

copy

# THE FARMERS MAIL AND BREEZE

Manhattan House Comp

DECEMBER 31 1913

Vol. 43, No. 42.

December 27, 1913

Price Five Cents

Six  
Years  
Shalt  
Thou  
Sow

—By—  
W. A.  
Lippincott



Why  
a  
Big  
Sunday  
Dinner?

—By—  
Kansas  
Women

Muriel's Christmas Morning



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## Stand by the President

We have in Washington a president whose expert knowledge of the history of peoples and nations is surpassed by no other statesman. The world has no stronger champion of the Rights of Men. His patriotism is as unquestioned as Lincoln's; his far-seeing wisdom, as well, many think. His conception of the part the American nation should play in the affairs of this hemisphere, as recently given to the world, is in line with the finest and best of our traditions.

Cannot such a man who is in hourly touch with the situation in Mexico be better trusted to do what is wise and right, than the best intentioned citizen in Congress or in the ranks?

The people of Mexico at the present time are totally unfitted for self-government as we understand it. The present struggle is as much evolutionary as it is revolutionary. Mexico is learning its lesson. By survival of the fittest, out of this contest between petty revolutionists and robber hands, must soon arise the native leader who will rescue the country from disorder and darkness. It is simply history repeating itself.

It has been estimated that we would require an army of half a million young men to effectively police Mexico in case of forcible intervention.

Forcible intervention in Mexico would mean:

An army of half a million American youth at a cost of much more than 1 million dollars a day and many lives risked in a dangerous climate probably for years.

A continuous homeward procession of physical wrecks and new blood forwarded to replace them, draining the nation's vitality.

The spread of sorrow in homes now happy, the disturbance of peaceful industry and commerce, more pension burdens, a generation fretted.

Who are calling for such a sacrifice?

The owners of property in Mexico, many of them mere gamblers on a long chance. Big interests which find in war new opportunities for public plunder. The restless, the speculative, the turbulent.

Not one of the men who are clamoring for the invasion of Mexico would be in the ranks. Those men never fight, except by proxy. You would have to do the fighting—you and your sons.

Isn't this a time for all really patriotic Americans to stand behind their president, to trust to his undoubted wisdom and better information, to help him restore order to Mexico in the best and wisest way, and to prevent this nation from being stamped into a mistaken and costly war by a selfish and conscienceless war party seeking some advantage?

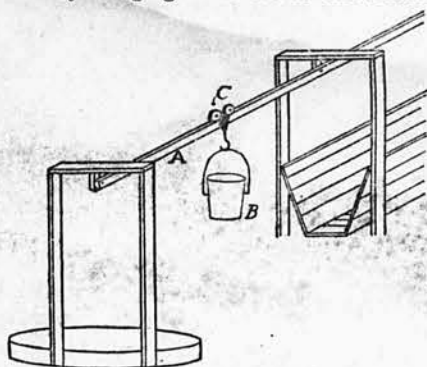
*Arthur Capper*

### Silage Carrier For Pit Silo

[Prize Suggestion]

Mr. Editor—One of your readers, C. W. M. Mahaska, Kan., seems to be troubled with the problem of getting his 120 tons of silage to the feed rack. I make use of a hay carrier and track, such as is used in hay barns, for this purpose. The rack extends up to within a few feet of the silo. The posts are set high enough so crosspieces may be placed on them and the track suspended to these crosspieces. The track should be about 5 feet above the rack.

The pulleys can be arranged as in hoisting hay and a horse used to raise the silage. In place of the hay fork suspend a cask that has had one end cut off. By hanging it at about the center



Mr. Streeter's silage hoister. A is the track, B the bucket, and C the carrier.

it can be easily dumped. A box with a bottom hinged and hinged is also convenient.

Use a six-tined fork to load the silage into the bucket and be careful not to dig the silage up. Take it off in flakes and disturb the surface as little as possible. With this carrier it is possible to distribute a half ton of silage in less than half an hour, having one man in the silo and another to dump the bucket in the rack. A 10-year-old boy is equal to either job. A wire rope can be used for a track if desired but I much prefer a wood or iron track.

If only a few cattle are to be fed it

is a good plan to rig up a windlass on the side of the silo, and a crane with a swinging arm. The bucket is lowered into the silo, and when filled it is raised with the windlass, then swung over and dumped onto a cart or wagon. This is also a good plan to put into operation where the silo and feed racks are some distance apart.

To farmers who are intending to dig silos at some future time I would urge putting in the carrier system before starting the work as this is the best means of getting out the dirt I have yet seen.

Iola, Kan. T. C. Streeter.

### Danger in Sod Wheat Pasture

Mr. Editor—I hope you will let it be known through your valuable paper that pasturing horses and mules on sod wheat is dangerous. In this vicinity several farmers have lost horses and mules. The dry grass roots in the sod are taken into the stomach with the wheat, forming hard knots almost impossible to tear apart. In some of the dead animals, examination revealed the fact that the stomach was punched full of holes. This is a fact not generally known here and I hope all farmers will heed this warning. This pasture does not seem to hurt cows.

Milo, Kan. A Reader.

### Need Feterita Seed?

Mr. Editor—I have about 35 bushels of feterita seed for sale at 4 cents a pound f. o. b. my station. It made 30 bushels an acre while the best black hulled white kafir planted at the same time and on the same land was not worth cutting.

Valida, Kan. W. B. Salisbury.

### Alfalfa Seed \$6

Mr. Editor—I have for quick sale alfalfa seed, just as it came from the machine, \$6 a bushel. Two bushels or more to one address, \$5 a bushel, f. o. b. cars Stockton, Kan.; sacks cost 25 cents extra.

Webster, Kan. H. L. Anderson.

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these announcements that are now appearing in this publication, from time to time, relating to

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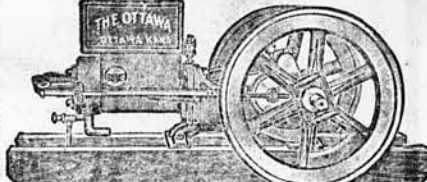
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# THE FARMERS MAIL AND BREEZE

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

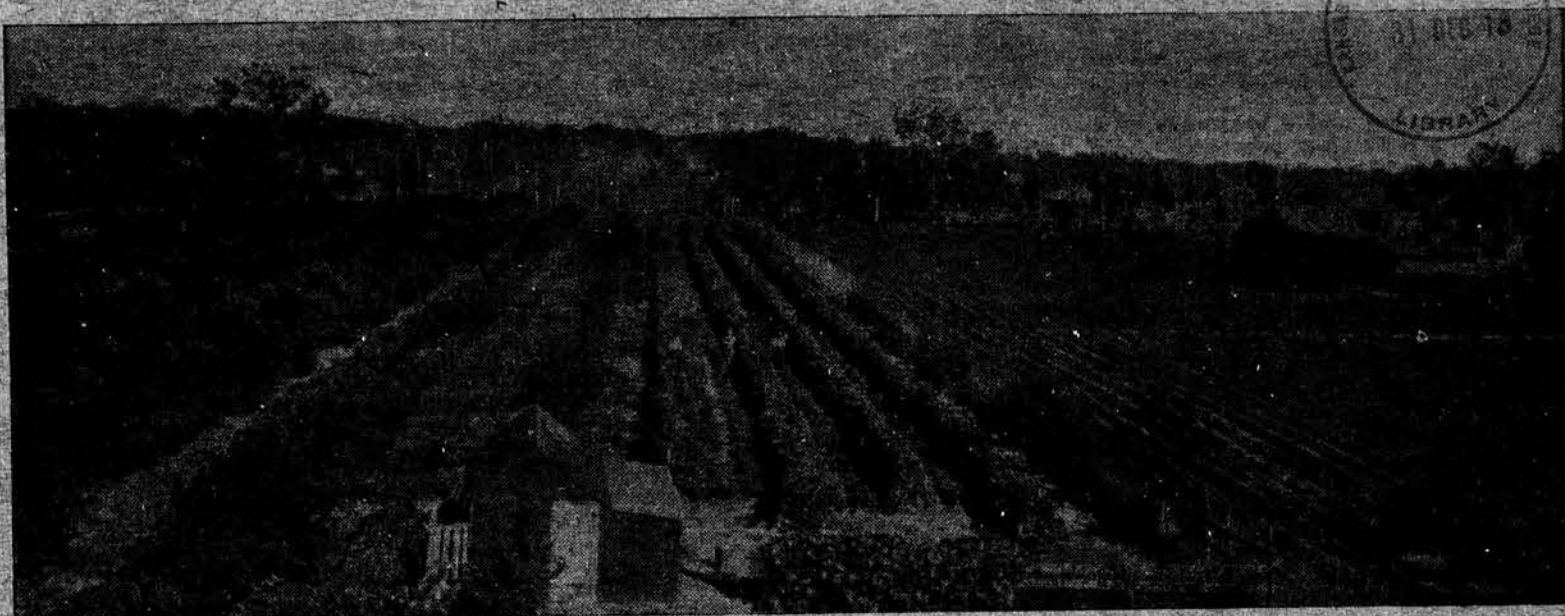


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This Western Kansas Farm Was Bleak Prairie Until the Underflow Was Found



## Pumps For the Western One-Third

But the Irrigation Congress at Goodland, December 10,  
Held Such Work Still a Pioneer Task—The  
Kansas Underflow a Cheerful Topic

By L. D. Griffie, Goodland

WHEN the State Irrigation Congress met at Goodland December 10, it recalled to the minds of many that a similar congress met at Goodland eighteen years ago and that a small, experimental plant was established in Sherman county at that time. But the prevailing spirit of those days was one of expansion. For several years there was an abundance of rain. Men did not care to experiment with small, irrigated fields while their neighbors were raising hundreds of acres of wheat, giving the ground nothing but a hasty, shallow plowing and drilling. As one speaker told the congress, "The reason you wouldn't irrigate was because irrigation could not be done on horseback."

There was a commendable tendency throughout the conference of December 10 to avoid generalities and get down to facts and figures. The delegates believed that the last two years have put pump irrigation for the western one-third of Kansas past the experimental stage. All admitted that there are still serious difficulties to be overcome and that the man who establishes a deep well pumping plant is still a pioneer in the field and must use extreme caution to avoid mistakes. Nearly every speaker expressed the conviction that pump irrigation is now an assured fact even in the deep well districts.

No feature of the congress interested the delegates more than the talks by farmers who have irrigation plants in operation. Men like H. C. Tagtmeyer told of their experiences with their plants, recounted some of the lessons they had learned by hard knocks and agreed that they had made a reasonable profit and that with their present experience they expected to make a larger profit in the future. Most of these men use low-grade distillate in their engines and do not find its cost prohibitive. Mr. Tagtmeyer told his experience with ten acres of melons and mixed garden produce on which his fuel bill amounted to \$20 an acre. The land was new and sandy, however, and as the past season was very dry the amount of water used was very large. Parts of this field yielded more than 1,000 melons to the acre, and as they were almost the only melons in the country he sold them in the surrounding towns for from 25 cents to 50

cents apiece. This made the return from the field nearly \$300 an acre.

Much interest was shown in the displays of pumping machinery. Every exhibitor was kept busy most of the time answering questions as to how much water his plant would raise a given number of feet in a minute; how much fuel this would take and how much it would cost to install the plant. Among the exhibits was a novelty, a pneumatic pump. A compressor driven by a gasoline engine forces air into alternate sides of a cylinder which is divided into two compartments and submerged at the bottom of the well. The air pressure forces the water up the outlet pipe. The advantages claimed are simplicity and ease of operation.

The idea was advanced and strongly defended that it is possible to install a plant for less than is paid for a water right in some parts of Colorado and that this plant, once installed, would make the owner independent alike of the ditch rider and the weather, and free him from the danger of endless lawsuits that often attend ditch irrigation.

On the whole the spirit of the convention was optimistic but it was a conservative dollars-and-cents optimism, a disposition to prove all things and hold fast that which is good.

The address of H. B. Walker, state drainage engineer, cleared up many doubtful points and was very closely listened to by the congress. "Investigations," Mr. Walker said, "indicate that practically the whole of western Kansas is underlaid with thick stratas of water-bearing gravel. Gradually during the last fifteen years an occasional farmer has sunk a well into these gravel beds and found water in sufficient quantities for irrigation. Encouraged by these possibilities of a water supply, irrigation has been discussed quite generally by the land owners of this great plains area. Naturally, since a great number of the inhabitants reside upon the high prairies, deep well irrigation has been a popular topic."

"While it is true that we may have the water supply," he said, "it must also be remembered that the most important and controlling factor in irrigation, where pumping is necessary, is the depth to

the water. Naturally when we suggest that development of irrigation should be confined largely to the shallow water area there is a feeling among the citizens of Kansas that irrigation cannot generally be practiced nor be of great benefit to the state as a whole. Let me remind you that the western third of Kansas contains more land than was irrigated in the United States in 1909. It hardly seems necessary for the state to irrigate so extensively as to become an irrigation state. Kansas has a large area of river valley land almost all of which is underlaid with high yielding water-bearing sands and gravel.

"Pawnee county, in south central Kansas, is declared to have 125,000 acres where water may be found at depths of 30 feet or less. Sherman county, which is considered one of the high counties of the state, probably has 75,000 to 100,000 acres where water may be found at 60 feet or less. The entire valley of the Arkansas river from the Colorado line to Oklahoma offers exceptionally good opportunities for irrigation development. In this valley water is obtained at from 7 to 30 feet. Similar conditions prevail in the valley of the Republican, Smoky Hill, Pawnee, Cimarron and other river valleys of the state. It is my judgment that the western half of Kansas contains 2 1/2 to 3 million acres where water may be encountered at 60 feet or less. Almost all of this land can be irrigated profitably by pumping from the underflow or by the storage of storm waters."

"The fact that water is becoming more valuable every year is the very reason that Kansas will find it profitable to develop more extensively these shallow water areas. At present, Kansas can furnish water by pumping at a cost that will compare favorably with the newer irrigation projects of the West."

"The recent reports of the United States Reclamation Service, show that water rights in Colorado cost as high as \$150 an acre. In Washington, the cost varies from \$46 to \$163 an acre. In Wyoming, and some other states where the altitude is quite high and the growing season necessarily short, water rights vary from \$25 to \$60 an acre. It is evident

(Continued on Page 19.)



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**CHARLES DILLON, Managing Editor.**  
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## PASSING COMMENT—By T. A. McNeal

### The New Year

Before another number of the Mail and Breeze reaches you the new year 1914 will be here. What it will bring no mortal knows, but the wise individual will hope for the best. I am inclined to think it will be a pretty good year.

It is too early to make even a reasonably good guess about the crops of 1914 but at least in Kansas the ground is in good condition and fall planted crops never looked better at this time of year.

The tariff law, whether it suits us or not has been passed and we ought to be thankful that we won't have to worry about what congress will do with the tariff. It has gone and done it and business will adjust itself to the new conditions.

My theory is that people in this bully country can adjust themselves to almost any kind of a tariff law and do pretty well. It is uncertainty that hurts business more than almost any sort of settled policy.

The currency bill has not been disposed of as this is written but it will be probably before you read this. It does not provide the kind of a money system this country ought to have in my opinion, but I believe that it will be an improvement over what we have had.

There are a lot of things that I think ought to be different and will be some time, but in a government like this changes for the better are sure to come by slow freight. One hundred million people can't be moved very fast. So on the whole I am inclined to look forward to the new year with a cheerful countenance.

It is bad for your health to take a pessimistic view of the future and furthermore, it doesn't do a bit of good. Did you ever know a chronic grouch to get anywhere? I never did.

The ideal citizen is the cheerful optimist who at the same time is not simply a cheerful chump who does not see anything that needs bettering. There never will be a time when something does not need bettering. There never will be a time perhaps, at least not in your day or mine, when a lot of things will not need bettering. But the best worker after all is the man who whistles and maybe sings as he works, provided of course that he really can whistle and sing. There are people who think they can whistle and sing when as a matter of fact they merely emit sounds that harrow up your nerves. Such people should not whistle or sing. They should be muzzled if they try.

So here's hoping that you may have a prosperous year and that you may keep both your bodies and minds busy with useful things.

Work with your might for what you believe to be right, keeping always in mind that your fellowman has as much right to his opinion as you have to yours. Act more than you talk, for in the long run it is what a man does rather than what he says that counts.

Many of you have had pretty hard sledding for the past two or three years and most of you have made a brave and cheerful battle against misfortune. It is a long lane that has no turn and it seems to me you must be getting somewhere near the bend. I hope you will reach the turning in 1914.

### What the Money Might Accomplish

At present this country is spending on the army and navy 235 million dollars per annum. Even admitting that a standing army and navy are necessary they can only be necessary because other so-called civilized nations are still so uncivilized that they insist on maintaining standing armies and navies, for it is perfectly evident that if the great nations would mutually agree to dismantle their navies and disband their armies no one of them could be in danger of armed aggression from the others any more than at present.

It is interesting to know what useful service for the general public might be performed with the money that is spent on standing armies and navies. The amount of money annually expended on our own standing army and navy is sufficient to build 47,000 miles of wagon road, each mile costing \$5,000. But we know that there are millions of miles of road in this country that would not require the expenditure of more than one tenth part of \$5,000 to make them the finest country roads in the world.

If these roads were properly drained and graded, the streams bridged with concrete bridges and after the roads were once properly constructed they were kept properly dragged, they would be superior dur-

ing at least 11 months in the year to any macadamized roads. Some roads it is true, would be very expensive. They would have to be rock roads and in many instances the cost of grading if properly done would be very expensive. Some roads would undoubtedly cost even more than \$5,000 a mile, but these would be the exceptions, not the rule.

It is estimated that there are in the United States 3 million miles of wagon roads. Taking into consideration the millions of miles of dirt roads that might be constructed in a way to make them during almost the entire year the best country roads in the world, it is safe to say that the average cost of all sorts of good roads, dirt roads, shell roads, rock roads and sand clay roads, would not average more than \$2,000 a mile.

If the money expended on our army and navy were devoted to the making of highways under intelligent competent supervision, in 25 years every mile of the 3 million miles of country roads in the United States would be a magnificent boulevard, on which it would not only be a delight to travel, but on which the same amount of horse power now used in hauling the products of the farms to the towns would haul at least three times as much and with less of a strain on the horses.

Good roads make for a better civilization. Standing armies and navies tend to breed jealousy, fear and hate. Good roads mean better and more productive farms and therefore add immensely to the material wealth and comfort of the people. Standing armies and navies at the best are a constant drain on the resources of the nation.

Good roads will do more than any other one thing to build up a pride in the country and therefore help to hold the young men and women there instead of their crowding into the unnatural and often unwholesome environments of the cities and towns.

The making of the roads would furnish useful, healthful and reasonably lucrative employment to many thousands. At an average wage of \$2 a day, the money spent on our army and navy would constantly employ 391,666 men. If three fourths of the money were spent on labor and one fourth on material it would still furnish employment for 300,000 men working 300 days in the year. Or it would be sufficient to employ 150,000 men and teams, allowing to each man and team a wage of \$4 a day.

It would keep a host of men usefully employed and contented while the army and navy breeds snobbery, idleness and discontent.

### The Changed Temper of the People

I am encouraged to believe that the temper of the people of the United States is changing for the better. In 1898 it seemed as if a large majority of the people were clamoring for war. McKinley, who knew from personal experience the horrors of war, was strongly inclined to peace. He did not want to involve this country in a war with Spain. Not that he had any doubt as to the outcome—that was a foregone conclusion.

He knew that Spain was a bankrupt and decrepit nation; that so far as resources and ability to put up a fight were concerned it was no nearer our match than a weakly 10-year-old boy would be a match for the champion heavyweight prize fighter of the world. But he did know that a war with even as weak a power as Spain meant a tremendous expenditure of money and a great amount of disease, suffering and death among the young men who would be enlisted to make the fight.

But public opinion was too powerful for him to withstand. I do not believe that any man as president would have been able to withstand the tremendous force of that public sentiment. It is reasonably evident now however, that the war with Spain was unnecessary.

Cuba could have been freed without a resort to war on our part and to say nothing of the loss of life, the disease and suffering caused by that war, short as it was, it has directly and indirectly cost this nation more than 2 billion dollars.

If the present situation in Mexico had prevailed in Mexico 15 years ago I have no doubt that public sentiment would have been overwhelmingly favorable to intervention. President Wilson is a strong, even obstinate man, but I doubt even his being able to stand against such a public sentiment as there would have been at that time.

Now however, it is entirely different. Public sentiment is not for war or intervention. A vast majority of the people of the United States are stand-

ing by the president in this matter. They are willing to wait and wait patiently, hoping that he will be able to get along without intervention.

Now the young men of this time are just as brave as the young men of 15 years ago. The people generally are just as ready to stand by their government even to the extent of war if that is necessary, as they were then, but the sentiment against war and bloodshed is growing stronger. The sentiment in favor of peace has I think, grown amazingly in the past 15 years.

It is possible that we may be forced finally to intervene in Mexico. The condition down there possibly will become so intolerable that in the interest of common humanity we must send an armed force down there and restore peace and establish order and just government. But the people are not in favor of that except as a last resort.

There is no craze for war as there was in 1898. The people are looking at the matter calmly. They realize that intervention would mean the loss of a good many young and valuable lives and the expenditure of a vast sum of money. They do not want to see Mexico with its ignorant, degraded and turbulent population annexed to this country. They realize that we have more of that sort of problems on our hands now than is good for us.

### Do They Mean It?

Day before yesterday was Christmas. All over the world people celebrated the birth of the Babe of Bethlehem. A million of evergreen trees were loaded with gifts and thousands of choirs sang the glad anthem, "Peace on earth, good will to men."

It has been more than 1900 years since the mysterious star pointed the way to the manger in which lay the infant Savior who was come to heal the nations and teach the doctrine of love instead of hate.

It seems as if the progress of his message has been slow. The anthem rings out sung by trained choristers and deep toned organs fill churches with their melody until the rafters quiver with the waves of sound. But after all, there seems to be but little of peace on earth and good will to men.

Men prate and preach about the principles of Christianity but human selfishness still rules the world. Nineteen hundred years after Christ was born the world witnessed two of the bloodiest wars that have stained the pages of history.

Talk about human brotherhood is largely lip service and church rites too often an empty mockery. Within sight of each other are the wretched hovel with almost unspeakable poverty and the marble palace with amazing splendor. Idle rich riot in extravagance while women and children are crowded into filthy tenements, dressed in rags, never free from the gnawing pangs of hunger and not even permitted to fill their lungs with God's pure air.

We talk a great deal about peace on earth and good will to men, but do we really mean it?

### Need of Cheap Capital

In another column is a letter from a Greenwood county man giving a pessimistic view of the condition of the farmers. Possibly the picture is painted in too somber colors but I feel certain that it is a fact that very many farmers are in sore need of cheap capital.

The past three years have not been generally favorable for western farmers. Some of them have made money; the banks still hold a large amount of farmers' deposits, but a great many farmers have been barely holding their own while a great many others have been actually depleting their capital instead of increasing it.

The three years have been especially hard on renters and farmers who are in debt. Interest rates have not decreased, on the contrary they have increased while the ability to pay on the part of the borrowers has decreased.

In order to raise the money necessary to live upon and to pay interest and taxes, many farmers have sacrificed their young stock and older stock, too, for that matter, so that even if the next year's crop is as good as we all hope for, the farmers will be unable to get the full benefit. They will have to sell the crops out of the field instead of feeding or storing them. We know from past experience what it means to throw a big crop on the market all at once.

Kansas farmers were never harder up than in the year when the crops generally and especially the corn crop was most abundant. And yet if they had only



been able to hold that crop for six months it would have brought them more money than any crop they ever raised either before or since that time.

In the fall of the year 1889 farmers were burning corn for fuel all over Kansas. If they sold the corn it only brought 10 cents a bushel. So it happened that with the most bountiful crop ever harvested in the history of the state, the people who produced it were the hardest up they had ever been. Yet six or eight months after the time when corn was going begging at 10 cents a bushel good corn sold for from 50 to 60 cents a bushel.

Solomon declared long ago that the destruction of the poor was their poverty. What I suppose he meant was that the poverty stricken man always gets the worst of the bargain. If he is a laborer he must sell his labor in such market as he can find and at such a rate of wage as the other fellow sees fit to pay, because the laborer must live and he must have the means to supply his necessities right now. If he is a farmer with no reserve capital he must sell what he raises on the poorest market because he must have the money, so that it frequently happens that he actually receives less for a large crop than for a small one. His necessities make him the victim of the speculator.

The average of prices for standard crops does not vary greatly, taking the whole of one year as compared with another, but the prices do vary tremendously at different periods during the year. If the farmer was not forced by necessity to market his crop at the wrong time he could always receive more for a big crop than for a small one.

It is useless to look to the banks to furnish farmers with cheap money. The banks are not run as charitable institutions. They are run for profit and when the borrower's necessities are most urgent he must pay the highest rates of interest.

It is a proper function of government to relieve this situation. The government should extend its credit to farmers direct. It should not be a money-making scheme on the part of the government but the furnishing of the necessary capital at cost. This extending of credit in time of need by the government should not stop with the farmer, but it should commence with him.

At the risk of growing tiresome, I shall keep talking on this line.

### "Coin Harvey" for Congress

A great many people remember the book written by W. H. Harvey and distributed during the presidential campaign of 1896, under the title, "Coin's Financial School." The book was a defense of the theory of free coinage of silver at the ratio of 16 to 1 and without a doubt had a tremendous influence in that campaign.

From this book Harvey got the title of "Coin Harvey" which still sticks to him. After the '96 campaign Mr. Harvey sort of retired from public affairs. It was known that he was living somewhere down in Arkansas but the public interest in his book had largely subsided and with it the interest in Harvey himself. Now however, Mr. Harvey wants to go to congress and has announced that he will be a candidate for the nomination at the Democratic primary in the Third congressional district of Arkansas next March.

I am in receipt of Harvey's announcement and platform but strangely enough I do not find in it anything touching on his old time favorite topic. He has three objects he wants to accomplish according to his platform; one is to aid in building up a higher citizenship; the second is good roads and the third is the referendum.

His district takes in the counties in northwest Arkansas and I must say that from what I saw down there there is considerable room for improvement. If there is a good road in that country that has been made good by the work and wit of man I did not happen to find it. As a rule the roads are the worst I ever saw.

A majority of the people in the country live in log cabins in the part of the district I visited and I observed that shoe merchants had not got a great deal of their money. The only school houses I observed in the country districts were made of logs and fitted up in the style common, as I have been told by my ancestors, in the wilderness of Ohio 75 years ago.

However, I like "Coin" Harvey's program. I do not know whether he can get what he wants or not; presumably not, but it is well to have as many members of congress as possible standing for those things.

### Politics At the A. C.

Mr. Lewis, who has been custodian of the buildings and grounds at the Agricultural college for about a quarter of a century has been summarily dismissed. I am told that no charge of incompetency or neglect of duty was made against him. He is said to be a great favorite with the student body. Apparently there was no good reason why he should have been discharged. There is an impression that seems to be well founded, that politics cut a figure in the matter.

It is to be most deeply regretted that our educational institutions should be dragged into politics for that is as certain to injure them and reduce their efficiency as anything can be. Now I do not want to do the board that has charge of our state institutions any injustice, but I must say that there is a grow-

ing impression that politics is cutting more and more of a figure in the conduct of our educational institutions. The people of Kansas will resent that unless I am badly mistaken in their temper.

### Says I'm Mistaken About Alsace

Charles Krumrey, a very intelligent and educated German, of Offerle, writes me that I am mistaken in saying that the Alsations are mostly French. On the contrary he says that they are mostly Germans and speak for the most part the German language. He also says that those Alsations who oppose the German government are opposed on religious and not on political grounds. Germany is a Protestant country and a large majority of the Alsations are Catholics, hence the dislike of the German government.

Mr. Krumrey was born in Germany, educated in German schools and I assume, is well versed in German history. I take it therefore that he is correct about the character of the population of Alsace, although I had understood it differently.

### An Ex-Slaveholder's Opinion

Editor The Mail and Breeze—You, like many other people, have much to say about the treatment of the negro in the South. Do you not wonder they do not all go north to their loving friends? The fact is that the negro is much better treated in the South than in the North. And most all this talk we have heard on the subject is the rankest hypocrisy and I do not mean anything offensive when I say that.

As to lynchings, there are only two states in the Union, it is said, where negroes have not been lynched. Their condition even in slavery was better than that of many white men today in Kansas. For instance, did you ever hear of a negro committing suicide to escape his condition? Two white men in this county have done that within the last few weeks.

I wonder negroes do not go to the tropics of Africa and South America where the white men will never be able to compete with them on account of the climate.

I have nothing but the kindest feeling for the negro. The negroes belonging to our people stayed with us after the war was over until they died. When my father fell from his horse it was into loving black arms, which carried him into the house and laid him down to die upon a bed.

The negro was in a better condition as a slave in America than he was as a slave in Africa, where the New England sailors found him.

Ponca City, Okla. M. A. DUNLAP.  
P. S. I married into the McNeal family and know any little things other people say will not influence your opinion.

Probably the wisest thing Mr. Dunlap ever did was to marry into the McNeal family and if his general logic is no better than that of this letter I am not surprised that he has not been able to have any considerable influence on the opinions of the member of the McNeal family he chose for his life companion. She, however, should have taught him to think more clearly and consistently by this time than he does, but it may be that she discovered it was a hopeless task and gave it up.

It is, of course, no answer to the indictment against the South for the unfair treatment of the negro, to say that he is treated as well there as he is treated by many people of the North. Neither is it any justification for the infamous injustice and cruelty of slavery to say that the lot of the slave in America was better than the lot of the slave in Africa, even admitting that to be true.

The best answer perhaps to Mr. Dunlap's statement that the condition of the black man in slavery was better than of many white men who were free is that there is no instance on record of a free white man who was willing to exchange places with a slave. The very illustration he gives of the kindness and affection and loyalty of the negroes who were formerly the slaves of his family, instead of being an argument in favor of the present treatment of the negro either south or north, is a very strong argument against it. It shows that the negro is capable of gratitude and willing to respond to fair treatment. If this was true in the case of his old family slaves does he not think it would have been true of the negroes of the South generally? If they had been treated justly and kindly would they not have responded to that treatment and been made better and more reliable citizens?

Of course there are people in the North who are filled with as virulent and unreasonable prejudice as any of the people of the South. Indeed they seem to go out of their way to show that they hate the "nigger" as they have learned to call him, as badly as any of the proud sons of the South. Even as the proselytes of the Scribes and Pharisees spoken of in the Scripture, who were "twofold more the children of hell" than the Scribes and Pharisees themselves, so the northern imitators of southern manners try to create the impression that they are the real article by showing more vindictive prejudice than the real southern men.

But here again is where Mr. Dunlap shows his in-

*I am in favor of legislation which will compel the people to vote. We believe in the majority, but do not have it. President Wilson is the choice of less than one-fourth of the voters of the nation. Closer attention to civic duties and privileges is one of the great needs of the times.*

—ARTHUR CAPPER.

consistency. He would carry the inference that these northern people who are so unfair to the negro pretend to be his friends. They do not. On the other hand they outdo even the southern people in defending and excusing the southern method of dealing with the negro race.

Again, after proving to his own satisfaction that the negroes of the South are treated in a most humane and really ideal manner so that they are much better situated than the average white man, Mr. Dunlap says he wonders why the negroes do not go to Africa or South America. Of course if they have a perfectly fair deal here there is no object in their going to either Africa or South America, and his suggestion that they should go is a tacit admission that they do not have a fair deal here.

But where would they go? Where is there a land of opportunity waiting for them? And shall the people of free America acknowledge that there is any land in which men of any color will be treated more justly and given better opportunities than in this the land of their birth? If so, then we are hypocrites in pretending that this is a land of justice and opportunity.

### Truthful James

"I have here," said Truthful, "a letter from a gentleman at Altus, Okla., by the name of Lloyd, who relates some personal experiences of his while he was employed in a powder mill."

"He says that one day he was shoveling loose powder into kegs and carelessly lit a cigar, in an absent minded way throwing the lighted match into the pile of powder. It was on fire at once, but with rare presence of mind he tramped out the fire and saved the mill, although before the flame was extinguished something over half a bushel of powder had been burned."

"I regret of course to seem to cast any shadow of doubt on the gentleman's veracity, but candor compels me to say to him that this story will not be believed by a great many of the readers of this moral and agricultural guide. Unless he can produce at least half a pint of the ashes of the powder that was burned before he succeeded in tramping out the fire there are those who will go down to their graves believing that he is a wilful prevaricator."

"In these days of investigation and research a man cannot be too careful to have the proofs ready to substantiate any statement that is liable to be looked upon by the general public as improbable."

"Speaking of blizzards," said Truthful, "I lived for a couple of years in North Dakota where I experienced some of the worst that ever visited that country. One fall the weather continued fine up to the middle of December. The weather was balmy, like spring. The birds were singing in the trees that grew down by the creek. The grasshoppers were still hopping gaily about and the snakes had not prepared their winter homes."

"The blizzard hit our neighborhood at 2:30 p. m. The reason I happened to know the exact minute was because when the blizzard struck me it froze the works of my watch and stopped the hands at that exact minute. At 2:29 p. m. the temperature was 80 in the shade. Four minutes afterward it was 27 below zero. The reason I know that it was 80 in the shade at 2:29 p. m. was because when the blizzard struck the thermometer it froze a chunk of mercury in the upper part of the tube before it had a chance to fall."

"A thoughtless little bird was sitting on the limb of a tree singing its merry tune when the storm hit it. The bird had its head to the south was the reason why it was so taken by surprise. It froze stiff right there on the limb with one of its high notes just coming out of its little bill. The bird sat there on that limb frozen stiff with its mouth open and that song arrested in its course until the following May when a warm wind came along and thawed it out. The bird sort of blinked its eyes a couple of times and then went right on with that song just where it had left off in December."

"A bull snake was out hunting on the prairie and was just ready to swallow a field mouse when the blizzard struck him and froze both the snake and the mouse into solid chunks of ice. I found them out there in the middle of February. The snake had its mouth open just about three inches from the mouse."

"I decided to put up a job on the snake and picking up the frozen reptile I turned it with the tail toward the mouse and the head pointed the other way. It worked out all right in a way. When the thaw came in the spring I happened to be near that snake. It and the mouse both thawed at the same time."

"It was evident the snake did not understand what had happened to it. It was a case of suspended animation and naturally that snake supposed when it thawed out and came to that the mouse was right there in front of its face. There was a look of surprise on its countenance such as I have never before seen on the face of man, beast, bird or reptile. It said as plain as words, 'Where the Samuel Hill has that mouse gone that was here a minute ago?'"

"The mouse was some surprised also, but took in the situation and made its getaway before the snake got turned round. Yes, sir, it was indeed a very severe storm."





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# Kafir You Ought to Plant

Experiments That Have Proved Things of Value to Farmers

BY C. C. CUNNINGHAM  
Kansas Agricultural College

**K**AFIR, as ordinarily grown, has been allowed to become later and later every season. This gradual increase in the time required to mature has resulted from two causes. Plants of all kinds gradually adjust themselves to the conditions under which they are grown. If, for instance, a given variety is introduced into a locality having a longer growing season and more favorable conditions for growth, there seems to be a natural tendency for it to make a larger growth than normal and become later. If, on the other hand, a variety is introduced into a locality where the seasons are shorter or the growing conditions less congenial, it will not make a growth equal to the normal for the variety and tends to become earlier in maturity. In the case of kafir, the growing conditions throughout the eastern and central parts of the state are, as a rule, much more favorable than those of the country from which kafir was obtained. Because of these better conditions under which kafir is being grown, it naturally tends to adjust itself to the longer growing period which results in the later maturity of the crop. This tendency to become later is often hastened by the selection of the larger heads for seed, which is a common practice. As a rule, the largest heads are the ones to mature last, and when they are taken for seed, late maturity is unknowingly developed by selection.

By properly selecting the seed in the field every year, kafir can be made to mature at the desired time, providing growing conditions are normal. By selecting early, medium, or late maturing heads every season, early, medium, or late maturing strains can be developed. During the last 10 years the agronomy department of the Kansas Agricultural college has developed a strain of blackhull white kafir by breeding by the head to row method, which when properly planted and cultivated, has not failed to fully mature seed during that time, the season of 1913 excepted. The combination of drought and chinch bugs was too much for that season's crop and it failed to make grain.

All the kafir grown on the college farm for the last three years traces back to a single head that was a high yielder in the 1908 head to row or breeding plot. This head traces back to a lot of seed that was selected for early maturity in 1903 when improvement work with kafir began. The early maturity of kafir has been maintained throughout this 10-year period. The improved seed sent out from the college has given good results throughout the eastern half of the state and, as a rule, proves to be much superior to the ordinary kafir grown in the state.

Harley Hatch of Gridley, Coffey county, Kansas, a regular contributor to the Mail and Breeze and an expert observer of things pertaining to the farm, writes of the college strain of kafir:

The kafir seed raised at the college at Manhattan has a great reputation down here. There are a number of farmers in this locality who have sent there for seed and the increase in the resulting crop has in each case been surprising. The seed grown here gets mixed and perhaps runs out to a certain extent and yields fall below what they should be.

There is no crop that more quickly responds to seed selection than kafir and there is no grain crop which more quickly runs out if given a chance. It is probable that every farmer by close selection could keep his kafir at as high a standard as the college seed. But none do it, or so few as practically to be called none.

Under normal conditions no difficulty should be experienced in the eastern three-fifths of the state in getting this strain of kafir to mature well before frost, providing reasonably good culture is given the crop.

Blackhull white kafir, now being grown at the Hays station is the progeny of a single head which was the earliest maturing and best producing one out of 25 choice heads in the 1909 breeding plot. The kafir in this head row in question matured considerably earlier than any of the others, made by far the highest yield, and produced a comparative uniform type of plants. This strain of kafir has been kept pure and the early maturing characteristics maintained by careful selection. It matures earlier than the standard blackhull kafir

grown in eastern Kansas and for growing in the west-central part of the state is to be preferred.

The whitehull white kafir is earlier than the Hays strain of blackhull kafir and is much better adapted for growing on the uplands throughout the western part of the state. The origin of this variety is not known, but is believed to be the product of a natural cross between red kafir and the old white kafir that was once grown extensively. It was obtained by the Hays station from William Rockefeller of Russell county, where it had been grown for years. It is very hardy and is better adapted to western Kansas conditions than any other variety known to the writer.

Another early maturing variety that is well adapted for growing in west-central and western Kansas is the dwarf blackhull kafir developed by the U. S. Department of Agriculture. The variety is thus described in Farmers' Bulletin No. 552:

Dwarf blackhull kafir is a newly developed form of the blackhull variety. It originated as a sport from an early maturing selection of the ordinary blackhull kafir. It grows only 3 to 4 feet in height under dry-land conditions and matures from five to 10 days earlier than the standard blackhull strains. It differs from the ordinary blackhull kafir, both in dwarf stature and earliness.

Under favorable conditions or where the standard blackhull variety can be matured successfully, the early maturing sorts will not make as heavy yields but where the former variety does not mature in the average season, the earlier ones are to be preferred. Because of the earliness and dwarf stature they will produce grain with less moisture and mature in a shorter season.

It is not necessary to import kafir seed from distant countries in order to obtain hardy, early maturing sorts. Both early and hardy varieties can be secured from western Kansas. They have been improved by selection, are well adapted to the soil and climatic conditions of the state, and should give better results than the unacclimated, unimproved seed obtained from other sources.

## The January Institutes

This is a list of the January circuits for farmers' institutes as announced by Edw. C. Johnson, superintendent of institutes:

January 5-6, Holton; 6-7, Effingham; 7-8, Troy; 8-9, Hiawatha; 9-10, Seneca; 12, Everest; 13, Denton; 14, Morrill; 15, Axtell; 16, Beattie; 17, Marysville.

Speakers: C. H. Taylor, J. H. Merrill and Miss Edith Allen.

January 5, Vinland; 6, Black Jack; 7, Pomona; 8, Homewood; 9, Williamsburg; 10, Waverly; 12, Neosho Falls; 13, Blue Mound; 14, Mound City; 15-16, Pleasanton; 17, La Crosse.

Speakers: Miss Frances L. Brown and Dr. G. A. Pyle.

January 5, Rossville; 6, Madison; 7, Hamilton; 8, Moline; 9, Severy; 10, Latham; 12, Douglas; 13, Leon; 14-15, Peabody; 16-17, Lost Springs.

Speakers: P. E. Crabtree and L. G. Hepworth.

January 12, Lucas; 13, Waldo; 14, Natoma; 15, Zurich; 16, Palco; 17, Nicodemus.

Speakers: W. A. Boys and C. A. Johnson.

January 5, Richland; 6, Overbrook; 7, Michigan Valley; 8, Quenemo; 9, Olivet; 10, Lebo; 12, Americus; 13, Wiley; 14, Allen; 15, Osage; 16, Reading; 17, Barclay.

Speakers: George O. Greene and Miss Florence Snell.

January 13, Viola; 14, Harper; 15-16, Medicine Lodge; 17, Waldron.

Speakers: A. S. Neale and Miss Adah Lewis.

January 19, Greene Twp.; 19-20, Wellington; 20-21, Burden; 21-22, Winfield; 22-23, Arkansas City; 24, Dexter; 26, Anson; Conway Springs.

Speakers: Edwin C. Johnson, O. P. Drake and Miss Adah Lewis.

January 23, Cedarvale; 23-30, Sedan. Speakers: E. J. Macy and O. P. Drake.

January 27, Burdett; 28-29, Jetmore; 29-30, Larned; 30-31, Dodge City; February 2-3, Lakin; 3-4, Syracuse; 4-5, Garden City; 5-6, Cimarron.

Speakers: H. B. Walker and Lee H. Gould.

## Alfalfa Hay Wanted

Mr. Editor—I want several cars of alfalfa hay, well cured and in good condition. State what cutting you have and the price f. o. b. I appreciate what the Mail and Breeze is doing for the farmers.

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## "Six Years Shalt Thou Sow"

### Summer Fallow and Dry-Farming in Bible Days

BY W. A. LIPPINCOTT

That the summer fallow—the great principle upon which dry-farming is founded—is not a recent discovery is the declaration of W. A. Lippincott, whose third article on the rural life teachings of the Bible, in the Kansas Industrialist gives the source of this farming method. Professor Lippincott also finds the people of Christ's time dealing with land-ownership problems similar to those of this day. The fourth article of this series will appear in an early issue.

**WE ARE** hearing very much and doing comparatively little concerning the conservation of natural resources in general and soil fertility in particular. I suppose the majority of farmers in this and other states consider this as a very modern question and, perhaps, more or less of a temporary scare. And yet, if you will turn to Exodus 23:10-11, you will find one of the ordinances of the primitive code of laws commanding, that

Six years thou shalt sow thy land and shalt gather in its increase. The seventh thou shalt let the land rest and be fallow.

The law giver of that day knew nothing of nitrogen cycle, of humus, nitrifying bacteria, of available and unavailable plant food, or the theory of green manuring. But the practical advantage of a fallow period, one of the cardinal principles of dry-farming practice today, was so thoroughly recognized that an ordinance was actually placed on the statute books, directing that the land lie fallow one year in seven. In Leviticus 25:3, 4, another statute reads:

Six years shalt thou sow thy field, but the seventh shall be a sabbath of complete rest for the land.

It was at a time when the laws of God and the state, which were then considered to be the same, were being broken that Isaiah (5:8-10), in a burst of burning eloquence, cried out, "Woe unto them that join house to house, that lay field to field, till there be no room, and ye be made to dwell alone in the midst of the land."

"In mine ears saith the Lord of Hosts, of a truth many houses shall be desolate, even great and fair without inhabitant."

"For ten acres of vineyard shall yield one bath, and a homer of seed shall yield an ephah."

Such a prophecy can be classed only as sanctified common sense. When the concentration of land ownership is the rule and land grabbing is a passion, the livestock will be crowded off the range and there will be little attention paid to a program of soil conservation. The only possible result can be that even the vineyards shall be reduced in bearing and the increase over the seed sown will be so small as to make it hardly worth while to farm. The progress is negative and straight toward the abandoned farm.

#### The Land Laws.

Such laws would be demoralizing under our present economic and social conditions. It probably was possible then only because of the theory of land ownership in vogue as shown in Leviticus 25:23. "The land shall not be sold in perpetuity, for the land is mine, and ye are resident aliens and settlers with me." All laws were religious. God owned the land, therefore He had a right to legislate for its conservation and permanent usefulness. It is only a question of time, however, until there will be laws upon our statute books definitely regulating the care of farm land in certain particulars with regard to the conservation of the soil's fertility.

Perhaps the most striking similarity between ancient practice in Bible lands and modern need is to be found in the land laws of the Old Testament. As already suggested, they faced the problem of the concentration of the ownership of the land and its attendant evils of absentee landlords and a dependent peasant class.

Micah (2:1-2), who was always on the side of the man who found himself at a social or economic disadvantage, cried, "Woe to them that devise iniquity, and work evil upon their beds. When the morning is light, they practice it because it is in the power of their hands. And they covet fields and seize them, and houses and take them away."

"They practice it because it is in the power of their hand" may refer to the fact that the prophets made no distinction between seizing land as Ahab did in the case of Naboth's vineyard and foreclosing a mortgage. In their view, all concentration of land was wrong because it alienated from the soil the sturdy, independent farming class of the day. The prophets preached against it. The law givers formulated statutes against it, and at least one prophet, Elijah, took the role which we now designate under term "invisible government" and started a political revolution and overthrew the ruler in power, because he seized a tract of land that pleased his fancy. Samuel (8:13, 14), arguing against the advisability of having a king over Israel, said, "He will take your fields and your vineyards and your oliveyards, even the best of them, to his servants (that is, his political constituency)." Micah and Isaiah, as already pointed out, condemned the ruling class for adding field to field. Ezekiel (46:18) demands that the prince shall not seize the people's land, so that the people shall not be scattered every man from his possessions. And the book of Deuteronomy (19:14 and 27:17) curses the removal of land marks and records of a law forbidding their removal.

#### The Married Farm.

Isaiah (62:4, 5), the poet prophet, appealing to the sentiment of the rural people, tries at once to arouse them to action and to faithfulness by comparing their relation to their farm land to that of husband and wife, when he says, "Thou shalt no more be termed Forsaken, neither shall thy land any more be termed Desolate, but thou shalt be called Hephzebah (my delight is in her) and thy land Beulah (married), for the Lord delighteth in thee, and thy land shall be married. For as a young man marieth a virgin, so shall thy sons marry thee, and as the bridegroom rejoiceth over the bride, so shall thy God rejoice over thee."

The picture of the married farm has great homilistic possibilities in it, and I bespeak some sermons on the married farm.

#### Colorado Farmers to Meet

The farmers of Colorado are to assemble at Fort Collins January 15 for the fifth annual congress. A rural school conference will be held January 17. The congress will consist of delegates from each agricultural, horticultural and livestock association, grange, farmers' union and other organizations whose business it is to promote the agricultural interests of the state.

The regular classes of the Agricultural college and School of Agriculture will be open to visitors. The faculty of the college and the Experiment station workers will be glad to talk with the farmers of the state about their agricultural problems. Agricultural college students will show delegates about the campus, the college farm, the horse breeding station and the Experiment station.

The sessions of the congress will be open to the public. Reduced rates will be authorized on all railroads. Inquiry should be made early of local agents. Good boarding and rooming accommodations may be secured in advance by writing to the College Secretary, Y. M. C. A., Fort Collins, Colo.

Bodies having appointing power are urged to send the names of their respective delegates to Acting Secretary M. N. Dillon, Agricultural College, Fort Collins, Colo., at the earliest possible date.

#### More Feed for Sale

Mr. Editor—I have 120 acres of shock corn, part of it with corn on. Also have about 100 of good wheat pasture. Will pasture about 100 head of cattle and feed in bad weather. J. B. Harding. Nashville, Kan.

One can make larger interest on money invested in machinery sheds than in any other thing on a farm.

Mitchell



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\$1,895

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## Why a Big Sunday Dinner?

Farm Women Find There Are Better Ways of Entertaining Company Than Spending All Day in the Kitchen

THE Sunday dinner question will ever be one of moment on the farm, for Sunday is essentially farmers' visiting day. It is pleasant to recall the visits we have made and received on Sunday. The dinner, however, should not be made the most important thing of the day. Staying in the kitchen all day and cooking all kinds of fancy food is a poor way of entertaining your friends. Perhaps you can recall visits you have made about which the best you could say was that you had a good dinner. Don't let your friends say that about you. Let them have a good time and be on hand yourself to see that they have it.

The family learns to expect what the mother has taught them to expect. If ice cream, fried chicken and all manner of dainties are the regular Sunday diet, of course the family expects such fare. If on the other hand the family is taught that Sunday must be made a day of rest, as much as possible, they all fall in line.

I do not advocate a day of fasting, but most of the Sunday dinner can easily be prepared on Saturday. One can form the habit of going to town on Friday and having Saturday free for baking and preparation for the Sunday dinner. On Saturday bake a few pies and a cake or two. Rolls are nice, and fresh bread and butter. The vegetables can be cooked ready to be quickly reheated. Potato salad and baked beans go well, and boiled ham is more easily prepared than fried chicken. A roast hen or a stew can be prepared on Saturday. Eggs, deviled or cold boiled, never go begging. Baked macaroni and cheese or scalloped salmon can be made and reheated on top of the stove when you make tea or coffee for dinner. Vegetable soup is all the better for being made the day before it is used. You likely have many varieties of pickles, jellies and sauce in your cellar, and thus the Sunday dinner can be set on the table in good shape in 10 or 15 minutes.

If there are 12 or 15 persons to get dinner for, and they are members of the family, the older ones are big enough to help and ought to be taught to do so. The mother who does not teach her children to help her, injures both herself and them. Even the little folks can help. Let them get radishes and onions and wash them for you, or set the table and carry the things from the cellar.

If the 12 or 15 persons are visitors, let the women help you. Were you ever visiting where you went out to the kitchen door, peered in and asked in a nice company voice, "Isn't there something I can do to help you?" If your hostess refused your help, you probably went back to the parlor, hurt and crestfallen, to listen to the men's everlasting political talk. If, however, your hostess tossed you a nice clean gingham apron and said, "Sure, come right out here, and we can work and visit at the same time," didn't you feel more kindly toward your friend?

There is no sense in one woman cooking such a big dinner without any help. A good housekeeper can make herself a martyr if she is determined to do so, and no one will appreciate it.

Just Plain Ma.

### What About Chautauqua Time?

I have just read your article on the big Sunday dinner, lots of company and an overworked wife. I think this order of things should pass. Our neighbors now are not so far away as to make it necessary to stay all day, as in frontier times.

I found it very easy to lay this order of things aside; no one objected, and it was my own fault that I did not make the change sooner. Our family is small, so on Sunday I usually dress a chicken, see that I have fresh bread, good butter, fruit, vegetables, and a couple of pies. I have my house in good order Saturday evening. While getting Sunday dinner enough is cooked for supper. Everyone is satisfied, and my husband's only day off is not spent in entertaining. If the young folks want company there is time enough in the afternoon, and a cold lap supper is enjoyable. If the girls want all-day company let them

get the dinner. No great calamity will result if they do not get a dinner "like mother used to get".

The Sunday dinner is not a problem to me now, but here is an order of things which is: When there is a chautauqua, reunion, or celebration near you how are you going to deal with about two dozen of "the folks" who make no effort to prepare a thing, although they know it is an outdoor affair, but just take the easiest and quickest route to your house and tell you "not to go to any trouble now"? The temperature may be 104, and you have no help, and have been used to cooking for three or four. How are you going to hold out cooking for 15 or 20, look neat, be pleasant, and walk out with them? You can't take your basket to the grove and ask dear Mrs. Blank and her husband to eat with you. Now do you think all might have had a good time out doors if Cousin Kate had put her lunch basket in the buggy, and sister Jane had put hers on the train, etc.? Why cannot "the folks" be as considerate of you as they would be of those who are not their own?

Also, what do you think of giving working girls Friday afternoon off? I once heard a milliner lament that she could not go to church Sunday because she had to do her mending and wash her hair Sunday morning. Employers object to giving Saturday afternoon off because Saturday is their busy day; then why not Friday? As a rule girls draw a smaller salary than men do, then give them a few hours extra to look over their laundry. You know a man may have a slightly soiled suit and may go to work sooty and greasy, but who would hire a girl that was not absolutely clean? And when one has to have a fresh dress every day the laundry problem is no small thing.

One-Of-Them.

### They're Still Doing It.

Hospitality is a characteristic of the people in our neighborhood, but the good Sunday dinner enjoyed by the family and its guests is not eaten at the sacrifice of the wife and mother spending all day in the kitchen. We consider the church services come first, and if it were necessary to miss church and Sunday school in order to entertain we would omit the dinner and simply serve lunch. But this is our plan: All preparation possible is made Saturday, the house is cleaned, and the bread and cakes baked. Sunday morning we rise as early as usual—this necessary on account of care of stock—dress chicken, bake pies, get ingredients ready for salads, and vegetables ready to cook. We are off for Sunday school at 10 o'clock, and stay for church. The invited guests accompany us home. As soon as we enter the house we strike a match and the oil stove is going. While the tea-kettle boils we get into a cool dress. By the time the men have fed and watered the teams, washed, and talked a little we have our chicken fried, the potatoes and peas cooked, salad made, pickles ready, fruit opened to serve with cake, pie, etc. Coffee and iced tea served for drinks. After dinner several volunteer to assist with the dish washing, which is quickly done, and all enjoy the afternoon together.

Mrs. W. D. Spurlock.

Geronimo, Okla.

### Broke Up Sunday Visiting.

After spending the most of the Sundays of my girlhood days in the kitchen cooking and washing dishes for people that had no higher ideals in life than to go somewhere on Sunday, take all the children and the dogs and get a good square meal, I resolved that if ever I had a home of my own I would not spend my Sundays that way. I broke up the Sunday visiting habit by not returning the visit on Sunday. If people wanted to come and visit us on Sunday I would say, "We go to Sunday school and church. If you will go too we shall be glad to have you come". I seldom had to say that the second time. I prepare my Sunday dinner as much as possible on Saturday. Sunday morning while doing up the work I put on

the stove what I intend to cook for dinner. When I get ready for church I set my dinner back where it will keep warm, and when I come home all is ready for serving. I often invite some friends home with us, and they exclaim, "Oh, how quick you got dinner!"

Sunday was made as a day to rest and worship God, not for feasting and hilarity. Those who want to go visiting on Sunday just for the sake of having a good dinner and a good time have very little regard for the comfort or feelings of the woman who has to entertain them, and are setting a bad example for future generations.

Mrs. A. H. Stewart.

Burlington, Kan.

## Girls Make Dusting Caps

THE PRIZES AWARDED.

The three girls who have been adjudged prize winners in the girls' sewing contest are Iva Karstadt, Bennington, Kan.; Effie Miller, R. 2, Glen Elder, Kan., and Grace Titus, R. 3, Hartford, Kan. By a rather remarkable coincidence each girl has chosen a copy of "The Railway Children" for her prize.

The sewing editor is proud of the dusting caps made by these three girls. It is hardly probable that any grown woman who reads the Mail and Breeze could, if she tried ever so hard, make a better one. This contest included running, hemming, buttonholing, gathering and featherstitching, every stitch by hand. One of the girls added to this shadow embroidery.

Several of the girls who entered the contest did not follow directions but doubled the front piece back and then featherstitched, making it solidly double. A few turned it back and seamed it, then featherstitched and turned back again, making four thicknesses, which makes the cap unnecessarily clumsy. If wished the turned-back front may be tacked at the lower corners, but except for this it should be left loose.

The neatest way to cover the raw seam in this case is, after stitching, to trim off the gathered piece a little, turn the straight edge down over it, and catch down with invisible hemming stitches. If the front has a selvage edge it may simply be laid down; if the edge has been cut it must be turned in.

Honorable mention for specially good work done should be given to Florence Buckley, R. 1, Pittsburg, Kan.; Bernice Kelley, Ball, Kan.; Gertrude Noller, McFarland, Kan.; Artie May Osburn, Cadoda, Colo., and Kathleen Forsyth, Osage City, Kan.

### Are Teachers Often to Blame?

Much has been said in the columns of the Mail and Breeze about the dress of young girls. I think very much of the evil influence may be traced to the teachers in the public school, who have such a wonderful opportunity for good. Many of the teachers will be found in the school room in zero weather with thin waists, sleeves above the elbow, low neck, scanty underwear, thin stockings, low shoes and no overshoes or leggings. They are not only injuring their own health but injuring the health of their pupils; for what girl does not think she should act and dress as "teacher" does? In our neighborhood I have seen girls who were raised by sensible mothers don this lightweight wearing apparel because the teacher whom they loved and respected made this mistake, and in doing so ruined their health and laid the foundation for the dread white plague. This is saying nothing of the evil influence it has upon the young boys who must day after day gaze at the scantily clad figure of teacher and classmates, because "teacher" set the example. Oh, if the teachers would only open their eyes and see that they are living, walking examples for their pupils to pattern after, I think they would dress differently. I wish every mother who will bear me out in this discussion would write to the Mail and Breeze and condemn such a course.

Mother.

### Soap and Hot Water Help Rough Hands.

[Prize Letter.]

When I commenced doing my own housework the great objection was the dreadful condition of my hands in winter. I had eczema so that even putting my hands in clear water almost made me cry. How was I to wash dishes, and how could I make bread? I tried

this: After washing dishes, I very carefully washed my hands in quite warm water, using a pure white soap plentifully to remove all grease, then rinsed in water as hot as I could bear my hands in, letting them stay till they were fairly red. Then I dipped them several times in cold water, dried carefully, and used a soothing lotion. This I did after every dishwashing. At the end of a month my hands were healed, although tender, and I got through the winter much better than I expected. The next winter I used the lotion less. For five years my hands have been perfectly well with ordinary care, no humor, no cracks. They are soft and comfortable. The hot water and soap opened and cleansed the pores of the skin, while the cold douche roughened and stimulated the skin.

English Molly.



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

No. 6065 illustrates a child's dress. For this dress age 8 years requires 2½ yards of 36-inch material and ¾ yard of 27-inch contrasting material.

A dress for misses and small women is shown in No. 6222. The pattern is



cut in sizes 14, 16 and 18 years. Size 16 years requires 4½ yards of 36-inch material.

No. 5292 is a practical work apron, with a large pocket at each side. The pattern is cut in sizes 32, 36, 40 and 44 inches bust measure. Medium size requires 4¾ yards of 27-inch material.

### USE THIS COUPON FOR PATTERN ORDERS.

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

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

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BE SURE TO GIVE NUMBER AND SIZE.

Experiments have proved that a hen in good condition will eat, on an average three ounces of mash in the morning, two ounces of grain at noon, and four ounces of grain at night.



## Real Fun Box-Supper Night

One Danger Is the Fire-Trap School House

BY HARLEY C. HATCH

THERE is going to be a "box supper" tonight at Hopewell school and, as the weather is perfect and the moon nearly full, it is probable that the school house will be jammed to the doors. An entertainment is to be given which calls for a curtain and as the lights are kerosene lamps there will be some danger of fire. We wonder how many are aware what fire traps some school houses are. There is only the one exit for a building crowded full of people. We tremble at times when we think of the children who are crowded into such a place, all well down in front where the fire would be if one broke out.

The school house in the Hopewell district has a heavily barred screen across the windows which would prevent any one getting out in that way and the whole audience would have to leave by way of the door. Not only are the seats always full but the aisles as well and the standing room at the back of the seats is fully occupied. There is no city in the country where such a situation would be allowed and to us it seems full of danger. In such a case the windows should be free of all obstruction so in case of fire the people could get out that way. This would provide seven exits instead of one.

But they are likely to have lots of fun at this box supper tonight. Those who live in the city and who are going to attend some play or musical comedy will pay something like \$1.50 a seat but will not have as much fun or entertainment as these country folk will at the supper. There is a good deal of unconscious humor supplied by a home-talent show which is enjoyed by the audience and there is still more downright fun when it comes time to sell the supper boxes.

A box containing supper for two is likely to bring anywhere from 25 cents to \$12.50 at one of these entertainments. Some young fellows will go clear to the bottom of their pockets rather than let anyone else eat supper with their girls. In some manner it is nearly always known whose box is being sold and the other boys make it a point to see that each "steady" has to go about the limit when his girl's box is put up. And then there is the cake for the most popular young woman: that always brings from \$5 to \$15 at 1 cent a vote. The socks which go to the laziest man seldom bring much because there is no real competition. They are seldom voted to the really lazy man for it would seem too much like an open affront. As a rule they are voted to some good natured fellow who enjoys the joke. Sometimes when the girls do not care to go to the expense and trouble of filling a supper box, pies are sold instead but generally a pie supper brings about half as much as the supper where a full box of sandwiches, fried chicken, pie, cake and fruit goes to each purchaser.

At sales of farm property this week prices showed a tendency to go lower. In this they are only following the course of the market. Most people now are convinced that the hog market is not going to permit feeding 75-cent corn; whenever hogs get close to the \$8 mark the packers fight hard to get them lower. If a man has to buy his corn at 75 cents and haul it he cannot break even when the local price of hogs is no more than \$7.

Before the rains kafir fodder sold in this locality at from 25 to 35 cents a shock. At a sale we attended this week good sized kafir shocks brought only 12 cents each. This difference in price about represents the difference in value, the loss being caused by the wet, warm weather. This kafir still is eaten well by cattle but most farmers fear to feed it to horses.

The agitation for a new penitentiary does not strike farmers favorably at this time. We have talked with a number and while they do not question one is needed they do not feel anything should be done that will increase taxes for at least another year. Owing to the crop failure many farmers will not have

any money to spare for some time and they do not like to pay any higher taxes at present. The tax on the average farm and farm equipment is no small one.

We see that one prominent Kansan says the new penitentiary must be built at once; then Kansas people will have to learn to "dig up" when it comes to paying taxes. It is our opinion that they have already learned to "dig up" pretty well. The tax in this school district for the last few years will run from \$75 to \$90 on a 160-acre farm. We have an uncle who lives in Kankakee county, Illinois, who has land which he could sell any day for \$250 an acre. We asked him what his taxes were and he said they ran from \$14 to \$15 to the 40 acres or from \$50 to \$60 to the 160-acre farm. Our land here is valued possibly at \$50 an acre; are we not learning to "dig up"?

The holder of the average Kansas farm mortgage draws 6 per cent interest. If he is a Kansan he will have to list this mortgage for taxation if it is recorded and the man who would take a mortgage without having it recorded would be foolish, indeed. If this mortgage owner lives in the average county seat town he will be called upon to pay in taxes all the way from \$1.50 to \$2 on the \$100 of the value of his mortgage which is always assessed at full value. Here is a tax that takes from one-fourth to one-third of his entire income; isn't the mortgage owner also learning to "dig up"? And the worst of it is, that in the long run this tax expense all comes back on the man who has to borrow the money. Already the tendency is for interest rates to advance.

About two more days will let us out on our wood chopping job and then will come the hauling. We would much rather cut the wood than haul it; in this country it is all wagon hauling and it is a hard matter to get good sized logs on such a wagon. If the wood is to be loaded on the wagon from skids the log pile will have to be pretty high to roll the logs on at anything like a level. As all the largest logs are walnut and are to be made into posts, we cut them in 7 or 14-foot lengths and by so doing are able to load up very well. Since the rains we cannot haul big loads and this is going to string the job out still longer but we shall have a lot of posts when we get through.

We thought we had seen all the combination of colors that could be made by crossing the different breeds of hogs but the last time we went to town we saw a bunch of shoats with different marks from any we ever saw before. This marking was produced by crossing the Hampshire with the Duroc. The Hampshire being a black hog with a broad white belt around the middle, the Duroc cross changed the black to red but the Hampshire's white belt remained. This produced a solid red hog with the exception of the broad white belt. It was a most peculiar looking combination.

It is an old saying that three white frosts are always followed by a storm but this morning makes the fifth and there is no sign of a storm. All the old eastern signs fail in Kansas.

One of our neighbors has for more than a year been anxious to go to Colorado. This week we read in the news that cattle are dying by hundreds near the town to which he wished to go. They are covered with snow and no feed can be got to them. It is true there are few better places in which to live than Kansas.

The rain which soaked the ground and filled up all the water courses did great damage to the feed left in the field. From all over the West we have word that much fodder is spoiled. It did not mature as it should and the shocks seem to have no backbone; they go down in a heavy rain.

A seedbed for alfalfa should be firm and well worked down; a loose seedbed will not do for this crop.

Your Grandfather Read It  
Your Father Read It  
Are YOU Reading It?



## Which Bull's-Eye Are You Aiming At?

### Field Crops?

**10,000 Bushels From 100 Acres** tells you how one man has made a fortune from a run-down farm. Starting from less than you have, very likely, he has made his farm a wonder in the production of corn. Think what his methods—we'll tell you what they are—might do for you!

**Doctoring Sick Soils** is a lesson that will give you a physician's degree to diagnose the ailments of your land and prescribe for its cure. You can't expect soil that is sick to work for you successfully any more than a horse that is off his feed or a hired man who has a fever. You must give it the proper medicine and nurse it—the way we'll tell you.

**Better Breeds of Corn** mean better yields of corn and better yields mean more money. The champion corn breeder of the country will tell you how he does it, and you have only to follow his example.

### Beef Cattle?

**Replanning the Stock Farm** is one answer to your question. As it stands today your farm may not be planned for success with livestock. Why not make it over? Other men have made old farms new—we have the experience of a man who replanned a place that didn't pay \$450 a year so that it now returns him more than \$2500 a year. You can do it, too.

**Cheaper Money—Cheaper Beef** is another story you want to read. Interest charges amount to 42 per cent of the total cost of carrying a four-year-old steer to market in the Southwest. If money could be had at 4 per cent the producer would make more profit and meat would cost less to the consumer. One of the biggest beef raisers in the country tells you why.

### Chickens?

**The Little Farm Hen** is the series of articles you must read. No farm is complete without its chickens, but many a farm would be better off without the mongrels that it keeps. Here's a complete course in poultry raising for profit—read it and make the little farm hen fill the family purse.

### Orcharding?

**Apples Without Plowing** is the easiest and best way of growing big crops of apples that you ever heard of. You may be too busy to pay much attention to the orchard, but the trees will take care of themselves if you follow this method.

### Farm Management?

**The Best Farm I Know** is a series of articles from the West, the Northwest, the South, the Corn Belt, the Fruit Regions, written by experts who point out why certain farms are better than the general run. It will tell you how to manage your own place so it can get into the "best" class.

### Better Marketing?

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is your

Business  
You need

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THE CURTIS PUBLISHING COMPANY  
Independence Square, Philadelphia, Pennsylvania



## Reliable Poultry Breeders

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## LEGHORNS.

R. C. W. LEGHORN Cockerels \$1.50 each. Fred W. Cornell, Wakefield, Kan.

PRIZE Rose Comb White Leghorn cockerels. A. G. Dorr, Osage City, Kan.

FINE S. C. W. LEGHORNS. Cockerels and pullets. G. Patterson, Lyndon, Kan.

ROSE COMB Brown Leghorn cockerels \$1 each. Prize winners. Otto Borth, Plains, Kan.

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SINGLE COMB White Leghorns. Forty Ribbons last year. Exhibition and utility. \$1.50 and up. Closing out Partridge Rocks. R. W. Bradshaw, Ellsworth, Kan.

SINGLE COMB Brown Leghorns. Champions of the West. Over 300 prizes won. My quarter of a century show record is free. C. F. Lang, Box F. M. B. La Crosse, Wis.

## TURKEYS.

BOURBON RED turkeys. Stella Norton, Hollis, Kansas.

BOURBON RED turkey toms. C. O. Snyder, St. John, Kan.

CHOICE BOURBON RED turkeys. Hattie Hart, Eureka, Kan., R. 2.

FINE M. B. TOMS \$5.00. Hens \$3.00. Mrs. H. Matthews, Tescott, Kan.

FINE, PURE BOURBON Red toms, \$5.00. Mrs. J. J. Darst, Rose, Kan.

BOURBON RED toms. Prices reasonable. Effie Huxtable, Frankfort, Kan.

THOROUGHbred Bourbon Red toms \$4.00 each. James Butler, Glasco, Kan.

MAMMOTH BRONZE turkeys. Toms \$4.00. Mrs. David Russell, Gardner, Kan.

BOURBON RED turkeys. Toms \$3.50. Hens \$2.50. Henry Wells, Colony, Kan.

WHITE HOLLAND turkeys. Toms \$5, hens \$3. Grace Garnett, Columbus, Mo.

WHITE HOLLAND turkeys. Toms \$3.00, hens \$2.00. Mrs. Ed Dorr, Mahaska, Kan.

BOURBON RED turkeys; fine toms \$4. Mrs. Howard Erhart, Independence, Kan.

WHITE HOLLAND turkey toms \$4.00. Hens \$2.50. Andrew Kosar, Delphos, Kan.

THOROUGHbred Bourbon Red turkeys. Prices reasonable. Fay Egly, Turoh, Kan.

FINE M. B. turkeys. Toms \$5. Hens \$3 and \$3.50. Mrs. E. C. Stockwell, Burlington, Kan.

THOROUGHbred Bronze turkeys. Toms \$5.00. Hens \$3.00. Mrs. C. L. Worley, Utopia, Kan.

MAMMOTH BRONZE turkeys reasonable. Grandiose famous Blitz, 66 lbs. L. R. Wiley, Elmdale, Kan.

LARGE, thoroughbred Bourbon Red turkeys. Prices reasonable. Mrs. S. J. Henry, Belleville, Kan.

MAMMOTH White Holland turkeys. Toms \$5, hens \$4, trio \$12. Mrs. Wm. Forsythe, Greenwood, Mo.

BOURBON RED turkeys. Fine young toms \$3.00 while they last. P. A. Pierson, Spring Hill, Kan.

FINE BOURBON RED turkeys. Young toms, 25 lbs., \$5.00. Hens \$3.00. Mrs. E. J. Weaver, Piedmont, Kan.

CHOICE Bourbon Red turkeys for sale. Toms \$3.50, hens \$2.50 each. Al. L. Fletcher, R. R. 3, Longton, Kan.

FOR SALE—Thoroughbred Bourbon Red turkeys. Toms \$4.50. Hens \$3.00. John Carroll, Lewis, Kan., R. R. 2.

FOR SALE—Fine Bourbon Red turkeys. Toms \$5. Hens \$3. Trios \$10. Mrs. J. L. Miller, R. F. D. 6, Eureka, Kan.

WHITE HOLLAND turkeys until New Year. Fine large stock. Hens \$3, toms \$4. Clara F. Barr, Westmoreland, Kan.

MAMMOTH White Holland turkeys. Early hatched. Hens \$2.00, toms \$3.00. For quick sale. Mrs. Alice Sellers, Mahaska, Kan.

## TURKEYS

## BOURBON RED

## MAMMOTH BRONZE

## WHITE HOLLAND

## TURKEYS

## TURKEYS

## TURKEYS

## TURKEYS

## BOURBON RED

## MAMMOTH BRONZE

## WHITE HOLLAND

## TURKEYS

## TURKEYS

## TURKEYS

## Reliable Poultry Breeders

## PLYMOUTH ROCKS.

FULL BLOOD Barred Rocks \$2.00. D. N. Hill, Lyons, Kan.

BUFF ROCKS—Nice pullets \$1.25 each. W. F. Alden, Ellsworth, Kan.

WHITE P. ROCK cockerels \$1.50 each. James Jensen, Kinsley, Kan.

WHITE ROCK hens and pullets. W. J. Lewis, Lebo, Kan., Lock Box 153.

PURE BARRED cockerels \$1.00. Wm. Speelman, Marysville, Kan., R. No. 2.

FINE BARRED cockerels. Inquire of Wm. C. Mueller, Llanoy, Kan., R. 4.

LARGE thoroughbred White Rock cockerels, \$1 each. Cora Stephenson, Milton, Kan.

BUFF ROCKS—A few breeders and young stock for sale. William A. Hess, Humboldt, Kan.

COCKERELS, \$1.00 each. Worth twice the money. Mrs. Dan McCarthy, Newton, Kan.

PURE B. R. cockerels one dollar each if taken at once. Mrs. Jesse Beam, Otego, Kan.

PURE BARRED ROCK cockerels \$1.50. Vigorous, farm raised. Mrs. H. Buchanan, Abilene, Kan.

FINE WHITE ROCK cockerels at reasonable prices. Mrs. E. E. Williams, Sabetha, Kan.

BIG TYPE BARRED ROCKS. Fine cockerels and pullets half price now. A. H. Duff, Larned, Kan.

BARRED PLYMOUTH ROCK cockerels for sale at fall prices. Sunnyside Poultry Farm, Owensville, Mo.

BARRED ROCK pullets \$1.00 to \$1.50. Four 1st and one 2nd at Claremore fair. W. S. Crouch, Claremore, Okla.

BUFF ROCKS. Cockerels, good quality, \$2.00; 3 for \$5.00. Pullets \$1.00 doz. Mrs. Ike Saunders, Elk City, Kan.

EARLY, ringy, weigher-layer Barred Rocks, \$2.00 up. 103 premiums. Pen heads specialty. W. Opfer, Clay Center, Kan.

TWO BREEDS—Pure bred Barred and White Plymouth Rock cockerels and pullets from prize winners. H. F. Hicks, Cambridge, Kan.

BARRED ROCK cockerels. Large, well barred, farm raised, \$1.50 each, 4 for \$5. Geo. Bingham, Bradford, Wabunsee Co., Kan.

BIG, VIGOROUS, early-hatched White Rock cockerels. Best strain in America. \$2 to \$10. Eggs in season. E. L. Lafferty, Ellsworth, Kan.

PARTRIDGE PLYMOUTH ROCKS headed by America's Royal winner. Cockerels for sale. Eggs in season. Prices reasonable. Reece Lewellen, Cedar Vale, Kan.

BARRED ROCK cockerels—Utility birds for the farm flock hatched from mated pens. Light colored \$2.00 each; medium and dark, \$3.00 to \$5.00. C. C. Lindamood, Walton, Kan.

## RHODE ISLAND REDS.

R. C. RED cockerels for sale at one dollar each. Mrs. Jas. Doemaker, Narka, Kan.

PRIZE WINNERS. Rose and Single Comb cocks and cockerels. Lulu H. Pearl, Caney, Kan.

FINE Single Comb Rhode Island Red cockerels, \$1.50 and \$2.00 each. O. C. Duprey, Clyde, Kan.

CHOICE, brilliant R. C. cockerels, pullets. Bargains. Sunnyside Farm, Havensville, Kan.

ROSE COMB RHODE ISLAND RED cockerels, thoroughbred stock. Wm. Mehl, Holyrood, Kan.

PRIZE WINNING Rose Comb Reds! Fast cks., standard size, shape, color. Mrs. Abbie Kienlets, Pratt, Kan.

ROSE COMB REDS, \$2.00. Winners American Royal, Kansas, Oklahoma State Fairs. Raymond Baldwin, Conway, Kan.

FOR SALE—S. C. R. I. Red cockerels ready for service. Blue ribbon winners. C. W. Murphy, 1750 Mass. St., Lawrence, Kan.

SINGLE COMB REDS. Winners eastern Kansas shows. Limited number, high quality cockerels, \$2 to \$5. William Edwards, Westphalia, Kan.

50 ROSE COMB Rhode Island Red cockerels \$1.50 to \$3.00 each. Farm raised. Special price on 6 or more. O. M. Lewis, R. No. 1, Holsington, Kan.

## LANGSHANS.

BLACK LANGSHAN cockerels. Scored by Rhodes. Martha Haynes, Grantville, Kan.

PURE BRED White Langshan hens, pullets, cockerels. Mrs. Geo. McLain, Lane, Kan.

PURE BLACK LANGSHAN cockerels. Pleasant View Farm, John Bolte, Axtell, Kan.

BLACK LANGSHAN cockerels from a \$20.00 sire, \$1 each. Must sell. J. A. Lovette, Poultry Judge, Mullinville, Kan.

BLACK LANGSHAN cockerel at half price. A few choice Houdan cockerels. Write your wants. E. D. Hartzell, Rossville, Kan.

## Reliable Poultry Breeders

## RHODE ISLAND WHITES.

ROSE COMB Rhode Island White cks. \$3 to \$5 each. Trios \$10 to \$15. Wonderful winter layers and grand table fowl. Col. Warren Russell, Winfield, Kan.

## COCHINS.

FOR SALE—Buff Cochins. Cocks, ckrls., hens, pullets. Trios \$7.50 up. Also exhibition birds. J. C. Baughman, Topeka, Kan.

## ORPINGTONS

GOOD WHITE ORPINGTON cockerels \$2. Mrs. Helen Lill, Mt. Hope, Kan.

BLACK AND BUFF ORPINGTON cockerels and hens. Flora Watson, Altoona, Kan.

CHOICE Single Comb Buff Orpington cockerels at \$1.50 each. Mrs. Perry Higley, Cummings, Kan.

FOR SALE—Fancy, S. C. White Orpington cockerels, \$1.50 and \$2.00 each. Ernest C. Duprey, Clyde, Kan.

BUFF ORPINGTONS. Some choice cockerels, also cock birds for sale. Splendid quality. Can please you. Prices \$1.50 up. August Petersen, Churdan, Iowa.

S. C. WHITE ORPINGTONS won four firsts and special at Belleville, Kan. Have some extra good cockerels from son of first cockerel Madison Square Garden, 1911. Eggs after Jan. 1. Ed Granerholz, Esbon, Kan.

## WYANDOTTES.

FINE WYANDOTTE cockerels and pullets. J. Benjamin, Cambridge, Kan.

CHOICE Golden Wyandotte cockerels for sale. D. Lawver, Route 3, Weir, Kan.

SILVER LACED WYANDOTTE cockerels \$1.00 each. E. T. Blackwood, Rest, Kan.

SILVER LACED WYANDOTTES, both sexes. Prices right. Mrs. Alvin Tennyson, Lamar, Kan.

GOLDEN WYANDOTTE cockerels from prize winning stock. M. M. Donges, Belleville, Kan.

WHITE WYANDOTTES. A nice lot of choice large cockerels priced right. Andrew Kosar, Delphos, Kan.

FOR SALE—White Wyandotte cockerels, Keller strain. All score above 91. Mrs. I. R. Schlegel, 2103 Lincoln, Topeka, Kan.

## DUCKS.

INDIAN RUNNERS, silver cup winners. Burt White, Burlingame, Kan.

FINE FAWN AND WHITE Indian Runner drakes \$1.25 each. Miss Beulah Brown, Onaga, Kan.

MAMMOTH Imperial Pekin ducks, from prize winners. S. C. Brown Leghorn cockerels. Hulda Kearns, Girard, Kan.

FAWN AND WHITE Runners from three matings, not related \$1.00 each. Pure white \$1.50. Mrs. H. E. Thornburg, Formoso, Kan.

FAWN AND WHITE Indian Runner ducks \$2.00, drakes \$1.00. Pure white drakes \$2.00. G. W. Skinner, Baxter Springs, Kan.

WHITE INDIAN RUNNER drakes \$1.50 to \$2. Fawn and White \$1 to \$2 each, trios \$3. Laying white egg strains. Col. Warren Russell, Winfield, Kan.

YOUNG INDIAN RUNNER Drakes for sale. Won 1st on old drake and 2nd on young duck at Kansas City, Mo. Show. Eggs for sale in season. D. J. Mackey, Pittsburg, Kan.

## SEVERAL VARIETIES.

TURKEYS, chickens, geese, ducks. Emma Ahlstedt, Roxbury, Kan.

GAME cockerels and pullets for sale. \$1.00 each. D. P. Metcalf, Elk City, Kan.

ROSE COMB REDS, Silver Lace Wyandottes, \$1. Mrs. Ola Elliott, Delphos, Kan.

HOMERS 50c—Carnouex \$1.00 pair—Columbian Wyandotte pullets \$1.00 each. J. J. Pauls, Hillsboro, Kan.

PURE BRED Bourbon Red Turkeys, White and Buff Orpington, Partridge Rock chickens. A. M. Farmer, Pratt, Kan.

CHOICE White Langshan, White Orpington cockerels; vigorous birds, \$2.00 to \$5.00. Mrs. Chloe Brooks, Harrisonville, Mo.

43 VARIETIES, Poultry, Pigeons, Ducks, Geese, Turkeys, Guinea, Incubators, Dogs. Catalogue 4 cents. Missouri Squab Co., Kirkswood, Mo.

THOROUGHbred Bourbon Red hens \$3.00, toms \$3.50. Also American Standard Runner drakes, \$1.00. Mrs. Bertha Fortney, Clyde, Kan.

THOROUGHbred Bourbon Red hens \$3.00, toms \$3.50. Also Silver Laced Wyandotte cockerels \$1.00. Mrs. George Sewart, Hollis, Kan.

FOR SALE—Mammoth White Holland turkeys, mammoth Toulouse geese, White Indian Runner ducks, Barred Rock cockerels. Eggs in season. Mrs. W. U. Stevens, Paradise, Kan.

## More Silos Around Horton.

"More silos would have been built in my neighborhood this season had we been able to get contractors to build them," said F. H. Belden of Horton, Kan. I managed to build one, but not the kind that I wished. I built a wooden silo with a capacity of 130 tons, and filled it with corn."

## Give Colds Quick Attention

## CHEAP ROUP PREVENTIVE.

This time of year colds may develop into genuine roup unless given prompt attention. They are caused by the flock roosting in a house which is fairly warm at night and going out into the colder air on chilly mornings. If the cold is permitted to develop into roup, treatment is difficult. The first symptoms, watery eyes and a running nose, may be quickly and easily cured. A simple treatment for the entire flock is to color the drinking water a strong purple by using crystals of permanganate of potassium which can be bought at any drug store. It is a cheap preventive. A piece the size of a pea is plenty for a quart of water. When the cold becomes so pronounced that the head begins to swell and the fowl wheezes when it breathes, it should be taken from the flock immediately and confined in a dry room not exposed to drafts. Grease the heads of these sick birds with carbolated vaseline. Then fill a small oil can with a mixture of equal parts of kerosene and olive oil into which has been mixed a few drops of a good disinfectant and use the oil can to inject this mixture into the nostrils of the sick birds. Even genuine roup may be cured.

At the Mail and Breeze Poultry Experimental Farm the flock has escaped all the usual fall diseases this year, except a few slight colds among young stock.

## This Plan Develops Layers

## [Prize Letter.]

Mr. Editor—During December and January I go to the chicken coop frequently and with scissors clip every hen on the nest. I clip them on side of neck where it will show plainly. Then in the spring we yard these with the best males, and set their eggs. In this way we increase the supply of winter eggs. My first attempt satisfied me that it paid, as the 50 selected and yarded hens laid as many eggs, and sometimes a few more, than the 100 running at large. The 100 laid 20 per cent more during April, but all the rest of the time the 50 were in the lead. The care and feed were the same.

Mrs. F. H. Holmes.

Monument, Kan.

## Feeding Shed For Layers

Mr. Editor—A good shed 12 feet by 20 is about the right size for a feeding pen for the average flock. I cover the floor with 6 inches of oat straw. In the morning in cold weather we feed a warm mash, and about 9 o'clock some cracked corn. I throw the bran on the straw so the birds will have to work to get it. We feed another mash about 3 o'clock, and about 6 o'clock some kafir. I give them plenty of water. This method of feeding is good for I get the eggs.

Downs, Kan. C. L. McComas.

## Poultry Show Calendar

## SEND IN YOUR DATES.

## KANSAS.

Bellare, December 29-31—Secretary, O. T. Vinsonhale.

Manhattan, December 29-31—Secretary, N. L. Harris; judge, John C. Snyder.

Atchison, December 29-January 3—Secretary, G. W. Tinsley; judge, R. V. Hicks.

Smith Center, December 31-January 3—Secretary, O. T. Vinsonhale, Bellare, Kan.; judge, John C. Snyder.

Independence, January 5-10—Secretary, L. H. Wible, Chanute; judges, Rhodes, Snyder, Hicks, McClaskey, and Seylor.

Hutchinson, January 5-10—Secretary, W. D. Powell; judges, Hemlich and Atherton.

Wichita, January 12-17—Asst. secretary, Mrs. H. J. Freeman; judges, Thompson and Campbell.

Leavenworth, January 20-23—Secretary, C. M. Swan; judge, F. H. Shellabarger.

## OKLAHOMA.

Shattuck, December 22-26—Secretary, Tack Norfleet; judge, John C. Snyder.

Durant, Jan. 9-10—Secretary, Stillwater (A. and M. College), January 12-18—Secretary, Loyal F. Payne, Stillwater.

Tulsa, January 12-18—Secretary, Mrs. Rufus White, Sapulpa.

Enid, January 26-31—Secretary, I. W. Sherick; judges, Rhodes and Emry.

## Jewell Wishes a Demonstrator.

The banks of Jewell county have put up a guarantee of \$500 and are busy getting 100 farmers who are guaranteeing \$5 each to employ a farm demonstrator. Jewell county will probably have a demonstrator in 1914. A letter received from the Kansas Agricultural college says they have put Jewell county down for a demonstrator next year.



## Cold Weather Care and Feed

How a Mail and Breeze Reader Gets 3-Cent Eggs

BY MRS. BETH CAMP  
Bronson, Kansas

I BELIEVE any laying strain of birds fed and properly cared for will bring good returns as winter layers. Naturally some birds or strains are better than others. My choice of breeds is the Silver Wyandotte. I have been breeding for winter laying for several years and have obtained good results.

If my hens have had a late moult it is sometimes necessary to feed two or three weeks before there is a response. But I am not easily discouraged for I have raised and cared for poultry since I was quite young, and know about what to expect.

Here are some of my feeding methods: At night I set a roasting pan filled with shelled corn in the oven. By the time breakfast is ready next morning the corn is nicely browned. As soon as this corn is partly cooled I feed it in the litter. Warm water is set in a place that is sheltered from the wind and about 10 o'clock I give the hens a drink of warm milk.

### A Warm Dinner.

At noon I make a warm mash of potato or apple parings, or any cooked vegetable, and mix in enough wheat bran to take up the moisture. About twice a week I add some meat scraps to this meal. Rabbits dressed and chopped up, bones and all, are good, cooked or uncooked. Alfalfa or clover leaves are used in this mash quite frequently.

At 4 o'clock I feed kafir in the head, always outside unless it is very muddy or there is snow on the ground. I feed it in a place sheltered from the wind, and give them all they will clean up nicely.

I have one house 8 by 20 feet, made of barn siding with cracks battened, lumber floor, glass windows, and opening on the south. The window opening in the west end is covered with canvas. The dropping board, full length along the north side, is 2 feet from the floor. The roosts are 6 inches above the board. Nests are 18 inches from the floor along the south side, leaving the entire floor space for scratching.

### The Roosts and Nests.

Another house is 12 by 20 feet, of barn siding, with bats over the cracks. It has a dirt floor, two windows in the south, an opening below each window, 16 inches by 3 feet, covered with canvas in winter, and a large door in the east end. Roosts are on frames 3 feet high and occupy about 8 feet of the west end. A board a foot wide placed edge-wise on the floor just outside of frame keeps droppings from becoming mixed with litter. Nests along each side are 18 inches from the floor.

Cleanliness is very important. We must give our fowls a clean place to live if we expect them to do well for us. I sprinkle ashes liberally on dropping board and under the roosts. We clean the poultry house, not once a month, but every few days when it seems to need it. With a light shovel, and old galvanized wash tub, one can make everything look neat and clean in a few minutes. It is not such a very disagreeable job, either, if done often. The tub is emptied on the potato patch or taken to a field with the manure from the barn. Whenever the litter looks soiled and worn, it is all taken out, the dust swept from the floor and new litter put in. Clover hay, wheat or oats straw or even prairie hay is good. Keep grit and broken shells accessible at all times.

I am rarely troubled with mites or lice though I am always on the watch for them. I soak the roosts with cheap coal oil, if at any time we think it is needed.

### Good Shelter Prevents Ills

Mr. Editor—I find coal oil excellent for roup in chickens. I wash the heads with the oil and give a few drops to each bird. The best "remedy" for roup is a preventive. Don't allow chickens to roost in a draft. A foot of protection alternated with a streak of ventilation does not make a good shelter. Arrange for fresh air where it will not blow directly on the birds, and keep the build-

ing dry. Batten the cracks or cover with paper if nothing more substantial is at hand.

R. I. Froy, Kan. J. F. Moser.

### America's Best Corn Growers

Among other achievements the year 1913 produced a new champion corn grower. He is an Alabama lad, still in his teens—Walker Lee Dunson of Alexander City. His yield on a measured acre was 232.7 bushels and the U. S. Department of Agriculture vouches for the correctness of the record. The total cost of growing this phenomenal crop averaged 19.9 cents a bushel.

By this feat young Dunson displaces Jerry Moore of South Carolina as the nation's champion corn grower. Two years ago, at the age of 14, Jerry made his famous acre yield of 228.75 bushels of corn, at a cost of 42 cents a bushel. This stood as the record until Dunson's yield was verified recently.

Other good acre yields made by boy corn growers are reported by the Department of Agriculture as follows: Jones Polk, Prentiss, Miss., 214.9 bushels; Ray Cameron, Kinston, N. C., 190.4 bushels; Arthur Runft, Reinbeck, Ia., 136.70 bushels; Elbert Cast, Rush Springs, Okla., 100.79 bushels; Jesse Correll, Cambridge, Neb., 90 bushels;

two cows from a pit of this size. Four pits of this size, 15 feet deep instead of 10, would winter two cows on full feed, keeping them for from 175 to 200 days.

This pit cost me about \$4 and a 15-foot pit could have been made for \$5 in our soft, sandy earth. I think that the village people in western Kansas who want to keep one or two cows, can save one-half or more on the feed by using these small pits. They would also be of value to the poor homesteaders who have only one or two cows. The pit silo is the thing which will put the dairy business of western Kansas upon a sound basis and we cannot urge it on the farmers too strongly.

H. Willis Smith.

Garden City, Kan.

[Perhaps the term "commelina" will be a new one to some readers although it is not a new feed plant. It is an herb belonging to the spiderwort family, having fibrous or thickened roots, and branching, leafy stems. There are a large number of species, most of which grow wild.—Ed.]

### A Big Fair for Wilson

The Wilson Intercounty Co-operative Fair association was organized recently by the election of a board of 10 directors, including A. D. Jellison, C. L. Danner, W. E. Schermerhorn, L. G. Brown, G. L. Levitt, C. H. Deissroth, W. S. Baxter, John Dlabal, H. W. Weber and Lud Zaloudek.

The movement to organize a fair was started a month ago when a meeting was held and committee on organization appointed. A recess was taken to give an opportunity to those present to subscribe to the capital stock of the association. In 15 minutes, at a recent meet-

## A Challenge From the Boys

In the Top-Notch Farmers' Club the best acre-yield of corn so far reported this fall is less than 40 bushels. In the Capper Boys' Corn Contest a yield of 61 bushels and 60 pounds, grown by an 11-year-old Douglas county boy, took the first prize. Another boy in the club grew almost 61 bushels and a third husked 54 bushels from his measured acre. Are the Kansas dads going to let the boys beat them at the corn-growing game?

Unless some of the grown-ups can surpass the boys' high record, the silver cup for the high yield of corn this year in Kansas will go to the high man in the young crowd of corn farmers.

The Farmers Mail and Breeze wishes to have the names of all the men who got better than average yields of corn, kafir, milo, or alfalfa this year on one or more acres of Kansas soil, in order to find the farmers who are entitled to the six silver cups soon to be awarded for best yields with these six standard crops. The entry list will close in a few days.

Walter Pflug, Papillion, Neb., 84 bushels, and Wallace Mitchell, Hecla, S. D., 73.50 bushels.

Aside from winning the free trip to Washington, Jesse Correll also took the prize of \$50 for the best Nebraska acre yield in the Capper Boys' Corn club.

### A Place For the Small Pit Silo

Mr. Editor—I have been carrying on a little pit silo experiment which may be of interest to some western Kansas readers. After filling my large pit silo this fall I had some sorghum, cowpea vines, commelina and sugar beet tops left. I decided to make a very small pit and try putting some silage away where I could get it to feed to an old toothless cow before the large pit was opened.

I put in a good curb 3 feet in diameter, inside measurement. Then I dug my pit 10 feet deep, plastered it with three coats of rich cement and smeared it with a cement wash. I filled this pit part way with a mixture of sorghum and cowpea hay, then sorghum and commelina and finished with sorghum and beet tops. The sorghum was about half dry. When the pit was filled, after it had settled for 24 hours, I put some old canvas over the silage and weighted it with about 18 inches of sand.

A short time ago I opened the pit and found about 6 inches of mouldy silage. The rest of it seems to have kept very well. The beet tops were green when cut and so got very sour. I think they should have been about two-thirds dry before being put in the silo. The commelina kept well and provides a valuable protein constituent.

To get best results one should feed

ing, \$1,500 was raised, and nearly all the money necessary to take up the \$5,000 in capital stock has either been pledged or is in sight. And this comes on the heels of a bad year in this section of Kansas.

The association includes parts of four counties—Ellsworth, Russell, Barton and Lincoln—Wilson being located near the boundary line between Ellsworth and Russell and also near the lines of Lincoln and Barton.

A fair will be held probably in September, and grounds for the same will be put in order between now and the opening date. The promoters of the fair have ideas that may depart from the stereotyped form of county fairs and these will be tried so far as practicable.

### A Vote For White Flint Corn

Mr. Editor—I have farmed here in eastern Colorado for five years. I have tried milo, kafir, and Jerusalem corn, and still grow them. But for good fodder and a sure crop I never have found anything to beat Australian white flint corn. It yields more grain than the sorghums, the fodder is relished more by stock, and you get more of it on the same amount of ground. There are no barren stalks, and some stalks have as high as three ears on them. It is good grain for all stock and poultry. It is as soft as any dent corn I ever raised, and does well in a wet or dry season.

R. I. Vona, Colo. C. E. Robel.

More than 800,000 horsepower has been developed from stream on national forests under government regulation. This represents the output under conditions of lowest streamflow.

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The new issue of the famous Old Trusty book is now ready to mail. Send Johnson your name and get the bedrock facts on making profits with chickens. Learn how Johnson started half a million people the simplest and easiest way with his

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No other maker can come within \$4 or \$5 of Johnson's 1914 prices on this highest quality hatcher. And Johnson pays freight. Orders filled the day received—90 days trial. You succeed or trade back. Write at once for new book whether you start now or not. Address

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New 1914 Catalogue of the

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Here is a book which will surely prove of interest and value to every poultryman. It contains some startling facts about the incubator business and it is pretty sure to save you a whole lot of money if you are in the market for a new incubator. It illustrates and fully describes the new 1914 model Safety Hatch—the one different incubator—the incubator that has features and advantages possessed by no other incubator ever built. The Safety Hatch is sanitary, fire-proof and safe. It is growing in popularity every year simply because it is making good wherever it goes. More than 6,000 were sold last year. It is a better incubator this year than it ever was before. It is made in all sizes and sold direct to you at prices such as were never before quoted for the same amount of quality. You should investigate the Safety Hatch before you invest a dollar in any other incubator. Send your name for the free catalog today. Address

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Not cripples or weaklings. They come big, strong and vigorous when hatched in the

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Simple, honestly built, self-regulating. "Temperatures did not vary more than one degree during entire hatch," says W. H. Gray, Canfield, Ohio. See the low-priced 1914 Queen. You cannot buy an incubator, at any price, that will do better hatching for you. Send for free catalog now.

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275,000 poultry raisers are making money the Belle City way. They tell you how in my new Book of "Hatching Facts." Free to you. Illustrates in actual colors my 8-Times World's Champion Belle City. You get an exact duplicate of the prize winning World's Champion machine. Backed by my Money-Back Guarantee. Jim Rohan, Pres. Belle City Incubator Co., Box 21, Racine, Wis.

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Outliving expenses—increasing your income. Thousands make money this way with

**SUCCESSFUL INCUBATORS**  
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Life Producers—Life Preservers  
High-grade poultry—all leading varieties.  
Why don't you do the same? Learn how easy it is to start. Booklet "How to Raise 48 out of 50 Chicks"—10c. Catalogue FREE. Write today. Address

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**400,000 Settlers a Year**

Immigration figures show that the population of Canada increased during 1913, by the addition of 400,000 new settlers from the United States and Europe. Most of these have gone on farms in Manitoba, Saskatchewan and Alberta.

Lord William Percy, an English Nobleman says:

"The possibilities and opportunities offered by the Canadian West are so infinitely greater than those which exist in England, that it seems absurd to think that people should be impeded from coming to the country where they can most easily and certainly improve their position."

New districts are being opened up, which will make accessible a great number of homesteads in districts especially adapted to mixed farming and grain raising.

For illustrated literature and reduced railway rates apply to Superintendent of Immigration, Ottawa, Canada, or to the Canadian Government Agent.

**Geo. A. Cook, 125 W. 9th St., Kansas City, Mo.**

**60 FARMS IN WESTERN CANADA FREE**



## Ten Sheep Sell for \$10,800

**But They Were Karakules and Worth the Price—Is There a Soapweed Trust? Coburn to the Rescue**

WHAT is, doubtless, the most valuable wagon load of sheep ever shipped from Kansas was hauled to town by Al Murdock, manager of the 1,700-acre sheep farm of L. M. Crawford on Bloody creek, near Cottonwood Falls. The sheep were thoroughbred Karakules; there were 10 in the bunch and they sold for exactly \$10,800. A. M. McNinch, a fur grower of Nova Scotia, was the purchaser, and he is buying them for the purpose of stocking sheep farms in that country.

The Karakule sheep is a native of the mountainous regions of central Asia, and because of the great value of their fur, which is a thick, glossy black or very dark pelt, they are greatly prized among furriers of all countries.

### Soapweed Is a New Crop.

In the market for soapweed? Woodsdale, Kan., is shipping soapweed to the eastern markets, but the farmers say they are not getting living wages from the sales. Morgan & Combs, grocery-men, are acting as agents; they pay \$2 a ton for green soapweed, and \$6 a ton for dry soapweed baled. Soapweed is used in making glycerine soap.

Secretary F. D. Coburn has been asked to help put Kansas on the commercial map by J. C. Gerrod, president of the Hugoton State bank.

"I thought you might be able to find men who would use these soapweeds and be able to pay better prices for them," wrote the western banker to the secretary of the state board of agriculture. "If we could do that, it would furnish employment for a good many men and their families, this winter, and they need it."

### Two Counties Without Alfalfa.

Only two Kansas counties, Haskell and Morton, did not raise enough alfalfa in 1913 to be mentioned in the report of the state board of agriculture. The report shows the total acreage for the state to have been 1,026,299; the value of the seed crop alone being estimated at 8½ million dollars.

The greatest yield of alfalfa seed was in Jewell county, with 126,238 bushels, although Butler and Cowley each had a larger acreage. Butler cut 21,000 acres and Cowley 21,700 acres, while Jewell harvested 18,034 acres, with an average yield of 7 bushels, which is exceptionally high for such a large acreage. The report also shows the acreage for hay crops for the year to have been as follows: Timothy, 256,036; clover, 149,313; bluegrass, 195,921; alfalfa, 1,026,299; other tame grasses, 58,073. The tame hay production in 1912 aggregated 1,692,655 tons, valued at \$18,526,763.

### Beet Crop Is Small.

The sugar making campaign of the sugar factory at Garden City has ended, and 31,000 tons of sugar beets were made into 7,700,000 pounds of sugar while the factory was in operation. Owing to the adverse growing season the beet crop this year was short, and the factory closed down earlier than usual. Despite this, the United States Sugar and Land company paid out more than \$150,000 to the farmers who raised sugar beets.

The sugar beets used in the factory were grown in Greenwood, Chase, Lyon, Pawnee, Hamilton, Finney and Kearney counties. The officers of the factory are doubtful of the future of the sugar making business with sugar going on the free list, but with the million dollar factory on their hands they will keep going as long as possible, and will make contracts for beets in 1914 with the farmers.

### To Encourage Vegetable Growing.

The Santa Fe railroad lately has encouraged organization among farmers along its lines in territory especially adapted to vegetable growing, by offering a special service for this class of traffic. Parts of the Arkansas valley in Colorado, Kansas and Oklahoma, and the Kaw valley are regarded as high class vegetable territory, and some demonstration work will be done therein

this winter. Following a campaign in Colorado, 11 communities of truck growers formed co-operative associations. The Santa Fe has planned to hold a series of meetings in the Arkansas valley from Garden City to Arkansas City some time in January, and in the Kaw valley later.

The Santa Fe has found that vegetable growing is a small farm proposition. The farmer who operates a quarter section or more land will not take much interest in truck gardening.

### Keep Back the Water.

Dikes are to be resorted to by farmers along the Republican river near Junction City to protect their land from floods and also to prevent the banks from caving in and washing away. At the Kennedy farm a force of men is at work and the steep river bank is being cut down to a slope. After this part of the work is completed the dikes will be made of large trees, and an effort will be made to throw the water back into its original course near the other bank of the river. A number of the farmers have lost many acres of land within the past few years, because the river has changed its course and washed the banks away.

### Gathering Bones at McPherson.

Some time ago John Seaberg and Pete Neufeld of McPherson, Kan., conceived the idea that money could be made by gathering up old bones and shipping them east. They got busy and gathered up all the bones they could find in the neighborhood. While they have only been devoting their spare time to their task they have obtained 15 tons—a carload. The car will go to Indiana, where the consignment will be ground and sold as fertilizer. All the bones were gathered within a radius of 10 miles of McPherson. The oldtimers say that this is the first time bones have been gathered in this neighborhood for 25 years.

### Colby Station Is Selected.

W. M. Jardine, dean of agriculture in the Kansas Agricultural college, recently located the new Colby Branch Experiment station on a farm near that town. The state has bought the Ike W. Crumley and W. S. Ferguson farm. This farm surrounds on two sides the beautiful Thomas county high school building, and it is expected that as agriculture is being taught in the high school this farm will furnish ample demonstrations right in plain view from

the windows of this school to the pupils. It is also located on the Golden Belt route, where thousands of autoists pass every season, and in plain view from both the Union Pacific and Rock Island railroads. The location of this station could not have been bettered in this county, and the people are well pleased with the result of Mr. Jardine's visit.

### Straw Smothered Seven Steers.

Seven head of cattle belonging to Richard Jacoby, a farmer living six miles south of Winfield were smothered to death recently by the top of a straw stack falling upon them. The stack had been a large one, and had been built up high in order to preserve the straw. Stock had been running to it since early in the fall, and had eaten it around the bottom several feet, making it top heavy. It is supposed the cattle had laid down for the night and when the straw tumbled over on them they were held down by its weight, and could not get up. Mr. Jacoby estimates his loss at nearly \$1,000.

### Better Farming for Wichita.

The Wichita Business association, the Cudahy Packing company and the Rock Island officials are working on plans for a farm, to be located on a tract of 40 acres just north of Wichita. The railway company has agreed to furnish a superintendent to conduct the farming operations. In dry weather water from the tanks of the packing plant will be used to irrigate the crops.

The initial expense of the model farm will be borne by the Business association. It is believed that enough vegetables will be grown and sold to pay all operating expenses.

### Franklin County's Credit Plan.

If the plans of the Franklin County Retail Merchants' association are carried out this county will have one of the most unique credit and booster organizations in the state. At the meeting of the Franklin County Farmers' institute at Ottawa recently President L. C. Jones of the retail merchants invited every farmer in the county to join the association. A farmer will be admitted to membership on the payment of a nominal fee, and will be entitled to a vote, as is every Ottawa member. The Franklin county association will be modeled after the Grundy County association in Missouri.

Recently the boosters of Trenton, Mo., invited the farmers to join and they responded heartily. The Franklin County association will have a banquet or picnic every year, when both the farmers and merchants will get together, and the farmers are asked to attend the regular bi-monthly business meetings of the association.

Sixty members of the merchants' as-

sociation showed their willingness to co-operate with the farmers last Wednesday by joining the Farmers' institute.

### Salina Carriers Are Busy.

The six rural mail carriers out of Salina delivered to their patrons more than 100,000 pieces of mail matter in October and November, amounting to six tons in weight, according to the report of Postmaster George M. Hull. The largest number of pieces handled was on Route No. 1, amounting to 21,970 pieces, weighing 2,639 pounds. The smallest number was on No. 6, totaling 11,310 and weighing 1,330 pounds. These two months are believed to be record breakers in the Salina office.

### Better Roads at Abilene.

The farmers of Grant township, near Abilene, have begun on a \$3,000 task of remaking the road from the city limits to the Smoky Hill river, covering a wide driveway for more than a mile with gravel and changing the worst road in the county to a first class boulevard. Private subscribers of the city gave \$600 toward the expense and the county will pay one-third of the cost. The sand hill road between here and Solomon on the Golden Belt is being remade, and sandy places covered with clay by the Solomon workers. It will be a model road by next season.

### To Eliminate the Middlemen.

Beginning about two weeks before Thanksgiving day a number of enterprising farmers and farmers' wives about Topeka placed small advertisements in the classified columns of the daily papers offering fat young turkeys and geese for sale direct to the consumers. Usually the orders were taken over the telephone, and then the turkeys and geese were delivered a day or two before Thanksgiving. The farmer got more for the birds than the poultry dealers would have paid him, and the consumer got a bird direct from the farm at a price considerably lower than the same quality of birds were selling at the butcher shop.

The same system also was used with good success at Christmas.

### A Successful Social Center.

In school district No. 45, five miles south of Wellington, Kan., the Lovett community house closed recently its first year of work as a farmers' social center. A school room, a cement-floored kitchen, a dining room and work room are included in the \$8,000 brick house. Non-denominational Sunday afternoon meetings, basket dinners, picnics, a community lecture course, baseball and basketball teams and community business meetings—these are the activities which center at the Lovett community house.

The Rev. W. M. Elledge, a Wellington Congregational minister, is religious head of the community, and his non-denominational sermons fill the building's 26 by 36 schoolroom every Sunday afternoon. Funds for the building's erection were raised through popular subscription, socials and lecture courses. Women of district No. 45 gave the pictures. The building is modern and is heated by natural gas, but has its own lighting system.

### More Silos for Ottawa.

H. E. Kay is a prosperous young farmer of Ottawa county, Kansas. Realizing that the silo would prove a great benefit to him in handling stock, Mr. Kay erected one this year, and filled it. He was about the first to build a silo in his neighborhood. This week Mr. Kay brought in a carload of short fed steers that had been fed on silage, corn and cottonseed meal, which he stated had done just a little better than any cattle he ever fed.

"I would not be surprised to see 50 silos go up in my neighborhood next year," Mr. Kay said. "This is the one sure way to reduce the cost of wintering stock cattle, also in full feeding cattle intended for market. The time has come when the farmer must reduce the feed expense. Unless this can be done we will find ourselves up against a hard proposition. Every farmer who handles any cattle, ought to raise every bit of feed right on his own farm, instead of importing it. When we have plenty of silage, and raise our own corn, we will have gone a long way toward reducing the feeding cost."

## One More Commission

When duplications were complained of in the state educational institutions a few years ago—but particularly two years ago—a commission was appointed to investigate. That commission reported against the "One Board" idea, saying:

It would be fatal, the commission believes, to create conditions in Kansas which have so utterly destroyed the institutional efficiency of other states, militated against harmony, and in general have produced unrest amounting in most cases to demoralization in the instructional body.

But the One Board idea prevailed, it doesn't matter why or how, and what is improperly called the board of administration was appointed.

This board has been in office about one year. It has wobbled around from one institution to another, abolishing and creating to its own satisfaction, and causing all sorts of unrest. To an amazing degree it has impaired the efficiency of the agricultural college, the university and the normal schools. It has, indeed, done exactly as every other "One Board" has done in every state where the plan has been tried—proved its inadequacy. This refers of course, to the board as an institution and not to its personnel. The members are merely officeholders, and anyone unable to earn \$3,500 in any other way would be mighty glad to get this share of the spoils. These are three corking good jobs.

And now after all this disturbance, a special commission of six educators has been appointed—another commission—once more to eliminate unnecessary duplication in the institutions. Before long, doubtless, a commission will be appointed to eliminate unnecessary duplication of commissions and farther along another may be expected to correct the mistakes of the whole lot.

The truth is that the latest set of six comes much nearer the ideal board than anything attempted since the regents were unwisely displaced, and someone has discovered the fact. We now have at least five competent heads of great schools conferring for the common good of all instead of three iconoclasts floundering about over the state, guided only by the power that put them on the payroll. The chances are that the heads of these schools may be able to overcome some of the regrettable mistakes the board of administration has made. It may do this—but it will be a severe strain.



# Kansas Fruit Growers Meet

There Is Much Complaint Among Missouri River Valley Apple Raisers in Regard To the High Freight Rates

KANSAS fruit growers believe they should have lower freight rates. This was shown in the discussions at the meeting of the Kansas Horticultural society at Topeka last week, from Wednesday until Friday. The matter was brought before the society by Albert Dickens, professor of horticulture in the Kansas Agricultural college. A committee was appointed to take charge of the railroad rate business in which the society was interested.

The unfavorable charges on fruit shipments do not apply to Kansas alone; the high rates on this class of freight apply to all the Missouri valley. E. M. Pollard, Nehawka, Neb., the president of the Eastern Nebraska Fruit Growers' association, is representing the Missouri valley growers in the fight before the Interstate Commerce commission, and the Kansas Horticultural society voted to pay its share of his expenses.

There was much complaint about the rates on combination cars. The grower who ships two classes of fruit in a car, say a half carload of potatoes and a half car of apples, in Kansas has to pay for two cars, even if less than a carload of both was shipped. This is unjust, according to the growers. F. W. Dixon, of Holton, has had occasion to ship cars of this kind many times, and he has lost considerable money on the overcharge.

Said Mr. Ahern:

The session of the society was opened Wednesday by the reports of the trustees for the eight districts of the state. These reports covered the fruit conditions for the year. They indicated that the fruit growers who used good methods made fair profits in 1913, but that the inefficient farmers hardly paid expenses. This is especially evident in the apple growing sections of northeastern Kansas. Around Wathena, for example, the men who sprayed their orchards grew good crops, but the unsprayed trees produced almost no fruit that was worth packing; some of them yielded but few bulk apples.

M. F. Ahern, associate professor of horticulture in the Kansas Agricultural college, spoke on "Shrubs and Hardy Perennials." He called special attention to the fact that Kansas has a larger number of plants adapted to home planting than are available in the eastern states where some beautiful plantings may be found. In the planting of shrubs about the home, they should not be arranged in straight, formal lines; the aim should be to copy after nature, and have them in irregular masses. Professor Ahern said that the condition of a farmer's home and surroundings usually was a good index to his character.

How the apple growers of Doniphan conquered the extremely dry weather and made money in a season admittedly one of the worst in the history of Kansas was told by J. H. Merrill, assistant entomologist at the Kansas Experiment station at Manhattan. Also the story of Entomologist Merrill and his work apparently is a vindication of the county demonstration agent theory.

Doniphan County's Work.

Two years ago Doniphan county orchardists were about ready to give up in despair. Orchards were being attacked with the axe by the wholesale. The Agricultural college then took a hand. Mr. Merrill was sent to Doniphan county as a demonstration agent, with his salary and expenses paid by the state. He did not tell of his work in his address before the Horticultural society; he only told of the results.

Good spraying and pruning are the main ways to success in orcharding, according to Mr. Merrill.

"While there is a state law compelling spraying for the San Jose scale," he said, "better results can be obtained by awakening an interest in orcharding in general. The department has had this in view in its work in Doniphan county. The man who sprayed his orchard raised better apples than his neighbor.

"The next step was pruning. These old orchards had seldom, if ever, been pruned. Pruning was considered heresy. The summer of 1913, as every one

knows, was a hard one on all living things, but it demonstrated the advantages of modern methods. Those who did not spray orchards had no apples at all. Those who sprayed made good money.

"George T. Groh is one of the pioneers of modern orcharding in Wathena. He has 550 trees. In 1912 he began spraying. His best previous record had been 750 bushels of bulk; in 1912 he had 4,200 bushels of sound fruit and 2,000 bushels of bulk. He received \$1,670 for his crop. In 1913 he received \$3,386.11. In other words, he received \$6.09 from every tree, or \$300.45 an acre. Adam Groh received \$2,067 from 450 trees or \$229.67 an acre."

J. L. Pelham, the manager of the Underwood Orchards at Hutchinson, told of the troubles of the man who has to manage a commercial orchard in this state. O. F. Whitney, a small fruit grower of North Topeka, read a paper on "Gardening." He believes that the truck growing business has a good future in Kansas. Mr. Whitney also thinks that as the country gets older, the farmers will give more attention to the home gardens.

D. E. Lewis, assistant horticulturist at the Kansas Agricultural college, told of the work the college had done with potatoes. The experiments there have indicated that a soil should be high in potash and phosphorus for potatoes, and that it should have a moderate amount of nitrogen. The tests at the college have shown that clover and alfalfa are very poor crops to precede this crop. Where there is such a great amount of available nitrogen in the soil, the potatoes tend to make a great growth of vines, but the yields are light. Special attention was called by Mr. Lewis to the importance of spraying potatoes.

The officers of the Kansas Horticultural society for the coming year will be: President, J. T. Tredway, La Harpe; vice president, B. F. Smith, Lawrence; secretary, Walter Wellhouse, Topeka; treasurer, Edwin Snyder, Topeka.

These are the trustees for the coming year: First district, W. R. Martin, Wathena; second district, B. F. Hancock, Iola; third district, F. L. Kenoyer, Independence; fourth district, C. C. Cook, Eskridge; fifth district, Albert Dickens, Manhattan; sixth district, J. J. Alexander, Norton; seventh district, E. E. Yaggy, Hutchinson; eighth district, F. E. Wickham, Wichita.

## Let Renters Keep Cows

Mr. Editor—It is not so easy for a renter to get a start in the farming game as it was in the past. It was not so very long ago in the section around Kinsley that a renter could get a good farm by paying one-fourth grain rent, and in addition he would be allowed a large pasture free. Every family then had its herd of cows, and enough usually was made from the butter sold to the stores to buy the groceries for the family. There also was plenty of skim-milk for the pigs.

There has been a big change, however, with the increase in the price of land. Now landlords wish to have every acre plowed and put in wheat. Many of the owners do not wish to have any feed crops grown. This condition is making the renters depend on the wheat crop as almost their only source of income, which is not certain. Cream and butter are certain—with these lines there is some income, at least. There has been a great increase in the mortgages on wheat crops since the wheat acreage has increased. This makes it so that when we do have a good wheat crop most of the renter's share must go to pay debts, which would have been paid if he had been allowed to keep cows. Then the landowners are demanding a larger rent than formerly, also, as most of them now are receiving a third of the crop. An increase in dairying would aid materially in the prosperity of this section.

W. P. Nichols.

Kinsley, Kan.

The spring time of learning comes in the long winter evenings. Don't let your plow go to rust, by disuse; keep it shining.

# Uncle Sam's Finest Irrigation Project!



Uncle Sam is building the Elephant Butte Dam, in Southern New Mexico, 81 miles above Las Cruces, the largest irrigation project in the world. You know that he was certain that every condition for irrigation farming—land, markets, etc.—was JUST RIGHT before he O. K.'d a \$10,000,000 expenditure on this project.

Uncle Sam stands behind the Elephant Butte Water Users' Association, which has options on land and sells it at a fixed price—no sliding scale. This association of farmers wants to insure a square deal to every man who comes here. The State Agricultural College is right here, with men expert in irrigation methods, offering you practical co-operation FREE. Water rights for first ten years will be approximately \$4 per acre per annum—after that FAR less, for the farmers themselves will then own the project outright. A year and a half from now he giant project will be in operation—but you don't need to be told that the biggest opportunity is now, when you have the choice of the best lands and locations.

## OVER 60,000 ACRES NOW IRRIGATED

By community ditches; and there are good markets, towns, etc. You can begin making money NOW. F. H. Walter, in the Rincon Valley, got 45 bushels wheat per acre, netting \$35 per acre. W. C. Wilkins, in lower Mesilla Valley, got 60 bushels corn per acre. J. Queensberry, near Las Cruces, netted \$79 an a. by following barley with milo maize.

## FIND OUT ALL ABOUT THIS.

Don't wait another day. Mail a postal card today, and let the farmers here tell you what crops they are getting, etc. You know that nothing can beat irrigation farming where conditions are right—and every condition is RIGHT here.

Elephant Butte Water Users' Association, Box 73, Las Cruces, New Mexico.



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Blaugas is made in the city and shipped to the user in steel bottles—for lighting and cooking purposes. You will want to know about this wonderful Gas; how it is used and how it reduces the expense of lighting and cooking; how it saves the work of caring for lamps and kindling and feeding kitchen fires. Gas is the cheapest, cleanest, hottest cooking fuel known. Blaugas is positively non-poisonous—the only gas suitable for domestic purposes that any one can use anywhere—and it's the cheapest, cleanest gas produced by any process. Cut out the coupon and send it today for Blaugas booklet and full information.

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Gentlemen: Without obligating me in any way you may send me full information about BLAUGAS—the wonderful "Gas" for cooking and lighting.

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One application of my Processed Crude Oil will do more to rid your stock of lice and cure them of mange than three applications of any other preparation on the market, for the reason that it kills the nits as well as the lice, and remains on your stock for so long that it thoroughly cures them. Put up only in 32 gallon barrels, and sold for \$5.00 per barrel. Why pay \$1.00 per gallon for a dip when you can get the best for less than 10¢ per gallon? My PURE CRUDE OIL is an excellent lubricant for all kinds of farm machinery and for painting farm tools to keep rust off. \$4.00 per barrel of fifty-two gallons. See my advertisement of refined oils at wholesale prices in next week's issue. Send cash with order. Address C. A. Stannard, Box M, Emporia, Kan

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Dent and Boone County White, fire dried, tested and guaranteed. Write for free BROWN COUNTY SEED HOUSE, S. G. TRENT, PROPRIETOR, LAWATHA, KANSAS

# SEND FOR YOUR PRIZE

E	S	D	N
O	R	F	Y
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Can you arrange the sixteen letters into four words? Try it and see. If you can, we will tell you how you may own a \$600 National Concert Grand Player Piano, or \$235 Harley-Davidson 3 H.P. Twin Cylinder Motorcycle or a \$60 "Crusader" Bicycle, or a \$45 "White Frost" Round Refrigerator, or a \$25 Gold Watch, Waltham Movement, or a \$20 Stevens Double Barrel Hammerless Shot Gun, or a \$15 De Luxe Kokus China Dinner Set—100 pieces, or a \$10 Silver Set of 26 pieces, or a \$10 Eastman No. 3 A. Brownie Camera, or a \$5 High Power Telescope; FREE OF COST TO YOU. The first and third words contain four letters each; the second word three letters, and the fourth five letters. Every person who answers, whether absolutely correct or not will be entitled to be considered in the awarding of the Grand Prizes in our Big Player Piano Contest, and for each correct word we will give you 250 FREE POINTS toward the \$600 National Concert Grand Player Piano and other Grand Prizes. If you guess all four words you get 1000 Free Points! Be sure and write your name and address plainly. FARM LIFE, Dept. M B, Spencer, Indiana

An animal gets just as tired of the same old thing for breakfast, dinner and supper as a man does.

The calf that has a dainty appetite is very apt to develop into a cow with a similar habit.



# A Plain Talk on Cow Feeding

What a "Balanced Ration" Is, and How to Obtain It

BY R. T. KIRK

Maple Grove Farm, Hoyt, Kan.

THE most economical feed for dairy cows is not necessarily the one that costs the least money, but rather the one that produces greatest net results in dollars and cents. A feed that will sustain the life of an animal and produce a small amount of milk is not a good one, neither is it economical. On the other hand a feed that is rich in fat alone and high in price is not economical or practical. It is necessary to combine the necessary kinds of feeds or elements to form a ration that is balanced, for a balanced ration or one as nearly so as possible, is the only feed that can really be called the most economical one.

During the summer months grass is the most economical feed because it contains all the elements necessary for the support of the body of the dairy cow as well as for the secretion of milk. Grass is the natural food for cattle and it would be pretty hard to improve on nature. But we should try to imitate her as much as possible by trying to produce a feed that will keep the body of the animal in a good thrifty condition and at the same time produce a good flow of milk. It is now possible to produce a feed for the entire year so nearly like the natural one that the results are about the same.

## As to Feeding Rules.

I am inclined to the opinion that many farmers have not given as close a study to the problem of feeding dairy cows as they should for two reasons: First, many of them do not understand the terms employed by scientists; second, there has not been much definite, practical information given which would command the respect and confidence of farmers.

All foods are divided into two classes with reference to bulk—roughage and concentrates. Roughage includes all the coarse portions of a ration such as hay of various kinds, fodder, silage and roots; while the term concentrates embraces all grains.

In feedstuffs the three groups of substances which must be considered in formulating a ration to secure the best results and therefore be the most economical are protein, carbohydrates and fat. Protein is the name given a group of materials containing nitrogen, sometimes called the nitrogenous group as opposed to carbohydrates, fat and ash which do not contain nitrogen. The function of protein is to furnish materials for the formation of lean flesh, blood, tendons, nerves, hair and the casein and albumen of milk. For the formation of these, protein is indispensable. Animals could not exist without it. It might be well to remember that no substance free from nitrogen can be converted into protein and it is therefore necessary for an animal to receive a certain amount of nitrogen in order to live, grow and produce milk.

Carbohydrates are made up of several substances usually divided into two groups, namely, nitrogen and free extracts which include sugar, starch and crude fiber. Coarse feeds, hay, silage and roots contain large amounts of crude fiber, while grain and mill stuffs contain little fiber but are rich in starch and sugar. Carbohydrates are either stored up in the body as fat, or burned in the system to produce heat and energy.

## What is Fat?

Fat is the material dissolved from a feeding stuff by ether and for that reason scientists generally allude to it as ether extract. It includes the fats, wax and the green coloring of plants. The fat of food is either stored up in the body or burned to furnish heat and energy, the same as carbohydrates only fat produces 22 times as much heat as carbohydrates.

It is necessary, therefore, that the most economical feed for dairy cows contain protein, carbohydrates and fat in proper proportions. Protein is found chiefly in the concentrates such as cottonseed meal, shorts and bran; carbohydrates chiefly in hay, fodder and silage and fat in grain. Protein, carbohydrates and fat must be combined in such a manner as to bring the best net results.

No set rule can be applied as different feeds contain different amounts of the three elements of food. It is necessary, therefore, that a dairyman have a general knowledge of the composition of feeds and then work out for himself the most economical ration. The ration must be balanced in order to be economical.

## Where the Silo Comes In.

The silo solves the problem of feed so far as carbohydrates are concerned and also of fat, if there is plenty of grain on the corn which is put into it. Protein must be supplied by the use of concentrates such as cottonseed meal or other mill stuffs. Cottonseed meal contains a greater amount of protein than other mill stuffs and is cheaper, judging by the percentage of protein that the several mill stuffs contain. Protein is also found in clover and alfalfa hay. Fat is best supplied by the use of grain.

Oats make a good dairy feed but contain more protein and less fat than corn. I think the most economical feed is to give all the silage each cow will consume, about 10 pounds of alfalfa and 1 pound of corn chop for each 4 pounds of milk produced. Those who have silage but no alfalfa can supplement the latter by feeding about 2 pounds of cottonseed meal mixed with the silage. Oats could be used instead of corn. To those who have no silage I can only say, "Get a silo." You cannot afford to raise stock without one.

Dairy cows differ a great deal, individually. Some will produce a great deal more milk than others on the same kind and amount of feed. That depends largely on their breeding and their power to convert the raw materials into the finished product. We should know a cow and feed her according to the amount of butter fat she produces, rather than by the amount of milk she produces. However, we should not overfeed, especially of the concentrates, for this reason: Each cow can consume feed to a certain point at a profit, and all feed consumed above that point would be a direct loss. A good cow may become a boarder by overfeeding, underfeeding, or through a poor selection of food stuffs. The remedy is to know each cow and know what to feed her.

## To Make the Butter "Come"

[Prize Letter.]

Mr. Editor—If all the women readers of the Mail and Breeze knew the value of rennet tablets for ripening cream in cold weather there would be less reason to dread churning day. These tablets can be bought at any drug store that keeps a full stock.

One fourth of a tablet dissolved in a little cold water and mixed with 2 gallons of cream an hour before churning, will save time and improve the flavor of the butter. It hastens the ripening of the cream naturally and is a better way to ripen it than setting it in a warm place and waiting for it to sour.

The farm wife's time is as valuable as that of any other worker on the place and she should avail herself of any means that will lighten and shorten her duties. As for myself, the rennet tablet and dairy thermometer are two of the most valuable time savers I ever possessed. I hope your readers will try them and be convinced.

Florence A. Richardson.

Topeka, Kan.

## Calves by the Skimmilk Route

I would like some suggestions from you as to how to raise calves successfully on skimmilk.—W. J. Kay county, Oklahoma.

The method which is employed at the state farm of the Oklahoma Agricultural college, is to allow the calves to take the mother's milk just once, in order to get the colostrum milk, which is essential to the health of the young animal. It should not receive anything more for 24 to 36 hours, and by that time it will be so hungry it will drink from the pail readily without having to give it the finger, at least not more than once or twice, until it gets a taste of the milk. The plan is to give only

whole milk—about 3 pounds—twice a day for the first week. The second week increase it a pound or so and use half whole milk and half skimmilk. The third week give all skimmilk with a tablespoon of linseed meal added to take the place of the butter fat which has been removed by the separator.

As the young calf increases in age up to 8 or 10 weeks, increase the amount of the feed gradually until you are giving a calf 2 months old say 10 pounds of milk to a feeding, or a little more as your judgment may dictate with regard to the individual nature and the requirements of the animal. There is no necessity of feeding whole milk to calves after they are 2 weeks old using butter fat that is worth 25 to 30 cents a pound when linseed meal that only costs a cent or two a pound will supply the needs just as well. There is nothing in butter fat that builds up the body tissue so you can see the business side of it from this illustration. After the calves are 2 or 3 weeks old, they will begin to nibble at good clean, well cured, palatable hay. Alfalfa is about the best, as it contains a large amount of protein to build up the muscular and bony tissue of the body. Be careful to feed young calves in clean vessels; do not overfeed, either with milk or linseed. More calves are hurt from over-feeding at an early age than from under-feeding.

## The Air Cure For Milk Fever

[Prize Letter.]

I noticed in the Mail and Breeze that F. N. B., Harvey county, Kansas, wishes to know how to treat cows for milk fever. The only treatment for milk fever is to milk the cows just enough to relieve the udder (not dry), for two or three days, when the danger will be over. Cows having the milk fever will show the symptoms before they are down. They stagger and cannot walk just right.

If a cow gets down before it is noticed that she has milk fever, disinfect the udder with about 8 per cent carbolic acid and water. Get a milk tube and a bicycle pump and disinfect the tube. Put the tube in the teat and pump air into the udder, then proceed in the same manner with the other three teats until the udder is about full of air, but not too tight. Tie a wrapping thread around the end of the teats to keep the air from blowing out and leave the air in for some time after the cow is up and walking around. This is a sure cure and is the only remedy known for this trouble.

I lost two cows from milk fever before this remedy was known. W. L. Hunter of Raymond, Neb., lost some very valuable Jerseys, before he heard of it. On trying it, however, he saved all his cows that already had the fever. I have known cows to be saved that looked as though they would die before morning and the next morning they would be up, walking around and feeding.

F. Trimer.

Caldwell, Kan.

## To Discourage a Self Sucker

I have a young cow that sucks herself. How would you cure her of this habit?—B. A., Kingman County, Kansas.

A good muzzle for a self-sucking cow may be made of an old boot top. Slit the top open, rivet it onto the nose piece of a halter and put the halter on the offender. The leather will not prevent eating or drinking, but it will get in the way when a cow tries to suck herself. Another scheme, frequently used, is to put a large bull ring in the nose of the self-sucker.

## Weak Sow.

I have a sow that has her first litter of pigs. The pigs were two months old December 16. The sow showed a lameness in her right hind leg on the day previously and two days later she could not get up without help. She seems to be paralyzed, but has a good appetite and is in good flesh. I have been feeding corn and turnips with rape pasture. I gave the hogs some wood ashes, salt, and coppers mixed, and some coal and charcoal on the 14th. C. L. J.

Adair county, Okla.

The trouble may be rheumatism, caused by sleeping in a cold, damp bed; or it may be poor nutrition due to a lack of bone and muscle building materials in the ration. Insufficient exercise and constipation are also frequent causes of such lameness. It cannot be attributed to the worm preventive used a day or two before the lameness was noticed.

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Give the sow about 3 or 4 ounces of epsom salts, in a slop, and encourage her to take exercise. Feed a little tankage, some skim milk, and some alfalfa hay in addition to the ration that is being used. Give her a good, warm place to sleep and provide plenty of good dry bedding.

## Why They Want This Paper

I would not be without the Mail and Breeze. A person would not pay five years in advance for a paper if he did not like it. I would not miss T. A. McNeal's comments for the price of the paper.—Albert Krainbill, Bern, Kan.

I think the Farmers Mail and Breeze is the most up-to-date and best farm paper I have ever read.—S. Weaver, R. 1, Augusta, Kan.

We can't do without the Mail and Breeze. We think it the best paper ever printed.—A. L. Galloway, Goodrich, Kan.

I think the Mail and Breeze is the best farm paper and can't get along without it.—Earl Morris, Wilcox, Sask., Canada.

My family and I enjoy the weekly visits of the Mail and Breeze. I wish you success.—S. J. Graham, Pawnee, Neb.

Mrs. M. A. Numeyer, Council Hill, Okla., sends \$1 and writes: "We would not be without the Mail and Breeze for twice its value."

We like the Mail and Breeze very much. Tom McNeal's writings ought to be worth \$1 a year to any person.—Crippen Bros., Arlington, Kan.

## Rye Pays at McPherson.

W. M. Peterson of McPherson county, Kansas, finds a rye pasture a very cheap and wholesome feed for growing shoats to feed on during the winter months. "I have a good rye field this winter where I am grazing some shoats," Mr. Peterson said. "It is a very inexpensive feed and one that keeps them growing."



# Animal Ailments and Cures

Replies to Inquiries From the Mail and Breeze Readers

BY DR. F. S. SCHOENLEBER  
Veterinarian Kansas Agricultural College

**A**N effective remedy for worms in hogs is requested by H. B. D. of Meade county, Kansas. The hogs should be starved for 24 hours. Afterward feed them 20 grains of santonin for a 30-pound pig, 30 grains each for hogs weighing from 50 to 60 pounds, 40 to 45 grains for hogs weighing 100 pounds, and so on in proportion to the hog's weight. Ten grains of calomel should be given with each dose. Worms will appear in from 18 to 24 hours. The hogs should be placed in dry pens and the worms should be burned.

## Flax Pasture.

In cutting my flax last summer much of it shattered. This seed sprouted and there is now a growth of about 6 inches on the field. Would there be any danger in turning horses and cows on it, and what is the food value of this green flax?—N. L. T., Lyon county, Kansas.

There would be no danger in turning your horses and cattle on flax. Its food value is relatively high.

## Mane Stimulant.

I have a 4-year-old mare that has a fine, long tail but no mane to speak of. What she has is short and ragged. I can find no scabs on her. How can her mane be made to grow?—B. S., Guthrie county, Iowa.

If your mare's mane is not diseased you might try the following mixture to stimulate the growth of hair:

Tincture of Spanish flies.....1 ounce  
Castor oil.....6 ounces  
Alcohol.....6 ounces

This should be applied once daily by rubbing it into the skin, thoroughly.

## Nasal Discharge.

I have a horse that has a yellowish discharge from the nose. He has had it for several years off and on. Lately it has been continuous.—H. F. Roehman, Hope, Kan.

The discharge from your animal's nose may possibly be due to a decayed tooth. If this is not the trouble, then infection of the sinuses or cavities in the horse's head which communicate with the nostrils may be the trouble. In either case the treatment is surgical and I suggest that you have a competent, graduate veterinarian make an examination.

## Lump Jaw.

There is a swelling just behind the jaw of one of my cows. It first appeared about six weeks ago, on both sides. Now it is localized on one side and is about as large as two fists. What can be done for this?—G. A. S., Garfield county, Colorado.

Your cow is affected with lumpy jaw and you should treat it by cutting it open, permitting the pus to escape, and packing the cavity with a piece of cotton saturated with tincture of iodine. If you do not wish to adopt this treatment, you may administer internally one dram of iodide of potash daily for six weeks.

## Slobbering Habit.

I would like to know what to do for my pony that slobbers while eating. I had her teeth examined by a veterinarian who pronounced them good.—J. B., Miller county, Arkansas.

Excessive salivation or slobbering is generally due to diseased teeth, but it may be due to a sore condition of the inside of the mouth. Feeding excessive amounts of clover or similar feeds, frequently produces the same condition. The treatment, of course, depends entirely upon the cause, and not knowing what the latter is, I cannot suggest any treatment.

## Pus Proved Fatal.

One of my horses that has been working well right along died today. The first sign of illness I noticed was a swelling on the side of his head which had nearly closed his eye. There was also a slight discharge from his nostril. He had a good appetite and had been fed 30 minutes before he died. I cut him open and found a kind of foamy pus in the lungs and there was about 2 or 3 gallons of watery fluid around his heart. The horse had been ailing the middle of last summer and thought he had a slight attack of distemper. He had a slight discharge off and on ever since. Is this disease contagious?—D. W. L., Greenwood county, Kansas.

It is difficult to state what caused the primary swelling of your horse's head, but I am of the opinion that this swelling caused extensive pus formation on the inside of the head and a small quantity of this pus may accidentally have passed into the windpipe and from there into the lungs, finally resulting in

the animal developing pneumonia. The condition is not contagious and I do not believe that you will have any more trouble with it.

## Poll Evil.

Will you please tell me what to do for poll evil in a horse?—P. R. N., no address.

In mild cases of poll evil, or if taken at the start, a cure may sometimes be effected by applying once a day a thick layer of cataplasm of kaolin. After the condition has broken open, however, this treatment is not successful and a surgical operation must be performed. This latter consists in removing all the dead and necrotic tissue and having drainage openings sufficiently large so that pus will not accumulate in the wound cavity.

## Abnormal Lactation.

I have a colt not yet 7 months old that already has a large bag and milk runs from it. What causes this and how can it be stopped? She has been weaned and is in good condition. This is no fake story.—J. F. N., Cass county, Missouri.

Early lactation is occasionally noticed in various species of domesticated animals. As treatment I would suggest that you give this colt internally 1/2 teaspoonful of fluid extract of belladonna three times daily. You should apply to the udder a mixture consisting of equal parts of fluid extract of belladonna and spirits of camphor. This should be rubbed in thoroughly twice a day.

## Mange or Eczema.

When I take the harness off one of my mares in the barn she invariably backs up against the manger and moves her hind-parts back and forth. What causes this and what can I do for it?—F. J. S., Montrose county, Colorado.

I cannot state positively what this trouble is as the symptoms given are so very indefinite. It is possible that she is trying to rub herself as the root of the tail is frequently affected with some form of eczema or mange. If this is the trouble, you should wash out the entire tail with a 2 per cent solution of hog dip once daily for about a week, rinsing it out with water about half an hour after its application.

## Obstinate Swelling.

Two months before foaling a swelling appeared on the under side of the body of my 8-year-old mare. It grew until she could not walk and finally broke. It discharged freely and the break has not healed over yet although she has raised her colt. How can this be healed up? She is in thin flesh but has done no work since last May.—D. B., Yellowstone county, Montana.

I am of the opinion that the swelling under your mare's abdomen contains some foreign material, such as possibly a splinter of wood, or it may be simply dead tissue. In either case the foreign material must be removed by scraping the inside of the wound before it will heal. After this is done the wound should be washed out daily with a 2 per cent solution of carbolic acid.

## Sterile Mare.

What can be done for a draft mare that has been bred each season for the last four or five years without getting her with foal? She is 10 years old and is in good condition.—J. A. P., Logan county, Oklahoma.

Sterility in mares may be due to one of many causes. First, when the uterus is acid, conception will not take place. This may be overcome by flushing out the uterus and vagina daily with about 3 gallons of a 2 per cent solution of bicarbonate of soda. The last injection should be made about one hour before service. This line of treatment corresponds in every respect to the yeast treatment, as the latter is always supposed to overcome acidity of the uterus. A second cause of sterility is a cystic condition of the ovaries and this can only be overcome by having a competent, graduate veterinarian crush the diseased organs. It may be necessary to do this several times.

If you need anything not advertised in this issue of Farmers Mail and Breeze, write us and we'll tell you where you can get it.

It will pay for owners to keep individual records of cows even in small herds.

# Straight Talk on Plows—No. 3

In our previous talks on Plows, we have explained that the most vital feature of any plow is its share. Also, we have told you of the discovery of the wonderful ACME Steel which is used in making our famous ACME Steel Shares and Moldboards. Now let us consider this subject a little further:

Let us suppose you are in a store selecting a razor or a knife—you are undecided which one of the two to buy. They are practically the same price—each has an attractive handle and highly polished blade, but one has a fine steel blade that you can re-sharpen—it will retain its original hardness as long as you use it—while the other has a blade which will not hold an edge after you have sharpened it the first time and soon becomes dull.

Which one would you buy—the one that will stand re-sharpening, of course. All new plows are attractively painted—they all have their foot lift, etc.—the shares are all bright and sharp when new—in fact, to the naked eye there are several plows that look very much alike. So then in selecting a plow remember the SHARE is the blade of the plow and that is what you should consider, just as you do when you buy a razor or a knife.

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#### LANDS.

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WANTED position as farm manager. 25 years' experience. Address F. P. Mail and Breeze, Topeka, Kan.

EXPERIENCED farmer wants place as farm manager or as cattle feeder. Can give good references. Address W. A. McDowell, Kincaid, Kan.

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MEN for electric railway motormen and conductors; fine opportunity; about \$80 monthly; experience unnecessary. No strikes. State age. Address Box F, care Mail and Breeze.

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How Will Wheat Stand Winter

Growth Heavy and Damage From Freezing Feared—Crops.

By Our County Correspondents

SOME apprehension is being felt over the possible effect severe freezing weather will have on the heavy growth of wheat. While most fields are kept closely grazed until the rains of the last three weeks, the soft ground made further pasturing out of the question in many sections. Meanwhile the crop has made quite a gain in growth and is too large not to be affected by a hard winter. Growth has now been arrested by the snow and a drop in temperature, which has minimized the danger to a considerable extent. In Nemaha county, Kansas, says C. W. Ridgway, some damage has already been done by the ground heaving since the rains.

Farm sales are proving an unprofitable venture this winter, except where there is a herd of good cows to be sold. All classes of cattle sell well generally, but horses move very slowly and farm machinery is a drug on the market as a rule. Mules find a ready sale as compared with horses but as an attraction for buyers you can't beat a good milk cow. Which is usually true of cows at farm sales in any season of any year.

KANSAS.

Lincoln County—Ground in best of shape for wheat. Wheat making a lot of pasture. Corn shipped in for 80 cents. Kafir seed short. Wheat 77c.—E. J. G. Wacker, Dec. 15.

Kingman County—Wheat condition so far is 100 per cent. Some horses and cattle dying and cause is not known. Hogs scarce and selling for \$7.25; hay \$20.—B. F. Sherman, Dec. 18.

Morton County—Had 3 1/2 inches of rain and 3 inches snow in the county during the last two weeks. Also several hard freezes. Stock doing well on the range. Not much feeding yet.—Mrs. M. McGee, Dec. 19.

Nemaha County—Some damage to fall wheat caused by ground heaving, since the recent rains. Livestock wintering well. Some hog cholera in this county. Other stock healthy. Milk cows selling high.—C. W. Ridgway, Dec. 12.

Barber County—Rainy, foggy weather for long time but stock is wintering on wheat pasture. Shocked fodder and feed is not keeping well. Some calves dying of black-leg. Corn 80c; some No. 3 corn 75c.—G. H. Reynolds, Dec. 20.

Reno County—Rain is hard on fodder. Corn all husked. Wheat has a good start and will make good pasture if it stands the winter. Wheat 78c; corn 80c; cattle \$4.50; hogs \$7; eggs 25c; butter 25c; cream 28c.—D. Engelhart, Dec. 20.

Marshall County—Fine weather after a good, soaking rain. Wheat showing up well. No stock on wheat for over two weeks on account of the rain. Some fodder spoiled in the field. Horses lower in price than last year. Cows bring from \$40 up to \$75. Wheat 75c; corn 76c; oats 45c; potatoes \$1; hogs \$6.50 to \$7.15; hens 10c; cream 30c; eggs 26c.—Frank Stettin, Dec. 18.

Ottawa County—Weather warm and wet until today. Roads in bad condition. Wheat made great pasture this fall for stock. Rough fed out in the open in bad condition. Very few hogs are being kept over the winter. Stock in good condition.—W. S. Wakefield, Dec. 20.

Comanche County—Wheat conditions 100 per cent. Subsoil thoroughly soaked. Stock wintering well so far. Wheat pasture fine. Public sales infrequent. Very little plowing being done. Butcher hogs and cattle scarce and in great demand. No snow to date.—S. A. DeLair, Dec. 20.

Mitchell County—Rain all day yesterday. Colder and snow today. Wheat in fine condition but too wet to pasture. Feed of all kinds badly damaged. Feed will be scarce if wheat cannot be pastured. Nothing selling as well at sales as earlier in the season. Horses are a drag on the market. Cows the best sellers.—J. H. DePoy, Dec. 20.

Wilson County—Rains are frequent and feed badly damaged. Alfalfa doing fine until the rain. Good fall pasture. Two-thirds of grain for feed will be shipped in. Some fall plowing done. Corn 78c; alfalfa and prairie hay \$12 to \$16; oats 45c; potatoes \$1; eggs 27c; butter 28c.—S. Canty, Dec. 18.

OKLAHOMA.

Dewey County—Crops all gathered. Plenty of rain. Fine wheat pasture. Feed in stack spoiling. Corn 70c; kafir 70c; oats 55c; cream 25c; eggs 27c.—Wm. Liston, Dec. 19.

Grady County—Wheat pasture fine. Plenty of moisture. Many farmers are turning stock on wheat fields. Others fear it will injure wheat and the ground. Stock in fine shape. Wheat 80c; corn 62 to 63c; butter 30c; eggs 25c.—Sam C. Hefner, Dec. 19.

Canadian County—Snowy and cloudy weather most of the time the last month. Roads bad. Good growing weather. Wheat looks fine. Wheat 80c; corn 70c; oats 40c; fat hogs \$7.75.—H. J. Earl, Dec. 20.

Garfield County—Weather still warm. Plenty of moisture in the soil. Wheat fields too wet for pasture. Stock in fairly good condition. Too wet for field or road work. No insects in wheat. Eggs 28c; butter 22c.—J. A. Voith, Dec. 18.

Lincoln County—Plenty of moisture and cloudy weather. Crops are gathered. Numerous farm sales. Jersey cows sell as high as \$84; mule colts \$100. Corn 98c; fat hogs \$7; chickens, 9c; turkeys 12 1/2c; eggs 30c; butter 25c.—J. B. Pomeroy, Dec. 20.

Harmon County—Abundance of moisture. Wheat looking fine. Some fields too wet to pasture. More wheat sown this fall than ever before. Fodder is moulding in the shock. Some cotton still to be gathered on

account of rain. Feed high. Some plowing being done.—I. E. Grant, Dec. 18.

Ottawa County—Plenty of rain the last two months has made a lot of good pasture for stock. Stock doing fine. Wheat never looked better at this time of year. Horses and mules cheap. Milk cows in demand and bringing good prices. Butter 30c; eggs 30c; hens 9c; turkeys 14c.—C. R. Jackson, Dec. 20.

McIntosh County—The past month has been very wet. Roads almost impassable. Wheat in fine condition and some of it making fine pasture. Volunteer oats shows a good stand and where it is not pastured is a foot high. Eggs 35 to 40c; corn 85c; oats 50c; beef stuff \$4.75.—H. S. Waters, Dec. 20.

Caddo County—Unusually warm weather and abundance of rain has put soil in the best shape for plowing. About normal acreage of wheat out which is fine. Stock in good shape and bringing high prices at sales. No stock disease in the county. Wheat 77c; corn 65c; potatoes \$1.—S. A. Gilmore, Dec. 20.

Hughes County—Roads in worst shape for five years. Farmers can hardly get to town to sell their stuff. Some cotton still to pick. Price of cotton has gone down very much on account of bad weather. We need cold weather to butcher hogs. Corn 90c; butter 30c. I have 40 tons of hay to sell, all in barn, at \$16, Holdenville.—Albin Haskett, Dec. 20.

Kay County—Still warm and rainy and most corn and kafir fodder in fields ruined for feeding. Wheat looking fine and is 95 per cent in stand and prospering. Stock looking good and bringing good prices, especially cattle. The oil business is the greatest movement of the day. The wells are good and the oil is of fine quality.—Sherman Jacobs, Dec. 20.

Rogers County—Plenty of rain. Wheat and rye looking good but fields too soft to pasture. Damp weather spoiling fodder and other roughness. All stock looking good. Not much plowing done yet. Hay \$15; straw \$8; corn 75c; oats 40c; wheat 80c; chops \$1.75; bran \$1.30; potatoes \$1.15; eggs 30c; butter 30c; turkeys 12c; hens 9c.—W. S. Crouch, Dec. 20.

Texas County—The last five weeks have been very wet. Most stock is off wheat. Fall threshing delayed on account of wet weather. It is estimated there were 300,000 acres of wheat in Texas county this year. No sales at present. Winter barley is far ahead of wheat and rye pasture. Wheat and corn 75 cents bushel each; apples \$1.50; hens 7c; eggs 40c.—Frank Free, Dec. 20.

Shotes Have Thumps

TURNER WRIGHT, Livestock Editor.

A subscriber sends the following inquiry:

I am bothered, every year, with hogs being affected with thumps. It is not the pigs that are running with their mothers that take it but shotes that weigh from 80 to 125 pounds. They live for two or three weeks after taking it but gradually get worse until they die. The shotes, this fall, took it while running on wheat and rye pasture. They were fed about half the corn they would eat with plenty of good shorts swill. What do you think is the cause of this and what could I do to stop it?

The disease known as thumps is caused by indigestion. It is characterized by a quick jerking of the flanks, accompanied, usually, with quick breathing. It is caused by overfeeding and lack of exercise. Young pigs that are still with their mothers are the ones that are most often affected, though it does sometimes come to older pigs. The best treatment is to change the "balance" of the feed; feed more protein or growth-producing feeds, and get the pigs out into the sunshine, on pasture if possible, where they will take more exercise. It is often advisable to cut down the feed of the sow for a few days, especially if the pigs are very young.

I have never known of thin pigs or shotes, that were running on pasture, having thumps. Pigs or shotes that are forced to sleep in damp places with poor bedding often contract colds that develop into pneumonia. The same thing often happens when too many sleep in one bed. The pigs become overheated during the night and when they come out in the cold air in the morning, take cold readily.

We have the same quick jerking or thumping of the flanks with pneumonia that we have with thumps, consequently the two troubles are often confused. I think that this has been the cause of our subscriber's trouble. The best remedy will be to provide good, dry sleeping quarters with plenty of dry bedding and prevent too many pigs sleeping in one bed. The best treatment for those animals that are affected will be to put them in a warm, dry place that is well ventilated yet free from drafts, and feed them on a growth-producing ration that is slightly laxative.

The forest service distributed, last year, 116,000 basket willow cuttings; 15,000 to forest schools, 20,000 to agricultural experiment stations, and 81,000 to individuals.



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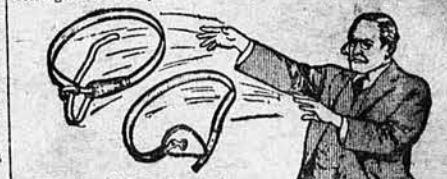
1914 Take-down Pat. tern, with all latest improvements, walnut stock and grip. Shoots accurately 22 long or short, handsome, durable. SEND NO MONEY. Just send your name and address for my easy plan by which you can secure this fine rifle ABSOLUTELY FREE! EXPRESS PREPAID. Write today. H. A. SLOAN, Dept. M.B. 115 W. Main St., Madison, Wis.

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The Mail and Breeze has the most complete plant in Kansas for the making of first class half-tone engravings and zinc etchings. Particular attention given to livestock and poultry illustrations for letterheads, newspaper advertisements and catalogues. Our cuts cannot be excelled and are guaranteed satisfactory. Lowest prices consistent with good work. Write for information. THE MAIL AND BREEZE, Topeka, Kan.

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# BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

## Special Notice

All advertising copy, discontinuance orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

**CATHOLICS**, write T. J. Ryan, St. Marys, Kas.

**320 A., 200 BOTTOM CULT.**; bal. pasture impr. Havens & Somerville, Winfield, Kas.

**LAND IN STEVENS COUNTY**, Kansas, on Colmer cut off. Write for prices. John A. Firmin, Hugoton, Kansas.

**640 A. 4 MI. NORTH JETMORE**. Smooth, fenced, well watered; 200 cult. Price \$15.00. Terms. R. S. Mairs, Kinsley, Kansas.

**IF YOU WANT MORE LAND** for the boys, or a good stock ranch, write The Kansas Investment Company, Ness City, Kan.

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

**320 A. NEAR LARNED**. In cult., black soil, improved. Price for December only \$45. Exchanges. B. Hofflines, Larned, Kansas.

**160 A. 3 miles Kinsley**, improved; in wheat. Price right. Wheat to buyer. 1/2 mile to school. Terms. Thos. Darcey, The Land Man, Offerle, Kans.

**FORD COUNTY, KANSAS**. Choice alfalfa, wheat and corn lands. Stock ranches on easy terms. L. L. Taylor & Co., Dodge City, Kansas. Established 1902.

**RARE JEFFERSON CO. BARGAINS**. 160 a. 3 mi. out, fine imp., good soil, \$55 per a. 153 a. most creek bottom, well imp., \$60. No trades. John A. Decker, Valley Falls, Kan.

**160 ACRE FARM**, 3 1/2 miles from town; 120 in cult. Bal. pasture and meadow. 4 room new house; barn, granary; fruit and good water. 50 acres wheat. Price for quick sale \$5,000. Reed & Brady, Salina, Kansas.

**WE OWN 13,600 acres** in fertile Pawnee Valley, smooth as a floor; best alfalfa and wheat land on earth. Five sets of improvements. Shallow water. Will sell eighty acres or more. Frizzell & Ely, Larned, Kan.

**I CAN SELL YOU** the finest farms, not to be excelled anywhere for the price. For alfalfa and grain farms. Stock raising. Descriptions and prices on request. Cash and good terms. H. H. Stewart, Wellington, Kan.

**A FINE Solomon Valley Farm** in Rooks County for sale, consisting of 120 acres good bottom land, raises alfalfa and wheat, good improvements. Price \$75 acre. Write for particulars. F. M. Learned, Woodston, Kan.

**DON'T MISS THIS 80 A. BARGAIN**. Improved, near school, 4 mi. to Fredonia. Good soil. Will sell at \$35 per a. within 30 days. M. T. Spong, Fredonia, Kan.

**480 A. IMPROVED**, \$25 A. 2 1/2 mi. Scott City. Brightest future of any town in W. Kansas. Come and see this bargain or write E. E. Coffin, Scott City, Kan.

**CAN YOU SEE AHEAD?** 640 a. in grass; fenced; living water; smooth; close to school and phone. Price \$12.50 per a. Terms. Thos. J. Stinson, Spearville, Kan.

**FOR SALE**. 245 a., 2 miles from Preston, 30 a. pasture, balance in cultivation. 175 a. in wheat; small imp'm'ts. Price \$12,000. Good terms. Chas. E. Dye, Preston, Pratt Co., Kan.

**BIG BARGAIN**. 120 acre bottom farm, good improvements, 3 1/2 miles town, 1/2 mile school; price \$35 per acre, if sold within 30 days. Gile & Bonsall, South Haven, Sumner Co., Kan.

**Northeastern Kansas Land** for sale in the famous Bluegrass, Timothy, Clover and alfalfa district, \$50 to \$100 per a. Compton & Royer, Valley Falls, Kan.

**One Hundred Acre Farm** 60 acres in cultivation. Good locality. 1/4 mile to school, 1 1/4 miles to shipping point. Price \$40 per acre. No trades. Mrs. J. W. Hopping, R. 5, Cherryvale, Kan.

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

**Only \$1.00 Per Month** pays for choice lot in "Pretty, Prosperous Plains." Price \$17.50 to \$50.00. This exceptionally attractive offer is causing rapid sales. Act quickly. Write for literature which will interest you. Mention this paper. John W. Baughman, Plains, Kansas.

**Let Crops Pay For Land** I have such confidence in my Western Kansas irrigable land that I am willing to let your crops pay for it. Small cash payment, balance from percentage of what you grow. Ten years' time. One crop of alfalfa will more than pay for the land and pump. Address J. F. Radd, 1111 W. College, Independence, Mo.

**WE HAVE** a fine list of impr. and unimpr. farms. Rowland & Moyer, Ottawa, Kan.

**235 ACRES IMPROVED** Arkansas Valley near Garden City. Pumping plant. \$1,000 cash, balance well secured. Price \$75 a. Consider trade. J. H. Kaiser, Topeka, Kansas.

**GOOD FARM**, house, barn. Three hundred twenty acres. Two miles of good town. 70 a. wheat. An excellent wheat and stock farm. Plenty of good water. If sold soon, sold at a bargain. Lock Box 218, Fowler, Kas.

**FOR FARM BARGAINS** write for list to J. E. Calvert, Garnett, Kan.

**FOR SALE**. Ranch—2000 acres—Made Co., Kan. All under fence, living water. Good grass. Good house, two barns. No better cattle ranch in Kansas. A Bargain. Address LOCK BOX 218, Fowler, Kan.

**LINN COUNTY FARMS**. Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15-\$30. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illustrated folder free. Eby-Cady Realty Co., Pleasanton, Kan.

**STOP AND LOOK**. Now is the time to come to Bates county, Mo., for bargains in some fine farms. We have them in all sizes from 40 acres up to 640 a., well worth your time and trouble to come and see what we have. Write us if interested. J. F. Herrell & Son, Butler, Mo.

**NO. 720 H**. Chase county, Kansas, farm, of 387 a., 150 a. cult. bottom, 20 a. alfalfa. Improved. 2 1/2 mi. out. Price \$60.00 per acre. Must be sold to settle estate. Terms. No trade. Free list. A. J. Klotz & Co., Cottonwood Falls, Kan.

**80 ACRES ONLY \$500**. 80 a. improved, 10 m. Wichita; possession; \$500 cash down; no interest first year; \$300 Jan'y 1, 1915; balance \$500 yearly including interest at only 4%. R. M. Mills, 1003 Schweiter Bldg., Wichita, Kansas.

**FOR SALE**: 240 acres, 55 acres alfalfa, 90 acres bottom, 65 acres pasture and meadow, 8 acres timber, balance in cultivation, fine improvements, large house and barn, plenty good outbuildings. 5 miles from this town. Price \$65.00 per acre. Good terms. 80 acres 5 miles town, 6 acres alfalfa, 15 acres pasture, bal. cultivated. Good house, barn, other outbuildings, well and windmill. Price \$3,750. Easy terms. Other good bargains. Write at once. Swartz & Strahl, White City, Kansas.

**125 A. LOCATED 3 MILES** of railroad town; all tillable; 15 a. bluegrass pasture; remainder in cultivation; located on the main public road; 5 room house; barn 30x30; other good outbuildings. Price \$62.00 per acre.

**160 a. located half mile** of good town; extra fine land; on the main traveled road; 70 a. alfalfa land; 125 a. in cultivation; good 7 room house; barn 30x40; other good outbuildings. Price \$56.00 per acre. Terms to suit. Write for land list. Mansfield Land Company, Ottawa, Kansas.

**FOR SALE**: A very fine stock and grain ranch of 940 acres. Located about 30 miles from Wichita, Kansas, and four miles from good railroad town. Finely improved, with good buildings; also extra tenement house and fine orchard. Well fenced and cross-fenced, and watered by creek through pastures. Some nice timber along this creek. About 500 acres splendid alfalfa land. This ranch is a money maker. Price \$67.50 per acre. Might consider smaller farm or income property as part payment. Address P. O. Box No. 118, Fairbury, Nebraska.

**VIRGINIA**  
**Virginia Farms and Homes**  
FREE CATALOGUE OF SPLENDID BARGAINS.  
R. B. CHAFFIN & CO., Inc., Richmond, Va.

**BEST BARGAIN IN SOLOMON VALLEY**  
800 acre stock and alfalfa farm; over 400 acres good alfalfa land; heavy sheet water 6 to 20 feet; 320 acres in cultivation, 40 acres alfalfa, 120 acres growing wheat; 30 rye, bal. for spring crops; two pastures, 125 and 320 acres; plenty living water, some timber; \$10,000 improvements; best modern residence in county; barns, sheds, granaries and fences in good repair; engine and windmill and elevated tank and pneumatic water systems; 6 miles from Hill City, 1 mile from Penokee; R. D. and telephone; fine roads, auto trail by the door. Price \$25,000, \$10,000 cash, bal. terms; no trades. Write to C. L. Kohler, Penokee, Kansas.

## Neosho Valley Bottom and Prairie Lands

**460 ACRES** choice bottom alfalfa, corn, wheat and orchard land, one mile from Chetopa, Kansas. 240 acres in cult., 60 acres alfalfa, cuts four crops a year; 90 acres wheat. Price \$17,000, \$5,000 down. Brick house, 10 rooms, in Chetopa, Kansas, together with above described land \$22,000, \$7,000 down. Can be sold together or separately. No trades.

**160 ACRES** best black prairie land, 95 acres in cultivation, 40 acres pasture, 15 acres meadow, 10 acres hog pasture. All fenced and cross fenced. Gradual slope all one way. One of our very best. One mile to school, 5 miles from good town. Telephone and rural route. Price \$8,000, \$2,000 down. No trades.

**80 ACRES** 2 miles from Chetopa, Kansas. Best black soil alfalfa land. Gently sloping prairie. New house 4 rooms; new barn 24x30; 20 acres blue grass pasture; located on rural route, telephone and gas pipe line. 60 acres in cultivation. Price \$4,000, \$2,000 down. No trades.

**130 ACRES** one mile from Chetopa, Kansas. 90 acres bottom alfalfa, corn and orchard land. 90 acres in cultivation. 25 in pasture. Coal easily mined. 8 room house. Barn 30x40; handsome location. Best of soil. \$55 per acre. \$2,000 down. No trades.

**138 ACRES** alfalfa, corn and orchard land, one mile from Chetopa, Kansas. High bottom. Never loses crop from overflow. 60 acres in alfalfa. Cuts four crops annually. No irrigation necessary. No buildings. 40 acres in wheat to be followed by alfalfa fall of 1914. Price \$7,000, \$2,000 down. No trades.

These lands are in the great Neosho Valley, the longest, widest, richest valley in Kansas and in the famous alfalfa district, 160 miles south of Kansas City. Other farms. Send for list to

**J. B. COOK, Chetopa, Kansas**

## MISSOURI

**FOR FARM LANDS** in Barry Co., Mo., write J. Y. Drake, Exeter, Mo.

**YOU WANT AN OZARK FARM** or ranch. What kind? Wesley Marion, Monett, Mo.

**MISSOURI**, Ark. and Okla. farms. Coaner-McNabney Realty Co., Southwest City, Mo.

**WRITE MARTIN & MONTGOMERY**, Greenfield, Mo., for farm list Dade Co. Terms.

**WRITE Ozark Realty Co.**, Springfield Mo., for grain farms, ranches, dairy farms.

**160 A., OZARKS; 100 CULT.**, 2 sets bldgs., spring. \$1,700. McQuary, Seligman, Mo.

**WRITE BEDELL & CO.**, Springfield, Mo., for prices on grain, stock and dairy farms.

**WRITE PERRY & BRITE** for prices on stock, grain and fruit farms. Monett, Missouri.

**OZARK FARMS**. Write Southwestern Land and Immigration Co., Springfield, Mo.

**120 ACRE FARM**. Price \$1,600, \$400 down. Views, map free. Arthur, M'tn View, Mo.

**\$5 DOWN, \$5 MONTHLY**, buys 40 a. grain, fruit, poultry land, near town. Price \$200. Write for list. Box 372, Carthage, Mo.

**BEST RIVER BOTTOM LAND**. Corn, alfalfa and ranch lands a specialty. Current River Land Company, Van Buren, Mo.

**MUST SELL AT ONCE** five good farms bought at forced sale. W. C. Shannon, Loan Agent, Mountain Grove, Missouri.

**114 ACRES**, 80 acres in cultivation, bal. in pasture; one-half bottom land; no overflow; good repair; fair improvements; land is level; three miles to town; good roads and location. Will sell cheap if taken at once. J. E. Hall, Carthage, Mo.

**HOWELL CO., MISSOURI**. 120 a. farm 2 mi. from Pomona. 75 a. in cult. and orchard, 500 bearing trees, apple and peach, 100 a. fenced, 5 room house, good barn, 2 wells, cistern, phone line, rural mail. 1/2 mi. school. \$28, terms. Farms for merchandise or town property.

**A. P. Cottrell Land Co.**, Pomona, Mo.

**FARM LAND—CATTLE RANCHES**. For sale: 8,080 acre stock ranch for less than half its value. 5 miles long and 2 1/2 miles wide. Has 66 springs; 1 1/2 miles water stream. Best bargain in Missouri. If you want to raise beef and make a fortune this is your chance. For further information write or wire owner A. J. Johnston, Merchants National Bank, Springfield, Mo.

## Poultry Farms

10 acres of good land for \$250 on terms of \$5 down, \$1 weekly; no interest, no taxes; located in the great Missouri poultry belt near the state experimental fruit and poultry farms. You can't lose on this. Every dollar you pay goes on the price. We even pay the taxes. Write today. Merriam-Elliott-Benton, 603 Minnesota Ave., Kansas City, Kas.

## Southeast Missouri

The best bottom sandy loam land, cut over timber, all drained or in drainage. As good corn, grass, clover lands as the best in United States. Sell tracts from 40 a. up. Improve any tract ready for plow, put buildings up for actual cost. Guaranteed 10 per cent clear income by rents besides big increase in value. Refer to J. C. Freland, Parker, Kansas, who investigated personally this country. For information write, F. GRAM, Naylor, Missouri.

## WYOMING

**FREE HOMESTEADS**. Use your right on the best homestead to be had. Write A. P. Knight, Jireh, Wyoming.

## IDAHO

**Homedale, Idaho**, 6 months old. Has hotel, bank, electric lights, and water works. Lots and acreage on payments. Homedale Townsite Co., Minneapolis Minn.; Boise, Ida.

## ARKANSAS

**ARKANSAS FARMS** for sale. Terms. List free. J. C. Mitchell, Fayetteville, Ark.

**170 ACRES**; good improvements. Level, good water. Write E. W. Dawkins, Rogers, Ark.

**80 A. NEAR RY**. Improved. 70 a. tillable. \$800, terms. Leslie Land Co., Leslie, Ark.

**WE HAVE BARGAINS IN FRUIT**, stock and grain farms in northwest Arkansas. Springdale Land Co., Springdale, Ark.

**\$60 DOWN BUYS 40 ACRE FARM**, rain and corn belt, Arkansas. Send for list now. Leavitt Land Co., Little Rock, Ark.

**FOR DES. LIT.**, city props., Ark., and Okla. farm, fruit, timber, grazing lands, write Moss-Ballou & Hurlock, Siloam Springs, Ark.

**532 ACRES** mostly creek bottom; plenty water, and timber; good orchard; 2 mi. town; creek crosses place. Price \$30 per acre. Write Horton & Co., Hope, Ark.

**17,000 ACRES, NO ROCKS**, hills or swamps. Any size farms Grant Co. \$1.50 per a. down, bal. 20 years at 6%. Teter & Co., Op. Union Depot, Little Rock, Ark.

**CORN, OAT, CLOVER** land. Sure crops. No swamps, hills. Fine climate, schools, churches. Small pay't. 20 years, 6%. Write today, maps, circulars. Tom Blodgett Land Co., Elson, Ark.

**COME TO THE LAND** of good crops, fine fruit, diversity, short winters, cool summers, good health. Exchanges made. Particulars. Chas. D. Haney, Bentonville, Ark.

**80 ACRES \$1,000**. 80 acres, part black land, \$800. 37 acre farm, \$500. 37 acre farm, \$550, \$200 cash payment. Get list of low priced farms. Wilton Land & Investment Co., Wilton, Ark.

**QUIT RENTING** and write Eugene Parrick, the land man, for fruit, grain and timber farms. Best prices, terms, water and climate in Ark., Missouri and Oklahoma. Describe your wants in first letter. Hiwassee, Ark.

**IF YOU WANT** a good comfortable home cheap in the best country and among the best people on earth come to Benton county, Ark. We have extra bargains in all kinds of farms and cheap unimproved lands. Address Frazer Real Estate Co., Gravette, Ark.

**70 ACRES, 1/2 CLEARED**, 3 miles from city, \$20 per acre. Other good bargains. Write J. F. Black, Texarkana, Arkansas.

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

## For Sale

One of the finest 765 acre ranches in Arkansas. Just 6 miles from the county seat of Baxter Co. 240 acres of the finest of bottom land in cultivation, balance is open timber with lots of open range; has two extra good houses and barns on it. Write for full description of this \$13,500 ranch. Also have the best improved 73 acre farm adjoining a little town. This is in Baxter Co. 2 good houses, 55 acres in cultivation. Price \$2,850. Good orchard on this place; school house on the land; only three blocks to the postoffice. A. T. Garth, Royal Hotel, Cotter, Arkansas.

## COLORADO

### We Want Farmers

Why buy cut-over, or wild lands in the Frozen North? We can locate you on half-section relinquishment for \$350. Will produce 30 to 35 bushels wheat and corn per acre on sod. Fine hay, good dairy country, 10 to 40 feet to water. Only 12 miles from this city. Land level and soil fertile, clay subsoil. Finest climate in the world. Come and get your choice. Cutler & Layton, Fort Morgan, Colo.

### An Exceptional Opportunity

160 acres, very productive, good improvements, a perfect FULL PAID WATER RIGHT; alfalfa, potatoes, sugar beets, grain, large yields. Only two miles from DELTA, COLO. Included in this deal we offer 90 head of mares and geldings, including 18 mules, one team coming three, 5 head coming 2 and balance colts. 8 fine Percheron farm mares, one fine black jack, costing \$1,200, one fine Percheron stallion, 35 mares bred to foal spring 1914. There will be fifty mares to breed next spring. Farm wagons, harness, implements and feed. Also what is regarded as the best summer range in Colorado, including 100 acres well fenced on Government Forest Reserve; summer cabins, corrals, fine springs and right to pasture 300 to 400 head per year at cost of 35 cents per head per season. Calves and colts not counted. Range 24 miles from the farm. For thirty days we offer the entire property for \$20,000. The farm and water right alone worth the price. Step in and get the benefit of 10 years' hard work of the present owner. Geo. W. Bruce, Sole Agent, Delta, Colo.

## CANADA

**COME TO SO. ALBERTA**. Land of wheat, alfalfa, cattle. Good markets. Delightful climate. Have several special bargains. Weber Land Agency, Lethbridge, Alberta, Canada.

**SOUTHERN ALBERTA**, the country for you. Heavy crop yields, country particularly adapted to stock raising on account of mild winters and easy accessibility to water; unlimited supply cheap domestic coal within few miles of our lands. We own and will sell to actual settlers 50,000 acres choice land close to markets at reasonable prices and terms. If you mean business and are looking for a new home where opportunities are practically unlimited, write Helgeson Land Co., Lethbridge, Alberta. Ref.: The Merchants Bank of Canada.



## OKLAHOMA

**GOOD FARMS FOR SALE;** for particulars write to Harry E. Fray, Pawnee, Oklahoma.

**EXCEPTIONAL BARGAINS** in N. E. Okla. farms. T.C. Bowling, Pryor, Mayes Co., Okla.

**FOR SALE.** 100 a. rich level prairie 4 mi. this city 15,000 inhabitants. \$26.50 per a. Others. O. P. Williams, McAlester, Okla.

**ARKANSAS AND OKLAHOMA.** Improved, unimproved, grass, farm, and timber lands. Prices reasonable, and terms. Come and see. White, Stanley & Thomason, Westville, Okla.

**WRITE THE JORDAN COMPANY,** Marietta, Okla., for list of Okla. and Texas bargains in alfalfa, grain, cotton, corn and fruit farms and ranches. All sizes and all prices.

**CADDO COUNTY AGAIN WINS.** First on agricultural products at State Fair. Write for information, corn and alfalfa lands. Baldwin & Gibbs Co., Anadarko, Okla.

**IF YOU WANT** to buy land either for home or investment, with fertile soil and ample rainfall, write us. Pasture land from \$3 to \$12.50 per a. Farm land that never fails to produce crops if properly tilled. \$15 to \$35 per acre. Southern Realty Co., McAlester, Okla.

## TEXAS

**CORN, COTTON,** potatoes and rice are making our farmers good money. Prices from \$25 an acre up. A few special bargains. Fidelity Immigration Co., Eagle Lake, Tex.

**BIG CROPS, BIG MARKETS, BIG PROFITS.** In the Houston, El Campo district of the Gulf Coast. Write us for Free Booklets, "Where Farming Pays," "Pointers on Where to Buy Land," also "The Gulf Coast Bulletin" for six months Free. Allison-Richey Land Co., Houston, Texas.

**BARGAINS IN GULF COAST LANDS.** FACTS about the Mid-Gulf-Coast Country of Texas. Production, climate, rainfall, soil, markets, water. Large or small tracts. Write at once for free booklet and price lists. Reference given. John Richey & Co., Blinz Bldg., Houston, Tex.

## FLORIDA

**FLORIDA, THE LAND OF FRUIT.** Flowers and sunshine; good health; prosperity and solid comfort is waiting here for all who invest in homes on St. Andrews Bay. Address Richard McCloy, Lynn Haven, Fla.

## MINNESOTA

**MINNESOTA FARMS** for sale. Easy terms. Write A. G. Whitney, St. Cloud, Minn.

**80 A. GOOD Minnesota land** \$1,000. Terms. Other bargains. Foss, Milaca, Minn.

**PAYNESVILLE LAND CO.,** sell Minnesota farms. Write for list. Paynesville, Minn.

**SETTLERS WANTED** for clover lands in central Minnesota. Corn successfully raised. Write Asher Murray, Wadena, Minn.

**MINNESOTA FARMS** for sale on easy terms. We sell our own lands. Write for list and map. Anderson Land Co., Willmar, Minn.

**FINE IMPROVED Minnesota corn and dairy farms** \$20 to \$55 per acre. Easy terms. Frick Farm Agency, Saux Center, Minn.

**FREE government land:** My official 250 page book and paper describes every acre in U. S.; contains township plates, tables, charts showing exact location. Sample copy free. D. J. Campbell, Pioneer Bldg., St. Paul, Minn.

## LOUISIANA

**FOR SALE: FARMS** and cut over lands. Write Fender & Mizell, Forest Hill, La.

**LOUISIANA STOCK FARM** 1,100 acres with 7 mares, 6 mules, 4 cows, 1 bull, 1 jack, 90 hogs, 6 houses, 1 nice residence, 4 barns and plenty ranch implements. Price \$18,500. 1/4 cash, 6% act quickly if you want the best. J. D. Pace & Company, Alexandria, Louisiana.

**RED RIVER VALLEY LOUISIANA LAND** is a deep rich soil—grows corn, cotton and all kinds of crops in abundance. Eight months' growing season, 55 inches rainfall, seaport only 200 miles away. This land now sells from \$6 to \$15 per a. A GREAT PROPOSITION TO AGENTS.

The tide of immigration has already started to the fertile lands of Louisiana. A big opportunity for live agents. This is a place where your men buy. Write for our literature and special proposition to agents. Do it today. Bradshaw Land Co., Alexandria, La.

## GEORGIA

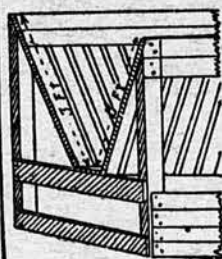
**SOUTHERN GEORGIA.** Stock raising, fruit growing, truck farming, corn, oats, hay, cotton. No floods, droughts, nor cyclones. Improved and unimproved lands. Easy terms. Thompson & Company, Homeland, Georgia.

# Ideas in Feed Rack Building

## Ways and Means to Avoid a Waste of Roughage

By Readers of the Mail and Breeze

**THIS** rack and manger combined is the best for feeding fodder I have ever seen. The rack is set up 2 feet from the ground and the manger is boxed up to this height all around. The slats forming the sides of the rack are 1 by 6-inch boards, spaced 5 to 6 inches apart. The top of the manger is a 2 by 8-inch plank, 6 feet long, but the rack may be as long as desired. One end of the rack is left open, making it handy to push in fodder or other roughage.



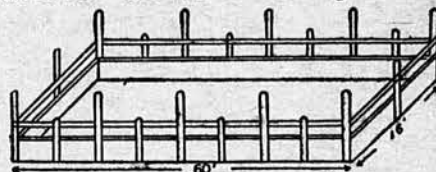
William Meyer.  
R. 2, Hanover, Kan.

from both sides and reach practically to the center. As the feed is undermined it falls down into the manger again. Ingalls, Kan. A. E. Billings.

## Stacks the Fodder Inside

[Prize Suggestion.]

Mr. Editor—Feed is scarce this year and I would like to give your readers a plan of a rack that has proved a great feed saver for me. It is especially good for fodder as stock wastes so much of it when thrown on the ground. My rack is 16 feet wide and 60 feet long. I have



Specially Built for Corn Stover.

40 acres of corn fodder stacked in it and am still hauling. I have 60 acres of nice fodder but don't think the rack will hold quite all of it.

The fodder is stacked far enough from the edge so as to form a manger and when this becomes filled with picked over stalks, I throw them out under the stock to make manure. The tall posts in the rack are telephone poles, 20 feet long and set 3 feet into the ground. The short posts between are 10 feet long. The bottom of the rack is boarded up solid with ordinary fence boards, a 2 by 8-inch plank forming the top rail. The upper rail is also of 2 by 8-inch planking. Both are bolted and spiked to the posts.

I intend to build a rack for straw on the same plan. On this rack I will put hog wire above the top rail. Any kind of rough feed may be fed from racks of this kind. I intend to stack all my roughage for outdoor feeding in these racks. J. E. McCracken.

R. 2, Sterling, Kan.

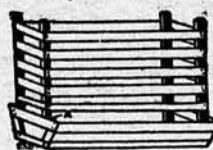
## This One Is Good for Straw

[Prize Suggestion.]

Mr. Editor—I have found this feed rack to be very satisfactory. It can be built at a very small cost. The rack is 8 feet wide and it may be made as

long as desired. A is a 2 by 6-inch plank, nailed or bolted on crosswise of each end, 2 feet above the ground. This leaves a foot of the crosspiece projecting on each side to form a manger. From each projecting end a 2 by 4, 2 1/2 feet long, extends down to the base of the corner post and is bolted on. A 2 by 8-inch plank is bolted to the under side of these 2 by 4s to form the top rail of the manger. Inch boards will do to box up below these planks.

The first board on each side should be a 1 by 12, and set down on the ends of the crosspieces. Such a rack gives the stock access to the feed without being able to waste any. They can eat



# FOR SALE OR EXCHANGE

**GROCERIES FOR LAND** or land for mdse. F. Gass, Joplin, Mo.

**EXCHANGES—ALL KINDS**—free list. Foster Bros., Independence, Kan.

**WRITE J. W. MEREDITH** of Carthage, Mo., for prices and exchange farm lands.

**FARMS AND RANCHES** for sale or exchange. J. J. McCool, Augusta, Kan.

**52 A. near Hutchinson,** Kan. Sale or trade. Owner, E. C. Keyes, Hutchinson, Kan.

**BARGAINS** in the Arkansas valley, cash or exchange. Franks & Dobson, Winfield, Ks.

**GREENWOOD CO.** Write Herrman & Dove for sale and exchange lists. Hamilton, Kan.

**LAWRENCE REALTY CO.,** home of the swap-pers. Patrick C. Quin, Mgr., Lawrence, Kan.

**FOR SALE OR TRADE,** fine improved bottom farm, close to town. City High School free. J. H. King, Cawker City, Kan.

**EXCHANGE BOOK,** of hundreds of honest trades, farms, merchandise, etc., everywhere. Graham Bros., Eldorado, Kan.

**I SELL** and exchange farms, ranches and income property. Write fully what you have or want. M. F. Simmons, Kansas City, Mo.

**WE BUY, SELL** and exchange, anything, anywhere of value. Ozark Co-operative Realty Co., Willow Springs, Howell Co., Mo.

**FOR EXCHANGE,** 400 acres in North Dakota. \$12,000.00 improvements. Want Kansas, Oklahoma, Missouri land or income property. Box 275, Iola, Kansas.

**160 ACRE FARM** all in wheat now; looks fine. Exchange for merchandise. Watkins Land Co., Quenemo, Kansas.

**160 ACRES LAND** near Montezuma. Would take automobile as part pay. \$600 cash, balance terms. Exchanges made. L. E. Pendleton, Dodge City, Kansas.

**HARPER COUNTY, KANSAS.** One hundred sixty acre farm, three hundred thirty-five acre farm for east Kansas farms. J. M. Garrison, Attica, Kan.

**FARMS, STOCKS,** and city property for sale or trade. What have you to offer? Bigham & Ochiltree, 802 Corby-Forsee Bldg., St. Joseph, Mo.

**FOR SALE OR EXCHANGE.** 160 acre improved farm, northern Okla., price \$5,500. 360 extra fine Fla. land \$40 per a. Modern 16 room house, Kansas City, Kan. J. W. Studebaker, McPherson.

**FOR EXCHANGE:** Improved 160 acre farm in North Missouri for 160 to 240 acres in Barber, Pratt, Kiowa, Clark or Comanche counties in Kan. Also stock of implements and buildings for 160 acres in same counties. BOX 183, Carrollton, Mo.

**400 ACRE ranch,** Rooks County, Kan. Good improvements, over 200 acres in cultivation, good wheat farm. Price \$35 per acre. Consider some trade. Write for particulars. F. M. LEARNED, Woodston, Kan.

**WRITE T. L. THOMPSON,** for farm and ranch land exchanges. Augusta, Kansas.

**120 A. 3 MI. OF WELDA, KAN.** 80 cult., 40 pasture, \$60 per acre, mort. \$2,100, wants mdse. 320 acres 2 mi. of Garnett, Kan., 200 cult., bal. meadow and pasture, \$30,000, clear, wants smaller farm, timber or rental. Spohn Bros., Garnett, Kan.

## 1000 Farms Wanted—

listed with me—sale or trade. Owners write me—giving complete description—what you will trade for—where, price, etc. If you don't mean business don't write. Frank W. Thompson, Beloit, Kansas.

## EXCHANGE FOR MERCHANDISE OR CLEAR LAND.

200 acres fine corn and alfalfa farm, 8 miles St. Joseph, 3 miles from small town, well fenced, good improvements. Price \$110 per acre. Mortgage \$8,000. C. D. Butterfield, Hamburg, Iowa.

**Buy or Trade** with us—Exchange book free. Berrie Agency, Eldorado, Ks.

## FOR SALE OR EXCHANGE

Land in the great corn belt of Missouri, Kansas and Nebraska. Also ranches. If you wish to make an exchange, address.

M. E. NOBLE & SON, 507 Corby-Forsee Bldg., St. Joseph, Mo.

## For Sale

Extra wheat farm. 160 acres, 130 in wheat, (1/2 delivered at Beloit), 30 in pay meadow, 8 miles northwest of Beloit, Mitchell Co., Kansas. (Clear) \$9,000. Wilson & Bozell, Beloit, Kansas.

## SELL OR TRADE IT

Our advertising brings results. Let us sell or trade your farm. We charge only 2 per cent. Just tell us what you have and what you want. Do it now. W. L. Bowman Realty Co., King City, Mo.

## To Exchange

160 acres in easter. Kansas for 10 or 20 acre poultry farm near good town or for clear cheap western Kansas land, equity \$7,000, mortgage \$5,000, 4 years.

M.W. Peterson, Hanston, Kan.

## I OWN AND WILL TRADE

A good small ranch in S. E. Kansas, a fine unimproved tract near city limits of Wichita; a good home in Wichita, some smaller residences; also a fine business proposition and business property; a nice farm in S. W. Kansas and some scattering quarters. Will trade either or all of these or will sell at a sacrifice and give extra good terms. H. C. Whalen, 812 West Douglas Ave., Wichita, Kan.

## Pumps for the Western One-Third

(Continued from Page 3.)

that the day is past when water can be cheaply obtained.

"Pumping for irrigation does not require large investments for installation of plants but in practically all cases the cost of water by pumping will be much higher than the usual maintenance charges for water under gravity systems. We can hardly expect to get water as cheaply as the older irrigation companies, but as the demand for irrigated land increases the shallow water area of Kansas is destined to compare favorably with the newer and more expensive irrigation systems of the West. "Kansas land does not require expensive preparation for irrigation. In western irrigated states the cost of preparation varies from \$5 to \$100 an acre. The land in Kansas is almost level and does not require very extensive preparation for receiving the water. In most cases, a cost of from \$1 to \$3 an acre will put the land in proper condition. Experiences in other states have taught the irrigation farmer the value of proper preparation of the land. These natural advantages in Kansas are sure to attract the prospective irrigator.

"One of the most important features of irrigation development is the intelligent use of water. It has been shown by experience in western states, that beyond a certain minimum amount, the more water used the smaller the crop return, and that the best crops are being raised with amounts of water which the average irrigation farmer considers as entirely insufficient. By a more intelligent use of the waters available, we can greatly increase the irrigated area. This is a problem for Kansas. We have relatively cheap land to be irrigated with expensive water. We should make every effort to increase the duty of water if we expect Kansas to become one of our leading irrigation states."

Dr. Widdsoe of the Utah Agricultural college found that 30 inches of water applied to

1 acre produced 48 bu. of wheat  
2 acres produced 91 bu. of wheat

3 acres produced 132 bu. of wheat  
4 acres produced 166 bu. of wheat

He obtained similar results with alfalfa, sugar beets, and corn. Such experiments are of interest to Kansas where land is cheap and water is expensive.

"It is evident to me," Mr. Walker said, "that not all western Kansas farmers are adapted to irrigation farming. Many of them have lived in western Kansas too long to be able to confine their labors to a small irrigated farm since they have been accustomed all their lives to farming a section or more of land by dry-farming methods. Many of the Kansas farmers express the same sentiment towards irrigation on their own farms that is expressed by the general public towards irrigation in Kansas. A majority of the western Kansas land owners have from 160 acres to a section of land. If you suggest irrigation the land owners desire to irrigate all of this land or none at all. In the same way the general public of Kansas desires to irrigate all of western Kansas or none."

Prof. Haworth, state geologist, exhibited a large map of the underground waters of western Kansas, told of the work of the geological survey and assured his hearers that once the underflow was penetrated they need have no fear of pumping it dry. M. A. Alexander, water superintendent for the Rock Island lines in western Kansas and eastern Colorado, told of his experience with supply wells along the Rock Island and said that he had never succeeded in pumping dry any well in the district that tapped the underflow although he had pumped as high as 11 million gallons a month at a single plant.

## Co-operation Pays at Thayer

The Farmers' Co-operative Union at Thayer, Kan., has been doing quite a bit of business recently, considering the number of members it has and the length of time it has been organized. It has unloaded one car each of corn, oats, cottonseed meal and bran and shorts, and has three more cars of feed on the road. S. W. Boyd.

Thayer, Kan.



# Good Beef From Wheat Fields

## Stockers Grazed Three Months—The Market Forecast

BY C. W. METSKER, Market Editor

WHEAT fields this fall have furnished the best grazing for fattening cattle ever reported in Texas, and Oklahoma, and their usefulness in Kansas has been modified only by the scarcity of cattle. Butcher cattle supplies are principally drawn from wheat fields, and after the first of the year numbers from that source will increase.

With the exception of the choice light weight steers and heifers offered, the general run of butcher cattle has been put in flesh in the past 90 days, from grass, forage and wheat fields. They are bringing good returns on the investment. Some western cows bought at \$4.50 in September were returned to market last week, having gained more than 200 pounds. They had been on open pasture and brought \$6. Other instances of heifers taken out at \$5.75 to \$6, and returned at \$6.25 to \$7.50, showed a good gain in weight as well as prices. Butcher cattle have been the most consistent sellers all fall and probably will continue so. General scarcity is the sustaining influence in the trade. Veal calves never sold higher in any previous December than at the present time, and killers complain of a general shortage in the supply. Chicago, quoted top veals up to \$12.25, and at river markets the top was \$11. With most of the light weight grades selling at \$10 and up.

### Market Tops Last Week.

Sales at \$9 to \$10.25 were tops at markets last week. Heavy steers made no better than \$9, and the yearling class in Chicago sold as high as \$10.25. Heifers in the West sold as high as \$9.50, and steers and heifers mixed also made that level. However the regular Christmas trade is closed, but a few prime bunches may be needed to tide over the New Year holiday. This will leave the market to fall back to the merits of short-fatted classes, and few steers will sell above \$8.75, with the probability of a \$9 limit.

The short fed class trade last week was sticky though prices showed no material change. The prime finished grades were quoted stronger. From now on the West is tied up to meal-feds and wheat pastured, short-fed cattle.

### Prime Yearlings Are Popular.

Getting light weight prime beef for the Christmas trade was the chief burden of the buying side last week. The yearling class has been popular all fall, and promises to continue so up to the first of the year. As the result of the good demand in the yearling class, light weight stockers have been ruling favorites with country buyers, who will short feed for the early summer market.

The December movement showed pressure from two angles. Most of the cattle taken out in the late fall were on 60 to 90-day loans, and an unusual amount of that paper fell due this month. The high price of feed prevented a desire to renew the loans, and the only way out was to cash in. Pressure was stronger in Chicago territory than elsewhere, and many feeder say that cattle in Iowa and Illinois now are plentiful.

### Big Receipts of Hogs.

Nearly 14 million hogs were received at the five Western markets in the first three weeks in December, about 125,000 more than were marketed in the same period in 1912. Chicago shows the greatest increase, and Kansas City a slight loss. This big movement is ominous, as under weight prevailed, and losses from cholera in the months following July were large. The marketing pressure is from scarcity of corn. And would be even greater were it not for the large use of wheat in fattening younger hogs.

Cold weather would force larger use of corn or increased marketing so that many traders believe a big movement will continue into January. There is much confidence placed in late February to June markets. Farmers who are in a position to do so are holding young hogs in the open and where they have not cattle to follow will put them in dry lots shortly after the first of the year. The April and June runs will be governed largely by what effect weather conditions have on the pig crop in March.

Prices since the first of December have fluctuated about 15 to 25 cents, and last week held up to the high level. Demand has increased steadily since the first of the month, and packers are buying more freely than at any previous time this season.

### Let Up in Sheep Demand.

Dressed meat men last week knocked the sheep market 50 to 75 cents, and took repeated layouts in the trade. In the preceding week prices were run up to the highest level of the season so that at the drop last week prices were still showing well with the average of the season. Plain quality prevailed and that to some extent accounted for the recession in prices. From the corn belt a large number of lambs were marketed that had been on grass and stalk fields, and the wool was none too clean. Receipts from feed lots were small, and that movement will not get under way until after the first of the year.

Killers believe the quality of the offerings in January to April will be unusually good. Range feeders moved into the corn belt in excellent condition, and thus far the feeding season has been open, permitting excellent gains. This condition should figure a heavy market supply in January, but it is generally believed that fewer lambs are on feed now than a year ago.

The following table shows receipts of cattle, hogs and sheep at the five western markets last week, the previous week and a year ago:

	Cattle	Hogs	Sheep
Kansas City .....	42,075	74,250	34,875
Chicago .....	70,400	223,000	137,000
Omaha .....	14,800	53,800	48,600
St. Louis .....	19,350	71,500	13,950
St. Joseph .....	6,900	51,200	10,300

Total .....	153,525	473,750	244,625
Preceding week .....	151,000	441,600	252,200
Year ago .....	172,950	295,300	224,000

The following table shows the receipts of cattle, hogs and sheep in Kansas City thus far this year and the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle .....	2,090,435	1,900,603	189,832	.....
Calves .....	184,658	200,494	.....	15,836
Hogs .....	2,501,234	2,466,220	35,014	.....
Sheep .....	2,036,458	2,106,401	.....	69,943
H. & M. ....	79,912	71,341	8,571	.....
Cars .....	124,363	119,351	5,012	.....

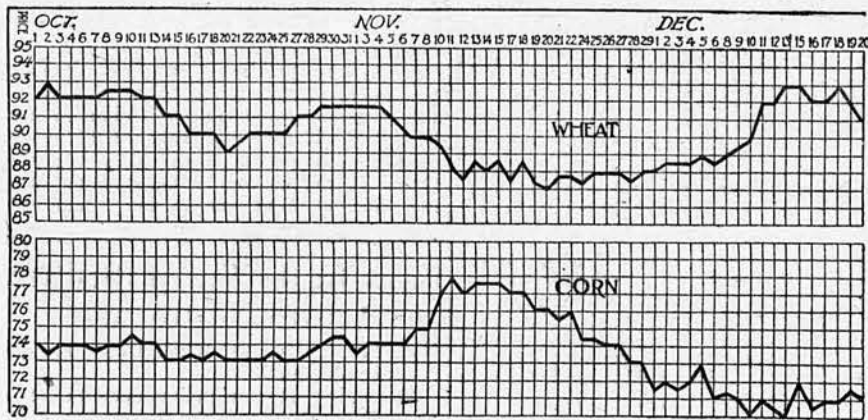
The following table shows a comparison in prices on best offerings of livestock at Kansas City and Chicago for this date and one year ago:

	Cattle		Hogs		Sheep	
Per 100 lbs.	1913	1912	1913	1912	1913	1912
Chicago..	\$9.80	\$ 9.80	\$7.85	\$7.45	\$6.65	\$6.90
Kan. City.	9.50	10.00	7.80	7.40	7.00	6.75

### Wheat Market in Weak Position.

Basing opinion on the present condition of fall sown wheat, increased acreage, and the probability that reserve stocks will show large, the position of the wheat market is weak. The government figures, based on increased acreage, and allowing 91 per cent decrease in condition between now and harvest, will make the 1914 winter wheat crop 25 million bushels larger than in 1913, and with July supply left over there will be a total of about 170 million bushels. The only conditions to reduce these estimates will be the weather, and enlarged feeding of wheat.

The cash market last week showed a narrow range in prices, with relatively more strength in soft wheat than hard



This chart shows the daily fluctuations of the Kansas City wheat and corn markets since October 1, 1913. Highest cash prices on each grain were considered in making out the chart.

wheat. Demand was dull for both and moderate receipts was the influence that prevented a decline. Mills reported general dullness in the flour trade.

The present position in corn seems less sure now than a week ago. Weakness in prices has prevailed owing to increased offerings, and the growing belief that economy in feeding is going to make the short crop reach farther than expected. However there are large sections west of the Missouri river buying freely and paying 75 to 78 cents at home stations. This is causing a movement from Illinois, Indiana, and Iowa west. There is none offered for export, and none wanted at prevailing prices. Oats are selling at 40 cents up, and demand is active.

The following comparison shows prices on best grades of wheat, corn and oats at Kansas City and Chicago for this date and one year ago:

	Wheat	Corn	Oats
Chicago..	96c	\$1.10	70c
Kan. City.	91c	1.04	71c

### Kansas City Hay Quotations.

Prairie, choice .....	\$16.50	@17.00
Prairie, No. 1 .....	15.00	@16.00
Prairie, No. 2 .....	12.50	@14.50
Timothy, choice .....	17.00	@17.50
Clover mixed, choice .....	16.00	.....
Clover, choice .....	15.00	@15.50
Clover, No. 1 .....	14.00	@14.50
Alfalfa, choice .....	17.00	@17.50
Alfalfa, No. 1 .....	15.50	@16.50
Standard .....	14.00	@15.00
Straw .....	6.00	@6.50

### Seed and Feed Prices.

Seed—Alfalfa, \$7.50@9 a hundred; clover \$8.50@11.50; flaxseed, \$1.25@1.25 a bushel; timothy, \$3.75@4.50 a hundred; cane seed, \$1.90@2.20 a hundred; millet, \$1.25@2; kafir No. 2, \$1.63@1.65, No. 3, \$1.61@1.62. Feed—Barley, 53c@57c; bran, \$1@1.02; shorts, \$1.19@1.30; rye, No. 2, 61c@62c; corn chop, \$1.30@1.31.

### Butter, Eggs and Poultry.

Elgin, Dec. 22.—Butter this week is firm at 34 cents.

Kansas City, Dec. 22.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 33c a dozen; seconds, 20c; current receipts, 31c@32c.

Butter—Creamery, extras, 32c a pound;

firsts, 28c; seconds, 27c; packing stock, 19c. Live Poultry—Broilers, 16c a pound; spring chickens, 12c; hens, No. 1, 12c; No. 2, 8c; young roosters, 11c; young turkeys and turkey hens, 17c; young ducks, 13c; geese, 11c.

### Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
1913 1912 1913 1912 1913 1912			
Chicago..	36	34	13
Kan. City	32	34	12 1/2

### Publisher's News Notes

#### Annual Insurance Meeting.

The Farmers Alliance Insurance Company of Kansas will hold its twenty-sixth annual meeting at McPherson, Kansas, January 6, at the company's office hall, at 10 a. m. Five new directors will be elected for the ensuing term of three years. Also, the report of the treasurer and secretary will be reviewed; and any and all business pertaining to the betterment of the Company may be considered.

I. F. TALBOTT, President.  
C. F. MINGENBACK, Secretary.

#### Get Factory Prices on Stoves.

If you are going to buy a stove, any kind of a stove for heating or cooking, wood range, gas range or furnace, it will pay to get the factory price on a "Kalamazoo." There are 400 styles made at the big factory, so you can surely get what you want. Get the catalog and take your pick. Everything is sold on a strict guarantee and on terms of payment if you want them. You can test them a year if you desire. The Kalamazoo stoves have been sold direct to users for over a dozen years. They have been advertised in the Farmers Mail and Breeze nearly that long and not one of our reader buyers has ever made a complaint to this paper about the stove or about the Kalamazoo methods of doing business. That is a remarkable record, and can only mean that the manufacturers deliver the goods strictly as advertised. Not only is the quality of the highest character, but the prices are always very low. Ask for catalog No. 341, addressing Kalamazoo Stove Company, Kalamazoo, Mich.

#### More Cattle at Salina.

D. S. Martin of Salina county, Kansas, says that farmers are beginning to raise their own cattle. "Already we hear about advanced prices being asked by Texas men for cattle for spring de-

### LIVESTOCK AUCTIONEERS.

J. P. Oliver Newton, Kan. Livestock and Real Estate Auctioneer. My 20 years experience insures better results.

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

JAS. W. SPARKS Live Stock Auctioneer  
MARSHALL, MO.

W. C. CURPHEY, Salina, Kansas  
Write, phone or wire for dates. Address as above.

COL. T. E. GORDON, WATERVILLE, KANSAS  
Merchandise Auctioneer. Write for open dates.

CHAS. M. SCOTT Livestock Auctioneer  
Hiawatha, Kansas

G. A. Drybread The Auctioneer  
Elk City, Kan.  
Live Stock and Farm Sales made anywhere. Prices reasonable Give me a trial. Satisfaction guaranteed.

JESSE HOWELL Herkimer, Kan.  
Livestock Auctioneer

Write or phone for dates.

Jas. T. McCulloch, Clay Center, Kan.  
Reference: The breeders I am selling for every year. Write for open dates.

B. O. BROADIE Livestock Auctioneer  
Winfield, Kas.

Satisfaction guaranteed Write or phone for dates

L. R. BRADY Manhattan, Kansas  
Livestock Auctioneer

Write or wire for dates.

Will Myers Beloit, Kan. Is already booked on leading breeders' sales in Central Kan. Choice dates still open Write or wire.

W. B. Carpenter Livestock Auctioneer  
1400 Grand, KANSAS CITY Also Land Salesman

John D. Snyder HUTCHINSON, KANSAS  
LIVE STOCK AUCTIONEER

Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

Be an Auctioneer

Travel over the country and make big money. No other profession can be learned so quickly, that will pay as big wages. Write today for big, free catalogue of Home Study Course, as well as the Actual Practice School. Next term opens Jan. 5, 1914.

MISSOURI AUCTION SCHOOL

Largest in the World. W. B. Carpenter, Pres.

1400-04 Grand Ave., Kansas City, Mo.

### SHEEP.

Oxford Rams both imported and home-bred. Ewes safe in lamb to \$300 imported ram. Can make you low prices on rams. WM. EMPIE, Amsterdam, New York.

### PUREBRED HORSES.

TWO PERCHERON Stallions

One-year-old black and bay; both from imp. stock. Prize winners at County Fair. DUROCS: 24 bays and gills 5 months old. Write for prices and particulars. CARL HEINE, LUCAS, KANSAS.

A. M. DULL & SON'S PERCHERONS

Two two-year-old black stallions for sale, sired by Black Diamond, of Brilliant breeding. Extra size, bone and quality, with style. For information, prices, etc., address, A. M. Dull & Son, Washington, Kan.

Excelsior Shetland Pony Farm

Registered and High Grade Ponies for Sale  
W. H. Fulcomer  
Belleville, Kan.

Dispersion Sale

Percherons, Jacks and Holstein Cows  
One black Percheron stallion 8 yrs. old, wt. 1900 lbs.; one dark bay colt 3 yrs. old, wt. 1900 lbs.; one dark bay imported German coach stallion 8 yrs. old, wt. 1600 lbs.; one Standard bred stallion Pictolus Ellwood No. 50245 wt. 1330 lbs.; one black mammoth bred Jack 15.2 (4 yrs. old) wt. 1100 lbs.; one black Jack 5 yrs. old wt. 1000 lbs.; Four young Holstein cows, all giving a big flow of milk and all gentle. My reason for selling these cows is that I am going to build up a pure Guernsey herd.  
O. L. THISLER & SONS, CHAPMAN, KANS.

WOLF BROTHERS are home again with a BIG IMPORTATION of the best

Percheron and Belgian

Stallions and Mares

that could be found in Europe. Write for free photographs from life

WOLF BROS., Albion, Neb.

Save \$35 to \$50

Yes sir, I'll save you \$35 to \$50 in the first cost alone on the best, most modern, most sanitary and closest skimming cream separator ever built. When you buy the

New Galloway Sanitary

—you pay just one small profit above actual cost of materials and labor. Why pay any dealer \$55 to \$110 for an inferior machine. Buy direct and save one-half. Get my

Special 1913 Offer and 90 Days FREE TRIAL

test of this machine right on your farm. The new Galloway Sanitary skims to a trace, gears run in oil—easy to run—easy to clean. Sold direct. Backed by \$25,000 bond. Write for new catalog and special 1913 offer that will help you get your machine partly or entirely without cost in the end. Write today.

WM. GALLOWAY COMPANY  
43 Galloway Station, Waterloo, Ia.

AMERICA'S FAMED HORSE DISTRICTS

This particular district, famed for Percherons. The Chandler herd noted for draftiness, substance and bone, is a strong factor in turning the tide to American-bred Percherons. Possibly not French fat, but bigger frames, stronger vitality, better feed and legs. American users love this useful type and get them from my big bunch reg. studs, yearlings to four years. Write today.

FRED CHANDLER, ROUTE 7, CHARITON IOWA.

Hampshire Sheep

12 ram lambs, \$12 each, 20 ewe lambs, \$10 each, 24 year-old ewes, \$10 each, 13 three-year-old ewes, \$10 each.

Hampshire Hogs. Three weanling boars, choice belting and type. E. S. Taliaferro, Russell, Ks.



## WHAT BREEDERS ARE DOING

**FRANK HOWARD,**  
Manager Livestock Department.

## FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 614 So. Water St., Wichita, Kan.  
John W. Johnson, 820 Lincoln St., Topeka, Kan.  
N. W. Kansas and S. Nebraska.  
C. H. Walker, N. E. Kansas, N. Missouri, 1826 East 37th St., Kansas City, Mo.  
Ed R. Dorsey, S. E. Kansas and S. Missouri, Girard, Kan.

## 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.

## Poland China Hogs.

Jan. 20—Roy Johnston, South Mound, Kan.  
Jan. 31—A. D. Jones, Dunlap, Iowa.  
Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.  
Feb. 11—H. C. Graner & Son, Lancaster, Kan.  
Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.  
Feb. 13—W. E. Bley, Diller, Neb.  
Feb. 17—L. E. Klein, Zeandale, Kan.  
Feb. 18—J. H. Harter, Westmoreland, Kan.  
Feb. 19—W. Z. Baker, Rich Hill, Mo.  
Feb. 19—J. L. Griffiths, Riley, Kan.  
Feb. 20—A. J. Swingle, Leonardville, Kan.  
Feb. 24—M. T. Shields, Lebanon, Kan.  
Feb. 24—W. R. Webb, Bendena, Kan.  
Feb. 27—W. A. Davidson, Simpson, Kan.  
Mar. 4—John Kimmerer, Mankato, Kan.  
March 24—Herman Groninger & Sons, Bendena, Kan.

## Duroc-Jersey Hogs.

Jan. 23—C. E. Clauff, Central City, Neb.  
Jan. 29—W. E. Monasmith, Formoso, Kan.  
Jan. 30—N. B. Price, Mankato, Kan. Durocs.  
Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.  
Feb. 3—Howell Bros., Herkimer, Kan.  
Feb. 6—Leon Carter, Asherville, Kan.  
Feb. 9—E. A. Trump, Formoso, Kan.  
Feb. 10—Agricultural College, Manhattan, Kan.  
Feb. 11—Thompson Bros., Garrison, Kan.  
Feb. 13—Geo. W. Schwab, Clay Center, Neb.  
Feb. 21—Dana D. Shuck, Burr Oak, Kan.  
Feb. 25—A. T. Cross, Guide Rock, Neb.  
March 7—E. G. Munsell, Herington, Kan.  
Mar. 11—W. W. Otey & Sons, Winfield, Kan.  
Mar. 12—G. C. Norman, Winfield, Kan.  
March 25—W. H. Mott, Herington, Kan.

## Berkshires.

Feb. 10—Agricultural College, Manhattan, Kan.

## O. I. C.'s.

Feb. 3—Chas. H. Murray and H. L. Bode, combination sale, Friend, Neb.

## Hampshire Hogs.

March 14—Roy E. Fisher, Winside, Neb.

## Jersey Cattle.

Mar. 5—Everett Hayes, Hiawatha, Kan.

## Hereford Cattle.

Jan. 28—Mousel Bros., Cambridge, Neb.  
Feb. 19-20—Nebraska Hereford Breeders' Assn. sale at Grand Island, Robt. Mousel, Cambridge, Neb., Mgr.

## Percheron Horses.

Jan. 8—C. W. Lamer, Salina, Kan.  
Jan. 27—Lee Bros., Harveyville, Kan.; sale at Manhattan, Kan.  
Feb. 25—J. C. Robinson, Towanda, Kan.  
March 19-20—North & Robinson, Grand Island, Neb.

## Percherons, and Other Draft Breeds.

Jan. 27-28-29-30, 1914—Breeders' Sale, Bloomington, Ill. C. W. Hurt, Mgr., Arrowsmith, Ill.

## Jacks and Jennets.

Feb. 7—Jas. A. Godman, Devon, Kan.  
Feb. 24—H. T. Hineman & Sons, Dighton, Kan., and Dorsey Hutchins, Sterling, Kan. Sale at Sterling.  
Mar. 9—G. C. Roan, La Plata, Mo.

## Combination Livestock Sale.

Feb. 12-13—L. E. Wooderson, Mgr., Caldwell, Kan.

## S. W. Kansas and Oklahoma

BY A. B. HUNTER.

J. C. Kerr of Wichita, Kan., will hold a breeders' sale at Wichita, February 18. If you have jacks, jennets, registered stallions or mares to sell, write for particulars.

G. C. Norman reports good sales on his Duroc-Jersey hogs. He says one of these boars, by Graduate Col. and out of Helress Royal is the best pig he ever raised. Mr. W. A. Shaeffer of Newkirk, Okla., was the lucky buyer. Mr. Norman has two fall yearling boars and five spring boars for sale. They are good ones and will be priced worth the money. Graduate Col. boars are always in demand. Write your wants to Mr. Norman and mention Farmers Mail and Breeze.

## Combination Live Stock Sale.

L. E. Wooderson, Caldwell, Kan., manager of the regular annual sale of purebred livestock at Caldwell, reports that indications are fine for one of the best sales ever held at Caldwell. Consignors are beginning to list their stock with Mr. Wooderson. If you are expecting to sell in this sale send a list with a description of your stock to L. E. Wooderson, Caldwell, Kan.

## Holstein Cattle Sale.

Be prepared to attend L. T. Sheppard's cattle sale, at Hutchinson, Kan., Tuesday, December 30, if you want pedigree or high grade Holstein dairy cattle. Remember there will be sold 10 head of registered Holsteins, consisting of cows, bulls, heifers and calves rich in the best blood of the breed, also 15 head of high grade cows and heifers, all but one of breeding age. Also five Jersey cows in milk and soon due to calve. Twenty-five head of young, high grade Shorthorns will also be sold. Among

the Shorthorns are some with pedigrees furnished. Be present sale day for bargains. Read display ad on another page.

## N. W. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

The Mitchell county fair association cleared \$1,000 this season and the patrons of the fair were better pleased than ever with the entertainment. Senator E. C. Logan, the old president of the association, was elected secretary last year and was again chosen by the association as its secretary. The fair is one of the most successful county fairs in the state and is run without races.

Chas. H. Murray and Henry Bode, two of the best known O. I. C. breeders and exhibitors in the West, will hold a combination sale of bred sows at Friend, Neb., Tuesday, February 3. They will sell about 50 sows and gilts and they will be bred to six as good herd boars as can be found anywhere. It would be a good plan to have Chas. H. Murray, Friend, Neb., book you for a catalog right now and you will receive it as soon as it is off the press. Mention Farmers Mail and Breeze when writing.

Leon Carter, Asherville, Kan., is getting ready to put up the greatest offering of Duroc-Jersey bred sows ever offered at auction on the Solomon valley. The offering will number at least 50 head and will certainly be a topsey lot. The date of his sale is February 6. We will have further information about the offering later. Dreamland Col. and River Bend Col. are two popular sires and much of the offering will be bred to these boars and most of the gilts are by them. You can ask Leon Carter, Asherville, Kan., for a catalog any time.

Mr. J. W. Berry, Jewell City, Kan., is advertising Jersey cattle in the Jewell county breeders' section. He writes that he has received 80 inquiries and is out of bred cows but has a dozen heifers coming two, bred to freshen in January, February and March, which are for sale. Also four fall yearlings that are bred. Also six heifer calves about 10 months old that are for sale. Look up Mr. Berry's advertisement in the Jewell county breeders' section in Farmers Mail and Breeze and write him for prices and descriptions. Mention this paper when you do so.

## Kansas Auctioneers' Meeting.

The Kansas State Auctioneers' association meets in Salina, Kan., December 29-30. Their meetings will be held in the chamber of commerce in that city and the National hotel will be their headquarters. A good attendance is looked for and a profitable and pleasant time is assured. The auctioneers of Kansas are the jolliest and best lot of fellows in the world and are boosters for everything worthy of a boost. Their association is one of the strongest in existence and its object is to strengthen the profession wherever possible. J. I. Stampfor is president and W. C. Curphey, Salina, Kan., is secretary.

## Arnold &amp; Brady's Holstein Cows.

Under date of December 15 L. R. Brady wires from Wisconsin that he is starting for Kansas with the best bunch of high grade Holstein cows that he has ever seen come into the state. Mr. Brady is one of the leading auctioneers of Kansas and a veterinarian of unusual ability. His knowledge of livestock is equal to that of any man in the state. He made a personal inspection of these cattle and will guarantee

## JACKS AND JENNETS.

**REGISTERED, BIG BONED.**  
black Jacks and Jennets.  
Fine individuals, best breeding.

PRICE AND TERMS RIGHT.  
J. H. Smith, R. R. 3, Kingfisher, Okla.

## Kentucky Jack and Percheron Farms

200 head of big bone, Kentucky, Mammoth Jacks, Percherons and saddle horses. Special prices in half car and car load lots. Write your wants or visit our farms. 2500 bushels of bluegrass seed. Cook & Brown, Props., Lexington, Ky.

## JACKS and JENNETS

80 large boned, black Mammoth Jacks, 15 to 16 hands, standard. Guaranteed and priced to sell. The kind all are looking for; also good young Percheron stallion. References: 5 banks of Lawrence. 40 miles west of Kansas City, on Santa Fe and Union Pacific.  
AL. E. SMITH, Lawrence, Kan.

## Jacks and Jennets

25 head of Black Jacks from 14½ to 16 hands coming 3 to 6 years old; all stock guaranteed, as represented when sold. Also some good jennets.

## PHIL WALKER

Moline, Elk County, Kansas.

## HAMPSHIRE.

## SPECIAL PRICES

on Pedigreed young Hampshire boars, bred sows and gilts. Call on or write.  
J. F. PRICE, Medora, Kan.

Registered Hampshires Spring boars and gilts priced to sell. Every hog properly vaccinated. C. E. LOWRY, OXFORD, KANSAS

**HAMPSHIRE HOGS** FOR SALE. Some fine spring boars and gilts. Also weanlings. All well belted. Price Moderate.  
E. G. L. HARBOUR, BALDWIN, KAN.

## Pure Bred Hampshires

Some extra choice, well-bred spring boar pigs for sale. ALVIN LONG, Lyons, Kansas.

## F. H. PARKS, Olathe, Kansas

Dear Sir—The Hampshire Sows arrived in good shape and am well pleased with them.  
FERRYMAN RANCH, El Dorado, Kansas.  
We receive letters just like this after every shipment.

## 54-Percheron Stallions-54

We have fifty-four as good Stallions as can be found in any herd from coming two year to five-year-olds. We can sell a better and bigger stallion for the money than any firm in the business. We fully guarantee every stallion. Write us what you want.

## BISHOP BROS., Towanda, Kansas

Towanda is 22 miles east of Wichita on Mo. P. Ry.



## Johnson's Shetland Pony Farm

Write me, regarding Shetland Ponies. I have for sale 40 to 50 head of fine ones, spring colts, yearlings, coming two and matured stock. Registered mares or stallions. My herd runs strong to spotted, black and white, and I have Nebraska State Fair winners. Let the children have a pony. My prices are reasonable and every pony is guaranteed as represented. Write me now while I have a fine offering of spring colts on hand.

H. H. JOHNSON, CLAY CENTER, NEBRASKA.

## Blue Valley Stock Farm

Largest importers of high-class Belgian Draft Horses in the West. Prize winners in Europe and America. Sound, acclimated and ready for service. Our American-bred stock goes back to the blood of BRIN D'OR or his descendants. Lowest prices and safest guarantee of any firm in the business. Also a few extra good Percheron stallions. Come and see us, or write.

W. H. Bayless & Company, Blue Mound, Linn County, Kan.



## Imported Percheron Stallions

Each year I select 35 or 40 horses in France, so good and so correct in type, that any one of them will prove a great benefit to the man who buys him. I have a new lot now. At the Shows of the Southwest Circuit, our horses won every Championship and every Group of Five in 1913, as they have done most of the past five years. Our horses are handsome—our contract just and right—our insurance the very best. Come or write.

## PERCHERON IMPORTING COMPANY

Charles R. Kirk,

St. Joseph and South St. Joseph, Mo.



## Percherons and Belgians

The best lot of imported two and three-year-olds in the West. Am going to sell them down very reasonably and give an absolute gilt-edged guarantee good two years. Come and see them.

Dr. W. H. Richards, Emporia, Kansas

Barn, 4 blocks from A. T. & S. F. Depot.

## Breeders' Sale—400 Registered 400 Horses

In Coliseum, Bloomington, Illinois, JANUARY 27, 28, 29 and 30, 1914. 300 Imported and Native Bred Registered Percherons, Belgians, French Draft, Shire and Clydesdale Stallions and Mares.



100 Head of Imported Stallions and Mares that will land by sale day.  
100 Head of Imported Stallions and Mares that have been here a year.  
100 Head of the Best Registered Mares that ever went into an auction ring.  
50 Head of Imported Fillies, 1 and 2 years old.  
100 Reg. Stallions of the very choicest breeding and individuality.  
100 Reg. Trotters GRADE DRAFT, Stallions and Mares.  
100 Head Ponies Imp. and Native Bred Registered Shetland and Welsh.

Catalogue Ready January 12, 1914.

D. AUGSTIN, C. W. Hurt, Mgr., Arrowsmith, Illinois

## Robison's Percherons

175 Head on the Farm. Stallions and Mares all ages for sale. Herd headed by the Champion Casino 27830 (45462). Send for farm catalog.

J. C. ROBISON, Towanda, Ks.



## 125 Stallions and Mares CHEAPEST PLACE IN AMERICA TO BUY.

One Dollar Saved is Two Earned.

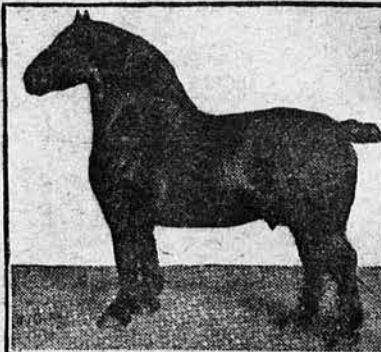
## THIS IS WHAT WE DO FOR YOU.

American bred draft horses as low as \$300. One hundred imported horses, the cream of Europe at prices unequalled on earth. Two-year-olds from 1650 to 2000 pounds now—with a world of bone and quality. 40 head of real brood mares; big, rugged; matched pairs of blacks, grays and bays; all bred and safe in foal by our herd horse.

We more than meet competition, we create it.

Write and see what we say.

L. R. WILEY, Route No. 9, Emporia, Kansas.





## O. I. C. HOGS.

**ELM BROOK HERD OF O.I.C.'s.**  
Harry W. Haynes, Meriden, Kan.

**50 O. I. C. Pigs** Henry Kamping, Elmore, Kansas.

**Registered Herd Boar, 400 lbs. \$50**  
80 Fall pigs, either sex. New blood for old customers. F. C. GOOKIN, RUSSELL, KAN.

**Murray's O.L.C. Bred Sows**  
and gilts for sale. Fall and spring boars and fall pigs of both sexes. Chas. H. Murray, Friend, Neb.

**SUNNYSIDE O. I. C. HOGS**  
Boars and gilts ready for service. Pairs not related. Best breeding. Priced to suit. W. H. LYNCH, READING, KANSAS.

**EDGEWOOD O. I. Cs.**  
Three extra good early spring boars, also big growthy April gilts, open or bred to order. A few choice fall pigs. Mention Mail and Breeze. Henry Murr, Tonganoxie, Kan.

**Grandview Stock Farm**  
Herd headed by O. K. Wonder. Choice O. I. C. May boars. January and May gilts bred or open. Priced for quick sale. ANDREW KOSAR, DELPHOS, KANSAS.

**BOARS! BOARS! BOARS!**  
A great line of spring O.I.C. boars, large and growthy and priced at rock bottom prices to move them quickly. Booking orders on fall boars and gilts for December delivery. JOHN H. NEEF, BOONVILLE, MISSOURI.

## POLAND CHINAS.

**Polands With Size and Quality** Boars and bred sows for sale, sired by Weathers Refers and King Hadley. Cholera immune. Lambert Bros., Smith Center, Kan.

**20 March Boars** by Blue Valley Look, King Hercules, Big Ben (Phander) and Ott's Big Orange. (J. O. James, Mature dams. J. F. FOLEY, (Norton Co.), Oronoque, Kan.

**Sunny Side Poland Chinas** Pigs of September, 1913, farrow for sale. Have sold all my spring boars and bred sows. J. G. BURT, Solomon, Kansas.

**100 SPRING PIGS** Sired by King Hadley, King Blain, Jr., King John and Long John 2nd; priced right and guaranteed. W. Z. BAKER, RICH HILL, MISSOURI.

**Bargains in POLAND CHINA BOARS**  
6 November yearlings and 7 March and April boars, sired by Cavett's Mastiff. Prices low and satisfaction guaranteed. A. L. ALBRIGHT, Waterville, Kansas.

**KLEIN'S TABOR VALLEY HERD**  
Some choice January Poland China boars by Chief Price 61007. Also two Sept. boars same breeding. Fall gilts, bred or open. Tops of 30 February boars. All out of big mature dams. Satisfaction guaranteed. L. E. KLEIN, Zeandale, Kan.

**200 Head of Poland Chinas**  
To Be Closed Out in 90 Days  
100 early spring pigs, 70 summer and fall pigs, 30 brood sows by A. Wonder, King Hadley, Big Joe, Long King's Equal, Big Defender, etc. Send for prices. HOWARD ZAHN, Concord, Illinois.

**EVER GREEN STOCK FARM**  
Offers 20 extra good Poland China bred gilts, 10 boars that will weigh 200 pounds and 60 fall pigs good enough for 1914 prize winners. Extra large type. E. E. CARVER & SON, Guilford, Missouri.

**LARGE WITH PLENTY OF QUALITY**  
Handsome young boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers. Satisfaction guaranteed on all breeding stock. Oliver & Sons, Danville, Kan.

**Large Type Polands**  
Spring and fall yearling boars, large mellow fellows. Large smooth bred gilts and 10 extra good brood sows. Best of big type blood. Write today. A. R. ENOS, Hamona, Kan.

**Joe Baler's Polands**  
40 spring boars, a few choice fall boars, sows and gilts bred or open. Satisfaction guaranteed. Let me know what you want. J. M. BAKER, ELMO, Dickinson Co., KAN.

**Poland Chinas That Please**  
For a number of years we have bred the best type of Poland Chinas. Our males have gone to the best Big Type herds in America. We have 100 more to sell. P. L. WARE & SON, PAOLA, KANSAS.

**15 Spring Boars**  
tops from 32, sired by Mogul's Monarch, Dehart, and Long King. Also two good fall yearlings. Gilts reserved for Feb. 18 bred sow sale. Write for descriptions and prices. J. H. HARTER, WESTMORELAND, KAN.



**1000 lb. Grand Champion, 11 in. bone**  
50 pigs, either sex, this fall farrow, sired by Kansas Mow and out of sows by Advance. Others sired by Advance. These pigs are fine and priced for quick sale. Paul E. Haworth, Lawrence, Kansas.

every one of them to be absolutely sound. They are all tuberculin tested and in good condition. These cows will be on sale at Manhattan during farmers' week at the Agricultural college. For further particulars address Arnold & Brady, Manhattan, Kan.

## Missouri Buys Kansas Cattle.

F. B. Callaway, of the State Hospital of Nevada, Mo., recently visited Chas. Morrison & Sons' ranch near Phillipsburg, Kan., and selected from their Red Polled herd of cattle 19 cows and heifers and a very fine bull. These cattle will be placed on the state farm at Nevada. The selection was made with a view to both milk and beef production. The Morrison herd is noted for its heavy milking cows and their calves with proper care have weighed as much as 1,200 pounds as yearlings. Mr. Morrison also sold recently to Sollner & Heiser of Downs, Kan., two good cows. This is the second purchase this firm has made from the Morrison herd this year. Their first purchase consisted of six head. These gave such good returns that Messrs. Sollner and Heiser concluded to dispose of their grade cattle and go into the Red Polled business, exclusively. Jas. Smith of Manco, Colo., recently bought a very fine bull from Messrs. Morrison. There are no yearling bulls on the farm at this time but they have 14 good bulls under a year old. This is a very even lot and most of them are sired by Crema 22d. If you want strictly high class Red Polled cattle write Chas. Morrison & Sons of Phillipsburg, Kan., and mention Farmers Mail and Breeze.

## Hereford Winners at Auction.

Mousel Bros., Cambridge, Neb., sell 70 head of Herefords at that place January 25. Their entire show herd is included in this offering and many of them are fresh from victories at the International, including Mischief Maker 36, the first prize senior heifer calf which was pronounced by a prominent Hereford authority to be the best senior heifer calf shown in years. The entire show herd goes to the big Denver stock show in January for further victories and will arrive home just in time for the sale. The sale will contain some of the best herd bull prospects that Mousel Bros. have ever offered. The cows and heifers are bred to Beau Mischief and Sensation and most of the heifers are the sire of most of their show herd and the superiority of this great sire was never more clearly demonstrated than at the International this season. Mousel Bros. are among the most prominent Hereford breeders in the country and are well known both as breeders and exhibitors. They are young men with high ideals in the business and are doing more than their share for the Hereford breed. If you are at all interested they will be glad to mail you their catalog. Ask them for it now. They will be pleased to have you tell them in what paper you saw their sale mentioned. Address Mousel Bros., Cambridge, Neb.

## Lee Bros.' January Sale.

Lee Bros., Harveyville, Kan., were big winners in the principal western shows this season with their string of Percherons. "Blue Ribbon Stock Farm," the home of Lee Bros. Percherons, was visited last week by the writer. They are getting ready for their big Percheron sale at the Agricultural college, Manhattan, Kan., January 27 and we were shown the 30 Percheron stallions and mares that go in this sale. The writer is convinced that this offering is one of the greatest offerings ever made in the West. Those familiar with Percheron affairs know of the winnings that Lee Bros. made in the shows this season and the information that this offering includes the entire show herd with the exception of Scipion, their great herd stallion and the champion mare which was sold to go to Honolulu will readily convince everyone that it is indeed a remarkable offering. In the mare offering are ten two-year-old fillies, eight that are three years old and four aged mares, all bred to Scipion. There are three yearling fillies and one under a year old. There will be two aged stallions, one three-year-old and four two-year-old stallions. The four 2-year-olds will weigh over four tons. Four yearling stallions will weigh from 1,400 to 1,700 pounds sale day. Also two splendid weanling stallions. Every horse that goes in this sale will be perfectly sound except one filly that has a wire cut. In their sale at the Agricultural college last January Lee Bros. made a host of friends because of their methods of doing business. They cordially invite all of the patrons of that sale to be present at their big sale January 27. They are not expecting big prices in this sale and every animal that goes in the sale ring will go to a new home. It is a real pleasure to recommend such men as Lee Bros., and their great Percherons to prospective buyers. They are young men of sterling character and are devoting their lives to the Percheron interests. If you are at all interested in this great Percheron sale you had better ask them at once to put you on their book for their big handsomely illustrated catalog. In asking them about this sale they will be pleased to have you tell them in what paper you saw it mentioned. Better drop them a line today for the catalog.

## N. E. Kansas and N. Missouri

BY C. H. WALKER.

G. C. Roan, owner of Cloverleaf Valley Jack Farm, La Plata, Mo., announces that he will hold his annual Jack and Janet sale on March 9. He has bought the entire Lime Stone Valley sales herd from L. M. Monsees & Son. Mr. Roan's catalog will be ready to mail by February 1. If interested in this big Jack sale write him at once to place your name on his mailing list. Kindly mention this paper when writing.

## Webb's Great February Offerings.

One of the very few sales of Poland China bred sows to be held in northeast Kansas this winter will be the W. R. Webb sale at Bendena, on February 24. Mr. Webb has been planning for this sale for more than a year and has brought along a great lot of yearling and matured sows for the event. These are mostly by the great breeding Boar, Ex. B., and a son of the prize winning Big Tom and are a collection of high class sows that show really what this great expansive boar can do in the breeding line. They are out of the Webb herd sows, which have ranked with the best in the state for a long time. These sows will be bred for reasonably early litters to Ex. B. Webb's Blue

## Joe Hemmy's Graham County Herd of Polands.

**Herd Boars:** GOOD QUALITY. HEMMY'S HADLEY, by Blue Valley Quality. by Spangler's Hadley. Spring boars for sale. Also fall boars just weaned. Prices reasonable. **JOE HEMMY, HILL CITY, KANSAS.**

## Dean's Mastodon Poland Chinas

Serviceable boars and bred sows and gilts. I have some 3-year-old sows 65 inches long, bone 8½ in. and 34 inches high. VACCINATED AND IMMUNE. Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Phone Dearborn; station, New Market, and postoffice, Weston, Mo. Address **CLARENCE DEAN, WESTON, MISSOURI.**

## Robinson's Mammoth Poland Chinas!

My herd boars weigh from 300 to 1,025 lbs. Now have for sale the greatest lot of spring pigs I've ever raised. Sired by one of my prize winning boars and sows. Get my prices, description and guaranty. My terms are: If you are not satisfied return the hog and I return your money. **F. P. ROBINSON, Maryville, Mo.**

## BERKSHIRES.

**BUY BERKSHIRES** FROM SAYERS. They sell SHORTHORN BULLS too. J. T. Bayer & Sons, Yates Center, Kan.

**Hazlewood's Berkshires!**  
Choice spring boars and gilts priced to sell. Write today. W. O. Hazlewood, R. 3, Wichita, Kansas.

**BERKSHIRES - TURKEYS**  
For sale: One good 15 months' old boar, six choice March and April boars. Also spring gilts shipped open or will breed. 16 Bourbon Red Toms. Write **J. M. NIELSON, MARYSVILLE, KANSAS.**

## Walnut Breeding Farm

BERKSHIRE boars and gilts, spring farrow, grandsons of Barron Duke 50th, Big Crusader and Masterpiece 77000 and out of Lord Premier sows. Also an imported bred outstanding 2-year-old boar and a few good Hereford bull calves. Leon Waite, Winfield, Ks.

## BIG TYPE UNPAMPERED BERKSHIRES

150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Trustype, King's Trustype, and the great show boar King's 10th Masterpiece. All long, large and heavy boned. Sows farrow from August 1st to December 1st. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. **E. D. KING, Burlington, Kansas.**

## Royal Scion Farm Durocs

The great Grandduta Col. assisted by Col. Scion, heads this herd. Fall and spring boars, fall and spring gilts bred or open and fall pigs, either sex. **G. C. NORMAN, R. 10, WINFIELD, KANSAS.**

## Jewell County Breeders' Association

Members of this association, advertising below will offer nothing but first class animals for sale for breeding purposes. **F. W. Davington, Pres.** **I. W. Kyle, Secy.**

**O. I. C. HOGS.**  
**O. I. C. SEPTEMBER PIGS**  
for sale also White Holland Turkey toms. **DE. W. W. SPENCER, Mankato, Kansas.**

**POLAND CHINAS.**  
**A. H. REYSTAD, Mankato, Kan.**  
Breeder of high-class Poland Chinas. Member Jewell Co. Breeders Association. Correspondence solicited.  
**Polands, Shropshire Sheep** 100 Spr. pigs, both sexes, strictly big type. Ram lambs. Write for prices. **Ira M. Swihart & Son, Webber, Kan.**

**50 BIG BOARS** Spring farrow. Big and smooth. Priced to sell. Also choice gilts. Bred Sow Sale March 10. **JOSHUA MORGAN, HARDY, NEBR.**

**Three June Boars** sired by Jumbo have ever raised. For sale right. Bred Sow Sale March 4. **JOHN KEIMMERER, Mankato, Ks.**

**Six Fall Boars** that are good for sale reasonable. Big growthy kind. **IRA C. KYLE & SON, MANKATO, KAN.**

**FALL AND SPRING BOARS** for sale. Also spring gilts and summer yearlings. Bred Roars, R. I. Reds and W. Wyandottes. **W. A. MCINTOSH, Courtland, Kan.**

**PRIVATE SALE** Spring boars and gilts. Also fall gilts. Best of big type breeding. Ask for prices and descriptions. **TUBOR J. CHARLES, Republic, Kan.**

**DUROC-JERSEYS.**  
**Durocs - Bourbon Red Turkey** Spring boars priced low if you write at once. Bourbon Red Turkey at \$3.00 each. **E. M. MYERS, BURR OAK, KANSAS.**

**Marsh Creek Durocs** Headed by Crim son Defender. Sold out on Boars. Something choice later. Everything immune. **R. F. Wells, Formoso, Kan.**

**25 SPRING BOARS** of fashionable breeding. Priced to sell. Bred sow sale January 24. Ask for prices and descriptions. **N. H. PRICE, Mankato, Kan.**

**Fall Boars and Gilts** Sired by Model Chief and Crim son Burr. Pairs and trios not related. Bred Sow sale at Burr Oak, Feb. 21. **DANA D. SHUCK, BURR OAK, KAN.**

**50 Duroc Bred Sows** Feb. 9. Five spring sows for immediate sale. Good. Write for Bred sow catalog. **E. A. TRUMP, FORMOSO, KANSAS.**

**SPRING BOARS** for sale reasonable. Write for descriptions and prices up to date breeding. Also a few gilts. **R. C. MADSEN, JEWELL CITY, KAN.**

**10 Good Spring Boars** priced right. Write for more info. **JOHN McMULLEN, Formoso, Kansas.**

**40 SPRING PIGS** of March and April farrow. Priced to sell. No public sale this season. **O. G. THOMAS, WEBBER, KANSAS.**

## BERKSHIRES.

**25 - Boars, Sows - 25 BERKSHIRES**

**Cholera Proof**  
If you want the real good kind we have them. **SUTTON FARM, Lawrence, Kan.**

## Berkshire Pigs

Choice pigs, either sex, 10 to 16 weeks old, sired by ROBINHOOD PREMIER 2d, or Adam, a son of Rival's Lord Premier. Nothing but the very choicest specimens shipped. Price: registered, crated F. O. B. here - one \$20; two \$35; three \$50. **W. J. CRIST, Ozawie, Kas.**

## BIG TYPE UNPAMPERED BERKSHIRES

150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Trustype, King's Trustype, and the great show boar King's 10th Masterpiece. All long, large and heavy boned. Sows farrow from August 1st to December 1st. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. **E. D. KING, Burlington, Kansas.**

## Royal Scion Farm Durocs

The great Grandduta Col. assisted by Col. Scion, heads this herd. Fall and spring boars, fall and spring gilts bred or open and fall pigs, either sex. **G. C. NORMAN, R. 10, WINFIELD, KANSAS.**

## Jewell County Breeders' Association

Members of this association, advertising below will offer nothing but first class animals for sale for breeding purposes. **F. W. Davington, Pres.** **I. W. Kyle, Secy.**

**HAMPSHIRE HOGS.**  
**HAMPSHIRE PIGS** of Spring farrow. Priced reasonable. Also unusually good herd boar proposition. **ROY HAGGART, MANKATO, KANSAS.**

**SHORTHORNS.**  
**Oscar Green's Shorthorns** Popular breeding. Stock for sale. A good herd bull proposition. **OSCAR GREEN, MANKATO, KANSAS.**

**POULTRY.**  
**R. C. White Wyandotte** Cockerels, choice stock \$1.00 each. If taken soon. Also 7 Duroc Jersey boars, Chilcott Poultry and Stock Farm, Mankato, Kan.

**White Holland Turkeys** Toms \$4.00 to \$6.00. Hens \$3.00. 50 for sale. My Duroc Jersey bred sow sale Jan. 29. Everything immune. **W. E. Monasmith, Formoso, Kan.**

**White Holland Turkeys** White Rocks, White Cochins, Pekins, Ducks, White Fan Tail Pigeons. Stock for sale. **A. T. Garman, Courtland, Ks.**

**GUERNSEY CATTLE.**  
**W. E. EVANS, Jewell, Kan.**  
Breeder of Guernsey cattle. Nothing for sale now, but watch this space.

**JERSEY CATTLE.**  
**Jersey Heifers** that will freshen in Jan., Feb. and March. Four fall yearlings bred, six heifer calves 10 months old. Write for prices. **J. W. Berry, Jewell City, Kan.**

**D. S. POLLED DURHAMS.**  
**Cows and Heifers** also last spring bull calves at \$100 each if sold this fall. **R. T. VAN DEVENTER & SON, Mankato, Kansas.**

**PERCHERONS.**  
**PERCHERON Stock for sale.** Always good horses. In service. **H. G. MYERS, HARDY, NEB.**

**AUCTIONEERS.**  
**John Brennon & Son, Jewell, Kansas.** **WRITE OR PHONE FOR DATES.**

**M. S. HOYT, MANKATO, KAN.** Write or phone **Livestock Auctioneer** for dates.

**Frank Regan, Livestock Auctioneer** **ESBON, KAN.** WRITE OR PHONE FOR DATES.

**Ole Hanson, Livestock Auctioneer** **Mankato, Kan.** Write or phone for dates.

**DAN CALLAGHAN, Jewell City, Kan.** **LIVESTOCK AUCTIONEER** Write or phone for dates.



## DUROC-JERSEYS.

**Smith's Durocs** Fashionably bred boars, including grandsons of the great Graduate Col., and a herd-leading son of the champion, Tatarax. Also spring boars. J. R. SMITH, NEWTON, KANSAS

**MODEL AGAIN** Duroc boars, \$15.00 Bred gilts, \$35.00 Immune. R. W. BALDWIN, Conway, Kan.

**Dreamland Col.—Riverbend Col.** March boars by these sires. Prices right. Write for descriptions and prices. Leon Carter, Asherville, Kans.

**PIGS BY THE GRAND CHAMPION** I am offering 25 Duroc-Jersey male pigs by Col. Wonder, 1st at the Mo. State Fair 1912, 1st and grand champion Mo. State Fair 1913. Write CHAS. L. TAYLOR, Olean, Missouri

**DUROC-JERSEYS** Herd boar, by Watson's Col., 6 tried sows and fall pigs. Best of breeding. R. C. WATSON, Altoona, Kansas

**PERFECTION STOCK FARM** Duroc-Jersey boars, Nov. and Dec. farrow, sired by sons of B. & C's Col., Buddy K IV and Grand Master Col. First Choice \$25; second choice, \$20 for next 30 days. Weight 150 to 175 lbs. CLARENCE BROS., Union City, Oklahoma

**MCCARTHY'S DUROCS** Handsome fall pigs, either sex. Champion blood on both sides. Priced for quick sale. They will please you. Daniel McCarthy, Newton, Kan.

**DUROCS OF SIZE AND QUALITY** Herd headed by a son of B. & C's Col. Immune spring boars and gilts of Tatarax, Col., Ohio Chief and Nob. Wonder breeding at farmers' prices. JOHN A. REED, Route 2, Lyons, Kansas.

**Duroc-Jerseys—Big Type** Big, strong yearling boars. Early spring boars, summer boars and small boar pigs. Any kind of Durocs you want. Also Red Polled bulls, and Fecund stallions. Satisfaction guaranteed. Prices right. GEO. W. SCHWAB, CLAY CENTER, NEBRASKA.

**CROCKER'S IMMUNE DUROCS** 250 early spring pigs, Duroc-Jerseys, for sale. I ship on approval. No money down before inspection. Prize winning sires. F. C. CROCKER, Filley, Neb.

**Red White and Blue Herd of Durocs** FIRESTONE (139461) Champion winner weighed 500 pounds at 11 months old. WHISKEY and FAITH 12317 Grand Champion at American Royal, weighed 500 lbs. at 18 months old. Great lot of prize sows in my herd. JAS. L. TAYLOR, OLEAN, MISSOURI.

**Maplewood Farm Durocs** A few very choice March boars for sale reasonably. Choice spring gilts bred to order or open. Bred sow sale March 25. W. H. MOTT, HERINGTON, KANSAS.

**TATARRAX Herd DUROCS** Write us to lay describing the kind of Duroc boar you want. We have the best young boars we ever raised. They are by G. M.'s Tat Col., and the grand champion Tatarax. Prices reasonable. HAMMOND & BUSKIRK, NEWTON, KAN.

**Bonnie View Durocs** Bred gilts and fall pigs for sale. They are sired by Grand Champion Tat-A-Walla and S. & C's Col. Searle & Cottle, Berryton, Kansas.

**HILLSIDE DUROCS** Some very choice fall boars and gilts sired by Dandy Model (by Dandy Lad and out of Lincoln Model) and out of high class sows. W. A. WOOD & SON, ELMDALE, KANSAS

**Quivera Place Durocs** Spring Pigs now ready and going. Write for prices. E. G. MUNSSELL, Herington, Kansas.

**Stith's DUROCS** Sows and gilts bred to and young boars and gilts by Model Duroc, one of the best sires of the breed. His half brother and sister were grand champions. His sire was a champion. Write today. CHAS. STITH, Eureka, Kansas

**Good E. Nuff Again King** Sensational Grand Champion, and Crimson Wonder 4th, second prize, Kansas Fair, 1913. Fifty head of great sows and gilts sired by and bred to these great boars. W. W. OTEY & SONS, Winfield, Kansas. "The men with the guarantee."

**BANCROFT'S DUROCS** We hold no public sales. Nothing but the best offered as breeding stock. March and April boars and gilts weighing 175 lbs. and up, \$25.00. Gilts bred to order for spring litters, \$35.00 each. Sept. pigs about Nov. 1st, \$12.50 each. Customers in 10 states satisfied. Describe what you want. We have it. D. O. BANCROFT, OSBORNE, KANSAS.

## MULE FOOT HOGS.

**Mule-Footed Hogs** The coming hogs of America; hardy; resist disease, the best rustlers known; pigs ten to sixteen weeks old, \$30 pair. Circular free. DR. W. J. CONNER, LABETTE KANSAS.

## ABERDEEN-ANGUS.

**Angus Bulls and Heifers SUTTON FARM** Have 2 splendid heifers and 30 extra good gilts priced to sell. Write us today. SUTTON & FORTHEOUS, R. 6, Lawrence, Kan.

**Angus Cattle** A select lot of ready-for-service bulls for sale, best breeding and right individuality. W. G. Denton, Denton, Kan.

Valley, by Walker's Blue Valley and to Big Orange Sensation. Ex. B. is too well known to go into detail about his individuality or his ability as a breeder. Suffice it to say that a sow bred to him will be a valuable addition to any herd. Webb's Blue Valley is one of the heaviest boned yearlings the writer ever has seen and is good in every way. Big Orange Sensation is by Big Orange and is out of a dam by Big Sensation. This is a yearling this fall and was bought from H. D. Cornish at Osborn, Mo. He gives every promise of maturing into a great boar and is the ideal type at his present age. Altogether this offering will be one of the best to be sold this winter, anywhere. The sows are good ones, sired by and bred to good boars, are immune from cholera and back of the buyer will have the guarantee of Billy Webb, one of the squarest men in the business. Mr. Webb is revising his mailing list and asks those interested to send him their name for his catalog. When writing kindly mention this paper.

## S. E. Kansas and S. Missouri

BY ED. R. DORSEY.

F. H. Parks of Olathe, Kan., is changing his ad this week in Farmers Mail and Breeze. His ad recently has consisted of testimonial letters from men who have just bought Hampshire hogs from him. Mr. Parks has a well bred, well belted herd of Hampshires and all of his customers are pleased with their purchases. If interested in white belted hogs, write Mr. Parks.

P. L. Ware & Son, Paola, Kan., breeders of strictly high class Poland China hogs, write us to continue their ad in this paper. They have had splendid results from their advertising and have but two of this year's boars for sale. They have a fine lot of fancy big type gilts bred to their best boars which they will sell at reasonable prices. When it comes to reliability and integrity this firm is the peer of any breeder in the business and their herd of Poland Chinas is among the very best in the country.

Notice the change in advertisement of Howard Zahn's Poland Chinas. Mr. Zahn is one of the live ones in Illinois and he is using the 749,000 circulation in the Arthur Capper stock and farm journals and he says inquiries and sales are coming from every direction or in his own language he says, "I am sure getting lots of inquiries and am shipping nearly all over the United States." Circulation is what gets the business. Mr. Zahn's testimonial is just like they all write who use the Farmers Mail and Breeze, Missouri Ruralist, Oklahoma Farmer, Nebraska Farm Journal and Missouri Valley Farmer.

## Baker's Winners at Auction.

Bates county, Missouri, has a perfect right to be proud of the Baker show herds of 1913 as they have won more honors this season in the big type Poland China shows than any other breeders of any state. W. Z. Baker holds his sale Thursday, February 19, in Rich Hill, and it is a fact no other sale this winter will have in it so much state fair champion blood as this one. W. A. Baker & Son's sale will be held the next day at Butler, Mo. These two herds were campaigned all fall at nearly all of the leading western shows, including the American Royal and they won a record only equaled by the big type just once in 10 years. Write each breeder at the above address for a catalog.

## Good Big Missouri Jacks.

Henry Obermann of Freistatt, Mo., just north of Monett, has been breeding Jacks for a great many years and has furnished Jacks to one of the largest sales ever held in the world. He has a beautiful herd of jennets and they are nearly all of his own breeding. The eight Jacks on the farm are just as good as he has ever owned and seven of them are his own breeding. This breeder is in a position to sell for much less than a speculator and then make himself a good profit as he raises his own stock and this paper stands back of this breeder, knowing him to be strictly right and his guarantee good. Freistatt is off of the railroad but it will pay anyone to go a little out of the way to get good stock and deal with a gentleman.

## Twenty-five Bred Sows.

Farmers should lay in their supply of bred sows and gilts early this season as there is a shortage in breeding hogs and as the season advances the price is very likely to advance also. R. C. Watson of Altoona, Kan., is making special prices on 25 Duroc-Jersey sows and gilts bred for spring litters. The Watson Duroc-Jerseys are as well bred as you will find and he grows his hogs in such a way that they develop into useful animals. They are not crowded on corn but have alfalfa range with enough grain to produce strong thrifty hogs. He is also offering two herd boars sired by the double champion B. & C's Col. and Model Top. Also five summer boars by Model Top. In addition to the bred sows and service boars he will make special prices on 75 fall pigs, both boars and gilts. All these hogs are in good condition. Mr. Watson is making special prices to move these hogs in order to make room for his large crop of spring pigs.

## Johnston's January Poland Sale.

When it comes down to brass tacks in the Poland China business it is hard, indeed, to find a better herd than the one owned by Roy Johnston of South Mound, Kan. For the past seven or eight years Mr. Johnston has been making from two to three sales a year and the high quality of his offerings has made an almost national reputation, as well as enough money to buy a couple of good farms. The next sale from Mr. Johnston's herd will be made on January 20. The sows in this sale will be bred to G. K. Lad, the highest priced son of Pawnee Lad, and Knox All Hadley, one of the best sons of Big Hadley. These two hogs not only represent two of the greatest sires of recent years but they are backed up by ancestry which has made Poland China history for past 30 years. Mr. Johnston always has an attractive offering and to make his offering unusually attractive this year he will sell 11 of his private herd sows. The catalog will be ready to send out soon. If you are not already on Mr. Johnston's mailing list write him at once and ask him to send you his catalog. Please mention this paper when

## DAIRY CATTLE.

**A FEW GUERNSEY COWS** fresh next month. Including Lady True Gold and heifer calf—6 gallons, test 5.4%, also a few Holsteins. Jack Hammel, 215 Adams St., Topeka, Kan.

**HOLSTEINS** Large type State inspected registered bulls, cows and heifers; also 100 grade cows and heifers. M. P. Knudsen, Concordia, Kan.

**WOODLAND FARM HOLSTEINS** Two young cows to freshen in Feb. and Mar. and the 2-year-old herd bull for \$900. All that is left of the herd. LUCY W. EMERY, Adm'x., Wetmore, Kan.

**HOLSTEINS**—CHOICE BULL CALVES H. B. COWLES, TOPEKA, KANSAS.

**Young Jersey Bulls for Sale** By sons of champion Flying Fox and Financial Countess Lad; also by a grand son of Gambo's Knight. All out of high testing cows. W. N. BANKS, Independence, Kansas.

We Will Have a Car Load of High Class, Heavy Springing **Grade Holstein Cows For Sale** at Manhattan, Kan., during the week of the Farmers Short Course, at the Kansas State Agricultural College. Arnold & Brady, Manhattan, Kans.

**LINSCOTT JERSEYS** Only Register of Merit herd in Kansas. Choice heifers and cows at \$101.00 and up. Bulls \$50.00 to \$150.00. Breeding and individual quality the very best obtainable. R. J. LINSCOTT, Holton, Kansas

**Oak Hill Holsteins** Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams. Heifers bred. Also a few fresh cows. All tuberculin tested. Absolute satisfaction guaranteed. State your wants fully in first letter—I can fill them. BEN SCHNEIDER, NORTONVILLE, KAS.

**Bonnie Brae Holsteins** For sale, about 80 head of high grade young cows, 2-year-olds and bred yearlings. These cattle are strictly first class, with many heavy springers. Also young bulls both registered and high bred. Come and see them. IRA ROMIG, Sta. B. Topeka, Kan.

**SOMMER-BLATS GUERNSEYS!** Prince Fern of Old Orchard 22181, by the champion, Prince Rosendale Jr. (3214), out of the champion, Agness Fern, chief stock bull. Females in Advanced Registry. Foundation from best New York, Wisconsin and Iowa herds. For sale: Bonnaville 16542, a tried sire, by Imp. Itchen Masher, also young stock in both bulls and heifers. Improve the quality and production of your milk by using a Guernsey sire. Call or write me your wants. ERNEST KENYON, Nortonville, Kansas.

**HOLSTEIN Cattle** During the next 60 days I will sell: 125 High-grade, well-marked Holstein heifers, age one year to 1½, just being bred to a h. sh. class registered bull. 250 High-grade, well-marked Holstein heifers, ranging from 2 to 3 years old, all b. d. to extra good registered bulls, to freshen from Aug. 1 to Dec. 1, 1913. 100 Matured cows, springing bag ready to freshen. Most of them in calf from registered bull. 40 Select, well-marked registered bulls, extra nice individuals, ages from 6 months up. A few good registered cows in calf by an A. R. O. bull. Write me for particulars. JAMES DORSEY, Dept. M. B., Gilberts, Kane Co., Illinois

## GALLOWAYS.

**GALLOWAY CATTLE and OXFORD DOWN SHEEP** Imported and home-bred, absolutely equal to the best.

C. S. HECHTNER, Box 66, Chariton, Iowa

## RED POLLED CATTLE.

**FOSTER'S RED POLLED CATTLE** Write for prices on breeding cattle. C. E. FOSTER, R. R. 4, Eldorado, Kansas.

**Red Polled Cattle** Young bulls ready to ship. Cows and heifers for sale. Best of breeding. Write, or better come and see. CHAS. MORRISON & SON, Phillipsburg, Kas.

**RED POLLED CATTLE** Choice Young Bulls. Several good enough to head good herds—heavy boned, broad headed, breezy kind. Show prospects. Also a few cows and heifers. Visitors welcome. Call or write.



L. W. POULTON, Medora, Reno Co., Kan.

## HEREFORDS.

**MEADOWVALE STOCK FARM** A few choice young double standard polled Hereford bulls for sale from polled sire and dam. W. W. CHARLES & SON, R. 3, Larned, Kansas.

**Clover Herd HEREFORDS** Headed by Garfield 4th, by Columbus 53rd. Choice cows from Funkhouser, Sunny Slope, Newman and other noted herds. FOR SALE—Bulls from 6 to 12 months old, at \$75 to \$100 delivered and Curly Tom, a splendid 2-year-old bull, by Mapleton 4th 34849. Also 15 extra good 3-year-old cows, by Garfield 4th, bred to Curly Tom. F. S. JACKSON, Topeka, Kans.

## SHORTHORNS.

**Cedar Lawn SHORTHORNS** A fine lot of Scotch and Scotch Topped bulls ranging in ages from 8 to 15 months. Priced low considering quality and breeding. Also my two-year-old, Big Orange, herd boar at a bargain. S. B. AMCOATS, Clay Center, Kan.

**Shorthorn Cattle** Pure Scotch and Scotch-topped cattle. The milking strain. No nurse cows needed on Oxford farm. Baron Cumberland at head of herd. Six young bulls, six heifers and twelve cows for sale. Correspondence and inspection solicited. DR. W. C. HARKEY, LENEXA, KAN.

**Pearl Herd of Shorthorns** Choice young bulls—last spring calves—either Scotch or Scotch-Topped breeding. Well grown and in good growing condition. Can ship via C. R. I. & P., A. T. & S. F., U. P., and Mo. Pac. Address C. W. TAYLOR ABILENE : : KANSAS

## WESTERN UNION NIGHT LETTER

Form 2299 J

SEND the following Night Letter subject to the terms on back hereof

THEO. N. VAIL, PRESIDENT

EN ROUTE 12-15-13.

THE FARMERS MAIL AND BREEZE, TOPEKA, KAN.

I AM JUST STARTING FROM WISCONSIN WITH WHAT I CONSIDER THE VERY BEST LOAD OF WELL BRED, CLOSE SPRINGING, HIGH GRADE HOLSTEIN COWS THAT HAS EVER BEEN BROUGHT INTO KANSAS. THESE COWS ARE ALL YOUNG, GOOD COLORS, SOUND AND IN GOOD FLESH. HAVE BEEN TUBERCULIN TESTED AND ARE HEALTHY IN EVERY WAY. THEY WILL BE FOR SALE DURING THE FARMERS' SHORT COURSE AT THE KANSAS STATE AGRICULTURAL COLLEGE. ALSO HAVE REGISTERED BULLS AND GRADE HEIFERS OF ALL AGES.—L. R. BRADY.

ARNOLD &amp; BRADY, MANHATTAN, KANSAS.

## OVERLAND GUERNSEY FARM

THE FINEST HERD OF IMPORTED GUERNSEYS IN THE COUNTRY



Imp. Moss Raider, a strongly bred May Rose bull and Imp. May Royal, a line bred Golden Secret, Chief stock bulls. Cows and heifers of best imported strains. All cows tested for advanced registry. In order better to introduce the Guernseys in the West, we will make attractive prices on young bulls and cows and heifers, bred and open. Special inducements to new breeders in herd foundation material. If you wish to improve the quality and production of your milk, cream and butter, use a Guernsey sire. Unsurpassed in constitutional vigor, adaptability, and richness of product. Correspondence invited—your personal inspection preferred. Call on or address

Overland Guernsey Farm, Overland Park, Kans. C. F. Holmes, Owner. W. C. England, Mgr. Eight miles S. W. of Kansas City on Strang Line. Station on Farm

PEGGY OF OVERLAND (Trade Mark).



# Percheron Sale

On THURSDAY, January 8th, 1914, I will sell at Public Auction, (commencing at 10:30 a. m.) on my Pioneer Stud Farm, 17 miles south of Salina, three miles east and one mile north of Lindsborg, two miles south of Bridgeport:

## 41-HEAD-41

Percheron Stallions, Mares and Colts consisting of: Twenty (20) Mares; Seven (7) Stallions; Fourteen (14) Colts. The Mares are all bred and in foal by the two Grand Champion Stallions, Ilmen (80190) 78696 and Kangourou (92369) 91241. Ilmen (80190) 78696 was awarded Grand Championship at the American Royal Live Stock Show at Kansas City in 1912. Kangourou (92369) 91241 was awarded Reserve Championship at the American Royal in 1913. Most of these Mares were worked on my farm the past summer and every attention was given to secure them safe in foal. My Stallions consist of Yearlings, Two's and Three-year-olds with as much weight, bone and action as you could ask for. I have several Colts that now weigh over 900 pounds and among them are the Second and Third Prize Winners at Iowa State Fair.

## Thursday, January 8

When the Clock shows "Ten-Thirty" we will be selling Horses.

Note: Also, Thirty (30) head of Mules. Twenty (20) Horses (weighing 1600 lbs.), five and six years old, fat and ready for market. Fifty (50) head of Farm Mares; most all of them heavy in foal. Trains leave Kansas City on Union Pacific for Salina, at 6:00 p. m. and 9:45 p. m., each day. "Special Train" for Station at Farm will leave Salina on Union Pacific, at 8:45 a. m., morning of the sale, returning same day at 5:00 p. m.

Write for Catalogue.

**C. W. LAMER, Salina, Kansas**

AUCTIONEERS: SAYER, CURPHEY AND SWARD.

(OFFICE AT NATIONAL HOTEL.)



## Holstein Cattle Sale!

Hutchinson, Kansas, Tuesday, December 30th

### 55 Head of Cattle

10 Purebred Holsteins, consisting of 1 extra good bull, 4 cows, 2 yearling heifers and 2 calves. Strong in the De Kol blood.



15 High Grade Holsteins. Cows and heifers; all but one of breeding age; most all in calf or in milk—a fine lot of dairy cattle.

5 Jersey Cows, all in milk and due to calve soon.

25 High Grade Shorthorns, mostly young stock. Included are a few with pedigrees, among which is an extra good young bull ready for service.

Sale under cover at State Fair grounds. For further particulars write

**I. T. Sheppard, Hutchinson, Kansas**

Auctioneers—Col. J. D. Snyder, Jesse Langford.

## Holstein Dairy Cows and Heifers

100 Head, Nearly All 15-16ths Pure Holstein

Selected From the Best Dairy Herds in Wisconsin

The best marked and most uniform lot of high grade Holsteins ever offered in the state.

26 long 2-year-old heifers due to calve soon.

23 choice young cows due to calve by Jan. 15.

31 extra good milk cows, some just fresh, others nearly dry, but safe in calf to registered bulls.

4 Registered Bulls, 2 months to 3 years old.

These cows and heifers are all large type and are all thoroughly acclimated and Tuberculin Tested and guaranteed sound. Are eligible to enter any state. Every animal guaranteed exactly as described. Every man who comes to buy becomes a customer. When can you come? Write soon.

**W. G. MERRITT & SON, Great Bend, Kansas**



## Bergner & Sons' German Coach Horses

German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Milon \$159 and the Kansas State Fair prize winner Mephistoles \$221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon.

J. C. BERGNER & SONS, Waldoch Ranch, PRATT, KANSAS.

## Lookabaugh's Shorthorns

### SOLD ON TIME AT PRIVATE SALE

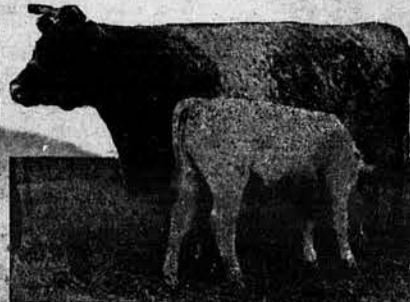
Six or nine months time if desired. What we want is your trial order.

Young heifers and bulls at \$75, \$100 and up.

Two heifers and a bull, not related, \$200 for the three—Others higher.

High class Herd Bulls, close to imported Scotch Dams, and sired by such sires as Lavender Lord by Avondale. Nicely bred young heifers from milking strains, Rugged young bulls, the Farmer and Stockman's kind; cows with calf at foot and re-bred.

This splendid array of Foundation Shorthorns carry the Best Blood of the Best Families and the Most-Noted Sires of the Breed.



A great variety of prize-winning blood. If you want breeding stock do not miss this opportunity. As many good Shorthorns cannot be seen on any other farm in the whole Southwest nor so many wonderful producing cows of such excellent breeding.

Over 200 Head From Which to Select.

## GOOD LIVESTOCK

Good livestock is the very foundation of the nation's prosperity. The cow, in ages past and at present, supplies more of man's needs than any other animal, her sons furnished transportation and pulled the plow that broke the virgin soil, while she and her offspring furnished the milk and butter that have helped the nation to grow.

Modern native powers have been developed and are growing more and more in demand and no one so helps to fill this demand as the SHORTHORN.

CALL OR WRITE

**H. C. Lookabaugh, Watonga, Okla.**