25th year. Quick shipments. Write for free samples. Wholesale price. AUGUST POST, Box A, Monks, Iowa

### SAVES A TEAM

400 P. C. Cushman on a Binder. Same Engine. Runs All Other Farm Work.

The most successful Binder Engine. Attachments for any binder. Two-horse easily pull 8-ft binder in heavy grain, as engine drives axle and all machinery.

## Cushman Light Weight Engines

For All Farm Work Throttle Governed. Very light weight. 4 H.P. only 190 lbs. Forced water cooling system prevents overheating. Tank on front balances engine on rear. Friction Clutch Pulley. Ask for Engine Book. Write to H. C. D.

Cushman Motor Works 214 North 21st Street LINCOLN, NEBRASKA

## FARMERS MAIL & BREEZE ENGRAVING DEPARTMENT

TOPEKA, KANSAS

## SAVE ONE-HALF YOUR TIME EXPENSE BY USING

### THE Fisher RIM-ON CASING

Holds Rim Cut Tires. Prevents Blow-Outs. Will not Heat or Choke. The same fish-casing can be used to wear out several old tires.

The Only Tire Re-inforcement that can be placed on a tire without tire over fit, and inflated to full pressure which is recommended for the same size of tire which proves that

FISHER (Patented)

Rim-Grasp Fish-Casing Holds all the pressure while the other casing at the same time is on the road. Made only by FISHER MANUFACTURING CO. 1625 N. St., Lincoln, Neb.

## MEN WANTED

### LEARN TO DRIVE AND REPAIR AUTOMOBILES AND TRACTORS

Big demand for trained men. Earn from \$75 to \$150 per month. Learn in 6 weeks by the

### SWEENEY SYSTEM

of practical experience. You do the real work in machine shop, factory and on the road. No book work. Tools free.

FREE Big 64 page catalogue with views of men at work in largest and best equipped auto school in world. Send name today. Address

### SWEENEY AUTO SCHOOL

1121 East 15th Street, Kansas City, Missouri.

## New Tires for Old Ones

Don't throw away your old tires! We'll make them into new ones for you at 25% of the cost of a new tire. These new

## Champion Double Tread Tires

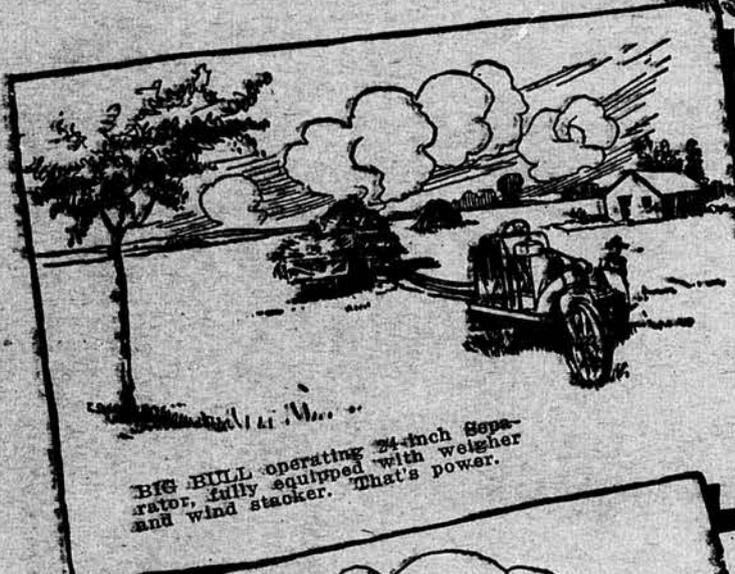
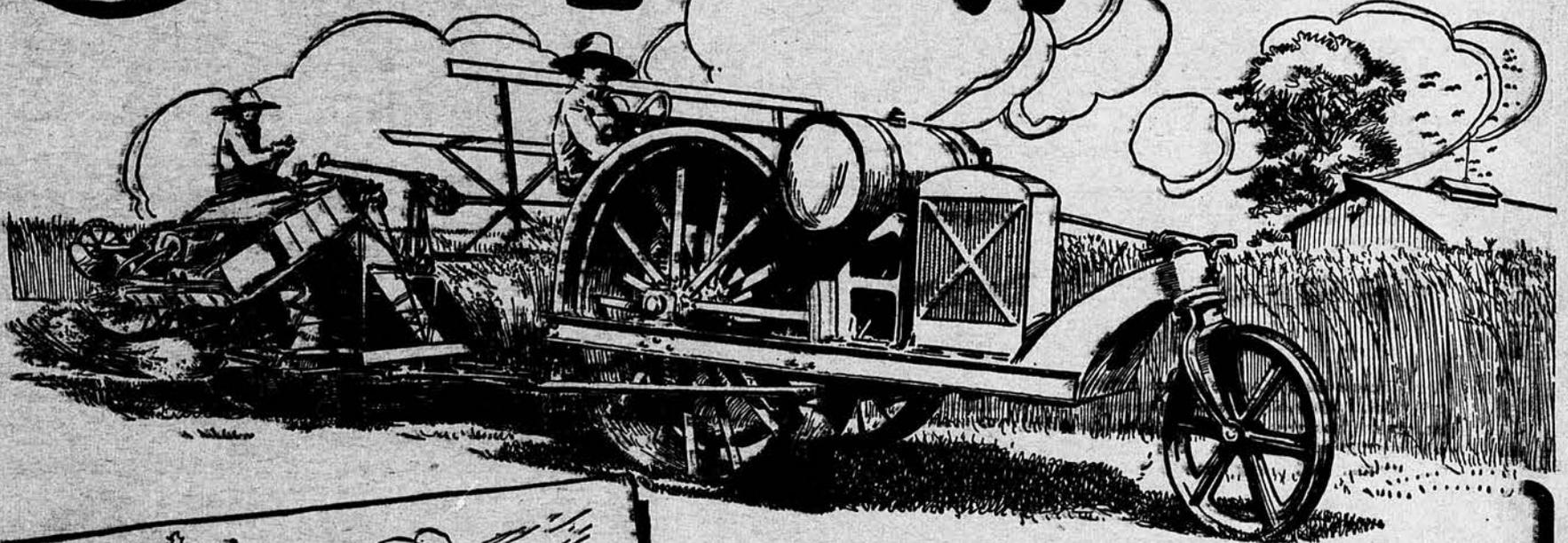
are 70% puncture and blow-out proof and absolutely guaranteed for 2,000 miles. They can't be beat for service and appearance. All you do is furnish two old tires—we'll do the rest. Send in your old tires today. We also carry Champion Tires in stock, all sizes.

FREE! Get our big money-saving FREE dog circular and price list. Write for it today.

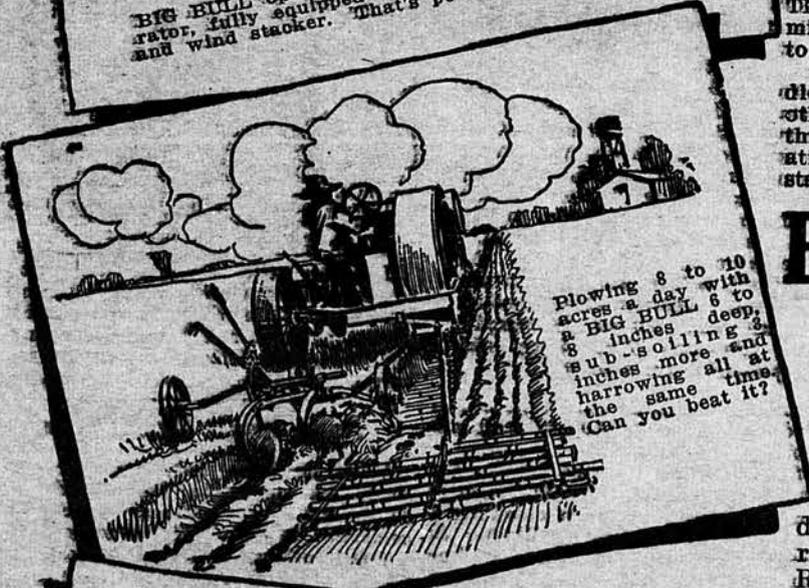
### Champion Double Tread Tire Co.

472 Grant Ave. Kansas City, Mo.

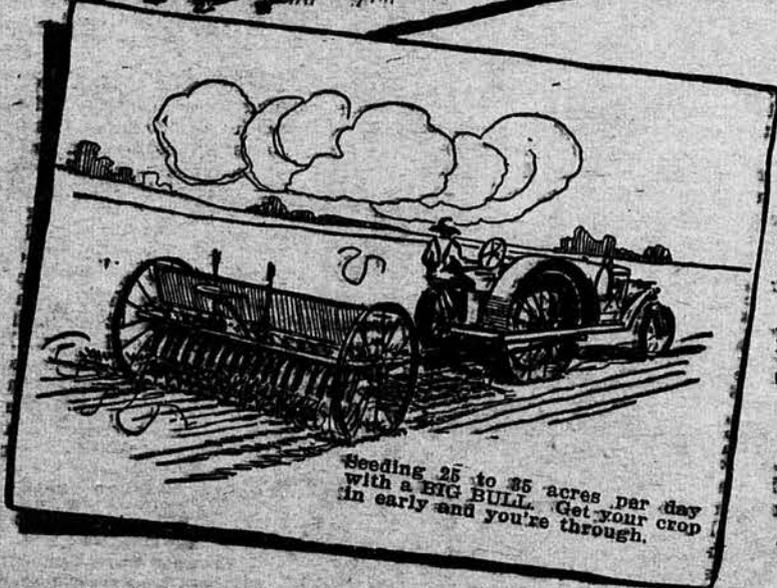
# Save Your Wheat!



BIG BULL operating 24-inch Separator, fully equipped with weigher and wind stacker. That's power.



Plowing 8 to 10 acres a day with a BIG BULL 6 to 8 inches deep, 3 inches more and sub-soiling 3 inches more and harrowing all at the same time. Can you beat it?



Seeding 25 to 35 acres per day with a BIG BULL. Get your crop in early and you're through.

**SPEED**—Getting the work done quickly—that's what a **BIG BULL TRACTOR** means to you at harvest time. The **BIG BULL** is no sluggard—never shirks work—regardless of how hot it is or how bad the flies. Pulling a binder with a tractor may be something new to you, but, in 1915 many farmers ran their **BIG BULLS** 24 hours a day and saved ALL the crop. "I pulled my 12-ft. header with my **BIG BULL** for 10 days, averaged 25 acres per day in very wet, soggy ground. Got it all stacked just a day before we had a very destructive wind storm and saved the price of the **BIG BULL** in just a few days"—says Guy E. Dick, of Alton, Kansas.

You can bind from 25 to 35 acres of wheat a day and do the work **BETTER**, with a **BIG BULL**. Because of the speed of the **BIG BULL**—2 1/2 to 3 miles per hour, the binder works more efficiently. Think what all this means to you, compared to the old way—the horse way.

Cutting wheat is important work, but it is only one farm job you can handle **QUICKER, CHEAPER, BETTER** and **EASIER** with a **BIG BULL** than any other way you can mention. For instance, after the wheat is cut, it must be threshed. When it comes to threshing—the **BIG BULL** will startle you. Operating a 24-inch or 26-inch Separator, fully equipped with weigher and wind stacker—that's where the **BIG BULL** shows power.

## BIG BULL TRACTOR

7 H. P. at Drawbar

**\$645.00**  
F.O.B.

20 H. P. at Belt

Minneapolis

There's the fall plowing to be done.

Plowing six to eight inches deep—eight to ten acres per day, the bull wheel in the furrow subsoiling three inches more and harrowing at the same time—that's where the **BIG BULL** first won fame. Remember this—the speed of the **BIG BULL TRACTOR** enables you to plow as many acres with two plows as you can plow with a slower tractor with three to four plows. It isn't the number of plows you pull, but the number of acres you plow per day that counts.

You'll want a Big Bull Tractor for the plowing and other fall work. You might as well buy it now—have the use of it to cut your wheat, thereby saving considerable amounts of time and money. Then you'll have the tractor all ready for the fall work.

Your dealer can supply you with a **BIG BULL TRACTOR** now—he may not be able to do so later on because there's a scarcity of steel, and the demand for **BIG BULL TRACTORS** after harvest was greater than the supply last year, and will be the same this year. **BIG BULL TRACTORS** will be mighty hard to buy—get your **BIG BULL** now and be prepared.

**THE BIG BULL BINDER HITCH** enables you to hitch onto any binder. If you have to buy a new binder, no truck, tongue, whiffle-trees, nor neck yoke will be required. This will not only pay for the **BIG BULL HITCH**, but will save you money besides.

See Your Dealer at Once or Write

**Hall Bros. & Reeves Motor Co.**

1525 Grand Ave.

Kansas City, Mo.



## Don't Abuse Your Tractor

Let it do the work for which it was intended. It will do it if you will use the proper lubricating oil. An oil of the correct lubricating body to minimize friction. An oil that maintains that correct lubricating body even under extremely high temperature conditions.

## Get Stanolind Gas Engine Tractor Oil

It minimizes friction and eliminates the usual trouble of scored cylinders. This oil is made expressly for the lubrication of tractor engines, where kerosene is used as fuel. It is equally efficient for lubricating bearings of all types of harvester machinery and for heavy gearings of tractors.

Standard Oil Company

72 W. Adams St., (Indiana) Chicago, U.S.A. 43

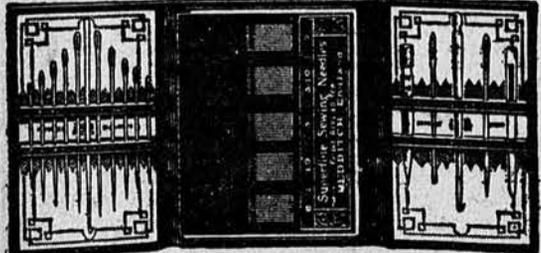
SENATOR NEWTON AND CONGRESSMAN LUNDIN MEET THE GOOD JUDGE.



WHEN men tell their friends about it they call it *the Real Tobacco Chew*. Right here you have the secret of its success—the fact (that W-B CUT chewing—the Real Tobacco Chew, *new cut, long shred*—is so satisfying that many men make it a point to tell their friends how good it is.

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

## The "Dandy" Sewing Set Free



Showing Book Open—Size 14 1/2 x 5 Inches

Did you ever see a more complete outfit than the one we are offering? You have here needles for every need, properly indexed so that you can find each one quickly and easily, all guaranteed finest steel, tempered by a patented process—warranted to excel in finish and quality. All eyes are perfectly beveled and gauged. This assortment gives you needles for every occasion. A fine steel crochet hook for lace making, an ivory hook for wool crocheting, 15 various size darning, an ivory bodkin for lingerie ribbons, one tape needle, a Normandy needle for doing the ever popular punch work, and an ivory stiletto.

Bound in Leatherette—Beautifully Designed and Embossed

There is nothing a housewife appreciates more than good needles. The "dandy" sewing set shown above is handsomely bound in leatherette, beautifully designed and embossed. Just the thing to use when traveling or visiting as it can be folded up like a book and placed in any handbag or work basket. The assortment is complete in every detail, affording needles for both plain and fancy sewing.

### What This Beautiful Set Contains

- 75 Gold Eyed Sewing Needles
- 15 Silk and Cotton Darning
- 15 Milliners' Needles
- 15 Crewel or Embroidery
- 1 Bone Crochet Steel Crochet
- 1 Steel Bodkin or Tape
- 1 Punch Work
- 2 Medium Wool Darning
- 1 Ring or Tapestry
- 1 Chenille Needles
- 1 Bone Stiletto
- 1 Bone Tape or Ribbon
- 1 Fine Wool Darning
- 1 Medium Yarn Darning
- 1 Fine Cotton Darning
- 1 Medium Cotton Darning

**OUR SPECIAL BARGAIN OFFER** We are going to offer one of the sets, postage prepaid, to every person who sends \$1.20 to pay for a year's subscription to Mail and Breeze. With this offer we will include a year's subscription to Capper's Weekly. Renewal or extension subscriptions will be accepted on this offer if you are now a subscriber. Address **FARMERS MAIL AND BREEZE, DEPT. SS, TOPEKA, KANSAS**

## TOM McNEAL'S ANSWERS

### Roads.

I own 160 acres thru which a section line runs, 80 acres lying on each side of the section line. There has never been a road platted or laid out on this line, thru my farm tho it has been traveled some. The road overseer is talking of grading it now. Has he a right to do so? Am I compelled to give my land for a road without compensation? SARAH PETERS, Nashville, Kan.

Unless this has been used as a public road so long that the public has obtained a right of use, it is not a public highway, unless at some time the legislature passed a special act making the section lines in Kingman county public highways. I do not know whether any such special act ever was passed. If it was not passed the overseer has not the right to come on your land and work the road without your consent. Neither can your land be taken for a highway without compensating you for it.

### What Was B's Share?

1. A owned some trees. B cut them and had them sawed into lumber and paid for the sawing. What is B's share?  
2. What is the penalty for obtaining a deed to a piece of property using fraud? E. T.

1. B's share would depend on the agreement between him and A. If there was no agreement except that A permitted B to cut the trees, haul them to the mill and pay for the sawing, and afterward A and B are unable to agree on the settlement they should select

dence there shall constitute a compliance with the residence requirements of each entry. So if the marriage has not yet taken place wait a year after filing.  
2. I believe the total amount of cash required to be paid at time of filing is \$14.

3. You are supposed to establish a continuous residence on the claim; however the Land Office permits the claimant to be absent not more than five months each year. The entryman is required to file in the local land office a notice of the beginning of the term of absence and another notice stating when he returns after each absence.

4. The government recognizes no such thing as a sale of relinquishment. The relinquishment is in fact made to the government and the land then becomes open to entry just as if no filing had ever been made. You would therefore have to live on the claim the same length of time as if you were the original entryman. You could of course commute, that is, pay the government price for the land in cash after 14 months' residence.

### What Can A Do?

A owns a farm. B has a first mortgage on it, interest payable semi-annually. C has a second mortgage, interest payable annually with a payment to be made secured also by a note signed by the former owner of the land, who has property. A will not be able to pay all the interest this year unless he sells all his young stock, but if he can keep the place another year with his stock and everything, he can make both years' interest and payment. B will start foreclosure. How much expense will that run up on the place and how long has A to redeem? Can A voluntarily surrender a deed to the place so as not to make any expense and then redeem it?  
Is the former owner of the farm who signed the notes liable? H. Z.

I am not able to say what the expense of foreclosure will be. The costs of such suits vary. A will have 18 months after decree of foreclosure to redeem the land. If A gives a deed to the land he will part with his title and will have no right to redeem unless such condition is stipulated in the deed. The signer of the notes is liable, of course.

### Power of Township Board.

Our township board let a contract for hauling about 100 loads of sand and building several concrete culverts and making fills for same. They offered but one man a chance at the work. They could have gotten the sand hauled for from 50 cents to \$1 a load less than they paid.

The contractor hired neighbors with their teams to help make fills. They got \$3.50 a day for their labor; the contractor got \$4. I live 1 1/2 miles from the mail route on the oldest established east and west road in the township. I have to cross two draws to get to my mail box. The water stands in these draws for a week or two after each rain. The township board promised for several years to put in culverts but never did so. They dug out two metal culverts and one tile culvert on the east line of the township where the water never stood, then put in concrete culverts and used up all the township road fund and we still have to wade through mud and water to get to our mail box. It rained all day yesterday and these mud holes will be impassable for one or two weeks for loaded wagons or cars. Is there any way to get relief? Fowler, Kan. CAY REEVES.

The only relief I can see in sight is to change the township board at the next election. While they may have been partial or used bad judgment I cannot see from your letter that so far they have exceeded their legal authority.

### Drive Slowly Over Bumps

When driving a motor car over rough roads pick your route. Drive slowly over chuckholes and street car tracks. If compelled to drive off the pavement in passing cars, slow down and leave the pavement at an angle. By doing so you will avoid chafing your casing.

Exercise caution in driving up to a curbstone. Do not scrape your tires by driving too close. Keep your tread and sidewalls smooth as long as possible. Rough spots retain moisture and foreign substances, which soon work their way into the fabric and weaken it.

Keep your tires up to full pressure in warm weather. Don't adopt the fallacy that you will "pick up" air on a hot day. Much damage is done before the expansion takes place. A tire fully inflated prevents friction and generates but little if any heat even on a torrid day. Regardless of atmospheric conditions keep your tires up to their prescribed pressure at all times. If you do you'll escape many of the troubles of the road and be dollars ahead at the end of the season.

### FILM DEVELOPED FREE.

First roll of films for new customers. Best of work. J. C. Wolcott, Topeka, Kan.—Advertisement.

Birds of a feather make bigger profits for the farmer.

three disinterested and honest neighbors to arbitrate the matter.

2. Speaking generally the penalty for obtaining property by false pretenses is the same as the penalty for obtaining a like amount of property by theft. In the case of obtaining a deed to a piece of land by fraud, the case is somewhat different for the reason that a deed obtained by fraud really conveys no title. It is not void on its face but is voidable. It is impossible to give a definite answer to go indefinite a question. The facts in the case should be laid before the county attorney. He is the one to determine whether there is ground for a criminal prosecution.

### The Homestead Law.

1. If a young man and young lady should each file on homestead claims in Colorado and get married before the three years were up could they hold both claims?  
2. How much does one have to pay when filing on a claim?  
3. How long does one have to live on his claim each year?  
4. If I should buy a relinquishment on a homestead claim in Colorado on which a prior claimant had lived for one or two years, how long would I have to live on it before I could get a patent? P. O. M. Clinton, Mo.

1. The marriage of a homestead entryman to a homestead entrywoman after each shall have fulfilled the requirements of the homestead law for one year preceding marriage shall not impair the right of either to a patent. The husband shall elect on which of the two claims the home shall be made and resi-

# Be Careful Whom You Pay

Here's a List of Authorized Solicitors for the Farmers Mail and Breeze. Cut It Out

TOWN marshals might protect their town people and help the Farmers Mail and Breeze a whole lot if they would just land hard on the fake solicitor. These marshals have been giving fine assistance in rounding up the highwaymen, but still a few escape. The marshals are asked to be particularly cautious about the smooth-tongued fellow who says he has been sent out from headquarters. This is the man who tells the marshal "O, sure; Mr. Brown

is your county agent, but I have just come from Topeka to visit all these agents."

And so he puts it over, and a few days later yells are heard from those who have taken Mr. Visitor at his own value.

Remember this: The Capper Publications have no authorized representatives in any county except the man whose name is in this list. No special agents are sent from this office.

- Allen, W. Boots;
- Anderson, \_\_\_\_\_;
- Atchison, A. O. Northrup;
- Barber, Thos. Tunstall;
- Barton, J. K. Herron.
- Bourbon, W. M. Youngblood;
- Brown, \_\_\_\_\_;
- Butler, W. Wright;
- Chautauqua, G. L. Murphy;
- Cherokee, Harry Deem;
- Chase, W. Wright;
- Cheyenne, F. W. Lorimer;
- Clark, D. B. Ziegler;
- Clay, P. O. Lakin;
- Cloud, L. N. St. Cyr;
- Coffey, W. A. Hastings;
- Comanche, D. B. Ziegler;
- Cowley, W. Mathews;
- Crawford, J. I. Wolf;
- Decatur, F. P. Goldsby;
- Dickinson, C. S. Ward;
- Doniphan, \_\_\_\_\_;
- Douglas, W. H. Vaughan;
- Edwards, J. G. Ward;
- Elk, R. E. Crawford;
- Ellis, C. L. De Hart;
- Ellsworth, C. A. Muck;
- Finney, \_\_\_\_\_;
- Ford, J. G. Ward;
- Franklin, \_\_\_\_\_;
- Geary, J. M. Thompson;
- Gove, A. R. Long;
- Graham, H. M. Shaw;
- Grant, \_\_\_\_\_;
- Greeley, C. E. Freedy;
- Greenwood, N. D. Stevenson;
- Hamilton, \_\_\_\_\_;
- Harper, A. Wisler;
- Harvey, C. F. Walden;
- Haskell, \_\_\_\_\_;
- Hodgeman, J. G. Ward;
- Jackson, J. D. Wilson;
- Jefferson, A. O. Northrup;
- Jewell, L. N. St. Cyr;
- Johnson, W. H. Vaughn;
- Kearney, \_\_\_\_\_;
- Kingman, C. P. McKeizer;
- Kiowa, D. B. Ziegler;
- Labette, C. D. Lynd;
- Lane, C. C. Harkness;
- Leavenworth, A. O. Northrup;
- Lincoln, C. A. Muck;
- Linn, W. M. Youngblood;
- Logan, \_\_\_\_\_;

- No. 1/2 Lyon, W. A. Hastings;
- So. 1/2 Lyon, G. W. Brim;
- McPherson, Geo. McClintock;
- Marion, W. Wright;
- Morris, W. Wright;
- Marshall, M. C. Peters;
- Meade, R. H. Keith;
- Miami, J. M. Neal;
- Mitchell, L. N. St. Cyr;
- So. 1/2 Montgomery, G. L. Murphy;
- No. 1/2 Montgomery, S. A. Hill;
- Morton, R. H. Keith;
- Nemaha, \_\_\_\_\_;
- Neosho, W. Boots;
- Ness, C. C. Harkness;
- Norton, F. P. Goldsby;
- N. 1/2 Osage, W. A. Hastings;
- S. 1/2 Osage, M. D. Duffy;
- Osborne, M. E. Jemison;
- Ottawa, C. S. Ward;
- Pawnee, J. G. Ward;
- Phillips, I. N. Ritter;
- E. 1/2 Pottawatomie, J. D. Wilson;
- W. 1/2 Pottawatomie, B. F. Sweet;
- Pratt, D. B. Ziegler;
- Rawlins, F. W. Lorimer;
- Reno, J. W. Crist;
- Republic, A. W. Worrall;
- Rice, J. K. Herron;
- Riley, B. F. Sweet;
- Rooks, W. A. Barry;
- Rush, \_\_\_\_\_;
- Russell, C. A. Muck;
- Saline, C. G. Leander;
- Sheridan, A. R. Long;
- Scott, C. E. Freedy;
- Sedgwick, C. P. McKeizer;
- Seward, R. H. Keith;
- S. 1/2 Shawnee, W. A. Hastings;
- N. 1/2 Shawnee, J. D. Wilson;
- Sherman, Chas. Peacock;
- Smith, I. N. Ritter;
- Stafford, J. K. Herron;
- Stanton, \_\_\_\_\_;
- Stevens, R. H. Keith;
- Sumner, W. Wright;
- Thomas, Chas. Peacock;
- Trego, H. M. Shaw;
- Wabunsee, W. A. Hastings;
- Wallace, \_\_\_\_\_;
- Washington, A. W. Worrall;
- Wichita, C. E. Freedy;
- Wilson, K. F. Spellman;
- Woodson, A. Coe;
- Wyandotte, A. H. Budke.

## A Good Season for Pigs

BY ROBERT McGRATH  
Johnson County

This is a good time of year for little pigs. One objection raised against them is that they are not so ready for the fall market as those coming earlier. This may be true but it will be found that a greater percentage of May pigs live to see the fattening pen. There are but few chilling rains in May.

We had an old sow which left a cozy, comfortable place in a hog house and farrowed under an old broken down wagon near a hedge. It was quite a distance from headquarters and we never suspected the old sow of choosing that place for a nest. But for all that it was a comfortable one as there was lots of hay near. The weather being good, she saved her litter of seven.

The cows are averaging about 8 quarts of milk a day. Recent rains have put pastures in excellent condition. This accounts for the heavy flow of milk. There are no flies to speak of as yet and this helps matters along. At this time of year milking becomes one of the largest chores on the place. But I don't mind it, if I have a good quiet animal to work on and a substantial milk stool.

Cattle like regularity. They seem to understand when milking time arrives. They will come to the gate at the same hour every evening to be let in. I try to have a set time to do the milking

because it is said that cows give their milk up more readily if milked the same time each day.

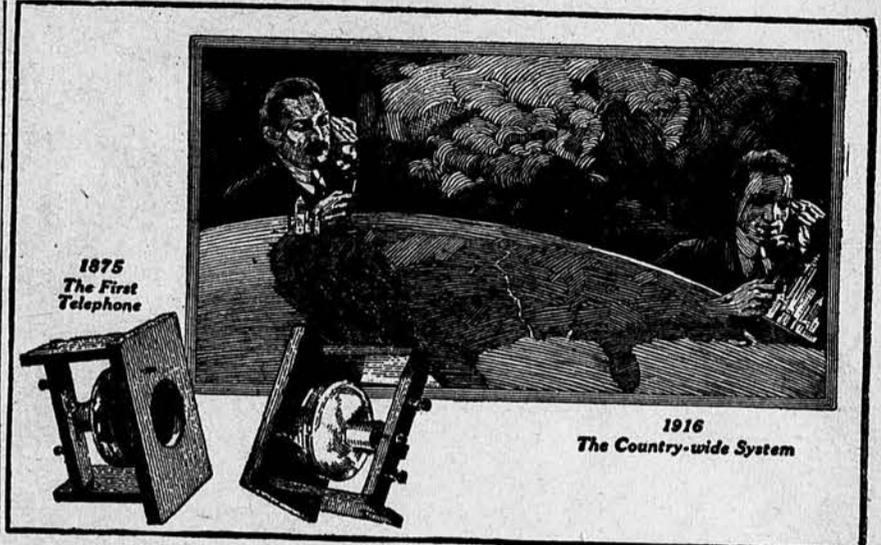
An ounce of prevention is worth 3 pounds of cure when the question of fencing in cattle is concerned. If cattle get it into their heads that they can get out it is a mighty hard proposition to keep them in no matter how hard one tries. A little forethought will eradicate the difficulty. A weekly trip around the fence will keep it in good condition. Sometimes the loss of a staple will let the entire herd out.

We are going to plant a liberal amount of pumpkin seed in an 8-acre patch of brush ground. The seed will be mixed with corn and planted with an ordinary corn planter. This method of raising pumpkins has been termed the lazy man's way. While not exactly according to Hoyle, the method is generally attended with good results. The seed nearly always comes up and while the cultivator covers some of the growing plants, yet there is always enough left to make it worth while. Brush ground is especially fine for pumpkins.

As the garden vegetables, lettuce, radishes and onions find their way to the table, one begins to appreciate the benefits of a good garden. A garden is something everyone in the family should co-operate in attending to. Nothing else cuts down the high cost of living as does a large amount of vegetables. A garden requires plenty of patience and work, but it is worth every cent of the effort expended.



This Has Been a Favorable Spring for the Pigs in Johnson County, and They are Making a very Rapid and Profitable Growth.



## Forty-one Years of Telephone Progress

The faint musical sound of a plucked spring was electrically carried from one room to another and recognized on June 2, 1875. That sound was the birth-cry of the telephone.

The original instrument—the very first telephone in the world—is shown in the picture above.

From this now-historic instrument has been developed an art of profound importance in the world's civilization.

At this anniversary time, the Bell System looks back on forty-one years of scientific achievement and economic progress, and gives this account of its stewardship:

It has provided a system of communication adequate to public needs and sufficiently in advance of existing conditions to meet all private demands or national emergencies.

It has made the telephone the most economical servant of the people for social and commercial intercourse.

It has organized an operating staff loyal to public interests and ideals; and by its policy of service it has won the appreciation and good will of the people.

With these things in mind, the Bell System looks forward with confidence to a future of greater opportunity and greater achievement.



AMERICAN TELEPHONE AND TELEGRAPH COMPANY  
AND ASSOCIATED COMPANIES

One Policy One System Universal Service

### 10 HP ENDURING POWER



USES KEROSENE for Fuel

**First Real Solution of the Light Farm Tractor Problem**

Pulls two plows in any soil fit to cultivate—three in stubble. Wide scope of utility. All gears run in oil, enclosed in dust-tight casings, on

**The DURABLE DENNING**

Equipped with Waukesha Motor, Perfex Radiator, Bennett Carburetor, Dixie Magneto, New Departure Ball Bearings. Write for description.

**DENNING TRACTOR COMPANY** Cedar Rapids, Iowa

10 horsepower at draw-bar—at any speed. Weight 3800 lbs. Price \$850 F. O. B. Cedar Rapids.

# Studebaker

HAS BEEN CONTINUOUSLY MAKING  
**WAGONS—BUGGIES—HARNESS**  
FOR EVERY FARM USE SINCE 1852

**SEE THE STUDEBAKER DEALER**

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### Actual records prove that Appleton Silo Fillers cost the least

per ton of silage put up or per year of life. Tremendously strong construction makes an Appleton practically proof against breakdown. Solid oak and steel frame, mortised, braced and bolted; impossible to pull out of line. Many exclusive power and labor saving features, such as independent belt driven blower allowing speed to be adjusted for minimum use of power for any height silo; frictionless feed table running on chilled iron rollers; knives spiraled to give clean shearing cut, requiring least use of power. (10 lengths of cut, 5-16 to 2 1/4 inches.) Lowdown cut-under frame, easy to handle. Both feed rolls and table controlled by single lever. Positive self-working safety device.

Two Books Free: One on silo building and silage crops; the other a complete catalog of Appleton Silo Fillers in four sizes for 4 h. p. gasoline engines and up. Write Appleton Mfg. Co., 497 Fargo Street, Batavia, Ill.



**Guaranteed to do more and better work with less power than any other silo filler.**

## Wheat Seems to be Ordinary

BY OUR COUNTY CORRESPONDENTS.

Green bugs and the Hessian fly have invaded numbers of Kansas wheat fields and their attacks coupled with backward growing weather does not make the wheat yield appear promising. From 10 to 15 bushels an acre are about the highest averages for any county. The first cutting of alfalfa is being made. Ground seems to be in good condition for growing crops, the general rains having supplied sufficient moisture in most places for the crops to do business with. Corn is good in most places.

### KANSAS.

**Haskell County**—Dry, windy weather. Ground is so dry that almost all plowing has stopped. Crops are needing rain badly. Hogs \$8.70; butter 30c; eggs 16c.—C. W. Durnell, May 26.

**Rawlins County**—A 2 inch rain in the last two weeks did great good to the wheat which had been suffering from drouth. Everything is coming out nicely. Corn planting is about finished. Farmers are getting their ground ready for seed.—J. S. Skolaut, May 27.

**Wabaunsee County**—The farmers are all busy putting up alfalfa and cultivating corn. Corn is somewhat backward on account of the cool weather. Wheat is nearly all headed out. Quite a number of fields are full of Hessian fly. Hogs are selling at \$9.25 a hundred.—Henry Lesline, May 27.

**Gove County**—Wheat is looking fine. Spring crops are slow on account of cool weather. Listing still going on. Grass is good. Fruit will not be so plentiful as usual. Strawberries are beginning to ripen. A great many are building new houses and improvements.—H. W. Schaible, May 26.

**Logan County**—Cold and cloudy weather up to the last few days. Very little moisture with the exception of a few local showers. Wheat and grass are needing rain and sunshine. Corn is about half planted and is coming good. Corn 60c; potatoes \$1.60; eggs 16c; butter 25c.—R. McCormick, May 26.

**Wilson County**—Corn prospect is extra good. There is a good stand and enough rain to make crops of all kinds do well. Some oats look fair but wheat is not good. Pastures are fine. The weather is warmer. Cattle are doing extra well. We had an inch and one-half of rain on May 27.—S. Canty, May 27.

**Nemaha County**—Some more fields of wheat are being plowed up and planted to corn. The condition of wheat is not more than 60 per cent of the 10 year average and is badly infected with Hessian fly. Corn planting is finished. The seed is coming good. There has been plenty of rain for all purposes.—C. W. Ridgway, May 25.

**Mitchell County**—Weather has been fine for corn the last few days. Corn is being cultivated. The Hessian fly is doing quite a lot of damage in the wheat. Ground is in good shape for all growing crops. Pastures are good. Cattle are doing fine. Wheat 95c; corn 60c; hogs \$9; butterfat 28c; eggs 17c.—S. C. DePoy, May 27.

**Chautauque County**—Crops are needing rain very badly. Wheat is looking quite well and heading nicely. Moles and crows have done considerable damage to corn. The tent caterpillar has not yet appeared this spring. A large berry crop is expected. Hogs are scarce; everything sold that is fit to market.—H. B. Fairley, May 27.

**Norton County**—Wheat is looking fair. It needs rain. There is some complaint. Wheat looks yellow and is of spindling growth. Corn is all planted. It is coming up very good. Forage crops are about all planted. Potatoes and gardens are fine. Cattle on pastures are doing well. Wheat 93c; corn 59c; hogs \$9.15.—Sam Teastor, May 27.

**Marshall County**—Hot and sultry after the big rains and cool weather the last few weeks. Much corn has been washed out, but is replanted now. So far nothing has been heard of bugs around here. Alfalfa is ready to cut. Many wheat fields are showing a very thin stand. Butterfat 30c; eggs 18c; roosters 7c.—L. Stettinich, May 27.

**Miami County**—Real summer weather is with us. Plenty of moisture and all crops are growing nicely. Corn is nearly all planted and some is being cultivated. Oats are starting to head. Some wheat has headed. Pastures are fine and stock is doing well. All grain except wheat is bringing high prices.—L. T. Spellman, May 28.

**Neosho County**—We had an excellent rain May 26. Prairie grass, oats, and flax will grow splendidly now. Corn has been cultivated once and some twice. Have a good stand and it is clean. First cutting of alfalfa was short. The pastures are good. Pigs are scarce. There are hardly any chinch bugs. Eggs 17c; butter 25c.—A. Anderson, May 27.

**Sedgwick County**—Having usual heavy rains at haying time. The first crop of alfalfa is good. Corn has been worked the first time and is growing rapidly. It is very hard to tell about the wheat and oats at this time on account of green bugs. A great deal of kafir has been planted. There is a good demand for grain of all kinds.—J. R. Kelso, May 27.

**Morris County**—About 3 inches of rain one week ago, cloudy and cool since. There was scarcely any field work done in the last week. Big end of planting is done and corn seems to be coming slowly. Considerable kafir will probably have to be replanted. Oats, wheat, alfalfa, and potatoes are doing well. Pastures are also good.—J. R. Henry, May 24.

**Pawnee County**—The last week has been dry and windy but had a good shower last night with some hail. Wheat is all headed out. The corn stand is poor. Alfalfa is ready to cut. Farmers can now plant their feed. Oats will be poor. Harvest will start about July 1. Some wheat is going to market at 98c; corn 62c; kafir 56c; eggs 16c; butter 18c to 25c.—C. E. Chesterman, May 28.

**Woodson County**—The weather is fine, only windy. Crops are doing well. Cultivating is now the order of the day. Alfalfa will be ready to cut soon, but will make light crop, mostly a 60 per cent stand. Some has lately been plowed up for corn.

## To Cool a Burn and Take the Fire Out

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For Cuts, Burns, Bruises, Sprains, Strains, Stiff Neck, Chilblains, Lame Back, Old Sores, Open Wounds, and all External Injuries.

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Get our complete outfit of everything necessary to start. Includes five 1 1/2 story hives with frame section holders, covers, and reversible bottom boards; 125 No. 1 two-bee-way sections; 1 lb. light section foundation; 1 lb. light brood foundation; 1 Smoker; 1 Bee Veil; 1 Comb Holder; 1 Kitchen Honey Knife; 1 Instruction Book; 1 Pair of Gloves; and 1 Bee Feeder. All for \$11.85, L. O. B. Kansas City. Also Free New Catalog. Write today. CLEMONS BEE SUPPLY CO., 127 Grand Avenue, Kansas City, Missouri

## OILS AND PAINTS

Get our bargain prices on kerosene; gasoline; lubricating oils and greases of all kinds; also on house and barn paints. If you fail to do this, we both lose money. Write today. Address

ALLEY OIL COMPANY  
Beard and Shawnee Sts., Kansas City, Kansas

## Notice to Farmers Save Time and Trouble

We can repair your broken machinery BETTER than any other shop, because we have trained specialists in iron work who can turn out a much more workmanlike job at no higher cost. We would be pleased to have the opportunity to prove it. WRITE YOUR WANTS.

Topeka Structural and Ornamental Iron Company  
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You May Have One Free

This dandy school companion consists of 11 pieces, five pencils, one reversible pencil, one fancy pen holder, one metal box containing one dozen assorted steel pens, one large red rubber eraser and one pencil sharpener put up in a fancy glazed box with lithographed cover in assorted designs. For big folks too. We picked out this assortment as being the best on the market, and one that any boy or girl would be proud to have. Everything contained in this box is high grade and useful. The quality is such that big folks find use for this assortment as well as the school boy or girl.

Our Special Offer: If you will send us a subscriptions at 25 cents each we will send you this school companion free and postpaid. New or renewal subscriptions accepted on this offer. CAPPER'S WEEKLY, Dept. S.F.B.-2, Topeka, Kan.



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That's What Has Made the PARRETT Famous

### That's What COUNTS

You want to know before you buy a tractor what it will do—what it is doing for others. That's the thing that counts. You wouldn't buy a horse or an automobile on just what the salesman claimed for it. Don't buy a tractor that way. We are ready to prove to you what the Parrett Tractor is doing for other farmers and what it will do on your farm. Our new illustrated folder shows how this substantial tractor is built from the ground up. It tells the actual experience of Parrett owners. It answers all tractor questions. It will help you to decide which tractor to buy. Send for folder today. A postal brings it by return mail.

PARRETT TRACTOR CO., 307-409 Fisher Building, Chicago



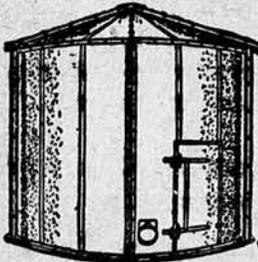
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**CURRY PRESERVER**, a carbolineum oil with over a quarter century quality record, will insure your Lumber, Silos, Shingles, Fence Posts, etc., against Rot and Decay. One application of **CURRY WOOD PRESERVER** (a boy can do the work), will give longer life to your Lumber at less cost.

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The large Railroads, Telegraph Companies, Factories, etc., have for years been successfully and profitably using wood preserver for their Ties, Telegraph Poles, Floors, Platforms, etc. You can now get the same Preserver in small quantities for use on the farm. The number of uses to which you can profitably put **CURRY PRESERVER** will surprise you.

Mail One Dollar for prepaid large sample (enough to preserve about a hundred feet), also full directions, price list and useful, interesting literature. Complete particulars including list of uses free. **CHAS. C. CURRY & CO., 2145 RAILWAY EXCHANGE BLDG., ST. LOUIS, MO.**



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### Burglar-Fire-Rain-and Rat-Proof

Your Wheat in January Will Be the Same as Gold! Galvanized Metal and Angle Iron. Built Sectionally; simple to erect. We Guarantee Satisfaction or Your Money Refunded. Write now for our circular and prices.

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3 In. Culvert Pipe Tanks Post-hole Builders

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JUDGE, I WANTED YOU TO KNOW SENATOR NEWTON AND HOW MUCH WE ENJOY THE FAMOUS REAL TOBACCO CHEW.

SENATOR, I TOLD MY FRIENDS ABOUT IT, THEY TOLD THEIR FRIENDS. WE ALL WANT OUR FRIENDS TO HAVE THE COMFORT OF THE LITTLE CHEW THAT SATISFIES.



**WHEN** men tell their friends about it they call it *the Real Tobacco Chew*. Right here you have the secret of its success—the fact that **W-B CUT** chewing—the Real Tobacco Chew, *new cut, long shred*—is so satisfying that many men make it a point to tell their friends how good it is.

Made by **WEYMAN-BRUTON COMPANY**, 50 Union Square, New York City.

# HARVEST WITH CHEAP KEROSENE

## THE PEORIA TRACTOR WILL HAUL YOUR BINDER 24 HOURS PER DAY NO SPECIAL HITCH TURNS SQUARE CORNERS



Station A, Route No. 1, Dallas, Texas, June 7, 1915.  
Yoder Tractor Company, Dallas, Texas.

Gentlemen:—I have just finished harvesting my crop of wheat and oats and used the Peoria Tractor, which I bought of you, on my binder all the time. We used a 7 ft. binder and had plenty of power high, very heavy and in places was down and tangled, we used no special hitch and had never run a tractor before, but we did nice, clean work right from the first as the tractor is easier to drive than a big team and goes very much faster and keeps a steady gait all day. Just as soon as we thrash we will put in too a Sanders 4-disc plow and plow for fall sowing at once, as the heat and files will not bother us with the tractor as it did with the teams.

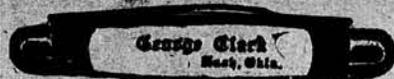
We call it the Blue Mule and it is the best mule I have. I lost two mules lately from overheating, but the Blue Mule does not get overheated nor tired and it cut my heavy tangled wheat not get on less of kerosene per acre and one-half gallon of oil ran it all day. There has been a great many men to see it work and they all say it is the best tractor for the money they have seen, and you know there are several different makes being shown around Dallas. It is all right and after investigating all the light tractors, I think the Peoria is much the best value. Wishing you the success you deserve, I am,  
Yours very truly,  
(Signed) J. E. THIGPEN.

Last year in wet soft fields the Peoria worked where horses could not be worked—it stood up and went right along all the time. Just read this testimonial.

**W**HEN you are raising horses that are worth from \$200 to \$250 apiece, you can't afford to put them in the harvest fields and ruin them for sale. The only profit which is made on a horse is the sale profit and if its sale value is gone, he is worthless. For over two years PEORIA TRACTORS have been delivering satisfactory daily service to Kansas Farmers—you can get this same kind of service and when you do, you will be just as enthusiastic as any PEORIA TRACTOR owner. Get your PEORIA NOW.  
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**George Clark**  
Meat, Ohio.

Your Own Name on Knife—The finest knife you ever saw in all your life. Two fine razor steel blades of best quality. German silver tips, brass guides, nickel rivets. New transparent handle showing your own name underneath, same as if you were looking thru glass. The knife is 3 1/4 inches long. Just the right size for a pocket knife. It's a beauty, strong and serviceable; no better knife made at any price. Send for yours today.

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Spring sowing looks good. There is fine pasture and stock is doing well. Farmers are of good spirits this spring.—E. F. Opperman, May 25.

**Lyon County**—Big rains every week make the crops grow rapidly. Wheat looks as if we will have plenty of bread. Corn is not all planted yet. The earliest planted corn has been cultivated. Kafir, feterita and cane are being planted. Some of the kafir is out of the ground. Apple orchards not sprayed have been injured with moth weevil. Stock is doing well on pasture.—E. R. Griffith, May 28.

**Rooks County**—Feed planting is the order of the day. Corn is growing slowly, not much cultivated to date. Wheat is not looking as well as it did two weeks ago. Some say it is getting thinner every day. It is beginning to head out. Some is not over 4 inches high. A few fields look normal. Some are listing up their wheat fields. Eggs 15c; butter 25c; corn 65c.—C. O. Thomas, May 26.

**Thomas County**—Some rains along two or three weeks apart but wheat does not look at all good altho it might average 10 bushels with favorable weather from now until harvest. Some will not pay to cut and some is quite promising. Corn went in in good shape. Planting feed crop is now the order. There are some cutworms. Eggs 17c; butterfat 26c; corn 69c; wheat 90c; cane seed 45c.—C. C. Cole, May 26.

**Anderson County**—The weather is fine for corn. Cultivating is the order of the day. Some corn had to be replanted. The majority of it is a good stand. More rain is needed for oats and tame grass. First crop of alfalfa is ready to cut. The crop is fair. Some of it is quite weedy. Lots of young chickens hatched out this spring and are doing well. Hens are still laying well and eggs stay up. Eggs 18c; butter 25c.—G. W. Kiblinger, May 26.

**Harper County**—Wheat is all headed out. Will be short straw this year. Most of the wheat will be cut with headers. From 12 to 15 bushels will be an average. Oats are a failure. Green bugs have taken them entirely. Green bugs have taken some fields of corn and kafir. While other fields look fine. Pasture is good. Harvest will begin about June 20 to 25. Wages will be about \$2.50 for single hands and \$4.50 to \$5 for man and team.—H. E. Henderson, May 27.

**Smith County**—Ideal crop weather. Wheat gives promise of a good yield. Oats are looking good. It has been too cool for corn until the last week. A considerable acreage had to be replanted and some farmers have a small per cent yet to plant. Alfalfa will be a good crop and will soon be ready to cut. Pastures are good. Many farmers are getting new autos. Wheat 98c; corn 59c; hogs \$9.25; fat cattle \$8 to \$9.25; hens 10c; eggs 17c; butter 20c; butterfat 27c.—Ernest Crown, May 27.

**Douglas County**—We had the biggest rain of the year Saturday night, the 26th. Crops are looking fine. The first cutting of alfalfa is almost all up in very good condition. Wheat has headed and is in bloom; it is looking good. Corn is all planted and is a good stand. Some fields have been worked over once. Pastures are fine and stock is doing well with no disease. Markets are about the same. Potato bugs are bad. The farmers are spraying them the first time.—O. L. Cox, May 27.

**Kingsman County**—Green bugs have taken the oat crop in Kingsman county. They have taken some corn and have damaged wheat some. The fly is in every piece of wheat in Kingsman county. They have done more or less damage so far but are thick enough to do a great deal of damage before harvest. Very few pieces of wheat from the present prospect will make a good crop. The crop will run from 3 to 4 bushels an acre to 10 with a very few that are on new land. That will go a little more. Wheat 98c; hogs \$9.25; eggs 18c; butterfat 26c; corn 64c.—H. H. Rodman, May 27.

A nut is a mighty important thing—sometimes he is merely self-important.

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"O, glorious flag! red, white and blue,  
Bright emblem of the pure and true;  
O, glorious group of clustering stars!  
Ye lines of light, ye crimson bars,  
Unfading scarf of liberty,  
The ensign of the brave and free!"  
—Edward J. Preston.



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**Prices of Meat Animals**

The level of prices paid producers of the United States for meat animals (hogs, cattle, sheep, and chickens) increased 4.3 per cent from March 15 to April 15; in the same period of the last six years the average increase has been 2.8 per cent. On April 15 prices of these meat animals averaged about 19.1 per cent higher than a year ago, 6.1 per cent higher than two years ago, and 14.4 per cent higher than the average of the last six years on April 15.

Hog prices on the 100 pounds averaged to producers of the United States \$8.21 on April 15, compared with \$8.48 a year ago, \$7.30 two years ago, and \$7.40, the average of the last six years.

Beef cattle on the 100 pounds averaged \$6.66, compared with \$5.98 a year ago, \$6.29 two years ago, and \$5.68, the average of the last six years.

Sheep on the 100 pounds averaged \$6.01, compared with \$5.60 a year ago, \$4.96 two years ago, and \$5.16, the average of the last six years.

These averages are based upon reports to the Bureau of Crop Estimates.

**The Rural Credit Bill**

Says the Springfield Republican: "The rural credit act, soon to be signed by the President, is one of the greatest constructive measures for the benefit of American farmers ever passed by Congress."

We shall know more about that later. If it benefits the American farmer nobody will be more greatly surprised than himself.

What it is likely to do is to boost land prices, and if anything is not needed it is an artificial boom of land prices, which keep rising fast enough to put land out of reach of the man of small means.

If this is the net effect of the rural credit bill that the President is soon to sign, it will be a misfortune to everybody concerned.

Nobody yet has shown wherein the rural credit bill is calculated to reduce interest rates substantially.

It is not asserted that the present bill will provide loans for landless farmers. It adds a lot of new national banks, a lot of offices and a lot of high salaries.

—Editorial in Capper's Weekly.

**Why Rubber is Up**

The following quotation from a recent issue of India Rubber World, may explain in part the recent advances in price of rubber articles:

"To those interested, it might seem that the war had made a special target of the rubber industries. In many directions prices have mounted sky-ward, and there are those in the chemical market that freely predict still higher prices. This is certainly not re-assuring. Happily there are sources of information that promise betterment in some important departments. On the whole, rubber manufacturers should not be optimistic as to quantities and prices."

Increased prices in raw rubber, and especially in chemicals used, forced manufacturers to protect themselves by a general price advance. In some instances prices of materials have advanced several hundred per cent.—Goodrich Magazine.

**Oklahoma Likes McNeal**

I would not do without Mr. McNeal's Comments for the price of the paper, saying nothing about its many other valuable features. Mr. McNeal is rated to be the biggest, bravest, boldest bald-headed man in the United States. The people down here look for McNeal's Comments as soon as they get the journal. Berwyn, Okla. S. R. Elliott.

**Some Mouthful**

When old Peter arrived at the station with the goat he had brought to ship, the freight agent could find no tag.

"Say, Um' Peter!" he called, "What's this animal's destination?"

"Sah!"

"Where is this goat going?"

Uncle Peter shuffled up and presently found the frayed end of the tag still attached to the rope about the animal's neck. In alarm he wrenched open the goat's mouth and bawling in exclaimed: "Law! Marse Tom, dis yer fool goat done et up de place whar he gwine ter!" —M. V. M. J.

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# Steers Make Top 1916 Crop

## The Bulk of Western Winter Fed Cattle Has been Marketed—Crop Anxiety Rallied the Wheat Prices—Big Stump in Corn

PRICES FOR FAT STEERS last week advanced 25 to 50 cents, to the highest position this year and the highest on record for May. The top price for native steers was \$10.25, for Colorado steers \$9.85, Oklahoma steers, \$10, yearlings \$10.05 and Kansas fed branded Western steers \$10.25. The highest price in any previous May was \$9.30, and the top price this year, prior to this week, \$10. A large number of steers sold at \$10 to \$10.15. Killers were more anxious for heavy steers than at any previous time this year, and yearling steers, the higher, did not move as readily as in previous weeks. The bulk of the Western winter fed cattle have been marketed. No South-west grass fat cattle are coming. Some 846-pound Texas steers fed "cake" on grass sold at \$7.85, and they are the nearest straight grass fat cattle received this year.

As the result of the high prices last week fairly liberal supplies are expected Monday. Here 8,000 to 10,000 are expected and in Chicago 17,000. Prices for butcher cattle were 10 to 25 cents higher. The big part of the advance was in best yearlings. Some of the medium classes were up only 10 cents. Several bunches of Western cows sold at \$7 to \$7.50. Veal calves sold up to \$11 and bulks up to \$8. Some choice 226-pound feeding steers sold at \$8.25, the highest price this year, and a good many stockers sold at \$8.50 to \$8.85. Prices for the best grades were steady, and for the common kinds weak. The general demand for thin cattle is diminishing, and will be small for the next sixty days.

The about 45,000 fewer hogs arrived at the five Western markets last week than the previous one, prices declined 20 to 25 cents and closed near the bottom. Shipping demand diminished and packers had the trade their own way after Tuesday. Considering the extremely high prices prevailing, the decline last week was comparatively small. The bulk of the hogs coming now are mixed grades with the average weight holding a little above 200 pounds. Countrymen report that hogs of marketable weights are scarce and while pigs are fairly plentiful there will be only small supplies of fat hogs for the next 90 days.

Tuesday sheep prices last week were the highest this year. The top prices were paid for spring lambs at \$12.25, clipped Texas wethers at \$8.75 and clipped fed lambs at \$10.75. No choice wooled lambs were offered. Later prices fell 50c to 50c and the market closed dull. However, the change is due largely to the difference in quality. From now on supplies will be drawn largely from grass fat sheep and spring lambs.

Receipts of livestock, with comparisons, are here shown:

	Last week.	Preceding week.	Year ago.
Cattle—			
Kansas City	25,775	23,550	21,800
Chicago	38,770	40,100	41,900
Five markets	103,175	105,100	101,400
Hogs—			
Kansas City	55,700	65,900	50,800
Chicago	125,000	139,500	121,000
Five markets	315,200	359,700	294,100
Sheep—			
Kansas City	35,300	29,200	45,450
Chicago	46,500	56,500	40,000
Five markets	148,100	125,000	115,200

Growing anxiety over further crop deterioration in Kansas and Oklahoma owing to dry weather and Hessian flies caused a reversal of sentiment in the wheat market last week and marked the culmination of a steady fall of 9 to 10 cents in prices for July delivery. Prices for July rallied about 5 cents and at one time were up about a cent, but rains in Kansas and Northeastern Oklahoma and additional peace talk caused a second setback and closing prices were down 2 cents in Kansas City and about 3 cents in Chicago.

The crop situation, while the predominant factor in the market, did not entirely overshadow the weight of abundant supplies of old wheat and poor demand and until something more definite is known as to the actual reduction in winter wheat yield these two opposing factors will likely keep prices fluctuating irregularly.

The monthly report of the Kansas board of agriculture issued Monday from information gathered May 17 estimated the wheat yield at 108 million bushels reduction from the previous month's report, the considerably more than private estimates had suggested and with one exception the largest crop the state has ever raised. Secretary Mohler, however, qualified the report with a statement that the June

estimates may show considerable abandoned acreage, and the damage by Hessian flies had not fully developed at the time the statement was compiled.

Private reports were numerous that more apparent Hessian fly loss in the central portions and dry weather in the southern territory have since lowered this prospect, and estimates considerably less than 100 million bushels for the state were general. In the Western third of the state, where outlook previously had been reported good, also complained to some extent that conditions were failing. High temperatures and dry weather which prevailed most of the week were hard on the crop. Rain was lightest in the Southern district where most needed to prevent further loss.

In Oklahoma material loss has already been sustained in many regions from the continued drought, and the crop over almost the entire state is in critical need of moisture. Oklahoma City has received 1.40 inches of rain this month. Conservative estimates of the yield in that state are for not more than 20 million bushels this year, compared with 25 1/2 million bushels last year.

Favorable promise was maintained in Nebraska. Complaints of Hessian flies came from scattered sections of Illinois and Indiana, which created some nervousness that the already moderate outlook in these sections would be further reduced.

If there is any further decline in the winter wheat promise and should anything befall the spring wheat crop the combined yield of wheat in the United States this year might fall below 700 million bushels, leaving a comparatively small amount above home needs.

Stocks of wheat in Kansas City increased 185,000 bushels last week and amount to 6,027,000 bushels, compared with 588,000 bushels a year ago. Seaboard points shipped about 1/2 million bushels more than received.

Kansas City dealers made slightly larger sales of corn last week to the South, and Chicago reported workings to New England, but domestic demand is far below normal for this time of the year and foreign inquiry continued absent. Prices for carlots in Kansas City are 2 1/2 to 4 1/2 cents lower than a week ago.

Receipts of corn at Western markets last week were 1,157 cars, 14 per cent less than in the previous week and 30 per cent more than a year ago. The largest movement is predicted soon, as planting will be over in a short time, tho there is some doubt as to any material increase in this territory. Stocks of corn in Kansas City decreased 1/2 million bushels last week and amounted to 3,850,000 bushels, compared with 1,858,000 bushels a year ago.

Lower American offers offset moderate Argentina shipments and higher ocean freight rates from that country in Liverpool, and prices there closed about a penny lower than a week ago. Exports from Argentina last week were 1,187,000 bushels, compared with 1,735,000 bushels a year ago. Shipments from the United States on old sales were 829,000 bushels.

More settled weather and higher temperatures promoted advancement of new crop growth in the southern portions of the belt and enabled progress toward completion of planting elsewhere. In a short time all of this work will have been completed, with assurance of a larger area.

Hard Wheat—No. 2, nominally \$1.03@1.08; No. 3, nominally 99c@1.08; No. 3, nominally 99c@1.07.  
Soft wheat—No. 2, nominally \$1.03@1.07; No. 3, nominally 99c@1.05.  
Corn—No. 3, nominally 67@68c; No. 2 yellow, nominally 68@68 1/2c; No. 3, nominally 67@68c; No. 3, nominally 65@65c.

Oats—No. 2 white, nominally 44@45c; No. 3, nominally 41@42c; No. 2 mixed, nominally 40@41c; No. 3, nominally 36@39c.

Rye—No. 2, nominally 86@87c.  
Barley—No. 4, nominally 55@56c.  
Bran—Nominally 90c.  
Sherts—Nominally \$1.04@1.10.  
Corn Chop (city mills)—New bags, nominally \$1.34.

Seed—Per cwt., alfalfa, \$14.50@18.50; clover, \$12.50@15.00; cane seed, 85c@1.00; millet, German, \$1.65@2.00; common, \$1.30@1.45; Siberian, \$1.25@1.40.

Suppose we quit assuming that the other fellow is crooked. All that such imagining breeds is hatreds.

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Will rid your stock of WORMS—the blood-sucking parasites that cause 90 per cent of all live stock losses. It will give your farm animals keener appetites, better digestion—make them thrive better—pay you bigger profits. When it arrives, pay the freight charges and feed it according to directions for 40 days. If it does not do what I claim, make a specific report in 60 days and I will make no charge. Address: **THE FEN WFG. CO., Chemists**, Dept. 40 Cleveland, Ohio.

**Prices**  
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Extra discount in larger quantities. No orders filled for less than 40 lbs. on this offer. Shipments 1 to 25 days' trial are based on 1 lb. of SAL-VET for each sheep or hog and 4 lbs. for each horse, head of cattle.

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Frank D. Hall, Bloomfield, Conn.

"My shoats were very wormy. After other remedies failed, I fed SAL-VET which cleaned out the worms and put all hogs, sheep and horses in condition."  
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# Ness County is the Land for Wheat

## Reliable Information About a Section that Offers Exceptional Chances to Homeseekers and Investors

**T**HE primary object of this article is to furnish reliable information to any who may be seeking a new location with a view to the building up of permanent, happy and prosperous homes.

Ness is what may be termed an agricultural county, being well adapted to a combination of farming, dairying, poultry and stock raising.

The nature of the land and general conditions permit the use of modern machinery in the various processes of farming and the popular tractors are coming into greater use each year.

Wheat is the principal crop raised, and more and more each year is this section of our state becoming the center of what is termed the Wheat Belt of Kansas and the finest portion of the great hard wheat district.

Ness County produced over three million bushels of wheat in 1914, nearly as much in 1915, and judged by present conditions the year 1916 will be a record breaker.

The soil is a rich, dark loam with a porous clay subsoil and for fertility and actual crop raising qualities is unexcelled.

The county is crossed by several living streams of pure water along which are splendid fields of alfalfa; an abundance of good water may be obtained at shallow depth in nearly every section.

Many individual farmers raise from fifteen thousand to thirty thousand bushels of wheat each year.

Those who are familiar with the history of our state know that development has taken place from the east toward the west. It is a fact that land can now be had at from one-third to one-half the prices at which land no better is selling for in the counties just east of Ness. This probably will not be the case much longer and folks who are thinking of buying should get busy before prices advance, as we believe they are bound to advance in a very few months. This becomes apparent to those who investigate. The nearness to the higher priced lands, the similarity of soil and climate, and the fact that the whole West is undergoing a marvelous development must impress all fair minded people with the fact that now is the time and Ness is the place.

The general surface of the land is an undulating prairie and it has been claimed that Ness contains a greater proportion of tillable land than any other county within the borders of the state; this is being rapidly converted by prosperous and energetic farmers into large wheat fields.

Ness has not yet attained the high position of "banner wheat county" but that time may not be far away; it has produced the most barley in more years than one, while seventy bushels of oats to the acre is not unusual.



When It's Harvest Time in Ness County.

Alfalfa is one of the most profitable crops raised on the farm. It will always be so because the area of land adapted to its growth is now and always will be limited by the soil and climatic conditions. There is always a ready market for alfalfa and it is a cash crop. In view of this fact lands suitable for its growth will always be desirable and will command a good price.

A good many years ago a few Ness County farmers planted little patches of alfalfa as an experiment. It did well and the acreage has been steadily increasing and they plant it now in twenty to eighty acre tracts. A careful estimate shows that there are more than 100,000 acres of land suitable for the growth of alfalfa in the county. They get from two to four cuttings each season, one cutting being the seed crop. A conservative estimate of the value of the yield is thirty-five to fifty dollars an acre, although as high as sixty-five dollars has been known.

As in most other Kansas counties, poultry is one of the important industries and as there is always a steady western market good prices are the rule. There are so many things peculiar to the climate which tend to the successful raising of poultry that there are few farms that do not have extensive and profitable poultry yards. The field for this industry is immense and the returns are large.

The beef steer's sister, like the helpful hen, plays an important part in the development of Ness County. In a year's time butter and milk are sold to the value of more than one hundred thousand dollars. The advent of the hand separator has revolutionized the cream business and nearly every farm has its own separator. Numerous receiving stations are conveniently located throughout the county.

The live stock industry is one of great importance, there being at the present time within the limits of Ness County more than a million dollars' worth of horses and mules and cattle to the value of a million and a half dollars. The pasturage is principally the celebrated

buffalo grass which is unsurpassed for its nutritive qualities. It affords excellent grazing the year round, curing on the ground and retaining its nutriment all winter. All kinds of forage crops yield abundantly at a very small expense but on account of mild, short winters it is not often necessary to feed live stock more than about three months in the year. On account of these conditions it will readily be seen that the expense of raising a beef steer or a horse to a marketable age is nominal. The matter of quality is in no wise neglected and almost invariably the best breeds obtainable of all kinds of live stock are found in the pastures and barnyards. There is a ready market both at home and abroad for all products and the general conditions make stock raising a prominent and profitable feature of Ness County's industries. Ness County has a greater number of registered cattle than any county in the state.

Ness County has a population of six thousand five hundred people. Almost every state of eastern and central United States and almost every county in the eastern half of Kansas is represented. The people are intelligent, industrious and hospitable, as is usually the case with those who are courageous and energetic enough to leave behind them the associations and environments of the communities in which they have long dwelt and push out in search of homes and larger and better opportunities for themselves and families.

A spirit of cheerfulness and optimism prevails, induced largely by the general prosperity and rapid growth of the county, but even more perhaps, by the exhilarating effect of the many bright, sunshiny days and of the pure, invigorating air peculiar to the altitude. There exists among the people of Ness County no social caste but all mingle on a common plane as friends and neighbors.

Having cast their lot on the fertile prairies for the purpose of establishing homes, they extend the hand of welcome to all who wish to join and assist in the up-building and development of what is destined to be a great and magnificent portion of the great domain of Kansas.

Ness City, the county seat of Ness County is a substantially built little city of nearly one thousand inhabitants, situated on the Great Bend extension of the Santa Fe railway. Nearly every line of business is represented. The business buildings are of a high grade and the business men are of the progressive type.

There is no other town in Western Kansas that is more up-to-date, more prosperous or a more pleasant place in which to live.—Advertisement.



Threshing the Wheat in Ness County.

### Sunday School Lesson Helps

BY SIDNEY W. HOLT.

Lesson for June 11: Sowing and Reaping. A Temperance Lesson. Gal. 6.

Golden Text: God is not mocked; for whatsoever a man soweth, that shall he also reap. Gal. 6:7.

Our lesson today is a temperance lesson. "Whatsoever a man soweth," is Paul's parable of the sower. Every harvest demands its own preparation; it is the law of human life that when we sow an indulgence, we reap a habit; a habit

reaps a character and a character sown, reaps a destiny.

Plant blessings, and blessings will bloom; Plant hate, and hate will grow; You can sow today—tomorrow shall bring The blossom that proves what sort of a thing Is the seed, the seed that you sow.

We never know what we will do until we are tempted, and we have no right to condemn the other fellow for his mistakes. Under the same circumstances, we might do a great deal worse.

The man who doesn't like the taste of liquor and lets it alone for that reason, is not a temperance man, but the person who likes it, and craves it, and

yet has the strength to let it alone for the evil it does to himself, his family and the world is the real temperance person.

Alcohol produces almost every known evil and disease. It is estimated that 54 per cent of German divorces are caused by drink. It is destroying the French peasantry today by inducing tuberculosis and insanity.

The recent Danish government commission for considering new alcohol legislation affirmed that every fourth male death in that land was to be attributed to alcohol, as either the direct or contributing cause. Of all Germany's expenditures for food and drink, 27.74 per

cent is for alcohol. There is now a drink-shop to every 82 persons in France. Belgium had 210,310 drinkshops of all kinds in 1907, or one to every 34 persons. Similar conditions are to be found all over Europe. An investigation carried on in the schools of Milan, Italy, among 36,462 children brings to light the fact that 24.8 per cent of the boys and 11 per cent of the girls confessed to having been intoxicated at various times.

More than a million immigrants come to America every year from these countries where the consumption of alcohol is about three times as large per capita, as it is in the United States. Hence the increase in the amount of liquor drunk yearly despite the increase in prohibition territory. One-half of all the saloons in the United States are in fourteen cities. Thirty-six states of this union have fewer saloons in the aggregate than the city of New York. Only by the most strenuous efforts can we keep our nation from becoming as alcohol-sick as Europe.

Drunkenness is a terrible burden, either for a nation or an individual. We must not forget that as we do not give up wrecked ships, but tow them off the rocks or pull them up out of the depths and make them over into worthy sea-going vessels again, a shattered life is much more important in the rebuilding.

This burden-bearing for another is Christ's way of keeping us unselfish; and then we are told to bear our own burdens. Often the burden that we have to carry is the thing that makes us nobler and purer. It is true that every burden is a cross, but the cross we bear, bears us.

We all know that beautiful old legend of St. Christopher, who wanted to do something for Christ, and all he found was a little child to bear across a river. As he crossed, the river became very dangerous, and the child became very heavy. The heavier the child became the more carefully St. Christopher planted his feet and his staff and this burden was his safety. When he reached the other side his little child had become Christ. Thus our little burdens turn out to be great blessings.

Paul means by flesh, humanity without godly purposes. By sowing in the Spirit, he does not mean that we are to live the life of monks, giving up society and our daily pursuits, but that our desires and affections and our work be controlled by the higher life of Christ's Spirit. The dulling of our conscience is one of the deadliest seeds of sin.

### Good and Hard Luck Stories

(Continued from Page 8.)

months ago. "They hustled me up here," says Mr. Gilliland, "took the finger off, and I have been on the operating table three times. I have been here nine weeks and it is hard to tell how much longer it will be necessary to stay." To add to the story of misfortune all the Gilliland children have had tonsillitis and scarlet fever followed by measles during Mr. Gilliland's absence. Austin was among the invalids and during his illness the contest sow, a Poland China, farrowed ten fine pigs only to have all of them killed by dogs. "Austin has lost his records," says Mr. G. "and feels badly as he thinks you will hold him responsible for Bourbon county. I wish you would write him a word or two."

Instead of censuring Austin I have written telling him that we will help him in every possible way to get in the game again. He can enter another purebred sow or breed his sow for a second litter and begin keeping records anew. I want you to consider me the big brother of the family, fellows, and so long as you do your share you will get only boosts from headquarters. I'm truly sorry for the Gilliland family and I hope that good fortune will more than counterbalance all the ill luck before this year ends.

### He Liked it Straight

Johnny and his mother were dining with a friend, says Judge. The first course was chicken soup with macaroni in it. The hostess watched Johnny as he sat quietly gazing into his plate. Finally she asked: "Why don't you eat your soup, Johnny?"

"I don't care for it, please, ma'am." But your mamma said you liked chicken soup."

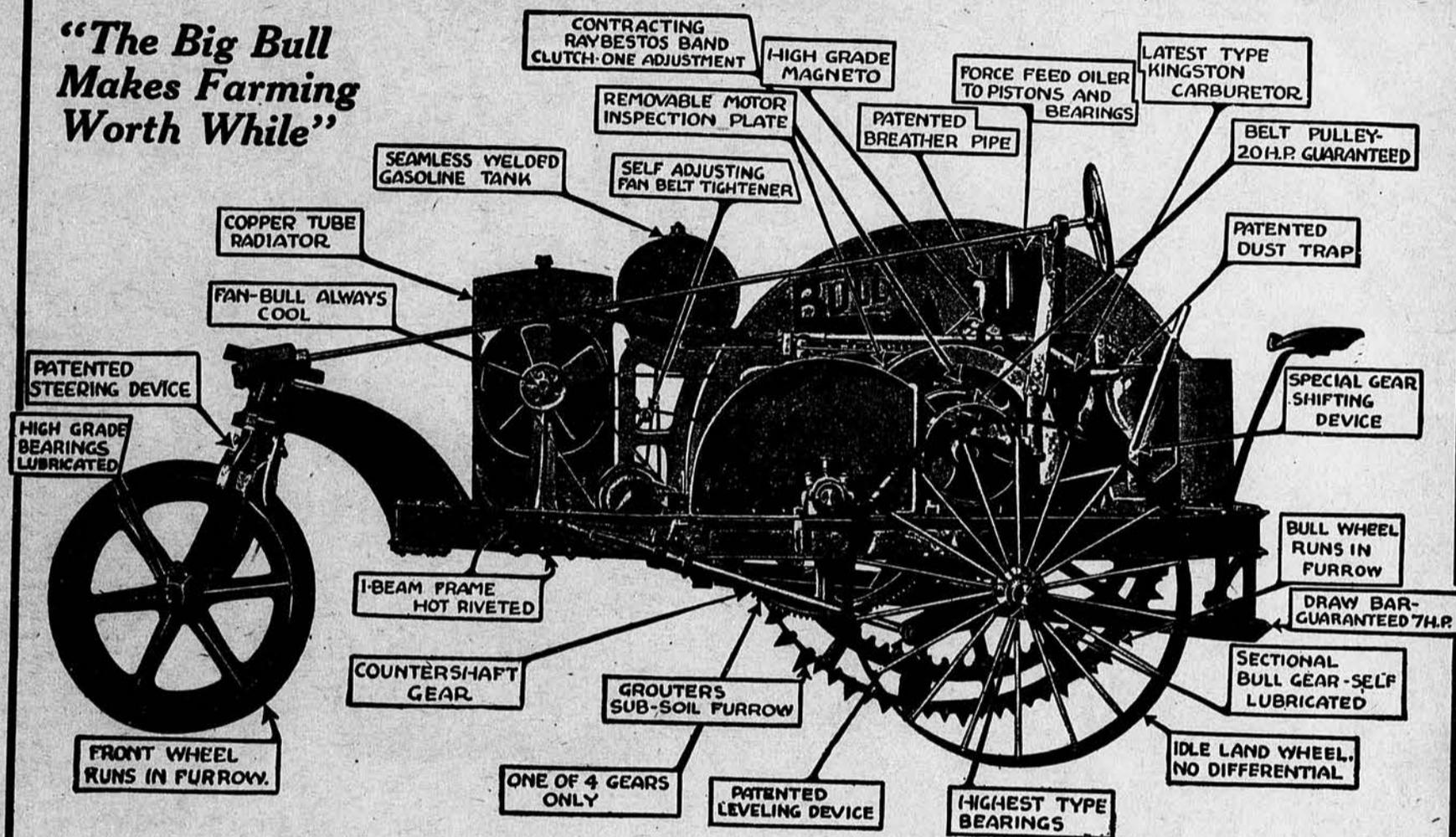
"I do like mamma's chicken soup, but she don't put the windpipes in."

# This \$645 Bull Tractor

## Will Be Given Away By

# The Farmers Mail and Breeze

*"The Big Bull  
Makes Farming  
Worth While"*



## Can You Use It On YOUR Farm?

The Farmers Mail and Breeze will actually give this \$645 "Big Bull" Gas Tractor to some wide awake farmer in a big Subscription Contest starting June 15th and closing August 16th—only two months' time. And there isn't a single reason why YOU should not be that lucky person. It makes no difference to us who gets the Tractor. It all depends upon how badly you want it, and whether you are willing to devote a little of your spare time during these eight weeks in the interest of The Farmers Mail and Breeze.

## Why Buy A Tractor When You Can Get This One FREE!

We mean just what we say. You can get this \$645 Big Bull tractor without it costing you a single dollar. We want more subscriptions to The Farmers Mail and Breeze, and are willing to give the big tractor as a reward for the subscriptions. That's the only thing you have to do—just get your friends and neighbors to subscribe to this splendid farm weekly. The subscription price is \$1.00 a year, \$2.00 for three years, and \$4.00 for six years. Every subscription will count a specified number of points, and the contestant having the largest number of points on August 16th gets the Gas Tractor freight charges prepaid.

A special rate of points just double the regular rate will be allowed on all subscriptions sent in before July 19th, so get busy at once and take advantage of this offer. Subscriptions will positively count more on this offer than any other time during the entire contest.

Remember if you should win the Tractor, your time will have been worth an equivalent of more than \$320.00 a month, and if you should not, you will receive a liberal cash commission on every subscription order that you send in, which will be sufficient to pay you well for all the time you devote to taking subscriptions. You cannot lose.

## Just Send Your Name!

It will cost you absolutely nothing to enter this grand prize Tractor Contest. We want to explain to you more fully and to your complete satisfaction our liberal proposition. Space here will not permit. Send your name on the accompanying coupon, and we will send you by return mail full instructions and details of our plan. It's worth your investigation and places you under no obligation whatever. The opportunity to secure within just a few weeks' time, a prize that will help you on to greater contentment and prosperity, is a chance not to be overlooked. Send your name today and get an early start.

**The Farmers Mail and Breeze**  
505 Capper Bldg., Topeka, Kansas

## MAIL THIS COUPON TODAY!

The Farmers Mail and Breeze Tractor Contest,  
505 Capper Building, Topeka, Kansas.

Manager: Kindly forward me complete instructions and details of your Gas Tractor Contest. This places me under no obligations whatever.

Name .....

Postoffice ..... Box .....

State ..... R. F. D. ....

# FARMERS CLASSIFIED ADVERTISEMENTS

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

### ANCONAS.

ANCONA EGGS 15 FOR \$1.00. 100-\$5.00. M. Hampton, Bronson, Kan.

### BRAHMAS.

MAMMOTH LIGHT BRAHMAS. EGGS \$1.00 per 15. A. M. Richardson, Altoona, Kansas.

MAMMOTH LIGHT BRAHMAS. EGGS \$1.00 per 15. A. M. Richardson, Altoona, Kansas.

### LIGHT BRAHMAS.

STOCK AND EGGS FROM FANCY AND utility stock. Prices reasonable. Mrs. F. O'Daniel, Westmoreland, Kan.

### BABY CHICKS.

WHITE ORPINGTON BABY CHICKS that make good. Priced right. Sharp, Iola, Kan.

BABY CHICKS. BARRED ROCKS, REDS, White Leghorns. 10 1/2 cents. Express paid. Live delivery guaranteed. June delivery 8 1/2 cents. Mrs. Alfred Young, Wakefield, Kan.

### BANTAMS.

PURE GOLDEN SEABRIGHT BANTAMS, 16 eggs \$1.25. Glen Bidleman, Kinsley, Kan.

### BUTTERCUPS.

PURE BUTTERCUPS, EXTRA LAYERS, 16 eggs \$1.50. Etta Bidleman, Kinsley, Kan.

### CORNISH.

PRIZE WINNING DARK CORNISH—50 eggs \$4.00. Sunny Slope Farm, Stillwater, Okla.

### DUCKS.

FOR SALE—30 WHITE INDIAN RUNNER ducks to sell in next 30 days. Pair 1.50. Dozen 8.00. F. L. McElheney, R. R. 2, Vesper, Kan.

### GUINEAS.

PEARL GUINEA EGGS \$1 PER SETTING of 17. Annie Maxton, Rydal, Kan.

### LEGHORNS.

ROSE COMB BROWN LEGHORN EGGS. M. E. Hoskins, Fowler, Kan.

S. C. WHITE LEGHORN EGGS \$2.75 HUNDRED. S. Peltier, Concordia, Kan.

SINGLE COMB BROWN LEGHORNS, EGGS for hatching. W. J. Walton, Newton, Kan.

PURE ROSE COMB BROWN LEGHORN EGGS \$3.00 hundred. Bertha Fortney, Clyde, Kan.

ROSE COMB BROWN LEGHORN EGGS, 75c-15 and \$3.00-100. W. Giroux, Concordia, Kan.

ROSE COMB WHITE LEGHORNS. EGGS 45-\$2.00. 100-\$4.00 prepaid. G. Schmidt, Goessel, Kan.

BUFF LEGHORN EGGS 17-\$1.00. 108-\$4.00. Baby chicks 10c each. Mary Moyer, Oakhill, Kan.

PURE BUFF LEGHORNS. EGGS 24-\$1.25. 45-\$2.25. 120-\$5.00 prepaid. Pearl Haines, Rosalia, Kan.

PURE SINGLE COMBED WHITE LEGHORNS, eggs 100-\$3.00. Chas. McFadden, Morland, Kan.

PURE BRED SINGLE COMB BROWN Leghorn eggs \$3.00 per hundred. Mrs. F. E. Tonn, Haven, Kan.

PURE SINGLE COMB BROWN LEGHORN eggs, hundred \$3. Eight year. Mrs. D. A. Wohler, Hillsboro, Kan.

SINGLE COMB WHITE LEGHORNS EXCLUSIVELY. Birds with quality, mating list free. R. E. Davis, Holton, Kan.

CAREFULLY SELECTED SINGLE COMB brown Leghorns eggs. 100-\$3.00. Mrs. Henry Wohler, Hillsboro, Kansas.

PRIZE WINNING SINGLE COMB BROWN Leghorns exclusively; 102 eggs \$3.50. 30-\$1.25. Chas. Dorr, Osage City, Kan.

S. C. BUFF LEGHORN EGGS 75c-15. \$1-100, prepaid; satisfaction guaranteed. Mrs. J. A. Witmer, Baileyville, Kan.

DORR'S PRIZE WINNING ROSE COMB White Leghorns. Eggs 30 \$1.75. \$3.75 100 prepaid. A. G. Dorr, Osage City, Kan.

SINGLE COMB WHITE LEGHORNS. JUST the time to hatch them. Eggs \$3.50 per hundred. Harry Givens, Madison, Kan.

BUFF LEGHORNS—EGGS AND CHICKS from specially mated pens and range flock. Mrs. John Wood, Solomon, Kan.

SINGLE COMB WHITE LEGHORN COCK- erels—dollar. Eggs dollar per fifteen. Chicks—ten cents each. A. Pitney, Belvue, Kan.

### LEGHORNS.

SINGLE COMB WHITE LEGHORNS EX- clusively. Eggs 15-\$1. 100-\$5. Fertility guaranteed. Sunnyside Egg Farm, Box B, Hallowell, Kan.

BUFF LEGHORNS, SINGLE COMB, BLUE ribbon and sweepstake winners, 105 eggs \$4.00. 30-\$1.50. 18 from pen \$1.25. White African Guinea eggs 16-\$1.25. Chester Hines, Emporia, Kan.

25000 BABY CHIX AND 100,000 EGGS FOR sale from heavy laying White Leghorns. One flock headed by pure Barron Males, from world's heaviest layers. One large flock of our own breeding. Booking orders for future delivery. Send for circular and price list. Guy E. Schreff, Lincoln, Neb., Box M. R. No. 2.

### LANGSHANS.

15 PURE BLACK LANGSHAN EGGS \$1. 100-\$5. Prepaid. Mary McCaul, Elk City, Kan.

### ORPINGTONS.

PURE BRED BUFF ORPINGTON EGGS, 50 per 15, \$3.00 per 100. R. C. Duncan, Gridley, Kan.

COOK STRAIN S. C. BUFF ORPINGTON baby chicks 10c. Eggs 50c setting. Mrs. John C. Hough, Wetmore, Kan.

WHITE ORPINGTON EGGS FROM KAN- sasu State Federation winners \$5.00 per hundred. Thos. Gary, Abilene, Kan.

BUFF ORPINGTONS A SPECIALTY. EGGS for sale from prize winners. Write for mating and prices. O. H. Landrith, Greensburg, Kan.

BUFF ORPINGTONS, EGGS, FROM STATE fair winners. Catalogue ready \$1.50 15. Can please you. Aug. Peterson, Churdan, Iowa.

FOR SALE—PRIZE WINNING SINGLE Comb White Leghorns. 1/4 price. Eggs 3 cents, chicks 7 cents, guaranteed stock \$1 each, from good layers Ferris strain that pay \$7 per year per hen. Clara Colwell, Smith Center, Kan.

### PLYMOUTH ROCKS.

BUFF ROCK EGGS \$1.50-15. \$5.00-100. E. L. Stephens, Garden City, Kan.

DUFF'S BIG BARRED ROCKS. THIRTY eggs \$5. A. H. Duff, Larned, Kansas.

BARRED ROCKS, EGGS HALF PRICE \$2.50 hundred. Fred Peltier, Concordia, Kan.

CHOICE BARRED ROCKS, EGGS 15-75c. 45-\$2.00. Prepaid. J. M. Jarvis, Newton, Kan.

PURE BRED BUFF ROCK EGGS 75c SET- ting, \$4.00 hundred. Henry Marten, Wa- mego, Kan.

BEAUTIFUL BARRED ROCKS, EGGS 15- \$1.00. Hundred \$4.00. Prepaid. Henry Hankey, Newton, Kan.

PRIZE BARRED ROCK EGGS \$2.50-15, \$4.50-30. \$9-100, 106 premiums. Mrs. Chris. Bearman, Ottawa, Kan.

BARRED ROCKS, 72 PREMIUMS. STOCK sale. Eggs half price. Italian bees. Mattie A. Gillespie, Clay Center, Kan.

BUFF ROCK EGGS, FRISCO WORLD'S Fair championship stock. \$1.50 and \$3 per fifteen. C. R. Baker, Box M, Abilene, Kan.

PURE BRED BARRED PLYMOUTH Rocks, (range) 15 eggs, 50 cents; 100 eggs, \$3.00. Mrs. Joe Hirt, R. No. 4, White City, Kan.

PURE BARRED ROCK EGGS, FLOCK headed by exhibition cockerels. Farm range. \$1 per 15. \$4 per 100. Mrs. H. Buchanan, Abilene, Kan.

FANCY BARRED ROCK EGGS FROM 3 fancy mated pens, prize winners at state show, at half price balance of season. M. P. Thielen, Fancier, Lucas, Kan.

### RHODE ISLAND WHITES.

ROSE COMB RHODE ISLAND WHITES, from best eastern stock. Large as Reds. Have won prizes wherever shown. Orders filled promptly. Eggs 15, \$1.25; 50, \$3.25; 100, \$6.00. Write for catalog. Col. Warren Russell, Winfield, Kan.

### RHODE ISLAND REDS.

ROSE COMB REDS. EGGS \$1-15. \$5-100. Emma Tasker, Delphos, Kan.

SINGLE COMB RED EGGS 100-\$3.50. 30-\$1.50. Mrs. Rosa Janzen, Geneseo, Kan.

S. C. RED EGGS 100-\$2.50. 50-\$2.00. PRE- paid. Excellent winter layers. Mrs. L. S. Leckron, Abilene, Kan.

S. C. RED PEN EGGS \$3.75, \$2.50 AND \$1.50. 100 range \$5.00. 25 chicks \$3.50. Thos. D. Troughton, Wetmore, Kan.

ROSE COMB REDS, PURE BRED, FARM range, eggs 100-4.00. Hen-hatched chicks 10. Mrs. Alex Letch, Parkerville, Kan.

EGGS AT SACRIFICE PRICES AFTER May 22 from our six grand pens Rose Comb Reds, mated to roosters costing \$15.00 to \$35.00. 15 eggs \$1.50. 30-\$2.50. 50-\$4.00. Pure bred range flock \$3.50 per 100. Also good hens and roosters cheap. Catalog. W. R. Huston, Americus, Kan.

### RHODE ISLAND REDS.

PURE BRED ROSE COMB REDS. FARM range. Eggs \$4.00-100. Chicks .10 hen hatched. Mrs. Jas. Crocker, White City, Kan.

R. C. RHODE ISLAND REDS. BUSCH- man strain. Heavy winter layers. Rich dark red. Eggs 75 cents and \$1.50 per 15. Ford Crittenden, Syracuse, Kan.

THOROUGHbred ROSE COMB RHODE Island Reds, dark brilliant red and vigor- ous. 15 eggs \$1.00. 100 \$5.00. Fertility guaranteed. Mrs. Wyatt Shipp, Savonburg, Kansas.

### TURKEYS.

THOROUGHbred WHITE HOLLAND turkey eggs 30 cts. each. Frank Darst, R. No. 3 Box 17, Fredonia, Kan.

### WYANDOTTES.

PURE SILVER WYANDOTTES, 100 EGGS \$4. Mrs. J. W. Gause, Emporia, Kan.

SILVER LACED WYANDOTTE. EGGS \$5 per 100. Mrs. Alvin Tennyson, Lamar, Kan.

SILVER WYANDOTTES, PURE BRED. Eggs 75c per 15, \$2 per 50. Mrs. George Milner, Neosho Falls, Kan.

GOLDEN WYANDOTTES, EGGS AND Chicks. Prices reasonable. Mrs. H. O. Mott, White City, Kansas.

WOOD'S SILVER WYANDOTTE EGGS hatch quality birds. Write for mating list. Earl Wood, Grainfield, Kan.

TRY WHITE WYANDOTTES FOR EGGS the year around. Eggs at 15-1.25. 50-\$3.00. 100-\$5.00. Andrew Kosar, Delphos, Kan.

DO YOU WANT WINTER EGGS? YES? Then you want Bonnie View White Wyandottes. Bonnie View Farm, New Sharon, Kan.

COLUMBIAN WYANDOTTE EGGS OF prize winners \$2.00 utility flock, \$1.00 set- ting also fancy pigeons. J. J. Pauls, Hills- bore, Kan.

SILVER WYANDOTTE EGGS, PLENTY OF them, from extra fine pens. Bargains in a few cocks. Incubator eggs \$5.00 per 100. M. B. Caldwell, Broughton, Kan.

WHITE WYANDOTTES; WINNERS AND layers. Eggs from choice flock \$1.50 per 15, \$7 per 100. Guarantee 9 chicks per set- ting or duplicate at half price. G. A. Wiebe, Beatrice, Neb.

### SEVERAL VARIETIES.

BANTAMS, WHITE COCHIN; 17 EGGS delivered \$1.25. Mrs. Albert Peffley, El Dorado, Kan.

UTILITY BARRED ROCKS AT BERMUDA Ranch. Eggs 15-\$1.00, 100-\$4.00. English Penciled Runner ducks eggs 12-\$1.00. 100-\$5.00. Frank Hall, Toronto, 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.

ABERDEEN ANGUS BULLS. CHOICE IN- dividuals. Alex Spong, Chanute, Kan.

LARGE YOURSHIRES, FALL BOARS AND gilts for sale. N. E. Hane, Lincolnville, Kan.

HOLSTEIN COWS AND HEIFERS: TWO carloads. Fancy grades. What do you want? Paul E. Johnson, South St. Paul, Minn.

TAKEN UP, THREE BRONCHO MARES, one gray and branded. One bay, and one sorrel. Came March 23. Address L. D. Blinn, Scott City, Kan.

FOR SALE; UP-TO-DATE POLAND CHINA pigs and White English bull terrier pups. Buy at weaning time and save express. C. D. Close, Gorham, Kan.

WELL BRED CALVES; SHORTHORNS—Holsteins—Guernseys. Bulls or heifers. \$12.50 to \$25 each crated to express. Write for particulars. Paul E. Johnson, South St. Paul, Minn.

FOR SALE OR TRADE—REGISTERED draft stallion. Cash or trade for desir- able live stock. Selling for no fault, sound, good breeder, sure, fine disposition, extra heavy bone, young and right in every way. J. W. Lock, Burlington, Kansas.

FOR SALE—TWO YEAR OLD ST. BER- nard dog, male, orange and white, pedi- gree, sire Vincent Astor, dam imported Sicilian Princess. Helge Fihblad, Linds- borg, Kan.

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DWARF KAFIR. CLEAN AND PURE. Send for sample. \$1.50 per bushel. Gould Grain Co., Dodge City, Kansas.

SPANISH PEANUTS—SOUND, BRIGHT seed. One dollar per bushel, sacked, our track. W. R. Hutton, Cordell, Okla.

HOMEgrown ALFALFA AND WHITE blossom Sweet clover, fancy and choice. Write for samples and prices. Asher Adams, Osage City, Kansas.

CANE SEED, RECLEANED, CHOICE, high germination. Orange 65c, Sumac or Red Top 75c per bu. Choice Black cap white Kaffir 75c per bu. W. E. Doug, Eureka, Kan.

SWEET POTATO PLANTS, RED BER- muda, Yellow Jersey, \$1.25 thousand by express. 25c hundred postpaid. T. F. Pine, Lawrence, Kan., R. No. 3.

POTATO PLANTS—PUMPKIN AND DOO- ley. 85 cents a thousand, millions of plants, none better, temporary reduction to move them. Guaranteed true to name, properly packed and promptly shipped. One hundred postpaid, 20c. G. B. Forsman, Riviera, Texas.

PLANTS—SWEET POTATO, YELLOW JER- sey 1000-\$1.00. Per hundred 25c postpaid. A few Bermuda Golden, red Jersey and Queen, while they last per hundred post- paid 30c. Tomato—Matchless and Beauty, 1000-1.25. per hundred 30c postpaid. J. Ginter, N. Topeka, Kan., Rt. 6.

POTATO PLANTS—SOUTHERN QUEEN, Yellow Yam, Pink Yam, Nancy Hall, Mis- sissippi Yam, Georgia Yam, prepaid by parcel post 200-50c. 500-\$1.15. 1000-\$2.25. Safe delivery guaranteed, large quantities, low prices, according to variety. Ozark Nursery, Tahlequah, Okla.

PLANTS—EARLY SUCCESSION AND LATE cabbage 25c per 100. \$1.25 per 1000. To- mato—E. Tree, Dwarf Champion, Kansas Standard, Stone and Matchless 25c per 100, \$2.00 per 1000. Sweet potato—Yellow Jersey and Yellow Nansemond 17 1/2c per 100, \$1.25 per 1000. Red Bermuda, Southern Queen, Nancy Hall and Pride of Kansas 30c per 100, \$1.50 per 1000. Hot Pepper and Egg Plant 10c per 12. 5c extra if sent by parcel post. E. P. Rude, North Topeka, Kansas.

PLANTS, TOMATOES—EARLY KANSAS Standard, Early Tree, Early Dwarf Stone, Early Dwarf Champion, Beauty, New Stone, Matchless, Sparka Earlans 25c-100. \$2.00-1000. Cabbage—Early Jersey Wakefield, Early Winningsstadt, Charleston Wakefield, Early Summer, St. Louis Market, Succession, Early Flat Dutch, Late Flat Dutch, 25c-100, \$1.50-1000. Pepper—Ruby King, Chinese Giant, Cayenne Long Hot, 40c-100, \$3.00-1000. Sweet potatoes—Dooley Yama, South- ern Queen, Pride of Kansas, Nancy Hall, Red Bermuda, Yellow Jersey, Yellow Nan- sum, Triumph 25c-100. \$1.50-1000. Black Spanish and Vineless \$2.00-1000. Not pre- paid. John Patzel, 501 Paramore St., N. Topeka, Kan.

PLANTS, PLANTS, JOIN THE RANKS OF the thousands who are satisfied "Acme" plant buyers. They are all over the South- west. Nancy Hall potato plants from seed free from rot or disease imperfections, in- suring keepers and yielders. Nancy Hall best for market, brings highest price, best yielder, best keeper, best flavor, world's best every way. 12 reasons why and cultivation instructions free. No garden, no farm com- plete without them. Cheap, irresponsible plants are high at any price after you work them all year and get nothing. All plants packed in strong cartons manufactured for us, safe delivery, quick shipment, guaran- teed. Junepink, Newatone, Redrock, Earlans tomato plants, Charleston Flatdutch, Drumhead, Allhead cabbage plants. All plants one price and postpaid. Everything postpaid, 25c hundred; \$1.50 thousand. Beware irresponsible plants. Order "Acme" plants perfectly packed. Acme Plant Com- pany, "Largest Southwest," Bentonville, Arkansas.

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PEDIGREED SCOTCH COLLIE PUPS AND fine brood bitch. Frank Williams, Edger- ton, Kan.

FOR SALE—TWO YEAR OLD ST. BER- nard dog, male, orange and white, pedi- gree, sire Vincent Astor, dam imported Sicilian Princess. Helge Fihblad, Linds- borg, Kan.

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CHOICE WHIPPOORWILL COW PEAS \$2.15 bu. sacked guaranteed. Brooks Wholesale Co., Ft. Scott, Kan.

ACCLIMATED BERMUDA GRASS ROOTS. Bran sack full \$1.00. Six sacks \$5.00. Frank Hall, Toronto, Kan.

FOR SALE—SWEET POTATO PLANTS, Yellow Jersey, Red Jersey, Black Spanish, Red Bermuda and Southern Queen at \$1.25 per 1000, ready May 1st. Jno. R. Blevins, R. 6, Box 16, Lawrence, Kan.

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BELGIAN HARES. LUTE CARR, GARDEN City, Kan.

BELGIAN HARES, ALL VARIETIES, also pheasant eggs. J. W. Wampler, Garden City, Kansas.

YOU CAN MAKE A LIVING IN YOUR back yard raising Belgian Hares; particulars free. W. G. Thorson, Aurora, Colorado.

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CHEAP LAND FOR SALE. F. M. Hindman, Richfield, Kan.

FOR SALE—FARM, NEAR STATE UNIVERSITY. Lawrence Morscher, Lawrence, Kan.

SELL YOUR PROPERTY DIRECT TO buyer pay no commission. H. A. Bledy, Little Rock, Ark.

FOR SALE BY OWNER. 120 A. FINE smooth tillable land in Southwest Mo. R. L. Steele, Optima, Okla.

BEAUTIFUL HOMES, BEST SCHOOL town. Improved tracts, irrigated and cheap lands. King & Thompson, Greeley, Colo.

320 ACRE HOMESTEADS, ALSO CHEAP deeded land. Climate healthful, pure water, soil productive. Amistad Realty Co., Amistad, N. Mex.

STOCK OF GENERAL MERCHANDISE and farm implements. Invoice about \$12,000. Will trade for land or income property. Address B, care Mail and Breeze.

WANTED—FARMS AND RANCHES! OWNERS send description. We have cash buyers on hand. Don't pay commission. Write Up-to-Date Realty Exchange, La Salle, Illinois.

FARMS AND UNIMPROVED LANDS ON easy terms. Real bargains in any state. Send for our free magazine. Services free to buyers. Western Sales Agency, Minneapolis, Minn.

48 ACRES ADJOINING IOLA, POPULATION 10,000. Pavement to door. Fine large residence. Barn and poultry house. Free city water. Fruit and alfalfa. \$10,500. Box 186, Iola, Kan.

FOR SALE, BY THE OWNER. TWO 140-acre farms, adjoining, in Northeast Kansas. All fenced and cultivated. Good buildings, wells, windmills. 2 1/2 miles to station. Good terms. Address "Owner," 204 2nd Ave., Leavenworth, Kansas.

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WANTED—FARMS; HAVE 3,357 BUYERS; describe your unsold property. 647 Farmers' Exchange, Denver, Colo.

WANTED TO HEAR FROM OWNER OF good farm for sale. State cash price and description. D. F. Bush, Minneapolis, Minn.

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

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ITALIAN BEES FOR SALE. A. H. DUFF, Larned, Kan.

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

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LET US TAN YOUR HIDE; COW, HORSE, or calf skins for coat or robe. Catalogue on request. The Crosby Frisan Fur Co., Rochester, N. Y.

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FOR SALE—CARPET LOOM, RUG LOOM, raveler, cutting table, etc., cheap. W. J. Davis, Route 3, Burlingame, Kan.

FOR SALE—RUMELY OIL PULL 25-45 kerosene traction engine and 32 inch Rumely separator. Fred Polka, Smith Center, Kan.

GOOD RESIDENCE PROPERTY IN HUTCHINSON to trade for 320 relinquishment or deeded land in Colo. J. H. Bryan, Hutchinson, Kan.

A BARGAIN—ONE 13 HORSE POWER Garr-Scott traction engine and water wagon. One Ann Arbor hay press. W. M. Dice, Tecumseh, Kan.

FOR SALE OR TRADE—THRASHING outfit, complete, will consider stock or Western Kansas land in trade. Address A. T. Lorimer, Collyer, Kan.

FOR SALE—28 IN. WOOD BROS. SEPARATOR. W. A. Leffler, Canton, Kan.

FOR SALE—STOCK OF GENERAL MERCHANDISE, good location, large territory, German settlement. Invoice about \$2500. Country town. Write Box 3, Goessel, Kan.

TO EXCHANGE QUICK FOR LAND IN Kan. or Okla. for small mill and ele. in Sumner county, Kan., in good town, two R. R. Clear of encumbrance. Write A. M. Brandt, Severy, Kan.

MILL FOR SALE OR TRADE FOR GOOD land, running good business, will bear strictest investigation. Write if interested. Signed E. Brown, 712 Rorabaugh-Wiley Bldg., Hutchinson, Kan.

SEVEN ROOM HOUSE, HALF BLOCK ground, Nickerson, Kan. County high school, modern conveniences. Prefer selling, will trade. Write for details. Turon Mill & Elevator Co., Hutchinson, Kan.

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HOME CANNERS—ALL SIZES. USED BY U. S. government schools, girls' clubs, collaborators and farmers everywhere. Headquarters for cans and labels. For catalog and special offer, write Royal Home Canner Co., Dept. 200, Albion, Ill.

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LUMBER! BUY FROM US. HIGH GRADE. Bottom prices. Quick shipment. Keystone Lumber Co., Tacoma, Wash.

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"UNCLE SAM" WANTS HELP. \$75 MONTH. Write immediately for list positions now obtainable. Franklin Institute, Dept L 48, Rochester, N. Y.

WANTED—RESPONSIBLE REPRESENTATIVE. 12 tools in 1. Sells to farmers, teamsters, contractors, etc. Lifts 3 tons, hoists, stretches wire, pulls posts. Many other uses. Free sample to active agents. One agent's profit \$45 in one day. Another \$1000 in Dec. We start you. Write for Big Color Plate. Secure exclusive sale. Harrah Mfg. Co., Box M, Bloomfield, Ind.

AGENTS

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WE WILL PAY YOU \$120.00 TO DISTRIBUTE "Successful Farming" in your locality. Money making book for farmers. Write at once for our new Institute plan. 60 days' work or less. No money required. International Institute, 430 Winston Bldg., Philadelphia.

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GOVERNMENT FARMERS WANTED. \$60 to \$125 monthly. Free living quarters. Write Osmont, 38F, St. Louis.

MOLER BARBER COLLEGE. OLDEST and cheapest. Men wanted. Write for free catalogue. 514 Main St., Kansas City, Mo.

SALESMEN WANTED FOR FRUIT AND ornamental trees. Experience unnecessary. Outfit free. Pay weekly. Carman Nursery Co., Lawrence, Kan., Dept. A.

WANTED. RAILWAY MAIL CLERKS, clerk-carriers, and rural carriers. I conducted examinations. Trial lesson free. Write, Osmont, 38 R, St. Louis, Mo.

THOUSANDS GOVERNMENT JOBS OPEN to men—women. \$75 month. Short hours. Steady work. Common education sufficient. Write immediately for free list of positions now obtainable. Franklin Institute, Dept L 51, Rochester, N. Y.

WANTED SALESMAN—WE ARE ENLARGING our sales force in the West and can use you if you are wide awake. \$10.00 a day and up easily made on your own sales and more if you hire and teach others to work for you. You double your money on each sale. Experience unnecessary. No traveling. Exclusive territory. Write today. United Vacuum Sweeper Company, 1315 W. Congress, Chicago, Ill.

MISCELLANEOUS

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WANTED—TWO DOUBLE ENGINE DISKS. E. S. Smith, Liberal, Kan.

WANT TO RENT A GOOD IMPROVED 1/2 section or more, in Kansas. Can give reference as to my ability. John Pelton, Heizer, Kan.

HEAVES CURED OR MONEY BACK. Baird's Heave Remedy is guaranteed. Write Baird Mfg. Co., Box 601, Purcell, Okla., for particulars.

EVERY FARMER HAVING HOGS SHOULD have our new "Never-Fail" Automatic Waterer. Pays for itself in few days. Works always, summer and winter. Needs no heater. Price \$5.00. Community agents wanted everywhere. Automatic Stock Fountain Co., 5231 Underwood, Omaha, Neb.

BIG WESTERN WEEKLY SIX MONTHS 10 cents. Biggest and best general home and news weekly published in the West. Review of the week's current events by Tom McNeal. 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.

A Favorable Corn Outlook

BY W. H. COLE  
Cowley County

The bulk of the corn planted on our farm this spring was of the Calico and Boone County White varieties. These are two kinds that have proved themselves capable of giving good accounts of themselves when weather conditions are at all favorable. Some Squaw corn also was planted.

The cultivator was started the same day the planting was finished. The first planting was up nicely, perhaps 4 inches, and had at that time four or five leaves. It was a little small to cultivate perhaps but the grass was starting thickly and recollections of what trouble this same kind of grass caused us last summer prompted us to take no chances of having a wet spell of weather catch us before the grass was destroyed. Some farmers have used the harrow to go over this corn the first time but we do not depend on the harrow, as a corn tool, so much as some farmers do and much prefer the cultivator even if it is slower. The harrow may be a good implement to use on corn if there are no weeds or grass but if these two pests are present in any quantities we think it is better to root them out with a cultivator than to tickle them with a harrow.

We had our first "tussle" with a two row shovel cultivator one day recently. We employ the word "tussle" for it seems to adequately describe what we went thru with the first few hours that we spent on that machine. When a farmer who has never operated a two row shovel cultivator puts two young mules and two green colts on the machine and undertakes to cultivate small corn he is sure to have a hard time of it until he gets the hang of how to run it. At least that was our experience. The first rows we tried to cultivate were also the first ones we planted and at the time of planting we were very much provoked with ourselves to think we used the wrong plates and got the corn too thick. After we had gouged around over them with that two row machine the stand was none too thick; it looked like a battle front that had been exposed to machine gun fire. However the knack of guiding the cultivator by means of the end wheels soon was mastered and when the teams learned where to walk it was possible to do an excellent class of work quite rapidly.

The condition of the wheat and oats is very satisfactory. A month ago there was considerable worrying being done because they did not look better but the way in which both crops have come out should be a warning to the farmers not to borrow trouble. By the time this appears in print there will be much of the wheat in the head.

Livestock Men to Manhattan

There will be a big attendance of livestock men at the meeting Friday, June 9, at Manhattan. This is the annual meeting at the Kansas State Agricultural college, which is held at the end of the winter experiments. An excellent program has been arranged. P. W. Coburn of Kansas City, Kan., president of the largest bank in the state and president of the National Bankers' association, is on the program for a talk on "Financing the Cattleman." W. R. Stubbs, former governor, will speak on "The Relation of the Range Cattle Business to the Feeding Industry."

From outside the state will come Charles F. Curtiss, director of the Iowa Agricultural Experiment station and dean of agriculture in the Iowa State college. Arthur Capper, governor, has been asked to preside at the conference. Local speakers will include Dr. H. J. Waters, president of the college; W. M. Jardine, dean of agriculture; W. A. Cochel, professor of animal husbandry; and others. Results will be presented of tests made at Manhattan in feeding 100 calves to make yearling beef. These tests are to show a comparison between shelled corn and ground corn and corn and cob meal, between ground kafir and ground corn, and between kafir heads and ground corn and corn and cob meal. The effect will also be shown of adding silage to a ration of corn, cottonseed meal, and alfalfa hay.

There is not enough cackle in a rooster to pay for his keep.

Silverize Your Silage. Give It a Mold-Proof Cut. Silver's "Ohio" The Logical Silo Filler. Backed by 62 years' manufacturing experience. THE SILVER MFG. CO. 348 Broadway, Salem, Ohio. "Modern Silage Methods" 264 pages, 10c.

KEROSENE ENGINES. WITTE 1016 MODEL. 90 DAYS TRIAL EASY TERMS. FREE BOOK. Greatest Engine value I ever offered.—Ed. H. Witte. Pulls 30 to 50 per cent over factory rating. Sturdy, dependable; Lowest priced; Lowest cost of operation; Better built. My 30 years' engine experience and a \$500,000 factory behind every engine I sell. Inside Facts about the engine business are told in my Free 4-color book. Don't buy any engine at any price till you read it. Full of interesting information. E. H. Witte Engine Works 1548 Bellvue Avenue, Kansas City, Mo. 1548 Empire Building, Pittsburgh, Pa.

New Small Sized Threshers For Small Sized Tractors. NOW you can get a small Avery "Yellow-Kid" Thresher in either a 19x30 or 22x36 inch size for use with a small tractor. An Avery 8-16 Tractor and 19x30 Thresher or an Avery 12-25 Tractor and 22x36 Thresher will make you a fine small threshing outfit. Got ALL the Facts about Avery Tractor Farming and Threshing Outfits. Six sizes Tractor Plowing Outfits—a size for every size farm. Five sizes Tractor Threshing Outfits—a size for every size run. Write now for 1916 Avery Tractor, Plow and Thresher Catalog. Address AVERY COMPANY 1002 Iowa Street, Peoria, Illinois Ask for address of nearest Franch House or Jobber. Threshers Save The Grain.

FLEXOID FLEXOID will save your Hay, Grain and Machinery from exposure ON THE FARM. FLEXOID is the guaranteed waterproof and mildew proof covering for your hay, grain and machinery. Our impregnating process gives FLEXOID its wonderful protective and lasting qualities guaranteed to give you longer and better service than canvas or tarpaulin. FLEXOID THE CANVAS OF A HUNDRED USES. Hay stack, haycock, grain, machinery or wagon cover sizes; sold by the yard, for miscellaneous purposes such as food troughs, lining for granaries, temporary roofing, covering for new concrete work, merchandise, etc. FLEXOID will save you money. WRITE TODAY for a FREE SAMPLE and Descriptive Booklet, mentioning your dealer's name. BEMIS BRO. BAG CO. DEPT. J. 212 West 10th Street, Okla. City, Okla. FLEXOID IT USES IT UP.

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# 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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**OIL AND GAS LEASES.** Farms and ranches, C. W. Harvey, El Dorado, Kan.

**SNAES.** 80 and 160, 3 mi. out; fine imp. Possession. Decker & Booth, Valley Falls, Kan.

**CLARK COUNTY** wheat and ranch land, \$10 up. Harvey & Woodring, Ashland, Kan.

**280 A.** 2 sets improvements, 100 cult., bal. grass. \$40 a. W. H. Sharp, Caney, Kan.

**PROSPEROUS** Meade County. Land, \$12 and up. No trades. Write J. A. Denlow, Meade, Kan.

**CHASE CO. RANCHES** and grass land for sale only. No trades. Webb & Park, Clements, Kan.

**FOR SALE.** 640 a. unimp. Kan. wheat land. N. E. corner Logan Co., near railroad. \$20 per a. J. E. Tannahill, Garden City, Mo.

**RIO GRANDE** Valley irrigated alfalfa land, half price. Kan. and Colo. wheat lands, \$5 up. Morris Land Co., Owner, Lawrence, Kan.

**FOR SALE:** 80 acres, joins the city of Wichita; all level and every foot alfalfa land. Nothing as good around it at \$200 per acre. Price for a short time only \$125 per acre. There is a mortgage company loan on this; \$5000 long time 6%. Wright & Edmister, 415 Fourth National Bank Bldg., Wichita, Kan.

**NESS COUNTY.** 4 quarters to sell on "Wheat plan"—80% tillable; good, rich, level wheat land, 240 a. in cult., 8 mi. Ness City, 6 mi. Ransom. Might sell a section without the half. \$21 a. Terms, \$500 per quarter down, bal. all payable from crop, including 6% int. C. F. Edwards, Ness City, Kan.

**IF YOU** are looking for something good in the limestone soil let us show you. E. F. McCarty & Son, La Cygne, Kan.

**200 A. VALLEY,** 90 cult. Pasture and hay; 2 improvements. \$35 acre. Terms. C. A. Tipton, Elk City, Kansas.

**160 A.** 6 mi. from Minneola, 100 a. wheat, 1/2 goes with place. 60 a. pasture; rich loam soil. Price \$32.50 per acre. Terms. Nate Neal, Minneola, Kansas.

**80 ACRES** smooth tillable land, 4 miles town, 30 bluegrass, remainder cultivation, good house, barn, other buildings, plenty water. Price \$6000.00, \$1000.00 down, remainder 6% Mansfield Land Company, Ottawa, Kansas.

**VERY FINE** 800 acre wheat and stock ranch, 6 mi. out; highly improved. If sold by June 1st, 1/2 of wheat goes with sale. Snappy price for 30 days. Send for list of 60 fine farms. Huxton & Rutherford, Utica, Ness Co., Kan.

**FOR SALE:** 640 acres, 4 square section, all tillable, smooth land in Lane county, Kan. All the best quality of black loam soil, free from defects. 440 acres in cultivation, 200 acres of it sod, just broken, 100 acres now in wheat; no improvements, best bargain in Kansas, at \$15 per a. Terms on part. A. J. Bellport, Jr., Wichita, Kan.

## GOOD KANSAS LAND CHEAP

Those who located in Central Kansas 20 years ago are farmer-kings today. Their land has made them independent.

Your chance now is in the five Southwestern Kansas counties adjacent to the Santa Fe's new line, where good land is still cheap.

With railroad facilities this country is developing fast. Farmers are making good profits on small investments. It is the place today for the man with little money.

Wheat, oats, barley, speltz, kaffir and broom corn, milo and feterita grow abundantly in the Southwest counties referred to. Chickens, hogs and dairy cattle increase your profits.

Write for our illustrated folder and particulars of easy-purchase contract by which you get 160 acres for \$200 to \$300 down, and no further payment on principal for two years, then balance one-eighth of purchase price annually, interest only 6 per cent—price \$10 to \$15 an acre. Address

E. T. Cartledge,  
Santa Fe Land Improvement Co.,  
1869 Santa Fe Bldg., Topeka, Kas.

**160 A. WELL IMP.** 100 cult.; 15 alfalfa, bal. pasture. Creek bottom. No overflow. \$160 income, gas rental. \$45 a. J. W. Showalter, Altoona, Kan.

**A BUSH COUNTY, KANSAS, SNAP.** 160 acres, 150 acres in wheat, share with place, good location, no improvements, only \$5,000. Terms. Write Jas. H. Little, La Crosse, Kansas.

**SEEK LAND AND LOTS AT AUCTION.** It is the surest, quickest, most successful method, proven by hundreds of auction sales this season. For terms, etc., write **LAFE BURGER, LAND AUCTIONEER,** Wellington, Kan.

**WHEAT LANDS FOR SALE.** A few choice wheat farms in Rush Co., Kan., can be bought with a small cash payment; bal. on wheat plan. Write for particulars. Schutte & Newman, La Crosse, Kansas.

**A REAL BARGAIN.** 273 a. good smooth land, 100 a. bottom, 2 sets improvements; good 8 room house, big barn, 10 a. bearing orchard; 1/2 miles to good R. R. town. Part cash, bal time; easy terms. Worth \$60, price \$45. **Salter Realty Co.,** Wichita, Kan.

**MODERN BOTTOM FARM, CLOSE BY.** 30 acres, 2 1/2 mi. from Washburn college. Buildings new; 5 r. house, large barn, 2 silos, Fairbanks scales, gasoline engine. Everything in first-class condition. Easy terms. Possession any time. Price \$8,000. **Stephenson & Webb,** Topeka, Kan.

**SOUTHWEST KANSAS LAND** Do you want a list of farm and ranch lands? Write Griffith & Daughman, Liberal, Kan.

**TREGO COUNTY** I have some "peachy" bargains in Trego wheat lands, \$10 to \$30. For real snaps see G. C. Bittman, Wakeeney, Kan.

**Rooks County Farm** 240 a., 160 a. cult. Six and a half miles from county seat. 7 room house; barn 22x34 with shed 14x28. Cattle shed 32x32; chicken house; buildings 4 years old. \$45 per a. **A. L. Graham,** Stockton, Kan.

**Here's Another Snap** 320 a. in German settlement, smooth and level, 60 a. cult. Price \$15 per a. Can make terms. The cheapest land in country. The first man who sees it will buy. **Coons & Jacobs,** Plains, Kan.

**GRAHAM CO., KAN.** Ranch propositions, living water, from 1000 a. up, improved at \$15 to \$25 an acre. 160, 320 and 640 a. improved farms at from \$25 to \$35 an acre. Seeing is believing. **Revelle Realty Company,** Hill City, Kan.

**80 ACRES ONLY \$500** Wilson Co., Kan., 60 a. cult., 20 a. past, good bldgs.; 190 hens, cow, 2 sows, share crop, goes; only \$5200; terms; \$500 holds it; no interest. **E. M. Mills,** Schweitzer Bldg., Wichita, Kan.

**Chase County Stock Ranches** If you handle stock send for list of stock ranches. Our grass puts the fat on the steer in the summer, and our farm lands grow the tall corn and alfalfa to finish him in the winter. **WRITE NOW.** J. E. Bocoek & Son, Cottonwood Falls, Kan.

**TRADES EVERYWHERE.** Exchange book free. **Bersie Agency,** El Dorado, Kan.

**SPECIAL bargains.** Oasak farms and ranches sale or trade. **J. H. Engelking,** Diggins, Mo.

**160 A. IMP.,** well watered; 130 a. cult. Marchandise. **Weaver & Son,** Deepwater, Mo.

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**BOOKLET** of "photographed" farm bargains for sale or exc. **James Harrison,** Butler, Mo.

**CALIFORNIA** property exchanged for Middle West, city or country. **Wheeler-Wilson,** 728 Story Bldg., Los Angeles, Calif.

**204 ACRES** Anderson Co., Kan. Improved; to exchange for clear land or income property. **J. F. Kessel,** Colony, Kansas.

**TO TRADE—Good** 160 a. in Hamilton Co., Kan. Submit proposition, giving price, etc. **Haines & Cooney,** Hutchinson.

**640 A. GOVE CO.,** wheat farm, spring water, near town; price \$14,000. Want Eastern farm equal value. **J. F. Kell,** Salina, Kan.

**TWO 40 A.,** two 80 a. and one 140 a. improved farms Washington Co., Ark. Want mds., trade all or separate. **Box 24, Springdale, Ark.**

**IF YOU** want to buy, sell or exchange lands or city property, any place, write us, we can put 'em over. **T. C. Pollock & Co.,** 1009 Commerce Bldg., Kansas City, Mo.

**160 A.** in Marshall Co.; 130 cult., bal. grass. Good imp. \$100 a. Inc. \$4400. Long time at 6%; want cheaper land or city property. **A. A. Murray,** Westmoreland, Kan.

**SCOTT COUNTY** 160 a. level, near Modoc; close to school. 70 acres wheat; \$15.00; terms. Improved farms, ranches, alfalfa land. **R. H. CRANTREE,** Seest City, Kansas.

**Stevens Co., Kansas Special** 160 acres 4 miles S. of Moscow; nice smooth land. Sandy loam. The farm across the road made 40 bushels of wheat per acre in 1915. A snap; \$2000.00. **Moscow Land Co.,** Moscow, Kansas.

**These Good Rains** mean big crops, and advanced land prices. Buy while you can secure good wheat farms, every foot smooth and tillable at from \$9 to \$17.50 per acre. Write for list and literature. **Satanita Land Co.,** Satanita, Kan.

**ATTENTION HOMESEEEKERS!** 100 farms for sale. Land that has averaged production of from ten to thirty per cent of its value per year for ten years. If interested address **The Benton & Hopkins Investment Co.,** Oberlin, Kansas.

**Lyon County Farm** About one section, near Emporia, seventy acres in alfalfa, fine grass, good water and good buildings; combination farm. Will take smaller farm or good rental property as part pay. Write **Owner, Box 24, Opa, Kansas.**

**RANSOM** Is located on the famous Dutch Flatts in the center of a fine agricultural district in Ness County, Kansas. The country is developing rapidly, but I can still sell land at from \$10 to \$25 per acre. **V. H. West,** Real Estate Dealer, Ransom, Kan.

**FARM BARGAIN** 280 acres, 3 miles good town, 80 miles Kansas City, all tillable, 180 a. in cultivation, 40 a. native meadow, 60 a. pasture, 7-room house, frame barn 20x40, and out bldgs., near school and church, 3 good wells, living spring, the best bargain in East Kan. Price \$47.50 per a. **East H. Sewell,** Garretts, Kan.

**Santa Fe R.R. Lands** We have good propositions for the man with \$100, as well as the man with \$100,000. Large and small tracts, improved and unimproved. Terms, cash or easy payments. Low interest rates. **Santa Fe Land Co.,** Hugoton, Kansas.

**Ness County Lands** Good wheat and alfalfa lands at \$15 to \$25 per acre. Fine crops of all kinds in 1914 and better crops in 1915. No better soil in Kansas. Land in adjoining counties on the east \$40 to \$75 per acre. Buy here while land is cheap. Write for price list, county map and literature. No trades. **Floyd & Floyd,** Ness City, Kansas.

**200 NEAR HUGOTON, WILL TAKE AUTO.** Fine, smooth half section, 11 miles south County seat. Buffalo and Red Top grass. No cultivation. No improvements. Price \$75 per acre. Will take good car in part pay, carry \$200 on land long time, and balance cash. **Land-Thayer Land Co.,** Hugoton, Kansas.

**260 ACRES** On the Bay of Galveston, well improved, all under irrigation, rice and fruit land. \$65 per a. Will exchange for Kan. land. 80 a. well improved, 40 a. apple orchard, 2 a. peaches, some small fruit, 2 miles from Geary, Benton Co., Ark. \$8,000, will exchange for west Kan. land. Some fine cheap homes in Wichita to exchange for land. 237 acres in Cass Co., Texas, improved. \$75 acres cult., bal. timber. \$25 per a. will exchange for Kan. land. **Live Wire Realty Co.,** Wichita, Kansas.

**FOR SALE.** At a great bargain in the next 30 days, one 210 acre, one 160 acre, and one 80 acre farm in Eastern Kansas. A part creek bottom land and all well improved. Also in the gas and oil belt and not leased. Come and see or write for description to **Wood Investment Co.,** Iola, Kansas.

**320 Acres** 1 1/2 miles of Marienthal, Wichita Co., Kansas. Good house and barn; well and windmill in sheet water district with enough water to irrigate whole tract. Will sell for \$25 an acre and will carry \$1200.00 back on place. Write and tell me your wants. **C. A. FREELAND, Leoti, Kan.**

**LANE CO.** If you want to buy a farm or ranch, in the coming wheat, corn and stock country of the West, write me as we have bargains from \$8.00 to \$25 per acre. Both improved and unimproved. Let me know what size farm you want and how much you want to pay on the same. **W. V. Young,** Dighton, Kansas.

**Free Map** Send today for colored lithographed map of Ness County and list of land bargains. **MINER BROS.,** (Established 1885) Ness City, Kan.

**OKLAHOMA** OKLA LANDS, 40 to 500 a. tracts. Write for list. **Roberts Realty Co.,** Nowata, Okla.

**FARMING,** pasture, oil and gas land, \$3 to \$15 a. **J. E. Cavanaugh,** McAlester, Okla.

**FINE CORN,** wheat, alfalfa and wild grass land in fine prairie country. Fine climate, \$15 to \$25 per a. Illustrated folder free. **E. C. Eby,** Waggoner, Okla.

**FARM HOMES** in the corn, fruit and alfalfa belt of Oklahoma, \$15 to \$20 per acre. Pure water. Good terms. Free list and map. **Ferry DeFord,** Oakwood, Okla.

**WHY PAY** \$150 an acre for Missouri, Iowa and Kansas land, when you can buy just as good farm lands for 1/2 or less? Big oil and gas field. **J. W. Davis,** Ada, Okla.

**100 ACRES,** 1/2 mile out, 80 cultivated, 100 tillable, house, barn, bearing orchard, good water, some timber. Price, \$15 per acre, for quick sale. **E. Pennington,** Oakwood, Okla.

**160 ACRE DAIRY FARM,** 8 room house, inexhaustible supply soft cool water. Windmill, 2 silos, good land, good market butter and milk. Stock, machinery, etc., if desired. 1/2 cash, balance 6%. **Charles Whitaker,** Eufaula, Okla.

**200 TRACTS LAND** varying from 1 to 20 a. adjoining and near McAlester was sold last January at Government auction. Fine for gardening, fruit, and poultry, part for sale by purchasers at low price. McAlester city, 15,000; write us about them. **Southern Realty Co.,** Medford, 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.

**Dewey, Washington Co., Okla.** Located in a splendid oil, gas and agricultural country. Has two steam railroads, one electric interurban, water works, sewer system, electric lights, natural gas, paved streets, free mail delivery, manufacturing plants, two National banks, splendid schools, the best county fair in the state and three thousand live energetic citizens. Want more folks like those already here. For information, write **Joe A. Bartles,** Dewey, Okla.

**COLORADO** 600 ACRES, gently rolling, all plow land, splendid soil, one and one-half miles Cheyenne Wells, County Seat, exceptional bargain \$25 per acre; half cash, balance to suit. **Cheyenne County Land Company,** Cheyenne Wells, Colorado.

**THE FARMER AND HEDDIER.** Why delay buying a good ranch when we can sell you improved land in the rain belt in Ribert County, Colorado, which will produce as much as Central Kan. \$450 down, balance 5 years 5% per cent. Write for literature; better still COME AT ONCE. **H. F. Fisher,** Pueblo, Colo.

**ARIZONA** COME TO CASA GRANDE, Ariz., and take a new lease on life. Climate unsurpassed—best and cheapest place to raise alfalfa, fruit, citrus, hogs and cattle. Beautiful water supply. Good land cheap. **Geo. W. Burgess,** Casa Grande, Ariz.

MISSOURI

RESIDENCE and 40 a. unimproved, \$2,700. Mtg. \$475. S. W. Land Co., Fairplay, Mo.

40 A. Improved, close in, \$600; \$300 cash. Terms, Fellers Realty Co., Flemington, Mo.

520 A. fine stock and grain farm, well located. Well impr. Price \$55 per acre; terms. Canterbury & Canterbury, Butler, Mo.

HAVE some fine dairy and poultry farms on easy terms with small payments down. Write for booklet on this country and exchanges. J. A. Wheeler, Mountain Grove, Mo.

POOR MAN'S CHANCE—\$5 down, \$5 monthly, buys 40 acres good land, near R. R. town; some timber; price \$200. \$10 monthly buys 80 a. Write for list Box 425-O, Carthage, Mo.

TEXAS

BARGAINS, because of liquidation in lands. C. L. Wakefield, Trustee, Republic Trust Company, Dallas, Tex.

A SNAP. 480 a. imp. 200 in wheat. Land and location choice. \$15 a. \$1300 cash, bal. easy. J. N. Johnson Land Co., Dalhart, Tex.

Ranches For Sale

10,000 acres Culberson Co., Texas, \$2 bonus, 6,000 Webb County, \$2, 125,000 acres pasture Brewster, \$40,000, \$3,000 Farrell, \$1.25 bonus, 45,000 New Mexico, \$3, 23,000 acre ranch New Mexico, \$16,000. Several ranches and cattle for the price of the cattle. Many other large and small tracts. H. H. Hyde & Co., Gloyd Bldg., Kansas City, Mo.

NEBRASKA

808,812 BUSHELS OF WHEAT 1915. Free booklet of Cheyenne County, Neb. Greatest wheat section. Land \$10 acre, up. D. R. Jones, Sidney, Neb.

FOR SALE. Improved 1400 acre ranch located 1 mile from good town on main line U. P. R. R. in Cheyenne Co., Neb. Price \$17.50 per a. Write for our illustrated booklet. H. C. Casselman, Sidney, Neb.

FINE LITTLE RANCH—480 a., 200 fine cult., bal. fine pasture, well fenced; ample bldgs., good condition. Station 6 mi. McCook Neb. (Pop. 4,000). 11 mi. good roads. School 1 1/2 mi.; phone and R.F.D. Best small ranch in county. \$25 per a., 1/4 cash, bal. any time desired, 5%. No trades. Write R. A. Simpson, Owner, Blue Hill, Neb.

ARKANSAS

ARKANSAS LANDS. All kinds for hogs and cows. H. Hall, Waldron, Arkansas.

304 A. ARK. RIVER bottom farm, 200 a. open. A fine, rich farm, 3 sets imp. Public road to Conway. Rich as the valley of the Nile. Cash rent \$1,397. Bale of cotton, 75 bu. corn, 4 tons alfalfa hay acre, \$14,000. Terms. Bahner & Co., Conway, Ark.

1000 A. RIVER FARM, 80 bu. corn, per a. \$30,000. Terms. Holman Real Est. Co., Little Rock, Ark.

FOR SALE. 30 a., 1 1/2 miles out, well imp. 7 a. orchard. Bargain, \$3500. 10 a. tract for auto. Foster & Austin, Gravette, Ark.

FOR PARTICULARS and bargains in mineral lands, leases, or farmlands in Baxter or Marion counties, Ark., see or write C. C. Feemster, Mountain Home, Ark.

HOMESEKERS, ATTENTION! If you are looking for farm lands, fruit farms, berry and vegetable raising in the best climate with the best water, prices low and terms reasonable, write Kelly-Stratton Company, Mena, Ark.

MONTANA

OUR BOOKLET FREE. 80 to 320 a. tracts. Fine stock ranches. Western States Land & Development Co., Helena, Mont.

NEW YORK

60 ACRES, 8 room house, two stories; needs some inside work. Good barn 30x50 with basement. Land lays nice, if you want it, at once, \$1,000 takes it; half cash. Hall's Farm Agency, Owego, Tioga Co., N. Y.

WISCONSIN

80,000 ACRES cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhinelander, Wis.

ILLINOIS

FOR EXCHANGE—A well improved 1000 acre farm fifty miles south of Chicago, Ill. Price \$150,000.00. G. A. Long, Box 588, Momence, Ill.

SOUTH AMERICA

MY HOME is in South America; my family is there now. The Government offers large tracts of land FREE, if people from United States will come into the country, live there and develop it. Land is splendid for agriculture and grazing. Fruit is fine; climate excels southern California. I have come to United States to gather up 500 families to return as a colony. It will cost each of us \$75 to clear the expenses for the grant, no more. Each of us will own equal portion of entire grant. We ship altogether in 1917. Wanted, families, also single men and women. Write for full particulars and registration card. This place is Southern Bolivia. My native home in Missouri. This is backed up by United States business men of highest character. Write Mrs. Helen Hughes, 87 East Van Buren St., Chicago, Ill.

WHAT BREEDERS ARE DOING

FRANK HOWARD, Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Okla., 128 Grace St., Wichita, Kan. John W. Johnson, N. Kansas, S. Neb. and Ia., 320 Lincoln St., Topeka, Kan. Jesse R. Johnson, Nebraska and Iowa, 1937 South 18th St., Lincoln, Neb. C. H. Hay, S. E. Kan. and Missouri, 4204 Windsor Ave., Kansas City, Mo.

PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

Shorthorn Cattle.

June 15—S. S. Spangler, Milan, Mo. Poland China Hogs.

Oct. 18—Fred G. Laptad, Lawrence, Kan. Oct. 20—Peter Luft, Almena, Kan. Oct. 21—J. F. Foley, Oronoque, Kan. Oct. 25—Smith Brothers, Superior, Neb. Oct. 31—A. J. Swingle, Leonardville, Kan. Nov. 1—J. L. Griffiths, Riley, Kan. Feb. 7—Smith Brothers, Superior, Neb. Feb. 24—C. F. Behrent, Norton, Kan.

Duroc-Jersey Hogs.

Oct. 18—Fred G. Laptad, Lawrence, Kan. Oct. 17—F. J. Moser, Goffs, Kan. Nov. 2—Lant Bros., Dennis, Kan. Feb. 2—J. H. Froett & Son and H. J. Nachingall & Son, Alexandria, Neb. Feb. 8—W. T. McBride, Parker, Kan. Feb. 10—W. W. Jones, Clay Center, Kan.

Hampshire Hogs.

Feb. 27—Carl Schroeder, Avoca, Neb.

N. Kansas, S. Nebr. and Ia.

BY JOHN W. JOHNSON.

R. J. Bazant, Narka, Kan., (Republic county) is offering for sale 100 Spotted Poland China pigs, just weaned, at farmer's prices. Look up his advertisement in this issue of the Farmers Mail and Breeze and write him. Advertisement.

F. M. Hommon, Smith Center, Kan., is offering for sale 20 August and September gilts that are bred for October farrow. They are all immunized and a fine lot of young sows and will be priced right. Write today if you need some young sows, by a big, massive sire and bred to the top boar of last fall sales in Norton county. Look up his advertisement in this issue of the Farmers Mail and Breeze.—Advertisement.

R. H. McCune, Longford, Kan., is a breeder of big Spotted Poland Chinas who is building up a big mail order business for his pigs. He does not make public sales but sells at private sale all the pigs he raises that are suitable for breeding purposes. The rest go in the fattening pen. This spring he has 70 pigs of March and April farrow. They will be offered for sale a little later. Every pig will be furnished with a pedigree and the prices will not be high. His advertisement will start again soon in the Farmers Mail and Breeze.—Advertisement.

C. T. Drumm & Son, Longford, Kan., (Clay county) breed Hereford cattle and Spotted Poland Chinas and also a few choice Hampshire hogs. But the Spotted Poland Chinas are about the whole thing on the Drumm farm. At present they have four good fall boars they will sell worth the money, as they

FARM LOANS

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

MONEY TO LOAN ON FARMS

in Kansas and Missouri at current rates. FARMERS LOAN & TRUST COMPANY, 10th and Baltimore Ave., Kansas City, Mo.

HAMPSHIRE HOGS.

REGISTERED HAMPSHIRE 150 gilts and boars, all ages. Cholera immunized. Satisfaction guaranteed. C. E. LOWRY, Oxford, Kan.

HAMPSHIRE: A few choice fall boars sex, not related. F. B. Wempe, Frankfort, Kansas

Shaw's Hampshires

150 registered Hampshires, nicely belted, all immunized, double treatment. Special prices on spring pigs. Satisfaction guaranteed. WALTER SHAW, R. 6, Wichita, Kan.

SHEPHERD PONIES At low prices to reduce herd. Big descriptive catalog 10c. Jno. Dunlap, Williamsport, O.

LIVESTOCK AUCTIONEERS.

WILL MYERS, BELOIT, KAN. LIVESTOCK AUCTIONEER. Reference, breeders of North Central Kan. Address as above

FLOYD YOCUM LIVESTOCK and REAL ESTATE AUCTIONEER. ST. JOHN, KAS.

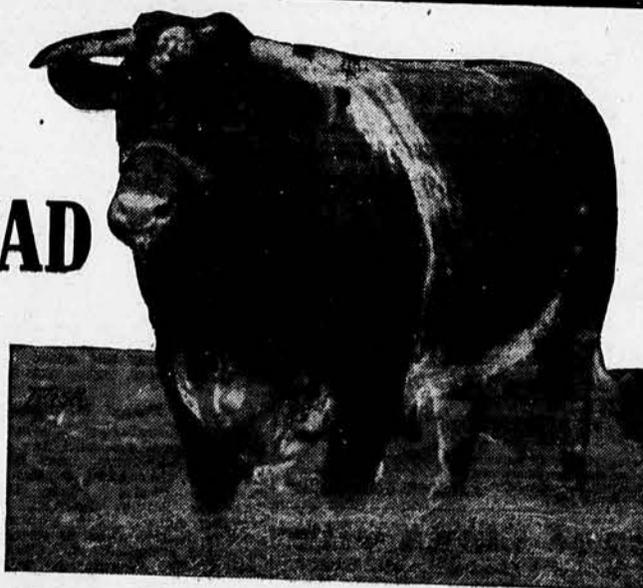
Col. E. Walters Skedee Oklahoma W.B. Carpenter 818 Walnut St. Kansas City, Mo.

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

Missouri Auction School

55 HEAD 55

Royal Cumberland 5th



Closing Out Shorthorn Sale

Mt. Vernon Farm

Milan, Mo., Thursday, June 15

50 head are sired by a Grand Champion or by a son of a Grand Champion. The last three sires used in this herd were sired by Grand Champions. 22 yearling heifers, 14 two-year-old heifers, 10 cows with calves at foot or close to calving bred to Royal Cumberland 5th, 9 bulls sired by Royal Cumberland 5th.

Bear in Mind—This sale of Shorthorns is from a business herd and not pampered for show purposes but with showyard blood lines and conformation. You buy the best without paying fancy prices. The most descendants from the famous Princess Alice, Augusta, Marsh Violet, Jealousy, Bessie, and several other noted families that are milk producers as well as beef producers. Write for catalogue now and arrange to attend this sale where none are reserved. (Oct. 24 is the date claimed for the final dispersion of this good herd.)

Auctioneers—Cols. Reppert, Gross, Baldrige and Dunlap. Fieldman, C. H. Hay.

Mt. Vernon Farm, Milan, Missouri S. S. Spangler, Proprietor

LIVESTOCK AUCTIONEERS.

Rule Bros., H. T. & R. D., Ottawa, Kan. Livestock sales a specialty. Write for dates.

Jas. T. McCulloch, Clay Center, Kan. References: The breeder: I am selling for every year. Write for open dates.

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

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

CHESTER WHITE HOGS.

IMMUNE O. I. C's. Pigs in pairs, not akins, also bred gilts. H. W. HAYNES, GRANTVILLE, KANSAS

Kansas Herd of Chester White Or O. I. C. Swine Pairs and trios not related. Shipped in light crates and satisfaction guaranteed. Pedigrees with each pig. Priced for quick sales. Arthur Mosse, Route 5, Leavenworth, Kan.

54 extra heavy, 3, 4 and 5-yr.-old registered Percheron stallions ready for heavy stand; 38 growthy 2-year-olds ready for some service and develop on. 19 Belgian stallions. It is a good idea to come right to the farm where they are grown and buy at first cost. Just above Kansas City, 47 trains daily. Fred Chandler Percheron Ranch, R. 7, Chariton, Iowa



Register Your Good Mares

The Wagon Horse Association is now registering, for foundation stock, choice 1100 and 1400 lb. mares under 16 hands (no ancestry requirements). Offspring of animal thus registered when mated with Registered Percherons under 1800 lbs. will be the new horse. Fill out the coupon and return to

WAGON HORSE ASSOCIATION W. B. Carpenter, Pres. 818 WALNUT ST., KANSAS CITY, MO.

CHESTER WHITE HOGS.

IMMUNED O. I. C'S. Booking orders for March and April pigs; pairs and trios not akin. A. G. COOK, LURAY, KANSAS

O. I. C. FALL BOARS for sale. Also booking orders for spring pigs, both sexes. Everything immune. Registered free. F. C. GOOKIN, RUSSELL, KANSAS

Silver Leaf Herd O. I. Cs. A fine two-year-old sow, sired by International Boy, bred for last of August farrow. Price \$80. January, February and March pigs, both sex, not related. Bred right and prices right. Satisfaction guaranteed. C. A. CAREY, R. R. 1, MOUND VALLEY, KANSAS

Fehner's Herd of O. I. C. Swine Anything shipped anywhere on approval. Write today for prices. Herd immune. Member of either O. I. C. or C. W. Ass'n. HENRY F. FEHNER, Higginsville, Mo.

Smooth Heavy Boned O. I. C's 100 choice spring pigs, priced right. Descendants from blue ribbon winners, champions and grand champions. All ages for sale at all times. Write for circular, photographs and prices. F. J. Greiner, Billings, Mo.

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Dear Sirs: I wish to register my mare, name..... in your association, weight.....lbs., age....., height....., color and markings..... As to quality of animal I refer you to..... Upon receipt of notice that animal has been accepted for registry I agree to remit \$2.00 for same. Name..... Address.....

BERKSHIRE HOGS.

Berkshire Pigs \$12.50 and \$15 each. Pairs and trios not related. Pedigree with each pig. R. J. LINSOTT, Holton, Kan.

HAZLEWOOD'S BERKSHIRES Bred gilts all sold. Booking orders for spring pigs. Prices reasonable. W. O. HAZLEWOOD, WICHITA, KANSAS

Meadow Brook Berkshires 500 to 1000 Head

always on hand. Our sows are the best we can get of all the leading families. We keep 6 to 8 of the best herd boars we can produce or buy. All immune and nothing except good breeding animals shipped. Write your wants today. E. D. King, Burlington, Kansas

POLAND CHINA HOGS.

Enos Immuned Polands

Three choice late spring boars now ready for service. Also 30 choice late summer boars and gilts. They are all sired by Orphan Chief and Mastodon King. A. R. Enos, Ramona, Kan. You will like them. Write today.

Poland China Gilts

bred to your order. Also two good fall boars for sale. Write today. Andrew Kosar, Delphos, Kan.

FAIRVIEW POLAND CHINAS

For Sale: Gilts and tried sows, bred for early fall litters. Also a few serviceable boars and a fine lot of early spring pigs. Write us P. L. Ware & Son, Paola, Kan.

Spotted POLAND CHINAS

Four choice gilts, well spotted. They are beauties. Bred to Spotted Jumbo for September farrow. Also 10 weeks old pigs. Papers with every pig. Carl F. Smith, Cleburne, Kan.

Original Big Spotted Polands !!

Private Sale—21 pigs for sale at 10 weeks old. Papers with every pig. Farmers prices. Shipped in light crates. Out of mature sows and Alfred Carlson, Cleburne, Kansas

I Ship On Approval

30 choice Poland China pigs ready to ship—can furnish boars and gilts not related. A few serviceable boars and some fall gilts bred or open. The best of big type breeding. All at farmers prices. Ed. Sheehy, Hume, Missouri

Oct. Boars and Bred Gilts

All Immune

10 Oct. boars, priced less than half their value to move them quick. Big, stretchy fellows. 20 October gilts, bred and open. You can't beat them as brood sow prospects. J. J. Hartman, Elmo, Kan. (Dickinson County)

BRED GILTS—PRIVATE SALE

20 extra choice Aug. and Sept. Poland China Gilts, sired by Kansas Chief, and out of my choice herd sows. Immuned last fall. Pedigree with each gilt. Have just started breeding them. 60 pigs, both sexes, for sale. Farmer's prices. F. M. HAMMON, SMITH CENTER, KAN.

Big Spotted Polands

100 pigs at private sale at 10 weeks old. Both sexes. Pairs and trios not related. I sell these pigs at farmers prices and guarantee satisfaction. Pedigree with every pig. Write to day. R. J. BAZANT, Narika, Kan., Republic Co.

Big Type Polands!

Herd headed by the 1020 pound Big Hadley Jr., grand champion at Hutchinson, 1915. Fall boars by Big Hadley Jr. and Young Orphan, by Orphan Big Gun that was 1st in Oklahoma Futurity, 1915. We are booking orders for spring pigs out of our best herd and show sows. A. J. EHRHART & SONS, Ness City, Kan.

Faulkner's Famous Spotted Polands

Big Bones, Big Hams, Big Spots The original kind, oldest and largest herd on earth. Ask for midsummer (Aug. 9) sale catalog. Recorded in recognized records. H. L. Faulkner, Jamesport, Mo.

DUROC-JERSEY HOGS.

IMMUNE DUROCS: Choice fall boars. Best of blood lines, one and two years old. Every animal guaranteed. E. L. Hirschler, Halstead, Kan.

SPRING PIGS FOR SALE

Immuned and ready to ship. I have a big crop of pigs and will price pigs early at very reasonable prices. Address F. J. MOSER, GOFFS, KANSAS

Woodell's Durocs

Cowley Wonder by Old Beauty's Model Top, Crimson King by Crimson Wonder IV; Graduate Col. 2nd by Old Graduate Col. heads this herd. Three as well bred boars as head any herd of Durocs. G. B. Woodell, Winfield, Kan.

TRUMBO'S DUROCS

Herd Boars: Golden Model 36th 146175, Crimson McWander 160983, Constructor 187651. Write your wants. WESLEY W. TRUMBO, PEABODY, KAN.

want to move them and give the spring pigs a good chance. Mr. Drumm and his son have a nice little herd of Herefords and will have a few good yearling males for sale this fall and winter. Their advertisement will appear again in the Farmers Mail and Breeze soon.—Advertisement.

Hill Offers Bred Gilts.

Alex C. Hill, Hope, Kan., is a well known Dickinson county Duroc-Jersey breeder. He is located 2 miles north of Hope and has a nice lot of spring pigs sired by his herd boar, Chief's Climax, by Taylor's Model Chief. Chief's Climax is a big, massive fellow and a good sire as indicated by this season's crop of pigs and some choice last fall gilts that he is reserving for the fall trade. They will be brought along carefully and this fall they will be offered for sale open or bred for winter litters. Mr. Hill does not approve of breeding too young. He has four June gilts that are bred to farrow the fore part of June. He will sell these gilts and they are good. If you want one or all of them write quick.—Advertisement.

Polled Hereford Bulls.

R. H. Longhofer, Herington, Kan., breeds Polled Herefords and has about 30 breeding cows on his farm, near Herington. At the head of this herd is the 4-year-old Plato 8th, by Plato. Plato 8th was bred by Wallace Libby, Larned, Kan. This bull weighs about 2,000 pounds in good flesh and is a sire that is giving Mr. Longhofer splendid satisfaction. Commencing September 1 Mr. Longhofer will offer 10 bulls ranging in ages from 6 to 10 months old. These bulls are all eligible to registry in both books. Mr. Longhofer also breeds horned Herefords but there is no crossing but all is straight breeding. He is developing for his own use a young horned bull that promises great things. If you are interested in Polled Herefords or horned Herefords write Mr. Longhofer or visit him at his farm. Everyone in Herington can direct you to the "Polled Hereford Farm." Watch for the advertisement which will appear soon.—Advertisement.

Lee Brothers' Holsteins.

Lee Brothers & Cook of Harveyville, Kan., are changing their Holstein advertising in this issue of Farmers Mail and Breeze. They are offering 200 head on which they will make special prices as they are short on pasture and are anxious to reduce the herd. They have cows giving as high as 65 pounds of milk a day. The offering includes both high grade and registered stock. They are making special prices on calves at this time. They will deliver to any express office in Kansas, express prepaid, high grade calves, either sex, for \$22.50. Lee Brothers are best known to readers of Farmers Mail and Breeze as Percheron breeders. For a number of years they have been breeding and selling a high class lot of Percherons and their honesty of purpose and their business methods have never been questioned. Readers of this paper will get just as square treatment from this firm in connection with the Holstein cattle as they have in their dealings on the Percherons. If you want high class cattle at reasonable prices write, phone or wire Lee Brothers & Cook, Harveyville, Kan., and mention Farmers Mail and Breeze.—Advertisement.

Boars and Bred Gilts.

J. J. Hartman, Elmo, Kan., (Dickinson county) breeds Poland Chinas of the very best. Mr. Hartman has been a good buyer from the best herds in Nebraska and knows the hog business from one end to the other. His herd is one of the really strong herds in Central Kansas. At present he is offering for sale 10 young boars farrowed last October that are real herd header material. They are not fat but are big, stretchy fellows that have been handled right and several of them are worth two and three times what John Hartman is going to ask for them. They are the big kind and it will be mighty hard to find another herd in the West that combines more size and quality with it than the John Hartman herd at Elmo. The breeding is Big Hadley and Blue Valley's Quality and some Big Orange breeding. Blue Valley Jr. that is likely the leading boar in the herd is a half brother to Thomas F. Walker & Sons' great Blue Valley. Valley Orange is another boar in use and he is by Blue Valley Orange, one of Walker's great boars. In addition to the boars, he is offering 20 October gilts that are certainly fine. Some of them are already bred and others will be bred right away. Every animal was immuned last fall. If you need a good boar cheap or a few extra good October gilts bred to a good boar write Mr. Hartman.—Advertisement.

Dickinson County Organizes.

Dickinson county very likely has more purebred stock breeders within its borders than any other county in the state. There are probably 50 breeders in the county and while they are not all breeders on a big scale they are prominent farmers and stock raisers and men that are helping to put Dickinson county on the map as a purebred stock center. The business men of Abilene have always done what they could to encourage better stock raising and better farming and are very proud of the fine herds in the county. Other counties are organizing breeders' associations and recently a movement was started looking to such an organization in Dickinson county. The Abilene commercial club appointed five of her best boosters as a committee to arrange a big breeders' and farmers' banquet which will be held in Abilene the evening of Saturday, June 17. The afternoon will be devoted to a discussion of matters that are of general interest to breeders and a prominent speaker will address the meeting. In the evening the banquet will be served and all breeders and farmers who are interested in better farm animals are invited. There will be plenty of music and a big time is anticipated. If you live in Dickinson county you are expected to help, by getting everyone who is interested out to both the afternoon meeting and banquet in the evening. The five boosters back of this meeting are the kind of men who never fail when they start out to do something of this kind and this is sure to be a big success.—Advertisement.

S. E. Kan. and Missouri

BY C. H. HAY.

H. L. Faulkner of Spotted Poland fame is now announcing his August 9 sale. He has just finished breeding one of the greatest lots of sows he has ever produced.

DUROC-JERSEY HOGS.

DUROC-JERSEY BOARS AND GILTS Gilts bred to order of the champion Critic B. 300 pound fall boars, priced right. E. T. & W. J. GARRETT, Steele City, Neb.

Durocs of Size and Quality

Fall herd boars and gilts of large smooth, easy feeding type. From the champions Defender, Superba, Golden Model, and Gano Breeding. Prices reasonable. JOHN A. REED, LYONS, KAN.

Big Type Herd Boars

20 big, husky yearling and fall boars, by G. M.'s Crimson Wonder and Good Enuff Chief Col. A choice yearling by Illustrater II and a Golden Model dam at \$50. Herd header prospects. Order G. M. SHEPHERD, LYONS, KAN.

DUROCS—RED POLLS—PERCHERONS

20 immune boars, \$30 each. 2 bulls \$125 each. Young ton stallions—bed rock prices. 1 good registered jack GEO. W. SCHWAB, Clay Center, Nebraska

BONNIE VIEW STOCK FARM

Duroc-Jerseys Fall boars and gilts by A Critic out of sows by Grad Champion Tat-A-Walla. SEARLE & COTTE, BERRYTON, KANSAS

30 Duroc Boars 100 to 180 lbs. \$15 to \$25

4 herd prospects, \$30 to \$35. 50 gilts to farrow in August. A few tried sows bred for June farrow, \$25 to \$50. Write me. I price them worth the money. J. E. WELLS, FAUCETT, MISSOURI

Jones Sells on Approval

80 March pigs at weaning time. Don't fail to write me for breeding and prices. Sows to farrow in August for sale. W. W. Jones, Clay Center, Kansas

DUROCS \$20

DUROC-JERSEY HOGS.

FROM WORKMAN Buy the kid a registered pig Express prepaid to any Kansas point Boars and sows not related, \$12.50 Johnson Workman, Russell, Kan.

BANCROFT'S DUROCS

Everything properly immuned. No public sales. For private sale, gilts open or bred to order for September farrow. Spring pigs either sex. Pairs or trios not related. Weaned May 1st. D. O. BANCROFT, OSBORNE, KANSAS Shipping Point, Downs, Kansas

HEREFORD CATTLE.

Registered horned and double standard polled Hereford Bulls For Sale Also a few horned heifers. JOHN M. LEWIS, LARNED, KAN.

Two Registered Hereford Bulls

for sale. One 4 years old (wt. 1950) and one 2 years old. Also some good Percheron stud colts. Mora E. Gideon, Emmet, Kansas

The Polled Hereford Farm

Has a car of coming Three-year old Bulls, Polled and Horned Herefords, splendid condition. Good ones. Write HANDLEY & HOPPER Ness City, Kansas

Duroc boars \$20, sired by Belle The Boy, first prize winner at several state fairs. Duroc gilts bred to farrow this fall, \$25. Baby boars, \$10, sired by Model Top Again, winner at the Hutchinson and Topeka State fairs. Baby gilts, \$30. Any hog not satisfactory can be returned by paying express one way. R. W. BALDWIN, CONWAY, KAN.

Norton County Breeders Association

SAMUEL TEAFORD, President CARL BEHRENT, Secretary NORTON COUNTY FAIR, August 29, 30, 31, Sept. 1, 1916 H. A. JOHNSON, President FRED STROHWIG, Secretary

HEREFORDS—POLANDS Grover Mischler, a grandson of Beau Mischler heads herd. 85 spring pigs. A annual cattle and hog sale in February. C. F. Behrent, Oronoque, Kan.

POLAND CHINAS 12 top Sept. boars by Panama Giant, 5 out of a Big Orange dam. 100 Spring pigs. Annual boar and gilt sale Oct. 31 at Norton. J. F. FOLEY, Oronoque, Kansas.

Poland China Pigs March and April farrow and trios not related. Ship over R. I. or Mo. Pac. All immunized. Geo. W. Goodman, Lenora, Kan.

Poland Chinas 10 Sept. gilts by Luft's Orange. Will sell them open or bred them to your order. Boar and gilt sale Oct. 20. PETER LUFT, ALMENA, KANSAS.

SHORTHORNS 4 yearling bulls, by Pilot, by the 2700 pound Victorious King. Pioneer, a grandson of Avondale and Whitehall Sultan heads our herd. N. S. LEUSZLER & SON, Almena, Kansas.

Percherons—Shorthorns—Polands October gilts, bred or open, for sale. Barrington Bruce, by Lord Bruce heads my Shorthorn herd. C. E. Poland, Almena, Kan.

Percherons—Shorthorns—Polands 18 Sept. and Oct. gilts, by Jumbo Prospect, by Luft's Orange for sale open or bred to your order. C. E. Whitney, Almena, Kansas.

Shorthorns—Poland Chinas For sale, a 30 month old herd bull, Matchless Prince, got by His Highness. I am keeping his got. Write J. W. LIGGETT & SONS, Almena, Kan.

COL. W. M. PATTON, Livestock Auctioneer ALMENA, KANSAS Devoting my time to the business. Address as above.

COL. C. H. PAYTON Purebred stock sales and big farm sales solicited. Write or phone. Address as above. L. J. Goodman, D.V.M., Lenora, Kan. Hog vaccination a specialty.

Marshall Co. Pure Bred Stock Breeders

Nothing but first class animals offered for sale for breeding purposes. It is economy to visit herds located in one locality. For the best in purebred livestock write these breeders or visit their herds.

HEREFORD CATTLE.

Pleasant Valley Herefords. Two splendid bull calves and some good heifer calves coming 1 yr. old. GEO. E. MILLER, Blue Rapids, Kansas

Hereford Cattle All sold out of service-able bulls at present. Will have some for a spring shipment. B. E. & A. W. GIBSON, Blue Rapids, Kan.

Willow Brook Herefords Five yearling registered bulls for sale. B. M. WINTER, IRVING, KANSAS

WALLACE HEREFORDS Nothing for sale at present. A nice lot of young bulls coming on for next fall and winter trade. Thos. Wallace, Barnes, Kan.

Wm. Acker's Herefords! FOR SALE: 10 bulls, from 5 to 9 months old. Address WM. ACKER, Vermillion, Kansas

Clear Creek Herd of Herefords— Nothing for sale at present. A fine lot of bulls coming on for fall trade. J. A. SHAUGHNESSY, Axtell, Kansas.

HEREFORDS Big and rugged. Farm 2 miles out. W. B. Hunt & Son, Blue Rapids, Kan.

Home of Maple Lad 34th and Beau Perfection 29th. Young bulls for sale next fall and winter. Address J. F. SEDLACEK, Blue Rapids, Kansas

SHORTHORN CATTLE.

PURE SCOTCH BULL that is pure white, for sale. A few heifers tracing to Choice Goods. DR. P. C. McCALL, Irving, Kas.

SHORTHORNS—POLANDS Bargain in Herd bull. 10 picked fall boars. A. B. GARRISON, SUMMERFIELD, KAN.

AUCTIONEERS.

S. B. CLARK, SUMMERFIELD, KAN. AUCTIONEER. Write or phone 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

POLAND CHINA HOGS.

Albright's Polands For Sale, Jan. boars and gilts. 12 last fall gilts, 34 March and April boars and gilts. A. L. ALBRIGHT, WATERVILLE, KAN.

45 FALL PIGS both sexes, Aug. - Sept. farrow. By Sunflower King, by King of Kansas. N. E. COPELAND, Waterville, Kansas.

DUROC-JERSEY HOGS.

Red Polls, Duroc Jerseys, O. L. C. Hogs Yung stock for sale. Write for prices. J. M. LAYTON, IRVING, KAN.

ILLUSTRATOR We offer choice gilts bred to a splendid son of Illustrater. Also spring boars. Address A. B. Skadden & Son, Frankfort, Kansas

Spring Boars by five different sires. A royal lot of big stretchy fellows and only the tops offered. HOWELL BROS., HERKIMER, KAN.

FANCY POULTRY.

Plymouth Rocks Barred (Thompson strain) and white. Stock for sale. Eggs in season. Address JOHN BYRNE, Axtell, Kansas

S. C. White Leghorn Eggs \$1 for 15 or \$4 per 100, from a strain that was bred to lay and does it. W. J. HARRISON, Axtell, Kansas

DAIRY CATTLE.

MILLS' JERSEYS One six months and 2 ten months old bulls, from Agrosa's Lost Time 194813. Prices reasonable. C. H. MILLS, WATERVILLE, KAN.

TWO YEARLING JERSEY BULLS from heaviest milkers in herd. Fine big fellows. \$75 each. Golden Fern's Lad breeding. Joseph Krasny, Waterville, Kan.

Jerseys and Duroc Jerseys Nothing for sale at this time. B. N. Welch, Waterville, Kansas

HOLSTEINS Cows and heifers for sale. Registered and grade. Address LAOKLAND BROS., AXTELL, KANSAS

**ABERDEEN ANGUS CATTLE.**

**Aberdeen Angus Cattle**  
 Herdheaded by Louis of Viewpoint 4th. 150624, half brother to the Champion cow of America.  
 Johnson Workman, Russell, Kan.

**ANGUS BULLS**

From yearlings to 3-year-olds. Bred from best strains. Call or address **J. W. McREYNOLDS & SON, Montezuma, Kans., or Dodge City, Kans.**

**POLLED DURHAM CATTLE.**

**Double Standard Polled Durhams** Young bulls and females for sale. **C. M. HOWARD, Hammond, Kansas**

**POLLED DURHAM BULLS** Four purebred, coming yearlings, three roans, one red. Priced reasonable. **V. LAWS, Melvern, Kansas**

**75 POLLED DURHAMS**

(Hornless Shorthorns) Double registered. Roan Orange, 200, in herd. 15 bulls, reds and roans, low and blocky; halter broke. Will meet trains. Write **J. C. Sanbury & Sons, Pratt, Kansas**

**RED POLLED CATTLE.**

**Registered Red Polled Bulls** ready for service. P. A. MURTA, Cuba, Mo.

**FOSTER'S RED POLLED CATTLE** Write for prices on breeding cattle. **C. E. FOSTER, R. 2, Eldorado, Kansas.**

**Pleasant View Stock Farm**

Red Polled cattle. Choice young bulls and heifers. Prices reasonable. **MALLOREN & GARRILL, Ottawa, Kansas**

**SHORTHORN CATTLE.**

**Shorthorn Bulls For Sale!** Six heifers, two-year-olds. Reds and roans. **L. M. NOFFSINGER, OSBORNE, KANSAS**

**PURE BRED DAIRY SHORTHORNS** Double Marys (Flatcreek Strain) and Rose of Sharon families. A nice lot of young bulls for fall and winter trade. **R. M. ANDERSON, BELOIT, KANSAS**

**GUERNSEY CATTLE.**

**Two High Grade Guernsey Cows for sale;** also some heifer calves. One bull, serviceable age and two bull calves. **Dr. E.G.L. Harbour, Baldwin, Kans.**

**GUERNSEYS FOR SALE**

Several choice males for sale.

**Overland Guernsey Farm**  
**C. F. Holmes, Owner** Overland Park, Kansas  
 8 miles south of K. C. on the "Strang Line"

**GUERNSEY Pure Bred Bulls**

Breed up your Herd. High class young individuals from Wisconsin, with Advanced Register ancestry at bargain prices. A rare opportunity to secure some of the best blood in the Guernsey breed. Tested for tuberculosis and guaranteed as breeders. Send for List. **HELENDALE FARMS, 700 Cedar St., Milwaukee, Wis.**

**JERSEY CATTLE.**

**LINSCOTT JERSEYS**

Kansas First Register of Merit Herd. Established in 1878. A surplus of young bulls (nothing better) at bargain prices. **E. J. LINSCOTT, HOLTON, KANSAS**

**JERSEY HERD BULLS**

Choice young bulls for sale out of official record cows making 500 lbs. butter or better yearly. Sired by Imp. bull whose dam made 500 lbs. butter in one year with first calf. We also offer a few choice females. **FERNDALE FARM, R.F.D. 1, ST. JOSEPH, MO.**

**HOLSTEIN CATTLE.**

**BRAEBURN HOLSTEINS** A.R.O. bull calves. **H. B. Cowles, Topeka, Kan.**

**Selected HOLSTEIN AND GUERNSEY** heifer and bull calves, \$18.00 each, two for \$35.00. All express paid to your station. **Meadow Glen, Whitewater, Wis.**

**Holstein Heifers to Freshen Soon** One yearling bull, one eight months and one three. All registered. **BEN SCHNEIDER, Nortonville, Kan.**

**Reg. Holstein Bulls**

Two that are eight months old and one four months. Correspondence and inspection of herd invited. **David Coleman & Sons, Denison, Jackson Co., Kansas**

**Montgomery County Holstein Friesian Association** Young stock for sale. **T. M. EWING, Sec., Independence, Kan.**

**Raising Registered Holsteins** no trading, herd tested every year and recorded by the State. **Tredico Farm, R. 2, Kingman, Kan.**

About three weeks ago it was our pleasure to visit the Faulkner farms and to look over the herd and this lot of cows and we agree with Mr. Faulkner that this is the best lot he has ever offered. This offering will carry more bone, more stretch and more spots than any previous. There is not a sow in the offering under a year old. All are of sufficient age and size to farrow and raise a large litter. They are running over large pastures and are being fed and handled with a view of production. The five great boars to which these sows and gilts are bred are the zenith of Spotted Poland breeding. They too have the same, the bone, the quality and the spots. There will be a nice lot of young herd born in the sale. Get your cutting early, it will be sent free to all who mention this paper.—Advertisement.

**S. S. Spangler's Shorthorn Sale.**

A Shorthorn sale that will afford an exceptional opportunity to buy a bunch of outstanding cows and heifers will be held at Milan, Mo., June 15. Mr. Spangler has selected 55 head of useful and superbly bred cattle for this sale. It had been Mr. Spangler's plan to hold one big dispersion sale, but later he decided to make this draft sale (June 15) and later (October 26) hold the dispersion sale. The first offering will consist of 18 cows, several with calves by side and others close to calving, by Royal Cumberland 5th; 9 very toppy bulls, reds, roans and whites; 22 yearling heifers and 14 2-year-old heifers all sired by Royal Cumberland 5th, and about the most beautiful lot of roans you ever saw. The Spangler Shorthorns are a working herd and at the same time, showyard blood lines and conformation predominate, the following prominent families being represented: Princess Royals (direct descendants from the famous Princess Alice), Augustas, Marsh Violets, Kestons, Bessies and others. Mr. Spangler has three females of the Princess Alice blood and two of them will go in this sale. The catalogue of this good offering will be sent to all who write. Please don't forget to mention this paper. Special train service has been arranged. Don't overlook this great sale if you need Shorthorns.—Advertisement.

**Nebraska and Iowa**

BY JESSE R. JOHNSON.

We are glad to direct attention to Ferndale farm Jersey cattle advertisement that appears in this issue. This is the Mrs. S. B. Thomas herd that for twenty years has been supplying breeding stock to buyers all over the west. At St. Louis Worlds fair this herd won a lot of good prizes and has grown better every year since. Just now they offer some very choice young bulls sired by the great imported bull You'll Do Oxford, a son of Oxford You'll Be, the noted bull now heading Coopers Linden Grove farm. The young bulls offered are out of register of merit udders. This herd has now nineteen cows that have completed official tests or are now undergoing these tests. Some years ago the herd was sold down very low and just a few choice heifers retained. Most of these were daughters of the great bull, Golden Fern of St. Martin, one of the greatest sons of Golden Fern's Lad. Their dams came from Gold Link's Gold Boy, a line bred Golden Lad bull, of great merit that once headed the herd. That You'll Do Oxford is proving to be a sire of great merit is shown by the fact that his first three heifers with first calves at the average of two years and 3 months when test began made an average of 490 lbs butter and 8,000 lbs. milk official test, under ordinary dairy farm conditions. Other bulls and females for sale are by a son of the \$1,125 two year old heifer sold at Cooper's sale. He is a double grandson of the noted Oxford Majesty. This farm is located three miles west of St. Joseph, on Asylum road and visitors will be met by appointment. Mention this paper when writing.—Advertisement.

**Publisher's News Notes**

Much larger profits in baling hay can now be made as a result of the improvement made by the Fairbanks, Morse & Company Eclipse power press which substitutes cheap kerosene for fuel instead of high priced gasoline. The Fairbanks, Morse & Co. Eclipse line is equipped with type "Z" engine. This engine runs on kerosene. It is of the throttled governor type, with built in magneto. Great power, evenness, and economy of operation result from this engine. Kerosene costs less than half of what gasoline costs, and with a fuel saving of this sort the farmer who bales from 20 to 30 tons a day can save a great deal of money. Everyone who is interested in hay baling should write to the Fairbanks, Morse & Co. of Kansas City, Mo., for their new catalog describing this remarkable large-feed, all-steel, light-running, power press, equipped with a new type "Z" kerosene engine.—Advertisement.

**A Duroc Futurity Show**

A Duroc-Jersey futurity show will be held this year at the Kansas State Fair at Topeka. A silver trophy and \$400 in extra prizes will be distributed to the herds entered. J. R. Pfander of Peoria, Ill., the secretary of the Duroc-Jersey association, calls attention to the importance of keeping the fees on the herds paid up. These Kansas herds are entered:

D. H. Axtell, Sawyer; F. L. Crow, Hutchinson; J. H. Day, Canton; E. S. Davis, Meriden; Howell Brothers, Herkimer; W. W. Jones, Clay Center; Louis Koenig, Solomon; George M. Klumire, Holton; Kansas State Agricultural college, Manhattan; Oliver W. Little, Fowler; F. J. Moser, Goff; George A. Newlin, Hutchinson; O. S. Newberry, Hutchinson; Arthur A. Patterson, Ellsworth; Searle & Cottle, Berryton; T. D. Shepherd, Lyons; A. E. Sisco, Topeka (R. No. 2); Thompson Brothers, Manhattan (804 Moro St.); G. M. Shepherd, Lyons; W. W. Zink, Turon.

The time of a setting hen is valued at 2 cents a day. That's more than many a political agitator is worth.

**HOLSTEIN CATTLE.**

**HOLSTEIN CALVES**

High grade Holstein calves either sex 3 to 4 weeks old from good milking strain of grade Holstein cows \$20 each. We pay the express. **Burr Oak Farm, Whitewater, Wis.**

**A SON OF KING WALKER** heads our Herd. He has 20 lb. sisters on his dam's side as well as some that run as high as 35.35 on his sire's side. We are offering for sale, some high bred registered cows and heifers, bred to this bull; also several good bull calves, at attractive prices. **HIGGINBOTHAM BROTHERS, Rossville, Kan.**

**HOLSTEIN CATTLE.**

**Segrist & Stephenson, Holton, Kansas** Prize winning registered Holsteins. Bulls from three months to yearlings for sale. Address as above.

**CANARY BUTTER BOY KING**

Conceded the best Holstein Bull in Kansas. Two extra choice young bulls, sired by him and out of A. R. O. cows. Write for prices. **MOTT & SEABORN, NERINGTON, KANSAS**



**HOLSTEIN Cows and Heifers**

I have for sale a nice collection of HOLSTEIN cows and heifers, a few registered bulls to go with them. All good big ones, nicely marked, and out of the best milking strains. If you want cows or heifers I can supply you, and that at the right kind of prices. **J. C. ROBISON, TOWANDA, KANSAS**

J. H. LEE, V. Pres. of Harveyville State Bank E. W. LEE, at Farm Dr. T. W. COOK, Expert Judge of the Dairy Cow

**200 Head Thirty Day Sale 200 Head Holsteins**

To reduce our herd on account of shortage of pasture we will make some very attractive prices on both registered and high grade Cows, Heifers and Bulls. We have either kind from one day old up to matured stock. We have cows that are giving as high as 65 lbs. of milk. We have heifers giving 50 lbs. of milk. We have over 200 to pick from and our herd is considered the largest and best herd of Registered and High Grade HOLSTEINS IN KANSAS. Remember, to any express office in Kansas \$22.50. Send draft for what you want. Don't wait to write. Bring your dairy expert along, it always pleases us, it makes it easier to sell. Let us hear from you by phone, wire or letter.

**LEE BROS. & COOK, HARVEYVILLE, KAN.**



**TORREY'S HOLSTEINS**

Cows and heifers, young springing cows well marked and exceptionally fine; also springing and bred heifers and registered bulls. See this herd before you buy. Wire, phone or write. **O. E. TORREY, Towanda, Kan.**

Clyde Girod, At the Farm.

F. W. Robison, Cashier Towanda State Bank.

**Holstein Friesian Farm, Towanda, Kan.**



Pure bred and high grade HOLSTEINS, all ages. Largest pure bred herd in the Southwest headed by Oak De Kol Bessie Ormsby 156789, a show bull with royal breeding. Pure bred bulls, serviceable age, from A. R. O. dams and sires. A grand lot of pure bred heifers, some with official records. Choice, extra high grade cows and heifers, well marked, heavy springers, in calf to pure bred bulls, constantly on hand. High grade heifer calves 6 to 12 weeks old, \$25. Bargains. Send draft for number wanted. All prices F. O. B. cars here. Inspect our herd before purchasing. Wire, write or phone us.

**GIROD & ROBISON, Towanda, Kansas**

**SHORTHORN BULLS**

9 registered Shorthorn bulls for sale. 5 roans, 4 reds. The herd bull is included. His weight is 2,000 pounds; ages from 10 to 22 months. Good **H. W. Estes, Sitka, Kan.**

**Lookabaugh's Shorthorns**

Herd Headed by Fair Acres Sultan



**SPECIAL NOW** Herd bulls including sons of Fair Acres Sultan, \$200 to \$500; some higher. Cows with calf at foot and rebred to Scotch bulls, \$400. 20 heifers, Scotch topped milking strain bred to Scotch bull, 2 for \$300. Two Scotch heifers from best producing families, 2 for \$600. Farmer's bulls, Scotch top milking strain, from \$125 to \$200. Write for prices on car lots.

assisted by Avondale's Choice, Watonga Searchlight and other great breeding sires mated to the best producing cows from the best families the herd books show.

THE FARMERS' COW.

**The Farmer Cow** is the Shorthorn cow; for generations she has furnished milk for her calf with plenty to spare to make butter for the family, with milk for the table and some for the pigs. Her calf is a rustler and eats the rough feeds of the farm and the sum total, in milk, butter and beef, the Shorthorn makes more money for the farmer than any other cow.

**The Scotch Cow** not only produces this milk and butter, but a calf of superior merit and especially so if the best producing families are used. Our success rests on the success of our customers. Special attention is given the beginner. You are always welcome at Pleasant Valley Stock Farm. Write or come.

**H. C. Lookabaugh, Watonga, Okla.**

# \$7.50

## Down After 30 Days Free Trial

Only \$7.50 if satisfied after trial—  
then a few monthly payments  
—and—

You Keep This Genuine Melotte  
Write for catalog—it explains everything

Yes, sir, that is our offer on the world's greatest cream separator, the imported Belgian Melotte—the separator with the wonderful, self-balancing bowl. We are taking the lead. Let others follow if they will. Our catalogue explains. We say to you, "the world's greatest Melotte will give you *more cream*, bigger profits and greater satisfaction—and—it is up to us to prove it. You have a right to insist upon the proof when *anybody* makes claims for his separator." Read our offer.

### Not a Cent in Advance

Just ask for a 30 day free trial. Then we ship the Melotte. No salesman, no agent calls; no one around to bother you or to influence you. You start using the machine according to every test you can think of. If you decide against it, all right—send it back *at our expense*. But—

If after thirty days you are convinced that the great Melotte is the cream separator for you, you can keep it on our rock bottom price offer—first payment is \$7.50 after the thirty day trial, and thereafter just the same monthly payments. Send the coupon now for free catalog and full details of this offer.



# Extra!

No Duty Now!

## Save \$15.25

The high tariff has been cut right off—the great Melotte comes in absolutely free of duty. Good for the American farmer! He gets the great Melotte Cream Separator at an extra reduction of \$15.25!

The high tariff and patent arrangements have kept the Melotte out of reach of the American farmer. Now this handicap is off. You can get the world's greatest separator now without this excessive duty charge—and on our rock-bottom, direct offer

### Wonderful Record

The Melotte has won more than 264 international prizes at Brussels, Vienna, London, Paris, Amsterdam, Milan, St. Louis, etc.

One Melotte has been running at Remincourt, Belgium, the equivalent of 64 years of actual work without appreciable wear.

Here is one great reason for Melotte superiority: The bowl is *self-balancing*—it hangs down from a single bearing and spins like a top. Can't get out of balance. The Melotte turns so easily that the bowl spins for 30 minutes after you stop cranking unless you apply brake. No other separator requires a brake to stop the spinning. *The Melotte is guaranteed for 15 years.*

### Repairs—

are hardly ever needed on the Melotte on account of its self-balancing bowl—no repairs compared with other separators.

**BUT—** We have on hand repair parts for ten years ahead. That is the first thing we attended to, a huge stock of repairs when we introduced the Melotte in this country, and it has been a gratifying surprise that we are using hardly any of that stock.

## Good News from Belgium!

WHEN the war started, our shipments ceased. The Melotte factories are just 4 miles from Liege, the first town attacked. But the Melotte factories weren't even scarred.

**Good news later.**—Mr. Melotte cabled: "Factory running full blast, turning out separators every day." He cabled us—through the censor's wires. Then we arranged for that shipment of Melotte Cream Separators right through the lines of the opposing armies! It looked at first like an impossible risk—But—

The separators came! Here they are—laid down in Chicago! Safely here!— And—arrangements have been made with all the governments for regular shipments hereafter on Melottes—all machines, all parts, everything coming and to come hereafter as if there were no war.

**Belgians need the money.** Mr. Melotte cabled us:

"Sell these separators at the rock-bottom, before-the-war price.

Seize this Opportunity while this offer lasts. Here are the separators—offered at the *rock-bottom* price. Get the best of all separators on this smashing offer—and remember: No Money Down, 30 Days' Free Trial before you decide. Send coupon for full particulars.

## Valuable Book Free

### "Profitable Dairying". Send Coupon

**The Melotte Separator**  
H. B. BABSON  
U. S. Manager

19th St. and California Ave.  
Dept. A458 Chicago, Ill., U.S.A.

Without any obligation on me send me, free and prepaid your booklet, "Profitable Dairying," and your special free-tariff prices on the imported Melotte Cream Separator. Also full details of your free-trial, monthly-payment, no-money-down offer.

The book is the work of B. H. Benkendorf, Wisconsin Dairy School-Agricultural College, Madison, Wis., and K. L. Hatch, Winnebago County Agricultural School, Winneconne, Wis. 88 pages. Contains no advertising whatever. A real, practical, commonsense treatise, telling everything about cows and dairying—how to feed and care for cattle—how to make more money out of your cows. Every farmer should have this book in his library. It is worth while getting now, even if you are not considering a cream separator at present.

We will send you this valuable book free upon receipt of the coupon. Also our new catalog describing fully the Melotte self-balancing bowl cream separator, and telling all about our rock bottom, 30 day free trial, easy payment offer. Send coupon while this offer lasts.

**The Melotte Separator**  
H. B. Babson, U. S. Manager  
19th St. and California Avenue  
Dept. A458  
Chicago, Ill.

Name.....

Address.....

## Try Them All!

All the Makes on the Market

### HERE'S a frank open suggestion:—

Have *every* manufacturer that is willing to give you a free trial, ship his separator to you.

If he is not willing to give you a 30 day free trial, ask him *why* he won't—get his *reason*.

Set them all up side by side, the Melotte and all the others, and then make the test. Keep a record of the results. See which skims the closest—which gives you the most cream. Figure out, on this basis, which will bring you the most profit. Notice which machine is easiest to operate—which is the least tiring. Then notice the construction Which will stand the most wear? Which is most substantial?

We leave all this to your judgment. Look them all over. Analyze the results you get. Decide. Then keep the one which has proved best.

We're only *too glad* to have such a test of all machines together; then when you've bought the Melotte you'll be all the more a "booster" for us.

We are willing to abide by your judgment without a word. Remember the terms of our offer—if you want to return the Melotte, you may do so at our expense.

Don't buy any separator until after you have tried it 30 Days Free on your own farm.

Send the coupon at once for our Melotte catalog and the valuable book on dairying—no obligation.