THE FARMERS MAIL AND BREEZE

Volume 42 January 4, 1913 Number 43

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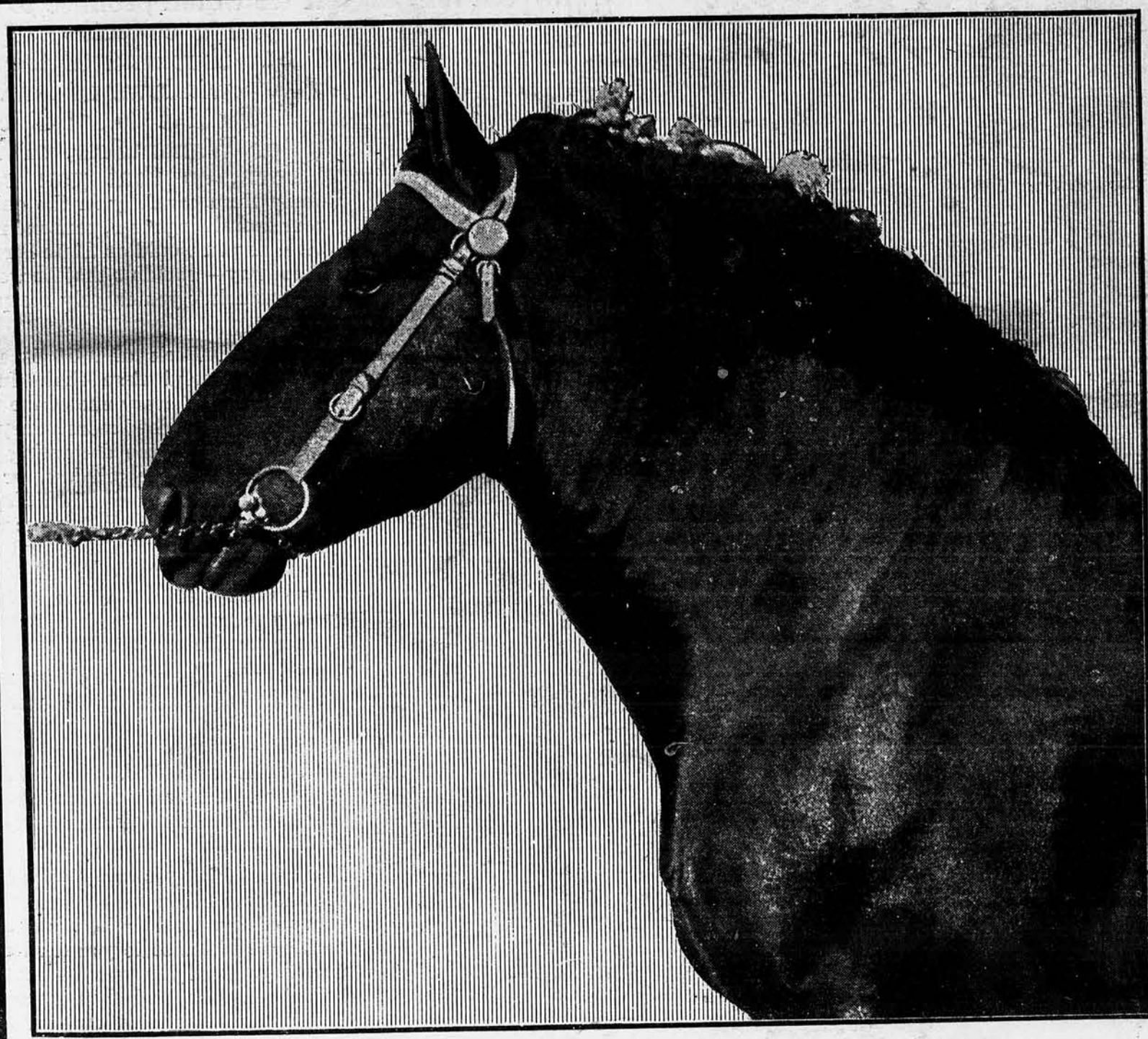

Profile View of Carnot One of the Great Percheron Sires in This Country

IN THIS number of the Mail and Breeze, H. M. Cottrell, who has known Kansas for a lifetime, points out there have been only six heavy wheat crops in Kansas in 28 years though forage crops seldom or never fail. "The grain crop is a liability, the cattle crop an asset," said Ed H. Webster, another Kansan recently in arguing for a better mixture of grain farming and stock raising in Kansas. The Mail and Breeze wants your opinion.

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Drawn Expressly for Montgomery Ward & Co. By Dan Sayre Groesbeck

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THE FARMERS MAIL AND BREEZE

AN AGRICULTURAL AND FAMILY JOURNAL FOR THE PEOPLE OF THE GREAT WEST

Volume 42
Number 43

TOPEKA, KANSAS, JANUARY 4, 1913.

Subscription $1.00 a Year

NOT GETTING WHAT WE SHOULD FOR OUR HORSES

Written For Farmers Mail and Breeze

BY W. A. COCHEL

Head of Dept. of Animal Husbandry
Kansas Agricultural College

According to Mr. Cochel we may sell our market horses anywhere from twice to four times as much as we get for them, if we will pay a little more attention to breeding and feeding, and finally—just before marketing—to fattening. In this article he gives us a practical working outline showing how this can be done. Don't let the sight of a table (which by the way contains some mighty interesting statistics) prevent you from reading the latter half or the first half of his article. As a westerner born and bred on a Missouri farm, Mr. Cochel knows the horse situation past and present from all sides, not from a distance. He puts the facts just as they are in this first article written for the readers of the Mail and Breeze.—Editor's Note.

KANSAS should prove the breeding ground of the best horses produced in America. On the vast, well drained, rolling prairies of Kansas grow pasture grasses of superior excellence. The valleys are adapted to the growth of corn and alfalfa, a combination which has no equal with climate and an abundance of pure, wholesome water for building constitution, quality, weight and substance.

W. A. Cochel

It is left only to the farmers of Kansas to direct the control of profitable market types. This can only be secured by the judicious mating of males and females which will transmit to their offspring the special qualifications demanded by those who require horses for pleasure or for labor in sections where the supply is insufficient.

Producing horses of desirable type and finishing them in an attractive manner is one of the best of all methods of marketing the crops that are grown on the farms of Kansas. There is no other line of livestock farming that holds out a greater reward for the time, money and energy placed in it. Kansas should produce better horses. Sales of purebred Percherons held during the third week of December, 1912, resulted in an average of $405. These were largely horses that had been bred and fed in the state, varying in age from 6 months to 13 years. The lowest price secured was $195 for a colt under 7 months of age.

When such an opportunity is open, it is pitiful to consider the average value of $98.30 for horses of all ages and types on the farms of the state. The value of our farms is increasing; the value of our feeds is increasing; the value of our horses is also increasing, but not so rapidly. The use of better sires is the first great step in improvement, an abundance of good feed, water, exercise and intelligent management will add millions to the value of the farm and market horses in this state.

The accompanying table indicates the comparative number and value of horses of all ages in Kansas according to the census reports of 1900 and 1910:

	United States, 1910.	United States, 1900.
ALL HORSES.		
Number	19,833,113	18,267,020
Value	$2,083,588,195.00	$896,513,217.00
Average	105.03	49.07
MATURE HORSES.		
Number	17,430,418	15,505,966
Value	$1,958,554,817.00	$822,317,707.00
Average	112.35	52.03
YEARLINGS AND UNDER TWO.		
Number	1,731,982	1,446,225
Value	$ 101,883,668.00	$ 48,298,639.00
Average	58.24	33.39
COLTS.		
Number	612,775	1,314,829
Value	$ 20,635,831.00	$25,896,871.00
Average	32.04	18.93

	Kansas, 1910.	Kansas, 1900.
ALL HORSES.		
Number	1,147,056	979,695
Value	$112,758,108.00	$437,583.94
Average	98.03	44.66
MATURE HORSES.		
Number	992,801	828,709
Value	$105,328,287.00	$398,303.26
Average	106.09	48.06
YEARLINGS AND UNDER TWO.		
Number	106,937	78,447
Value	$ 5,980,341.00	$ 24,623.98
Average	55.92	31.38
COLTS.		
Number	47,318	72,539
Value	$ 1,449,480.00	$ 14,656.10
Average	30.60	20.20

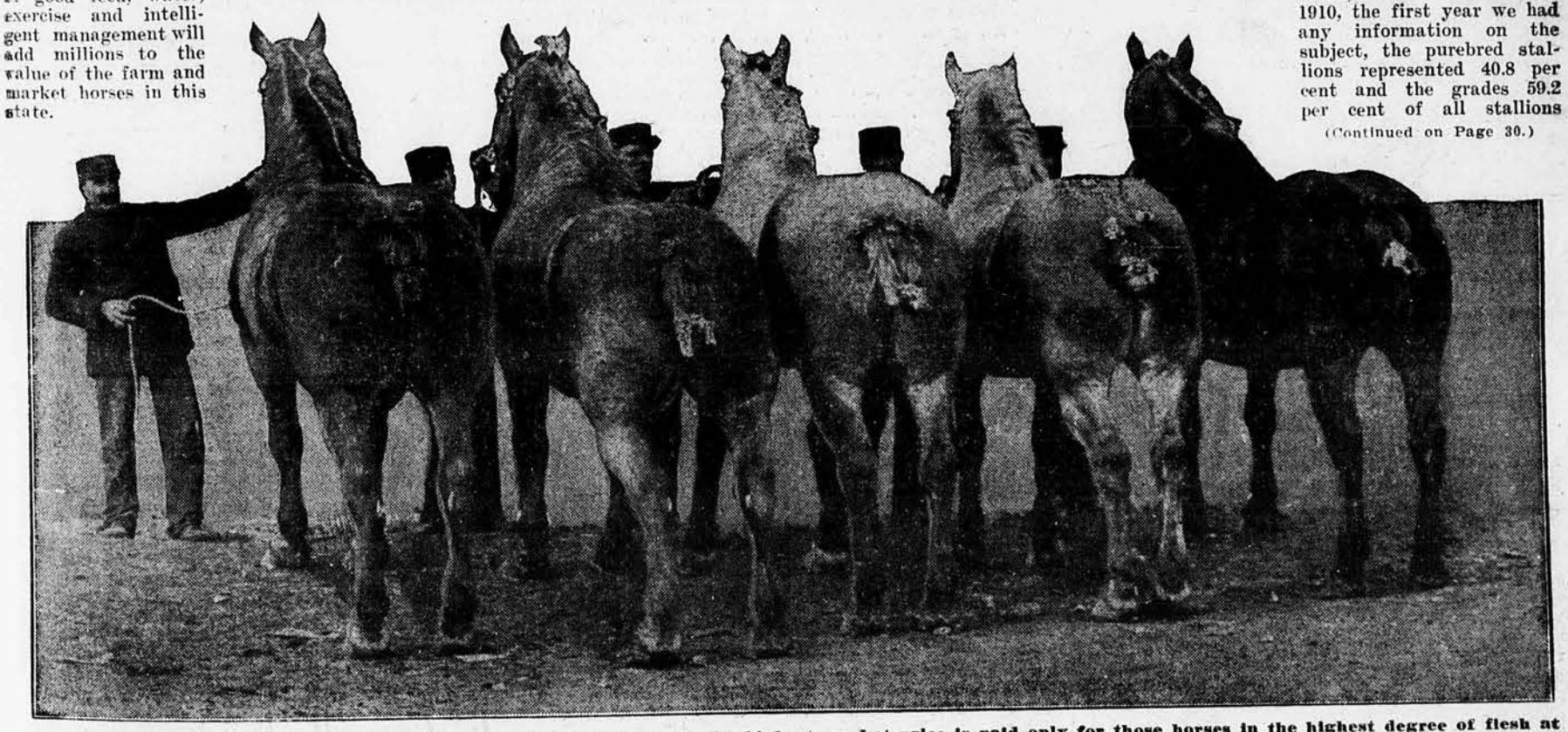
During the period between 1900 and 1910 the average value of all horses in the United States increased from $49.07 to $105.03, or $55.96 per head, while the increase in value of Kansas horses was from $44.66 to $98.30 or $53.64 per head. Showing, first that the average Kansas horse is not quite up to the standard of those from the country as a whole, and second, that they had not improved as much in value during the period under consideration.

The same conditions seem to have been more strikingly true of the colts under 1 year of age. From the same table it will be seen that in 1900 the colts of Kansas were worth $20.20 per head as compared with $18.93 for the United States, while in 1910 the average colt on the Kansas farm was worth $30.60 as compared with $32.04 for the United States.

This indicates that the foal crop of 1910, which will be the farm horses of 1913 and the market horses of 1914 to 1916, will not be able to compete so well with horses from other states as was possible with the horses produced 10 years ago.

This does not mean that our horses have not been improved, for they have improved quite materially, but that we have not given as much attention to their improvement as have the farmers of other states. This is shown forcibly in the reports of the state livestock registry board, which state that in 1910, the first year we had any information on the subject, the purebred stallions represented 40.8 per cent and the grades 59.2 per cent of all stallions

(Continued on Page 30.)



One important fact yet to be learned by horse producers is that the highest market price is paid only for those horses in the highest degree of flesh at time of sale. It is the general practice for feeders to buy thin horses direct from the farms, ship them to some eastern point and fatten them for from 90 to 120 days before offering them for sale.

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WE GUARANTEE that every advertiser in this issue is reliable. Should any advertiser herein deal dishonestly with any subscriber, we will make good the amount of your loss, provided such transaction occurs within one month from date of this issue, that it is reported to us within a week of its occurrence, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: **"I saw your advertisement in Farmers Mail and Breeze."**

SPECIAL NOTICE TO ADVERTISERS.

Changes in advertisements or orders to discontinue advertisements must reach us not later than Saturday morning, one week in advance of the date of publication. We begin to make up the paper on Saturday. An ad cannot be stopped or changed after it is inserted in a page and the page has been electrotyped. New advertisements can be accepted any time Monday. The earlier orders and advertising copy are in our hands the better service we can give the advertiser.

PASSING COMMENT
by T. A. McNeal.

THE RECLAMATION SERVICE. When the reclamation bill passed congress a few years ago there were plenty of reactionaries who shook their heads. They said the scheme was Socialistic; that the government was dipping into private business, and that the result would prove that the money would be wasted or nearly so, and that even if it did not prove to be an entire failure it would be cumbersome and wasteful.

The results have proved that the pessimists were all wrong. The work of reclaiming the desert has been pushed vigorously and effectively. The government is already supplying water for 14,000 irrigated farms and the work is only fairly started.

There is this difference between the government irrigation projects and the private projects—the government projects are more carefully constructed as a rule. There was not the temptation to hurry in order to sell lands and get profits that there was in the case of the private projects. There has been careful calculation made so that when the plant is really in operation there is plenty of water.

I have heard of one government plant that has proved a disappointment and that one is out near Garden City. Just what has been the trouble with that I do not know, but it has not been a success for some reason. The reclamation fund is constantly growing. Already it amounts to 100 million dollars and is piling up as the lands brought under irrigation are sold to actual settlers.

No legislation in recent years, in my opinion, has been of so much benefit as the legislation that turned the desert into a fruitful land filled with prosperous homes. It has added greatly not only to the sum total of the food products of the country, but it has demonstrated how the people may use their governmental powers for their own benefit.

EXTENSION OF GOVERNMENTAL POWERS. The majority of the people of the United States are, in my opinion, in favor of government ownership of railroads and yet government ownership seems just now rather remote. Big business is much opposed to it and big business has a hundred opportunities to reach congress to where the masses of the people have one.

Government ownership or ownership by the people with full government control under a plan formerly suggested in the Mail and Breeze, would do away with watered stock; with discrimination in freight and passenger rates; with Wall street manipulation; with a vast and complicated system, or rather lack of system of control such as we have now. It would mean better equipped roads, more safety in the running of trains and in every way better service for those places that are remote from the main lines and have not the benefit of competition.

It would not be necessary for the government, or the people through the government, to undertake the management of all the roads at once. The government could buy some one great system that reaches across the continent, at its actual value, and issue guaranteed stock to the amount of this value. As the stock was absorbed by the people who would naturally place their savings in that sort of a security, the resultant fund could be used to purchase other lines until finally the people would own under government control a complete system of railroads reaching to all parts of the United States.

As I have heretofore said, this stock should not have a voting power, so that it would be impossible for a few big financial concerns to buy up the stock and thus get control of the system. The management of the system would be completely under government direction.

THE TEACHINGS OF THE TALMUD. I have a Jew friend who has been kind enough to furnish me with some translations from the Talmud, which is the religious law of that peculiar people. I give some of them as my friend gave them to me. Here they are:

"The man," says the Talmud, "who does not teach his son some mechanical trade is as bad as though he had taught him to be a highwayman." When one Talmudist inquired, "Is it not then enough if he teach his son business solely?" "No," answered the rabbi law giver, "both money and good luck are requisite for business. These might be lacking and he would thus at last be compelled to resort to cheating or stealing."

Evidently a good many Jews of this day pay little attention to this precept, for the modern Jew is a good deal more inclined to business than to a mechanical trade.

"Love labor," say the Talmud sages, "and hate appearing the great man. Skin the carcass of the beast in the street and receive the wages due to thee for it and say not, 'I am of too respectable a family.'" The lesson taught was that no necessary labor was a disgrace, but an honor.

The Talmud was against the professional lawyer and against him good and hard. "Whoever," says the Talmud, "resolves to study the law and not engage in work, but to live on charity actually profanes the name of God, contemns the law and quenches the light of religion."

To know the law was commendable, to practice it for gain was a disgrace. All the way through honest labor is commended and the loafer is as strongly condemned. The Jews were theoretical democrats. Only such courts as were elected by the people were really entitled to respect and obedience.

MILD WINTERS IN KANSAS. When you hear a man saying that there never was as mild a winter as this in Kansas heretofore, set it down that he is conversing through his head covering. There is nothing unusual about this winter. Kansas has had plenty of winters just as mild.

A writer in the Winfield Courier relates that on Christmas day, 1875, the weather was uncomfortably warm. The fires were all out and Christmas dinner was eaten with the doors and windows of the houses open. The last course of the dinner was watermelon. The fall watermelons were exceptionally fine that year.

There would have been a good many peaches, according to this writer, if it had not been that the year before the grasshoppers had visited the country and eaten up the peach trees. They had also eaten everything else. Over west of there where no crops were raised, the lack of vegetation seemed to vex the grasshoppers and they took revenge by eating whatever there was to eat. They bit the whiskers off the men and then went for the barb wire fences.

One ranchman who had 17 miles of good barb wire fence found after the hoppers left that all he had left was smooth wire. The grasshoppers had chewed all the barbs off the wire. Some fool will probably ask why they didn't eat the rest of the wire. Ask the grasshoppers.

In the end eating those barbs was the worst thing that could have happened to the hoppers. They were so full of barbs that they could not fly and were easily captured and killed. Turkeys and chickens ate heartily of them with a disastrous effect. The fowls got their systems full of barbs so that they were hardly fit for eating.

One old-timer declared that after eating a Christmas dinner of roast turkey he picked wire barbs out of his teeth for a week. His neighbors who were well acquainted with him insisted that he was a liar, but he carried a handful of barbs as evidence of the truth of his statement.

REDUCING EXPENSES. During the last campaign there was a great deal said about reducing taxes. Mr. Hodges told the people that state expenses could be reduced 25 per cent and without a doubt got a great many votes on the strength of his promise to see to it so far as lay in his power if elected governor, that expenses would be reduced to that extent.

It is a good deal easier to promise things during a political campaign than it is to fulfill the promises after election. Reduction of taxes is a good thing, provided the reduction is not made at the expense of the public service, otherwise reduction may be a very bad thing. I have, for example, heard of a certain Kansas county where there is much complaint about the way in which the paupers are being cared for. The cost of maintenance had been reduced somewhat, but at the expense of the unfortunate people who are compelled to accept the care of the public.

The people of Kansas do not want to pay a cent of unnecessary taxes, but, on the other hand, no good citizen ought to want the cost of caring for the unfortunate reduced to the point where they are not provided with abundant, wholesome food, decent, comfortable clothing and comfortable shelter.

A good many of the readers of the Mail and Breeze are familiar with Dickens's story of Oliver Twist and the public almshouse where poor little Oliver spent the days of his unhappy childhood. The institution was run with little expense, but the inmates were treated with an inhuman neglect that makes the blood of the reader boil.

Economy in public expenditure is always to be commended, provided it is a liberal economy. Not a dollar of the public money should be wasted, but the charitable institutions of the state and counties should always be kept up to a standard that will make them the pride of the humane people of Kansas.

I believe that the state charitable institutions of Kansas are administered with efficiency and economy, but no good citizen ought to have any objection whatever to the most rigid examination of the management of those institutions. If there are any leaks they ought to be stopped. If it is possible to give the patients the treatment they ought to receive at a less cost it ought to be done.

I do not believe the new administration will be able to affect much saving there, but that opinion is not based on personal knowledge. I may be wrong. We are feeding the prisoners at the penitentiary at a cost of 18 cents per day per inmate. One-third of that amount is produced on the prison farm. The prisoners are well fed, but certainly not extravagantly fed.

The penitentiary is a money-making institution for the state, but it ought not to be. Whatever surplus earnings the convicts may have after paying the cost of feeding, clothing and guarding them should be applied to the support of the families of the prisoners, if they have families, or put into a fund to start the prisoner in business when he has finished his term of imprisonment in case he has no family.

It has been suggested that in case a prisoner has been convicted of larceny and the stolen property has not been restored to the owner, the surplus earnings of the convict should be applied to making good the amount of his larceny. The idea is not a bad one. At any rate the state should not profit from the labor of the convicts. Of course, if this policy should be carried out it would mean an increase of appropriations for the penitentiary instead of decrease, but the first consideration is or ought to be, what is the right thing and the humane thing, not what is the plan that will put the most money into the state treasury.

When it comes to the state educational institutions we find the biggest appropriations asked for. There will be an effort made to cut down the appropriations for these institutions and it may be that a saving can be affected there without doing any serious harm.

It is perfectly evident that the state has made some appropriations for higher education that were not needed. The last legislature appropriated $25,000 as a starter for a school of mines at Weir City. The school has been started with a total enrollment, it is said, of three. It is also reported that the student body decreased 33⅓ per cent recently on account of one of the pupils quitting the school. It is perfectly evident that here was one institution that was not needed, but no doubt it will come before the legislature this winter asking additional appropriations.

There is a widespread feeling that more money has been spent on the university than is necessary. A great many people are asking the question, Why should the people be taxed to educate lawyers and doctors when those professions are already overcrowded? If the departments of law and medicine were cut out of the university altogether it would probably meet the approval of a majority of the taxpayers of Kansas.

There are those who even favor the abolishment of the university entirely. They say that it is unfair that all the people should be taxed to educate less than one-tenth of the children of the state and that small fraction as a rule, the children of parents who are best able to pay for the education of their own children. They argue further that the university does not even lessen the expenses of those who do attend; that it is cheaper to send a boy or girl to a college that is not supported by the state than to send them to the university, and that the graduates of these privately supported institutions turn out as well equipped students as the university. While there is some force to these arguments I do not believe that a majority of the people of Kansas are in favor of destroying the university.

I have said a number of times that I believe some time the character of the State university will be

radically changed. It will become in fact as well as in theory open to every boy and girl in the state of suitable age to enter it. It will become a great practical educational workshop, where every student will actually earn his or her way through.

It will turn out men and women not only educated in books, but prepared to do the work of life better than the finished apprentice of any foundry or workshop is prepared now. In other words, every student would become an apprentice of the state. He or she would be paid apprentice wages by the state sufficient to pay the necessary expenses while taking the course. That is a dream of mine that may not come true until long after I am resting under the daisies, but it will come true some time.

The incoming administration is up against a most difficult proposition. It has promised the people to reduce expenses. But larger appropriations are asked for than ever before. There might possibly be some offices cut off, but there are dozens of hungry Democrats asking for each office. It is reported that the governor-elect is receiving 500 letters per day, and the presumption is that most of them concern applications for office.

For the first time in the history of the state the Democrats have the governor and a majority in both houses of the legislature. There is a hungry multitude about equaling in number the crowd that gathered on the shores of Galilee. They have waited long and are hungry. In the opinion of these it is no time to talk about abolishing offices.

And yet it must be remembered that for every one that is hunting a public job there are a great many who are not asking for anything of the kind. All they ask or want is honest and efficient government. If the incoming administration makes good it will get credit from this kind of people and they are greatly in the majority.

WAR AND PEACE. I notice that Colonel Roosevelt has again announced that the only way to preserve peace is to be so well prepared for war that no nation will dare to attack us. Which means, I presume, that we should have a standing army and navy at least equal in size to the army and navy of any other nation on earth. But as there is always a liability of a coalition of two or three other big nations, if the colonel is right, it would be necessary to have an army and navy big enough to whip any two of them.

Every once in a while the colonel makes me weary as do Captain Hobson and a number of these other military mad statesmen who argue the same way. Their argument is based on the theory that fear is the only thing that keeps other nations from climbing onto us, bombarding our coast and raising thunder with us generally.

Yet this nation has been going on now for considerably more than a century. It has never, except in time of actual war, mustered an army as large as the armies of any of the third rate powers of Europe. Certainly it has not been the fear of our standing army or navy that has prevented foreign nations from attacking us, yet we have never been attacked.

We have had occasion once or twice to make demands on other nations vastly better prepared for war than we were. According to the argument of Colonel Roosevelt these nations should not have paid any attention whatever to our demands, but just the same they did.

When Cleveland called Great Britain down in the Venezuela matter we had a dinky little navy not more than a quarter as big as the one we have now and a standing army of about 25,000 or 30,000 men all told. Great Britain had then as now the largest navy in the world. If the fight had come it would have been a sea fight and Great Britain could have mustered at least three warships to our one. The men who were running things in England knew that perfectly well. Yet they heeded what Mr. Cleveland had to say.

Great Britain could have cleaned up our little navy and within three weeks after hostilities were declared could have landed an army of 300,000 men on our northern border. Still the English statesmen understood that they could not afford to get into a war with the United States.

I am weary of the theory that in order to preserve peace it is necessary to go around loaded down with guns like a wild west bad man from Bitter creek. I am willing to agree that our present military policy is extravagant and without sense. As it is now we are neither prepared for peace nor war. On the theory that other nations like Germany, Great Britain or France are just waiting for a chance to attack us, our present preparations for war are simply an aggravation.

Our standing army is no match for the standing army of Germany, or France, or Japan or even of one of the inferior powers that have been battling with Turkey. If attacked we would have to depend on a volunteer army. Our navy is surpassed in size by the navies of both Great Britain and Germany. No other nation has such an extent of coast to defend, and if our only safety lies in being prepared to meet any foe that might possibly attack us, then we should build and maintain a navy twice as large as that of any other nation on the face of the earth. In other words, we would have to go to the point where it would be as expensive to maintain peace as to go to war.

No congressman in the North, at any rate, would ever dare to vote for the establishment of such a military organization as men of the Roosevelt-Hobson school argue is necessary to preserve peace. As we are not going to adopt the European armed camp idea the other logical horn of the dilemma is disarmament. The man who would go into a crowd of gun men flourishing a toy pistol and threatening to shoot would be considered a fool. He might a good deal better have nothing about him that even looked like a deadly weapon.

I am not opposed to a reasonable amount of military training and discipline for the youth of this country. It is not a bad thing to make the American youth fit physically and morally to fight if necessary. I would not be opposed to making military drill a part of the school curriculum. I am opposed, however, to setting aside a part of the young men and simply making professional fighters out of them.

The fathers of this republic believed that great standing armies were inconsistent with and dangerous to a democracy and they were right. We are rich as compared with any other nation. We are able to bear a greater military burden than any of them, but there is no sense in our bearing the burden. Better a thousand times spend at least 200 million dollars out of the 250 or more millions that we annually spend now on our standing army and navy, in public improvements; in building highways; in conserving our water power; in saving the waters that fall at their sources, and utilizing them in turning the semi-arid districts into a fruitful land of happy homes and abundant harvests; in buying and building railroads for the use of the people; in furnishing remunerative and useful employment for those who are suffering from enforced idleness.

HAS A NOTION TO GIVE UP HIS JOB. Our special correspondent in Norway reports that in a conversation with him King Haakon says that this report about his throwing up his job as king is perhaps a trifle premature.

"It is true," said Haakon, as he twisted his mustache, "that I am not entirely satisfied and neither is Maud, my wife. Really outside of the salary there is mighty little in this job of being king of Norway. Of course, these Norwegians told me when they invited me over here that all they wanted of me was to look the part and not mix into the running of things, but I didn't think they really meant it.

"Say, my boy, I will tell you in strict confidence that so far as cutting any figure here I don't amount to any more than a two-spot in the discard. The pay, though, is pretty fair considering there is nothing to do. Maud and I get 185,000 plunks per annum for sitting round the palace here and pretending to be the royal rulers of this dinky country. As we don't understand the language and these people don't give a whoop for us or we for them, we don't go out into society any to speak of and therefore manage to salt down a considerable part of our salary.

"But I'm telling you that this thing of being a king without having any say about the manner in which the kingdom is to be run isn't what it is cracked up to be. About all the authority I had to begin with was the right to pin decorations on people. I was long on decorations and they didn't cost much.

"There are a great many people who have a lot more money than sense who thought it was going some to be decorated by a king. They would swell up like poisoned pups when I pinned the ribbons on them. But these Norwegians are talking of taking even this privilege away from me. They are going to pass a law forbidding me to hand out decorations. That won't leave anything for me to do.

"Maud is inclined to get up on her ear about this and wants me to throw up the job. I would do it in a minute, but I hate to let go of that $185,000. I have at this writing no other job in sight as a king. I have sometimes thought that I would just stow this whole blamed king business and go to work, but the truth is that at any kind of useful labor that I know anything about I couldn't earn over six bits per day and that wouldn't buy much for Haakon and Maud.

"Still I may have to hunt for another location. These Norwegians are kicking to beat the band and may fire me almost any time. If Maud and I could talk their blamed language it would help a good deal, but as it is now when one of my supposed subjects comes into the office and fires a lot of language at me I don't know what he is talking about.

"There is a good deal about this whole royalty business that isn't as pleasant as it is cracked up to be. Now there is Maud's cousin George of Great Britain. George is supposed to be the boss of more people than any other man on earth, but George knows a lot better than that. The fact is that George isn't boss of anybody in particular. Mary, his wife, wears the royal bifurcated garments. She is the commander in chief and George is about a second corporal. There are times when I feel sorry for George.

"I mention these things to show you that kings have their troubles. They are also blamed for a number of things that they really have no control over, but the people generally do not understand that. This lack of understanding frequently makes it embarrassing for a king. Some person who feels that he hasn't had a fair deal blames it on the king and proceeds to take a shot at him.

"In some countries there is no closed season for kings. The plain private citizen can go forth at almost any time filled with joy and prunes, without feeling that some person with a grievance is waiting round the corner to place a bomb where it will scatter his person over the surrounding landscape, but a king cannot. The common citizen partakes of his morning coffee anad buckwheat cakes without fear, but the king doesn't know when some dissatisfied subject may slip a bean into his beverage that will hurry him into the saccharine subsequently.

"Personally I am not troubled much with these things because these Norwegians understand that as a king I don't really count except for ornament. Still I do not know what this next Strothing (that is what they call their legislature here) may do to Maud and me. As I have said, if I were certain of a good job somewhere else I would not care. The climate here does not suit either Maud or myself. A country where it is eight months winter and four months late in the fall does not suit your Uncle Haakon."

HE IS NOT HOPEFUL. A standpat Republican reader writes me taking a most gloomy view of the political situation. He says:

We have got Democracy on our hands and it is going to be here for some time. It could not be avoided after the bolt at the Chicago convention and nothing but a series of hard times will ever unseat the Democrats now, as the bolting Republicans seem determined to do nothing except to work to benefit the Democrats.

In the Scriptures we are told that Pharaoh oppressed the children of Israel and all manner of plagues were sent upon him and his people to induce him to let the children of Israel go. He would appear repentant and when the plague was removed would go back on his agreement. Nothing but the killing of the first born ever brought him to his senses. But those plagues were mere amusements compared to what this country is going to have under a Democratic administration.

It occurs to me that it would be well to withhold the prophesies of evil and give the new administration a chance. It may make good. At any rate if calamities are really coming on us they will be hard enough to bear when they come without anticipating them. Personally, I am not so worried over the outlook financially as a good many seem to be. That is one advantage of not being a great financier.

A Poet's Opinion

And I have said, and I say it over,
As the years go on and the world goes over,
'Twere better to be content and clever
In tending of Livestock and tossing of Clover,
In the grazing of Livestock and growing of grain,
Than a strong man striving for fame and gain.

—*Joaquin Miller.*

Not Getting Their Share

Farmers do not get the use of their share of the money earned in Kansas. There are now about 1¾ millions people in Kansas and almost a million are farmers and their families. The products of the farms are responsible for nearly two-thirds the wealth and commerce of the state. No one can say that two-thirds of this is used in the betterment of the country districts. Compare country roads, full of mudholes, with improved town streets. Look at the country wooden and tin bridges and at town viaducts and concrete bridges. The farmers have not used their share of the money and credit for doing the things that help them. By comparison, there is too much money going for the luxuries of the city, and for making life easy there, and not enough for country improvements, such as good roads, modern school buildings, home comforts, conveniences and labor savers, modern barns, dairies and poultry houses, and up-to-date farm improvements.

Much can be done in this way to make farm life more congenial and profitable, to promote community good feeling, the recreation and social life so necessary to the contentment and well-being of the young people.

This is the time of year to think of these things, to reach conclusions and make resolves.

Arthur Capper

JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

We like to get the experiences, views and opinions of "our folks" on any farm or livestock subject particularly if seasonable and likely to help some of us who may need the information. Your letters are always welcome. Subscriptions to Farmers Mail and Breeze or other good publications for best letters received. Address Editor Farmers Mail and Breeze, Topeka, Kan.

The fine dry fall was good for those feeding stock. Stock does well on almost any kind of feed in such weather providing there is enough of it. In wet drizzly weather no feed seems good enough and the cattle bawl for something better.

The boys are looking after the fur bearing animals pretty closely these days. Certain odorous animals bring good prices—or rather their coats do—and their perfume is more than balanced in the minds of most boys by the price paid for the skins.

Continual trapping each fall does not seem to decrease the number of dry land fur bearing animals such as skunks and civets. In former days, when their pelts were worth practically nothing we wonder they did not increase faster but they seemed then not much more plentiful than they are today. On the other hand minks and muskrats are becoming much scarcer.

When we first moved west to northern Nebraska, there were few people in that section and little trapping had been done there. The creek near us was a slow moving sloughlike sort of affair and it was covered for 20 miles with muskrat houses. As soon as trapping began they quit building their houses and went to living in the banks. One thing that drove them from their houses was spearing them through the walls; a heavy iron spear could be driven through the house and if any rats were at home they were certain to be impaled.

The roads of this section were never in better condition than they are today. For the last year there has scarcely been a day when they could not be navigated by automobiles—navigated is the right word at certain times—and the auto owners have certainly had good use of their machines. The last three years have been dry and no washing has harmed the roads. For the whole three years there have been few days at a time when an auto could not be used.

When we see the way certain farms have been carved up we wonder what reason the owner could have had when he did the butchering. This week we went south of town to look at a piece of land on which it was said there were 40 acres broken out and 120 acres in prairie. The land lay well but that which had been plowed was in four or five different patches scattered all over the place, one being right in the middle of a fine piece of meadow. There was no excuse for this, as there is when land is rough and the farm land must be taken where it can be found, for the 160 laid well. Had the plowed land been all in one piece it would have been sold. As it was the butchering of the land had spoiled the sale of the place.

As is well known, we are about to have a change of administration and certain timid ones are fearing that prices for farm produce will go very low as a consequence. They cite 40-cent corn as an example. It has fallen to that price during the fall from a summer price of 70 to 75 cents per bushel. Surely corn could not be expected to remain at this high figure after one of the largest crops in the history of the country had been raised. We may not have grown a big corn crop in Kansas or Nebraska but a big one has certainly been raised in Iowa and Illinois where the bulk of the corn that goes into elevators is produced. Don't get scared about the price of corn; memories must be short to forget that corn sold for 40 cents two years ago when a very much smaller crop was harvested.

The man who is always preaching hard times and who is always preparing for them is paving the way for them as far as it lies in his power to do so. If you want the country to lose confidence just keep on predicting hard times and they will finally come. But the conditions that brought on the hard times that lasted from 1890 to 1898 are now absent and are likely to remain so. Many begin at the wrong end to reason out these things; they think that farmers fail to prosper because the factories do not run on full time when the fact is, the factories do not run full time because, from some cause or other, the farmers are not prospering. The farmer is the foundation of all prosperity.

Two years before Cleveland's administration began we sold corn for 13 cents a bushel. This was in the spring of 1890. In the fall of 1888 we picked corn on shares getting every sixth bushel. You can figure from this about what corn could be worth at that time for then no one ever paid more than 2½ cents per bushel for husking. We sold good prairie hay delivered in the spring of 1890 for $2 per ton and thought we were lucky to get that. These low prices were general in the West from 1888 up to about 1898, a period of 10 years. For a number of years before real hard times overtook the cities the farmers were wrestling with the real thing. Under such circumstances the cities could not long prosper for farmers had to shut down on buying. It was not any change of policies on the part of the government that brought on the hard times; it was the simple fact that farmers had to sell their produce for less than it cost to raise it and they had been doing it ever since 1888.

The stored prairie hay of this section is moving out of the country at a rapid rate. There now seems to be no difficulty in getting cars and yesterday the side tracks at Gridley were full of cars being loaded with hay. In a 15-mile trip we met perhaps 25 teams loaded with baled hay or else returning empty. In three days last week 10 cars per day were shipped on one of the roads leaving Gridley and it looks as though as much was being loaded this week. The price is not very good. For prairie hay of pretty good quality, hay that was baled from the field with no rain on it, the buyers were this week offering only $7.50 per ton. The highest price paid was $9 for choice but we all know that very little hay will grade choice on the Kansas City market when hay is as plentiful as it is now.

Now please don't write to us asking to buy hay for we have none for sale. It seems every time we quote a price as being paid here, on any product whatever, we have been covered up with letters from persons who thought we had stuff to sell at the prices quoted. If we had anything to sell we would advertise it in the proper place in this paper. If any farmer is short of hay and wishes to buy good prairie from first hands we will hand a letter from him to some of the hay dealers here but we have no hay for sale and cannot act as agent for anyone else in buying or selling. We have our hands full of work right here on the farm.

There is no question that better crops of corn, potatoes, wheat—in fact any farm crops—can be raised following clover or cowpeas. We have never known of a case where letting a field lie in clover for two years did not help the following grain crop. Cowpeas seem to have the same effect. But in several instances of late in this part of the state we have seen fields which have been in alfalfa for a number of years plowed up and the following corn crop was poorer than on adjoining land that had been cropped to grain all the time the other land was in alfalfa. This is not in accordance with the effects of alfalfa in most cases and we are at a loss to know why it should be so. It may be possible that plowing under such a mass of roots was not a good thing to do in our recent dry seasons; it may also be possible that the alfalfa had exhausted the moisture the fall before. Of late our springs have been dry and land which was plowed dry remained so to quite an extent. What has been your experience in plowing under alfalfa stubble? Does it always produce better crops or does it sometimes act as have the pieces we have seen lately? Will alfalfa build up the land as well as clover? We would like to know and would like to print the answers in the Mail and Breeze.

Stockyards May Ship Hogs

Hereafter swine showing no symptoms of cholera and not having been exposed to the disease, may be shipped from stockyards which provide an enclosure set apart for the reception of such hogs and keep it free from infection. This is a recent order made by the department of agriculture. As has been the rule heretofore public stockyards shall continue to be considered infectious and no interstate shipment of swine shall be made from them for feeding or stocking purposes. Swine that have been exposed to cholera may be shipped for immediate slaughter to a recognized slaughtering center. Diseased hogs may be slaughtered subject to inspection.

STEADY HAND

A Surgeon's Hand Should Be the Firmest of All.

"For fifteen years I have suffered from insomnia, indigestion and nervousness as a result of coffee drinking," said a surgeon the other day. (Tea is equally injurious because it contains caffeine, the same drug found in coffee.)

"The dyspepia became so bad that I had to limit myself to one cup at breakfast. Even this caused me to lose my food soon after I ate it.

"All the attendant symptoms of indigestion, such as heart burn, palpitation, water brash, wakefulness or disturbed sleep, bad taste in the mouth, nervousness, etc., were present to such a degree as to incapacitate me for my practice as a surgeon.

"The result of leaving off coffee and drinking Postum was simply marvelous. The change was wrought forthwith, my hand steadied and my normal condition of health was restored." Name given upon request. Read the famous little book, "The Road to Wellville," in pkgs. "There's a reason."

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HOUSEHOLD MAGAZINE, a large family magazine containing the choicest stories and departments of particular interest to lady readers. An entertaining, instructive publication for all the family, 24 to 48 pages each month.

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If your subscription to the Mail and Breeze has not expired we will credit you ahead for one year. Send your order at once. Address Farmers Mail and Breeze, Topeka, Kan.

You can pay the freight on your ground feed by selling your empty bags to the Fredonia Linseed Oil Works, Fredonia, Kansas.—Advt.

HANDY FARM POWER

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You can use this tractor to better advantage than 15 to 30 sturdy horses, and at far less expense. It will do your field work—plowing, discing, harrowing, seeding and harvesting—in the shortest time; hence saves you money and swells your profits.

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When your field work is finished, you can use that same tractor for countless belt jobs—threshing, grinding feed, shelling, husking, etc. It will also haul your crops to market in record time.

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HOME SUPPLY CO., 59 Home Bldg., Kansas City, Mo

Kansas Can Lead in Horses

The Best Market Here and Other Advantages

BY C. W. LAMER, SALINA

Written For Farmers Mail and Breeze

ALL of the important markets of the United States received fewer horses during the year 1912 than in 1911. The simple reason was that farmers had fewer horses to sell.

Thousands of farmers have fewer horses than they require. More horses are needed now to carry on farm operations than the same area required a decade ago. While in the cities the number of horses employed for work shows no diminution in the last five or 10 years.

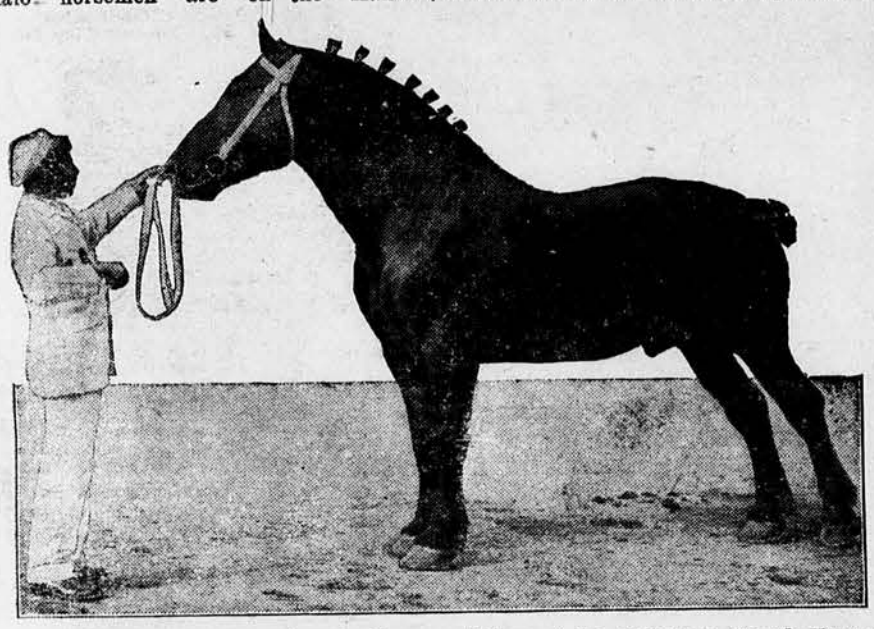
C. W. Lamer.

In New York this fall I saw drafters selling at $400 a head and through reliable information I learned that New York dealers are unable to secure enough of the good ones to supply the demand. It is a matter of interest to Kansans to know that New York, Chicago and Buffalo horsemen are on the Kansas City markets every week looking for heavy draft horses. The fact is, these three cities bought more than 10,000 heavy horses and chunks at Kansas City during 1912 at an average price of $185 each and these buyers told me they would have taken more had they been available.

More Weight Is Needed.

When I talk of work horses selling at $400, many farmers may misconstrue my meaning. Few people know the difference in price between a 1,500-pound horse and one weighing 1,800 pounds. We have many 1,500-pound horses but few 1,800 pounders. There are many mares in Kansas good enough to raise draft horses. The trouble is, too many horsemen let some sharper sell them a little, short-necked, light-boned chunk for a stud, weighing 1,600 or 1,700 pounds at development. With these they expect to raise draft horses. Buy stallions with weight, hone, conformation and a big foot, that will weigh a ton at development, and you will get better results from your breeding.

Just now Kansas has a good start to make herself the best draft horse state in the country, if the breeders will just use a little more discretion in selecting their studs. Kansas farmers have a stimulus that should lead them to enlarge their present production of horses on account of the convenience of Kansas City which promises to take first rank as a horse market. Only the other day a carload of horses was sold to Guatemala from Kansas City. Few people are aware that the government now recognizes that the Kansas City market is the most important in the Union and that an army horse inspection board is being maintained there. In times of peace this board buys an average of 2,500 horses annually.



Ilmen, grand champion Percheron stallion at the American Royal, Kansas City, 1912, imported and owned by C. W. Lamer, the Salina horseman.

Kansas Horses Sought After.

In my long experience in the trade, I have found that the ruggedness of the work horse produced in Kansas is recognized as being without superior by the big eastern markets. I have fed from 200 to 400 horses each year and I positively know that my heavy-boned work chunks sold as well in New York as any horses raised in the United States. Too many Kansas horses lack the quality and

(Continued on Page 30.)

Coburn Strongly For Waters

Secretary Coburn, whose knowledge of the men who are in the forefront of agricultural progress is universal, is strongly in favor of President Waters of Kansas Agricultural college for secretary of agriculture in the new cabinet. He is making this fact known unmistakably to farmers and commercial bodies in various parts of the state who, having heard that he is one of the few the president-elect has mentioned in connection with the post, wish to know if he is a candidate before giving Dr. Waters their unanimous support.

Farmers Mail and Breeze is authorized to quote Mr. Coburn as follows:

"I am for President Waters for secretary of agriculture, and want to do everything possible to secure his appointment. The many friendly expressions in behalf of my being given the position are appreciated in the right spirit, but I have no claims, no ambitions and no prospects in that direction.

"Being unknown to the president-elect and never having been of his political faith there is no reason why he should give a moment's consideration to my name even if it was placed before him. Neither am I seeking promotion or any pretext whatsoever for leaving Kansas, while on the other hand I think Mr. Wilson could make no more felicitous appointment than that of Dr. Waters to the portfolio of agriculture."

Secretary Coburn's championship of Dr. Waters's candidacy will undoubtedly count for much at Washington as well as in Kansas.

It has been known to Mr. Coburn's personal friends for a number of years that he would rather round out his work for Kansas as its secretary of agriculture than be president, or fill any post in the gift of a president. His declination of a seat in the United States senate to continue to serve Kansas as secretary, in a way no other can, was a proof of this desire to stay by what he considers his best and most useful work. Kansas, too, would be as loth to lose the man who has done more than any other to shape its course aright as he would be to leave the state.

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The Bell System binds together a nation of nearly one hundred million people, by "highways of speech" extending into every nook and corner of this great country.

Seven million Bell telephone stations are the watch-towers which exchange, daily, twenty-five million messages for the happiness, prosperity and progress of all the people.

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Horse Breeders' Mistakes

And Ways and Means of Avoiding Them

BY DR. G. L. CARLSON, NORFOLK, NEB.

Written For Farmers Mail and Breeze

Dr. Carlson knows the horse as it is given to few men in this world to know him. This makes everything he writes about the breeding and rearing of horses gospel among horsemen. His article on Saving the Foal Crop published a year ago in the Mail and Breeze is being saved and referred to in time of trouble on many a farm in Mail and Breeze land.—Editor's Note.

THE best type of draft horse is the horse the other fellow wants and will pay the largest price for. This type is a big rugged horse, compactly built and not too tall, with a sloping and well muscled shoulder, long elastic pasterns, good feet, massive wide hocks well supported below and with his legs set under him and perpendicular to the body, in order to give him free and easy action.

This horse is not a representative of any particular breed, yet he does not exist except as a result of good breeding. There is an actual famine, so to speak, of such horses. This is very largely the result of using poor sires. I do not believe there have ever been 50 draft stallions owned in America sufficiently good to make the district in which they were owned famous for the quality of its geldings. It is not more stallions, but better ones that we are so much in need of.

There is no one to blame for this condition but the man who farms or the horse breeder himself. There would be no poor stallions handled if you would refuse to buy them, but just so long as you want a cheap, poor stallion there will be plenty of men ready to supply you with what you want. The looseness of methods on the part of some officials of some of our record associations has had much to do in bringing about this condition of producing so many misfit horses

Why Stallions Become Sterile

With reference to sterility on the part of our stallions, the problem is a growing one. There is an increasing tendency on the part of stallions to become sterile. This is largely because we feed too much and exercise too little. The draft stallion should work in the harness every day in the year. The glands, nerves and blood vessels which are responsible for the development of the spermatozoon by the stallion are so minute and delicate in their structure that they can be seen only by the aid of high magnification. When this is understood we can the better grasp the idea of how easily these delicate organs can be made to fail in the full performance of their part of reproduction as a result of a cold, fever, too much corn in the feed ration, or too frequent service in the stud.

The problem of frequency of service is a serious one, since most stallion owners insist upon serving every mare they can secure by contract. We have stallions that have come to us from an ancestry so virile that they will stand much abuse of this kind without apparent injury, and seem capable of making very frequent service. At the other extreme we have wellbred stallions that can only make two or three effective services in a week. But if we will take all draft stallions together we will find that it takes from 10½ to 13 hours for a stallion in regular daily service to develop perfectly mature spermatozoa.

Causes of Barrenness in Mares

The ratio of barren to fecund mares is growing every year. We are not giving our mares as good care as we should. Our modern barns are built for warmth and not for health. Not enough attention is given to light and ventilation. Illy ventilated stables are the source of colds, often influenza and other diseases. This leaves the membranes of the genital organs of the mare in a congested condition, and leucorrhea and barrenness is the result.

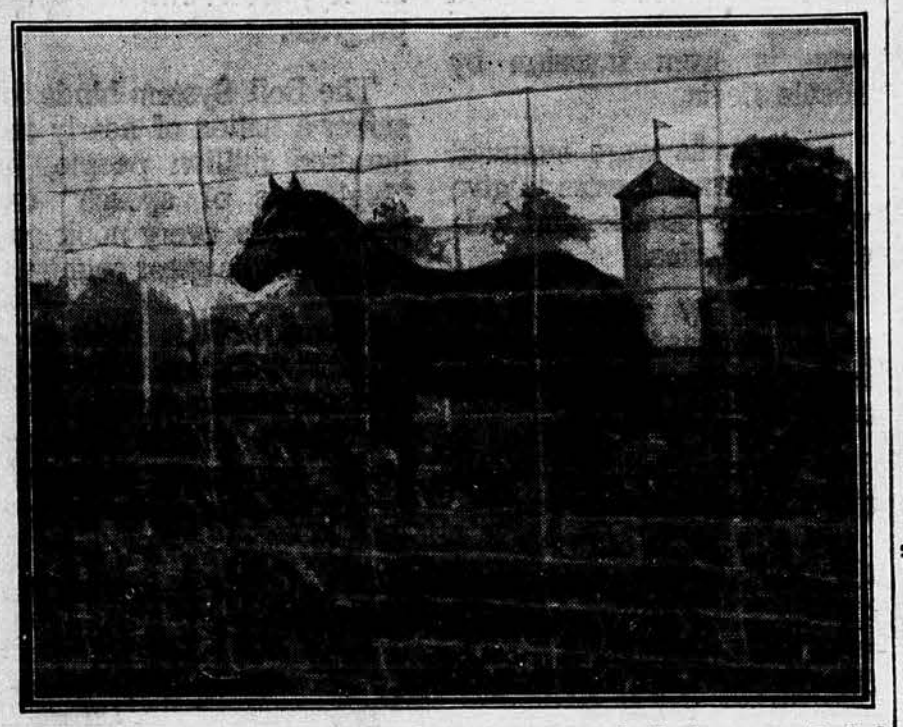
We have always been breeding our mares too early in the heat period. At the first sign of the period most men will rush their mares off to the stallion only to repeat three weeks later, when if the mating had been delayed a few days it would not have to be repeated. While the spermatozoa will live and retain their fertilizing power for 30 days in a healthy mare, yet there are so many mares slightly acid that we should mate our mares as near the time the egg is in readiness to be fertilized as possible, because however weak the acid solution, it will destroy the life of the spermatozoa.

The loss of foals is largely the result of our own carelessness. About 85 per cent of all foals that die before they reach their first year are those which die early in the spring, before May 15. Nearly all these are lost as a result of navel infection or pneumonia.

A little while before the foal is expected the mare should be placed in a large box stall. The stall should be kept clean and frequently disinfected with any standard coal-tar preparation.

Foal Saving Suggestions

When the foal has been delivered and the mare gains her feet the umbilical cord should break at the body of the foal. Occasionally this cord will be so large that it refuses to break at all in which case it should be cut. Before cut-



Good way to keep good colts and the cheaper way in the long run. Barbed wire has ruined many a promising youngster and put blemishes on others that took two good sized figures off the market price.

How to Train Scary, Vicious, Balky, Tricky Horses and QUICKLY DOUBLE THEIR VALUE!

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Train a Colt in 8 Hours!

You can do it by the Beery System. There is lots of money in breaking colts. The field is unlimited.

Prof. Jesse Beery

What His Graduates Have Done

Prof. Beery's Correspondence Course in Horse-Training and Colt-Breaking is the only instruction of the kind in the world. Thousands of his graduates are reaping the profits and benefits of his wonderful course. For example, take the case of Emmett White, Kalona, Iowa, now a prosperous professional horse-trainer. Mr. White says: "I wouldn't take $500 for what you have taught me. You may judge of my success when I tell you that I have been able to buy a home and an automobile solely through earnings from training horses as taught by your excellent methods."

Buys "Man-Killers" Cheap, Trains and Re-Sells at Big Profit

A. L. Dickinson, Friendship, N. Y., writes: "I am working a pair of horses that cleaned out several different men. I got them for $110, gave them a few lessons and have been offered $400 for the pair."

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ng a cord which has first been thor-ghly disinfected should be tied around e navel cord some 2 or 3 inches from e body and the severing of the cord ade below the ligated portion. In ery case the navel should be disinfect-d, and the washing with the disinfectant ntinued twice a day until the navel has aled. If the umbilical cord has to be gated and cut, it should be freed of the ring or cord with which it is tied with-12 hours and the navel cord disinfected side and out. This is to prevent blood, rine or pus gathering in the tied por-ion and by being absorbed poisoning the al. Creoline, other coal-tar prepara-ions or iodine will be found good dis-fectants for this purpose, and should e used in the form of a 2 per cent sol-tion.

Sometimes a foal will be born strong nd vigorous, and at the end of 24 hours r more it will be noticed that it ap-ears stupid and will breathe rapidly. In uch cases if the ear is placed at the side f the foal behind the shoulder a rasp-ng sound will be heard, in which case he foal will be dead within a few hours. f the foal is opened after death the blood bout the lungs and heart will be found early black in color. This is pneumo-ia and is the cause of many deaths among our early foals. The disease fol-ows a cold contracted when first born. n the early spring a foal often leaves temperature up to 101 degrees to be urned out into a temperature 40 or even 0 degrees lower while in a wet condi-ion, and a cold and possibly pneumonia s the result. This can be prevented by uickly drying the foal with a woolen lanket, or briskly rubbing the foal with lean straw or hay until dry. A cold wind, or lying upon the cold earth during he first few days of its existence may lso be the cause of the trouble.

Other Ills Which Kill Colts

In the case of some foals it will be oticed that a few hours after the foal as taken its first milk it will stand with ail extended and back arched. If the oal has been closely watched it will be oticed that the first feces have not been oided in such cases. Unless relieved of his trouble the colt can live but a short ime. For this, nothing is better than water that has first been boiled and the temperature permitted to run down to 100 degrees, in which some good mild soap has been dissolved, and the solution injected into the rectum until all the hard feces have been expelled. It may take several injections to do this, but the injections should be continued until a soft feces has been voided, when one may know that the canal has been opened all the way through.

Sometimes the foal will be troubled with dysentery when but a few days old. The color of the feces will tell you the nature of the trouble. If it is white, or a whitish gray, infection may be suspected; if of a dark color too much or too rich milk from the mare will be the cause. If it is the former the foal should be placed in the care of a skillful veterinarian at once. If the latter, taking all grain away from the mare for a few days will be all that is necessary to do.

Occasionally both foal and mare are lost as a result of permitting the mare to drink too much cold water for a week or so after parturition. This induces a chill, followed with fever, and unless relief is given at once both mare and foal may be lost. This can be prevented by giving the mare only warm water, at the body temperature for a week or so after foaling, whenever the weather is cold or chilly.

Feeding Little Understood

Feeding properly is but little understood among horsebreeders. Even our experiment stations have done little in a scientific way to show the relation between poor feeding and disease. The trouble is feeding too much rather than too little. It is very easy to know if a horse is being fed too much of protein or carbohydrates by analyzing the urine. If fed too much protein the excess must be voided through the kidneys, in which case the urine will show an abnormal amount of albumen or organic matter. This is the cause of many diseases of the horse, such as inflammation of the kidneys, azoturia and others. A thousand pound horse can assimilate not more than 2.3 pounds of protein in 24 hours, and if fed more than this the feed is wasted and the health of the horse endangered.

Roughage in Horse Rations

How Alfalfa May Be Used With Much Benefit

BY DR. C. W. McCAMPBELL, L. S. Registry Board
Written For Farmers Mail and Breeze

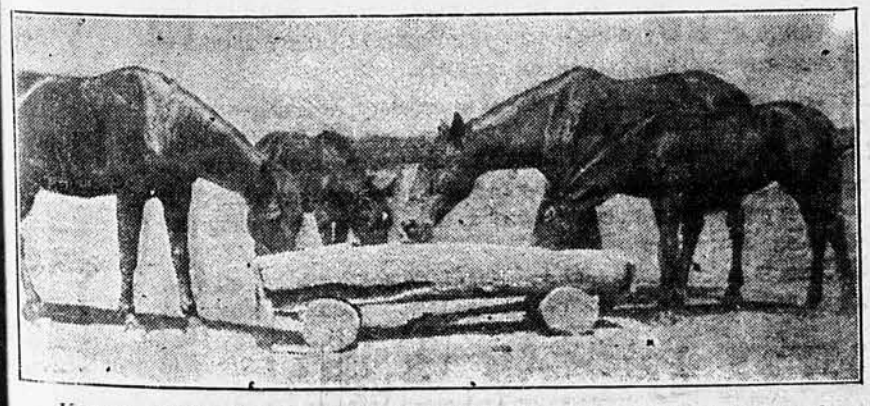
OF THE hays grown in Kansas, prairie hay is used most extensively. Good Kansas prairie hay contains practically the same amount of digestible nutrients as timothy hay and experiments have shown that prairie hay and timothy hay of the same quality have practically the same feeding value. Prairie hay is the more economical to feed when both are available.

Clover is generally much disliked by horsemen, principally because it is always more or less dusty. If it can be handled in such a manner as to prevent its being so dusty a small portion might be combined with prairie hay, timothy, or cane hay for work horses. Limited amounts of bright clover hay free from dust and mold make a very good feed for colts and brood mares.

There is a great difference of opinion about alfalfa as a feed for horses, especially work horses. Many horsemen fear to use it at any time for any class of horses, while in some parts of the country alfalfa is the only kind of roughness thousands of horses ever get and still they thrive and work just as well as our eastern oat and timothy-fed horses. Results obtained by experiment stations and by many feeders seem to warrant the conclusion that alfalfa may form a part of the ration of any class of horses, provid' it is fed in proper proportions or combinations.

Alfalfa More of a Concentrate.

In feeding alfalfa it should be looked upon and fed as a concentrate rather than a roughage. Alfalfa hay contains, pound for pound, 37 per cent more digestible protein than shelled corn, also a very high per cent of digestible carbohydrates, but is low in fat content. This explains to a certain extent why it is such a valuable feed for young, growing animals. One authority says: "While alfalfa is too rich a feed for ma-



Kansas standardbreds on the Conard Ranch. One reason why few farmers now produce such horses, is because of the time and skill required in their training.

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In safeguarding your money investment in hogs—don't overlook the importance and value of lye. Lewis' Lye, because of its guaranteed purity, full strength—*its simplicity of feeding*—has long been recognized as the surest hog conditioner.

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ture horses, unless used in combination with some other roughness, it is an excellent feed for young horses as it seems to contain just the elements necessary to develop bone, muscles and consequent size. However, caution should be used in feeding alfalfa, particularly to animals that have not been accustomed to it. Like other concentrated feeds it seems to stimulate all the physical processes to such an extent that various disorders of the digestive system may appear. This effect is particularly noticeable in the urinary and perspiratory glands.

"When alfalfa is fed to horses in considerable quantities, the grain ration must be proportionately reduced and an abundance of other roughness furnished. When horses have attained a mature age and it is desirable to change from other hay to alfalfa, this change must be very gradual and the alfalfa selected for this purpose should be more advanced in growth at the time of cutting than that which is fed to cattle or sheep. As a general statement, very ripe hay is best to use for work horses and driving horses, while that prepared in the usual way—that is, cut when the field is about one-tenth in bloom, is better for colts. Horses that are fed alfalfa hay must be given abundant exercise."

Little Use in Grinding Alfalfa.

Lately a great deal of alfalfa has been ground and offered as a substitute for grain for the various kinds of livestock. Grinding does not increase its digestibility nor feeding value and it can hardly be recommended in place of alfalfa hay for general feeding at the present difference in prices of the two forms. Only in special cases is it advisable to use alfalfa meal rather than the hay as a horse feed.

Whenever alfalfa meal is fed to horses it should be dampened or fed in combination with some feeds, such as molasses, to hold the finely ground, dusty portion, thus preventing the horse breathing it into the lungs. Otherwise heaves may be induced. Alfalfa meal has a feeding value slightly less than bran, but at prevailing prices of concentrates it might be used to form a portion of a grain ration in sections where alfalfa is not grown and where the differences in the freight rates make the cost of the two feeds about the same at a given point.

It seems to me that one of the problems of Kansas horsemen in the near future is a cheap and satisfactory supply of roughage. The ever increasing demand for alfalfa is raising the price to such a level that the strictest economy must be observed in its use.

Cane Hay Filling a Need.

Perhaps the solution of this problem has been partly solved by the western Kansas farmer who has learned to appreciate the value of cane hay. Thickly sown cane becomes a coarse grass, the leaves of which are quite free from dust and very palatable, making with the sweet juicy stalks a most excellent roughage for horses. In western Kansas this hay is proving to be a very cheap and satisfactory hay, giving especially good results when fed during the hot days and hard work of harvest time.

It is known that a deadly poison sometimes develops in stunted and second growth cane, but this poison is never found in cured hay which may be fed with no danger from this source. However, moldy or decaying cane hay is very dangerous to horses. Kafir hay grown in the same manner gives about the same results as cane hay.

Corn Hay and Stover Excel.

Thickly grown corn, when properly cured and cared for, is among the best of roughages as a horse feed. Of this feed Professor Henry says: "When grown for coarse hay and carrying some grain, corn possesses a feeding value not as yet appreciated by most stockmen. Overlooking its splendid qualities as a hay plant, we have become accustomed to growing this crop for the grain it yields and using the roughage for a sort of straw to be eaten or wasted as accident determines. Cured corn hay is quite free from dust, very palatable, full of nutriment and should be much more generally used in America for a horse feed than it now is."

Corn fodder is an excellent form of roughage for any horses and we should handle it more carefully than many of us do. It is an excellent substitute for other roughage for winter feeding, not only because of its feeding value but also because of its yield per acre, which makes it a very cheap feed. But because of its bulkiness it may not find much favor as a feed for work horses.

Feed Millet Hay With Caution.

Millet hay should be fed to horses sparingly as serious results have followed the continued feeding of this hay to horses. At the Dakota station some extensive experiments were conducted for a number of years in feeding millet to horses and it was found that millet hay fed continually caused kidney trouble, lameness, swelling of joints, and finally softening of the bones. Still we are inclined to think that millet may be fed in limited amounts if fed with other rough feeds and grain. But the practice of feeding large amounts continuously should be condemned.

Because of the nature of the digestive tract of the horse, a certain amount of bulk is necessary as well as a definite amount of digestible nurients, and this fact must be borne in mind in calculating rations. But as a general statement it can be said that too much hay is fed, especially to our work horses. In feeding hay at least one-half the ration should be fed at night, the other half being fed at the morning and noon meals. The smaller the amount of hay fed at noon, the better it will be for the work horse.

For all practical purposes clean, bright clover or cowpea hay could be substituted for alfalfa hay and fine, clean, bright cane hay or orchard grass, bluegrass or brome grass hay could be substituted for prairie hay or timothy.

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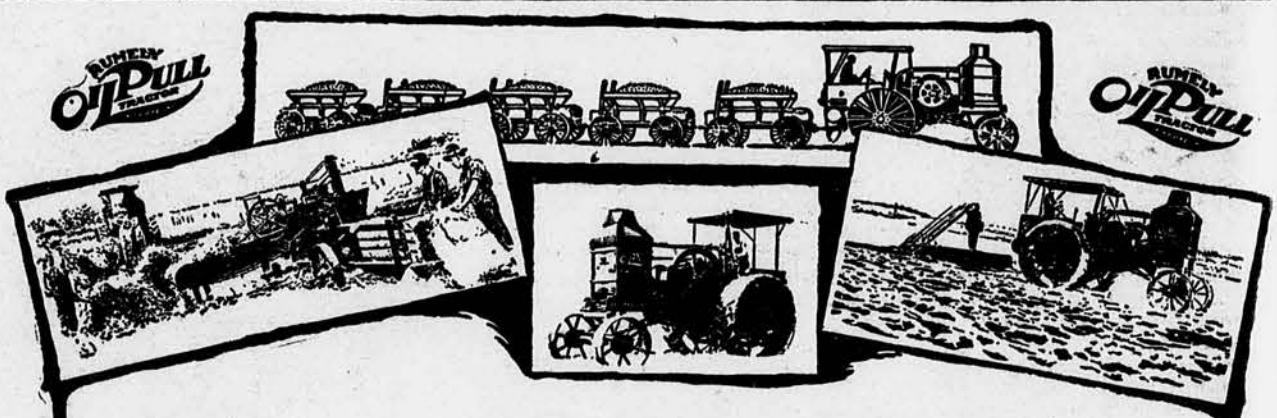

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Origin of the Percheron

Probably a Mixture of Arab and Norman Blood

BY L. R. WILEY, Emporia, Kan.
Written For Farmers Mail and Breeze

THE origin and ancestry of the Percheron horse has never been fully determined. The best authorities attribute to him either a direct Arabian ancestry or one strong with Arab blood. M. Eugene Perrault, one of the most extensive dealers in fancy horses in all Europe is satisfied that the Percheron is a genuine Arab modified in form by the climate and rude service to which he has been subjected for years.

Other authorities declare the Percheron is descended from a race, peculiar to Brittany, used for drafting rather than war. Another theory is that the breed comes from a remote cross between the Andalusian mixed with the Morocco barb, and again crossed upon the Norman. This was done, it is said, because the Norman was too slow and the Andalusian too light for the ancient knights dressed in full armor. The old Normans are said to have transmitted their great bone and muscle while the other cross added spirit, action, speed, and bottom.

Best of Two Races Combined.

Whatever the facts in regard to their origin, the Percheron of today combines the strength of the old Norman with something of the speed of the Arabian, and is capable of carrying great weights and drawing heavy loads at a fair rate of speed. When purebred sires are bred to pure dams, these horses are regarded as capable of reproducing themselves perfectly. There is no change or deterioration through the generations. Bred to an inferior mare, the purebred stallion will mark his impress upon the progeny in a wonderful way.

The Percheron makes a capital cross upon any of the large roomy mares of this country. When bred to such mares the progeny will possess great size and will partake of the quality of the sire. If this progeny is again bred to a pure sire, the result is an animal three quarters pure and but little inferior to the Percheron in all that constitutes power and capacity for work.

Percheron Marks of Breeding.

The Percheron is a horse of no ordinary strength. He has a vigor which does not degenerate and a conformation which does not exclude elegance. Docility, patience, excellent health, and a hardy, elastic temperament are combined in him. He exhibits great endurance when worked hard, or when forced to maintain for a long time any of his natural gaits, and possesses the valuable quality of moving fast with heavy loads. As a 2-year-old he can do enough work to pay for his board and keep. He knows neither the whims of bad humor nor nervous excitement. Women and children can approach him without fear.

The Percheron cannot be called a fast horse; he is not suited for pleasure driving. Yet he is capable of making long journeys at a speed fully equal to that of horses with greater pretensions to speed.

Percherons Have Good Feet.

In outward appearance the Percheron presents a head, not long, with broad brow and slightly dished face, showing intelligence in which respect he resembles the Arabian. The neck is of fair length, strong, muscular, and well arched. Like the head, the neck is well proportioned to the close ribbed, round-barreled, short-backed body. The hind quarters and shoulders are muscular, the lower part of the leg short, hairy, and possessing immense tendons. The hoofs are hard, sound, and free from disease. The height of the Percheron horse is 16 to 17 hands. His color is generally black or gray.

A dozen Percheron stallions at the Wiley importing and breeding establishment which show that striking uniformity in size and condition characteristic of the good type of the breed when handled properly, especially in colthood.

Farmers' Week in Topeka

All is in readiness for "Farmers' Week" at Topeka, January 6-10. Among the annual state meetings to be held in Topeka next week are those of the Kansas Improved Stock Breeders', the state board of agriculture, and the County and District Fair Managers' association. These meetings are open to the public.

The stock breeders will hold their sessions on January 6, 7 and 8, and the fair managers meet on January 7. The meeting of the state board of agriculture comes last, January 8, 9 and 10. The following is the program prepared by Secretary Coburn for the meeting of the board of agriculture:

WEDNESDAY, JANUARY 8.

4 p. m.—Roll call. Appointment of committees, etc.

7:30 p. m.—Address of welcome, Governor W. R. Stubbs; address of welcome on behalf of city and county, James A. Troutman, senator-elect; response, President I. L. Diesem; Economic Rations in Pork Production, W. P. Snyder, superintendent Experiment substation, North Platte, Neb.; The Decline in Acre Yield of Kansas Crops; Its Cause and Remedy, L. E. Call, associate professor in soils, Kansas Agricultural college, Manhattan.

THURSDAY, JANUARY 9.

9:30 a. m.—The Place for Beef Cattle in Kansas, W. A. Cochel, professor of animal husbandry, Kansas Agricultural college, Manhattan; Type versus Breed, James W. Wilson, director Experiment station, Brookings, S. D.

1:30 p. m.—Some Factors in the High Cost of Living, Frank W. Blackmar, University of Kansas, Lawrence; The Study of Genetics in our Agricultural Colleges, John Detlefsen, University of Illinois, Urbana.

7:30 p. m.—Of Making Many Books There Is No End, Miss Carrie M. Watson, librarian Spooner Library, University of Kansas, Lawrence; Education for Farm Life, President Samuel Avery, University of Nebraska, Lincoln.

FRIDAY, JANUARY 10.

9:30 a. m.—The Kansas Hen, Wm. A. Lippincott, professor of poultry husbandry, Kansas Agricultural college, Manhattan; Factors in a State's Agricultural Development, From a Northwest Viewpoint, D. A. Wallace, editor The Farmer, Saint Paul, Minn.

1:30 p. m.—Election of officers and members. County Demonstration Agents, J. H. Miller, director of farmers' Institutes, Kansas Agricultural college, Manhattan. Query box. Installation of the new board, at Secretary's office.

7:30 p. m.—The Corporation Line, Miss Effie Graham, Topeka high school; The Measure of a Man, Rev. Charles A. Finch, pastor First Christian church, Topeka.

Difference in Short Fed Steers

Matt. Edmonds, of McLouth, Kan., marketed a bunch of steers last Tuesday in Kansas City which he had fed 60 days at $8.90. The steers cost him $6.45, the highest price he ever paid for steers, but they made an average gain of 4½ pounds per day. Mr. Edmonds said, "They are short fed cattle, but never in my life did I put on so much weight in so short a time. This season has been the best on record for feeding cattle." Killers wish there were a few more feeders who could produce the results that Mr. Edmonds does.

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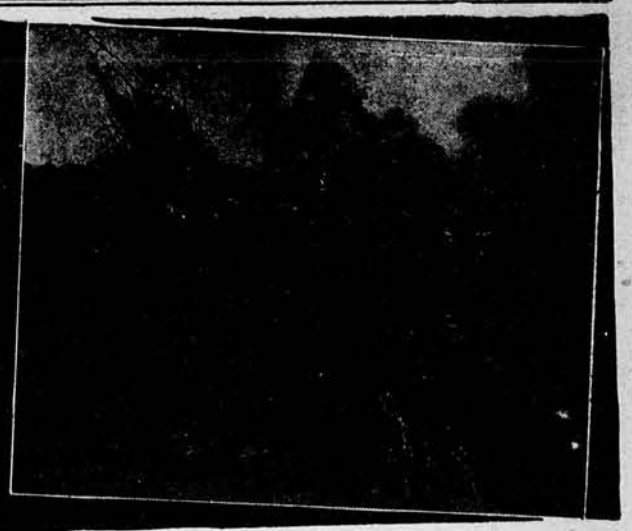

tumps cost you too much money. Pull them out! Get Hercules. *Now is the time.* I'm making a very special sacrifice-price offer. Only a few men will get in on this proposition. Never such an opportunity before. Same 30-day free trial offer—same 3-year unqualified guarantee against breakage. Write me

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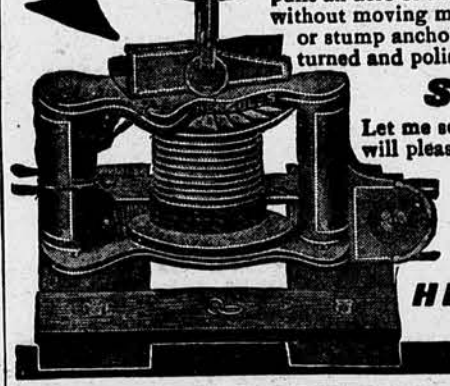

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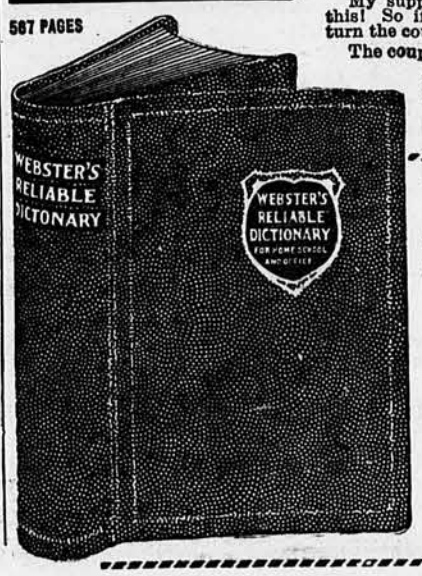

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Shall It Be Wheat or Stock?

Some Suggestions For a Change of Methods

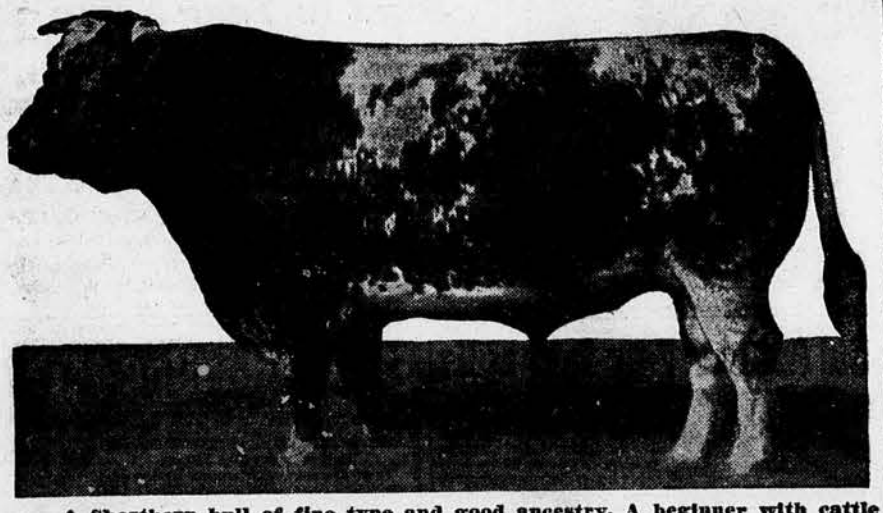
BY G. H. HOADLEY, Selden, Kan.

Written For Farmers Mail and Breeze

The "craze for wheat," as Mr. Hoadley so aptly puts it, has more nearly been the undoing of western Kansas than anything else. He knows because for 20 years or more he has lived and farmed in Sheridan county and has made it pay when others have found western farming precarious. The fact he is one of Kansas' well-known and best-informed Shorthorn breeders undoubtedly has something to do with his success. This reference to the results Mr. Hoadley has achieved is made here simply by way of emphasizing what is so well said and strongly suggested in his article.—Editor's Note.

THE present scarcity of beef cattle throughout the United States in connection with the prevailing high prices, will undoubtedly stimulate new interest in the cattle industry. In western Kansas there are today millions of acres of as fine pasture as a steer ever put his nose to, and not an animal in them to crop the succulent buffalo and bluestem.

A few years ago these acres were well stocked with horses, hogs and cattle, and our farmers were prosperous, with money in plenty and good credit at the banks. But the prevailing craze was for wheat, which seemed to promise the quickest and easiest road to opulence. The wheat, however, failed, not one year only, but year after year and now, if our eastern brothers are willing to concede that the western Kansas farmer excels in anything, I would suggest that they place at the head of the list patient persistence. With admirable patience he has tilled his acres, planted his seed and hoped for a crop—even prayed for it. But before harvest time came he has generally seen his hopes, his prayers and his seed all going either toward Nebraska or Texas.



A Shorthorn bull of fine type and good ancestry. A beginner with cattle should not pay an excessive price for pedigrees in females unless he has a sire which insures the continuance of their standard of excellence.

Then He Sold a Horse or Cow.

Then he remembered something—probably. If it was the fact that his seed had not been paid for, he sold a horse, hog or cow to liquidate the claim. If the grocery man presented his bill, in the absence of a wheat bin to dip into, another draft had to be made on the cattle, hogs or horses and when there was no longer any stock to draw on and the baby had to have a new dress or a pair of shoes, he drew on a long face.

This feature of the business has become so common of late that it is no longer very popular or remunerative in financial circles, and the thoughtful are looking for more promising resources. The question now confronting most of our farmers is, shall we continue to struggle with the wheat problem, or will we return to stock? It is for the benefit of those who decide on the latter that I venture a few suggestions in this article. The demand of late has become so great for beef cattle that the margin between the purebred and the scrub has been reduced to a point that admits of no shadow of excuse for a farmer to attempt to build up a new herd from scrub foundation.

Some Mistakes in Breeding.

If one feels that his circumstances mpel the use of common bred or grade females, he should by all means procure a purebred sire and when once he has a start with grades, if he continues to use only purebred sires he will soon have a herd that will be, for all practical purposes in the production of milk and beef, equal to the purebred herd.

I once sold to a wealthy German neighbor a registered Shorthorn bull. When he had raised from him a nice bunch of heifers and could no longer use him in his herd, he went to a nearby breeder and bought a second purebred to replace the one I had sold him. This bull he used on his common cows and half-blood heifers with the result that he raised as pretty a lot of half and three-quarter blood young stuff as I ever saw in one bunch. Imagine, if you can, my horrified disgust when I saw this man bid off at a common farm sale for $19 a scrub bull, to use on these grade heifers, that had not a solitary point to commend him as a second-class steer. Don't duplicate such a foolish thing. If you feel that you must or quit business, by all means quit. When a prospective beginner has determined to raise purebreds he should not become mystified by the advice of many as to which breed he will raise. The beef breeds are all goods, with the Shorthorn undoubtedly leading as the all-purpose breed.

A Safe Way for the Beginner.

Study the different breeds till you know them thoroughly enough to know which one you can admire most and care for best, the same as you would the girl you are to marry.

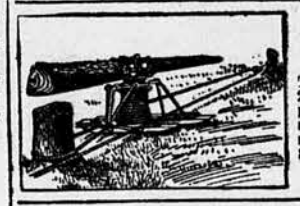
I speak from the view of the Shorthorn breeder, for that is what I have been for more than 20 years. From experience I have learned that there is no safer way for you if you are a beginner than to get on good terms (chummy) with some reliable breeder who has had years of experience in the same breed that you are raising. Get a seat beside him in the sale ring, and when you think he has paid a fabulous price for the wrong animal, ask him why he did it. He will probably point you to its pedigree embodying a long line of Scotch ancestry that has commanded high prices for years, and on account of its admitted qualities of excellence is as popular today as ever.

About Buying Pedigrees.

The novice, however, should not pay excessive prices for pedigrees of females unless he has a sire that insures the continuation of the high standard of excellence shown therein. I have in mind a number of sales at which we sold at good prices cows and heifers having from four to seven Scotch tops, and the purchaser would breed them to the plainest of bred bulls without a trace of Scotch blood indicated in their pedigree. What we had both paid good money for and I had spent years of painstaking effort to produce and perpetuate, the purchaser, through ignorance or poor judgment, had virtually thrown to the winds.

We hear much of new metheds in these days of progressivism. It is not only popular but it is the correct thing. However we should not undertake the higher ideals in agriculture and breeding, unless we determine in the beginning to understand them and make progress in them. Of course, we all understand that the logical and ultimate destiny of all our meat-producing animals is the barrel and the block. But if the breeder is in the business "for all there is in it" he must study the popular demand and take advantage of the opportunities it offers.

Make money by saving your empty bags. Write the Fredonia Linseed Oil Works, Fredonia, Kansas, for prices.—Advt.



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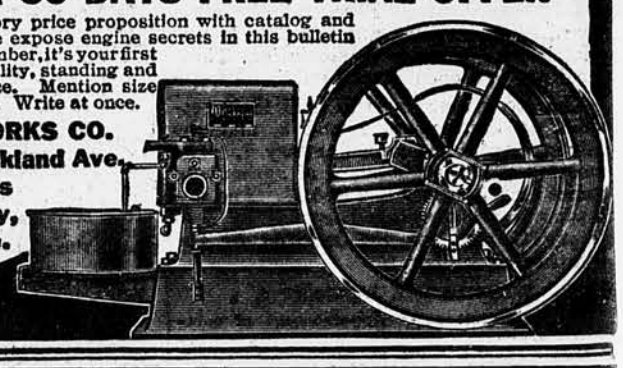

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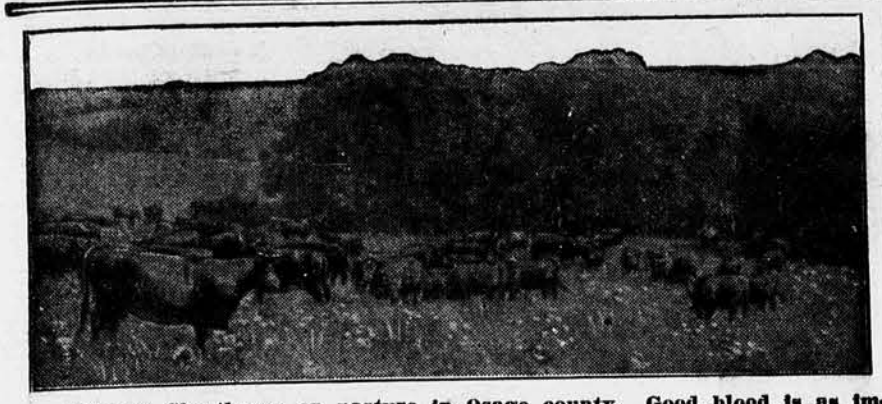


Tomson Shorthorns on pasture in Osage county. Good blood is as important as good feed in the cattle raising game, especially when it is attempted on a small scale.

Cattle on the Small Farm

How Pasture Difficulties May Be Solved

BY J. G. TOMSON, CARBONDALE
Written For Farmers Mail and Breeze

FAR too many of our farms have been stripped of every marketable product for years until the power of production is so low that the crops produced amount to little more than the cost for labor and seed. If these same farms could be stocked with good cows and the crops fed and returned to the land they would in a few years produce double what they are doing at present.

Doubtless some one is thinking that he hasn't any pasture or any place to make one, therefore can't keep cattle. Many farms perhaps could not carry many cattle, but I have yet to see the farm in this country that could not afford to keep several cows and their calves, if properly arranged, and though the numbers of acres tilled would be less the yield would be larger than the whole farm produced before.

Cattle on the Small Farm.

In arranging a small farm for cattle, I would suggest that from 5 to 10 acres adjoining the barn lots be seeded for pasture. On many farms this could include an old orchard or a ravine which has been waste heretofore and when cleaned up and seeded to bluegrass and clover will not only make good grass in summer but a dry, clean place to feed when the lots are muddy. If the weeds are clipped with a mower once or twice during the summer you will be surprised to see how much thicker the grass will grow and the pasture will greatly improve the appearance of your home. Other pasture can be made where the ground is least desirable to farm, but do not make your fences too crooked in trying to keep out a little more land to farm. Let the cows farm it. It will be easier to haul cream, or drive in a few fat calves than to haul corn and wheat.

Shelter and Feed Crops.

Shelter must be provided but this need not be expensive. Any good dry place where they can get shelter from the wind and storm will be satisfactory. Then if you will arrange your crops so as to have a variety of good feeds you will be well prepared to care for cattle. Nothing in this line is more satisfactory than alfalfa, as it helps keep the animal's system in the best condition for growth and helps balance any mixed ration you care to feed.

For best growth, the young stock must be well fed and cared for till past 2 years by which time they will be better able to care for themselves. At this age many farmers fail, by not getting good growth, when it could be had the cheapest. If the calves are to be hand-raised, keep them in a small pasture adjoining the barn and after their allowance of milk give them a light feed of grain. Calves that are allowed to suckle should be well on feed before weaning, so no shrink will be had.

Good Blood as Well as Feed.

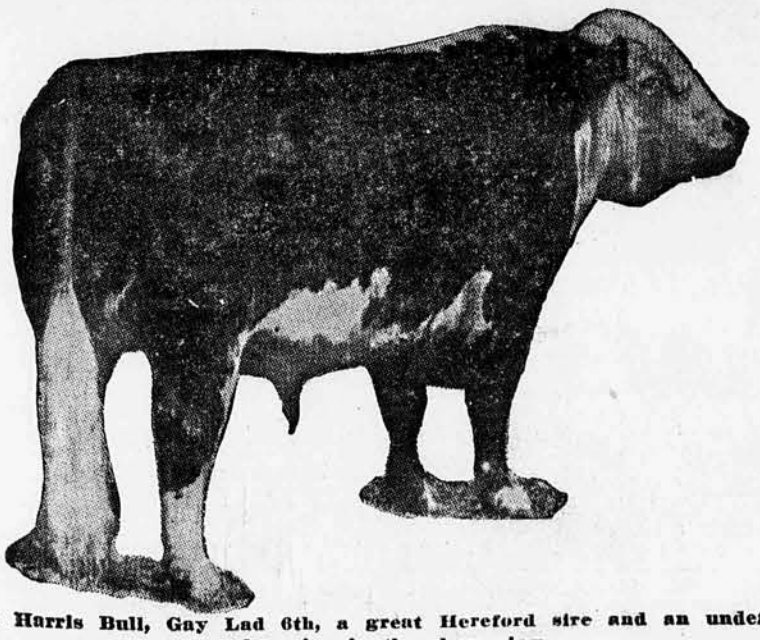
It is just as important that we have good blood as good feed. It is disappointing to see the lack of uniformity in our farm herds. If farmers would decide which breed of cattle is best adapted to their requirements and use care in selecting their sires they could soon have a herd of cattle of which to be proud. Most any of the good beef breeds could work improvements on our cattle. Personally I like Shorthorns best and could cite many reasons why, but there is room for all good cattle.

By good blood, I mean animals that have a good line of ancestry and are good individuals themselves. Purebred stock that has been allowed to degenerate for several generations is little better if any than a grade animal. It is just as possible to destroy the good qualities of purebeeds as of other stock, if they are half starved for a few generations and sires of inferior quality used. Select sires that are well grown, vigorous fellows, with plenty of size, but avoid coarseness as our packers want smooth, good-dressing cattle.

Fattening Calves For Beef.

I know of one man who had a good lot of grade cows to begin with and in 15 years' time, used sires from five different breeds and the result was a miserable, ill-shapen lot of thriftless cattle. I know another who is careful in the selection of sire and sticks to the same breed year after year. His cows improved in quality until he was able to sell a lot of them from the poorest end of his

(Continued on Page 25.)



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Improving Your Dairy Herd

A Good Bull is Always a Great Help

BY R. J. LINSCOTT, HOLTON, KAN.

Written For Farmers Mail and Bree

THERE was never a time that the outlook for the dairy business and especially for the breeder of purebred dairy stock was so good as it is today. There is a wonderful demand for more milk, more butter, more cheese. The population is increasing fast, we cannot increase our herds in the same proportion, hence the demand for improved dairy stock is becoming greater every year. All of those who are starting purebred dairy herds are laying the foundation of a very successful business if it is carried on as a business venture and handled in a business way.

This demand for better cows is not confined to any one section, but is world wide. There is no section of the country but where a good capable dairy cow will bring a handsome price, a price that will make a good profit for the breeder.

Start With a Purebred Bull.

In the building up of a good profitable dairy herd the average farmer cannot expect to start with all purebred special purpose dairy cows. His conditions, the stock he has on hand, his knowledge of handling special purpose dairy cows, the amount of money required to start out with, are all drawbacks to this quicker way of starting. It is often best for him to start with a purebred bull and one or two purebred heifers and gradually work his way up rather than to go into it too heavily at once and risk perhaps his all on the one chance. He will find that he has many new conditions to meet in the handling and breeding of his special dairy cattle far different from his handling of his scrub range stock. The dairy cow is more susceptible to quick changes of temperature, owing to the fact that she does not put the feed on her back as flesh but puts it in her milk, hence she needs extra protection from the elements. She is more sensitive to treatment, feed and all conditions. She needs better housing, better feed, and better treatment. This does not mean that she needs or requires elaborate outlay for barns, feeds, etc. A very modest but comfortable barn can be built on any Kansas farm for little money which will comfortably shelter the dairy stock and give them a chance to make profitable gains for the owner every day in the year.

Cheap Feed Our Advantage.

In regard to the feeds, we have the world beaten. For we are able to raise our own feed profitably on our own farms. The best and most economical feed for dairy cows that can be procured anywhere is corn, cane, milo, silage, ground corn or ground milo, alfalfa hay, and roughness such as corn stover, wheat straw, millet hay, cane hay, etc., grown in profusion all over Kansas. Corn and alfalfa are the great economical feeds of the world. They are the basis of true economical dairying. No state can beat Kansas in the production of these feeds cheaply.

The special purpose dairy cow needs kindness above all things. She has been highly developed and is used to kindly, considerate treatment for many generations past. She should be very regularly handled in every way. Regularity in feeding, milking, watering and in everything that pertains to her.

Choose the Breed You Like.

Then there is the effect of purebred sires. If the offspring give but 1½ pounds more milk per milking than their dams, they will give 1,000 pounds more milk per year or $10 or more clear profit per cow per year than their dams. This is a very low estimate, and indicates the ordinary common milk cow will not return her owner a fair profit. So he must needs work into the use of the special purpose dairy cow. Individually, I believe the Jersey more ideally fills his requirements and is the most economical dairy cow. However, I also know there are several breeds of dairy cattle that are very profitable and a man should select the breed he individually prefers.

In building up a system of agriculture new lands go through different stages of development. This great western country originally was a vast grazing plain. On it were run great droves of beef cattle. Little by little it was fenced and farmed, the beef herds became smaller, they were fed and finished here, then, as land advanced in price people began to milk the beef cow to help out in the income. As conditions changed still more and land became higher, the beef cow was crowded out to find new conditions and new environment, and the special purpose dairy cow gradually worked her way into our favor.

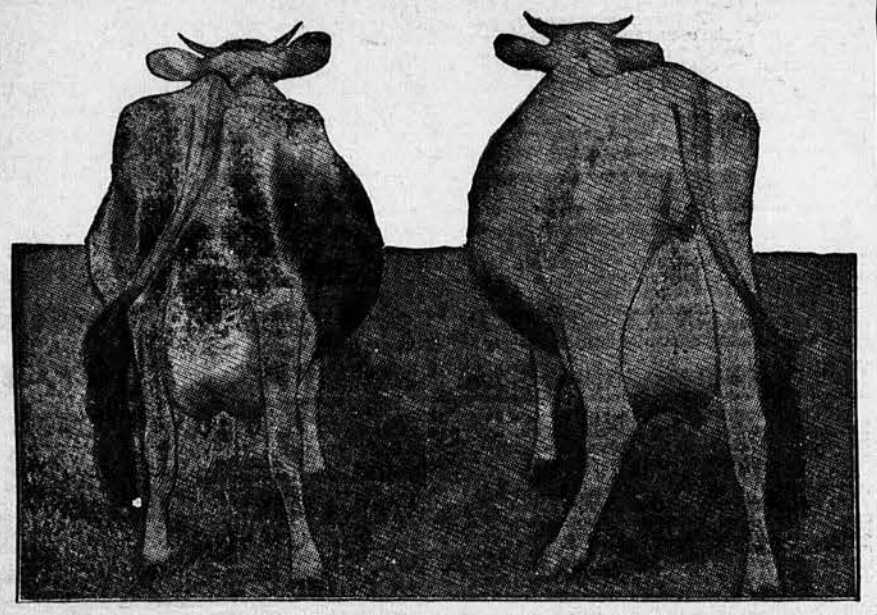
The Old Ways Are Played Out.

You cannot profitably keep a beef cow under the old conditions for the beef calf that she raises for you every year or two. You cannot profitably milk her and sell the dairy product and the beef product and make a maximum profit today on high-priced land and with high-priced feed, labor, etc. You must use the special dairy cow as an exclusive dairy machine, or you must use the special purebred beef cow machine and the new and advanced ways of handling if you would make good profit out of the raising of beef.

I do not for an instant say that there is not good profit in raising beef, there should be, and the prospects for the future of this industry seem very bright. But, to make a success of it, new methods must be adopted, you cannot do it as it has been done during the last 50 years in this country.

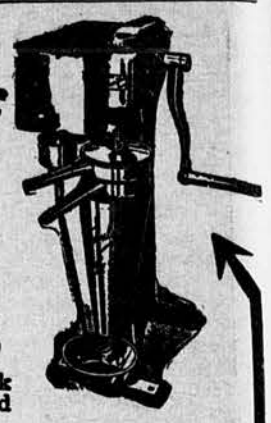
You can more than pay your hired man's salary by selling your empty bags to Fredonia Linseed Oil Works, Fredonia, Kansas.—Advt.

Cut up some bright, green alfalfa hay, scald well and mix with corn chop and bran. Then see what the hens will do to it.



There is a wonderful demand for more milk, more butter and more cheese and the man who has special purpose dairy cows, like these two "Jersey milking machines," is fortunate indeed. Often the grade dairy cow properly handled will prove her worth.

From Maine To the Gulf



progressive farmers and dairymen everywhere are using

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They are successful, progressive men.

Here's a Letter from Maine: Danforth, Me., March 12, 1912.
Am using No. 3 Sharples Separator. In 1910 milked eight cows and sold $450 worth of sweet cream; and raised $200 worth of calves and pigs on the skim milk. Haven't figured up for 1911, but returns were nearly as good. G. R. FOSTER.

And Here's Another from Texas: Hamlin, Texas, June 16, 1912.
I have a Tubular Cream Separator and like it fine. N. G. BAIRETT.

Sharples Tubular Cream Separators make money and save time for you because they get all the cream, are easy to run, and can be cleaned THOROUGHLY in a few minutes.

One of our customers wrote us the other day that his No. 4 Tubular in twelve years had cost him 20 cents for repairs. Some record, that—and worth remembering when you buy a Cream Separator.

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Mail and Breeze, Dept. HB-10, Topeka, Kansas

Cows Make Dry-Farming Win

And They Don't Have to be Purebreds Either

BY H. M. COTTRELL

Written For Farmers Mail and Breeze

GRAIN farming has always been a failure in dry-land sections east of the Rocky mountains. In favorable years, a wheat crop will often sell for more than the cost of the land and there have been two or three good wheat years together but these have always been followed by one and usually several years of poor grain crops. In eastern Colorado and western Kansas in the dry-farming sections there have been six heavy wheat crops in the entire district in 28 years. There have been fair yields in several other years and several years when the crop was practically a failure. The average farmer cannot afford to take the risks and has not the means to carry his business over the years of failure.

H. M. Cottrell, Agricultural Commissioner of the Rock Island lines, is a warm advocate of dairying for western Kansas.

Forage Crops Seldom Fail.

Forage crops seldom fail to make a fair crop. Sorghum, Kafir corn, milo and Spanish peanuts wait for rains and will yield a feed crop in the driest years provided the ground is properly handled and the seed has been grown under dry-farming conditions.

The forage of these crops is too bulky to ship and often cannot be sold in a home market to advantage. When it is fed to dairy cows, cream, a condensed product, is produced that has a ready cash market every day in the year and can be shipped profitably long distances.

The native grasses of the dry-farming sections are good dairy feeds both when growing and in the winter when, cured by nature, they stand on the ground where they grew. I knew a farmer who moved from Iowa to eastern Colorado in December. He took up a homestead that was covered with native grass that had not been pastured during the summer. He had some good dairy cows and no feed except the dry buffalo grass pasture. His cows averaged through the winter $4 per cow per month.

A Steady Cash Income from Cows.

Another advantage of dairying for dry-farming districts is that it affords a steady cash income the year 'round. Most creameries pay for every shipment of cream the day it is received. A man can move on a dry-land farm and take with him some dairy cows. The first morning he is on the farm he milks the cows and ships the cream from their milk. Within two days he receives a check in payment for the cream. He can do this every week in the year. Dairying gives him a steady cash income and enables him to pay cash for everything he buys. By paying spot cash the dry-land farmer can usually save 25 per cent in the cost of the goods he buys over the cost where he raises grain exclusively and has to ask for six months to a year's credit.

Cream intended for butter making can be shipped 200 to 400 miles. This affords the dry-land farmers a choice of several markets and he can always secure competition among buyers of his product.

Learn How to Choose a Cow.

A few years ago I held a dairy meeting in a dry-farming district and conducted a demonstration with cows, showing how to select a profitable dairy cow for dry-farming conditions. When I finished talking, a farmer got up and said that he was milking 14 cows. That he, his wife and his children were working just as hard as people could and were barely able to make a poor living. He said he believed I had shown him the trouble—he was not milking the right kind of cows.

He and his son went home and drove the 14 cows to the meeting. One cow was a good one, the kind that properly handled and fed with dry-land feeds would pay $75 or more a year in cream. The best dairy expert in the state could not make a single one of the other 13 pay expenses.

Few dry-land farmers have the experience and the equipment necessary to profitably handle cows of the special dairy breeds such as the Jersey, Holstein, Guernsey and Ayrshire. Good cows of these breeds will undoubtedly yield much larger profits than ordinary cows provided they are skillfully handled under favorable conditions.

The "Points" of a Good Milker.

The average dry-land farmer will usually find it most profitable to keep grade beef cows having strong dairy tendencies. He will generally find the cows he wants among the grade Shorthorns and can find many good cows of the right type among range beef herds

He should select a cow with a slim neck and sharp withers. The top of the shoulders should be very sharp and the shoulders should carry little flesh when the cow is in good condition. The cow should have a large paunch. This is found in a cow which has long ribs and ribs well rounded out. The cow on the dry-land farm must get most of her feed from roughage and must have a capacity to store and handle large quantities of rough feed. The larger the paunch, the more feed it can handle.

The cow should have prominent hip bones when in good flesh. A cow that turns her feed into meat has the hip bones smoothly covered with flesh. A cow that turns her feed into milk does not put flesh on her hips, even when she is in good condition.

The flank should be well arched and the legs should be well cut up behind so as to provide room for an udder. A cow which is thick-meated between the hind legs and has a straight flank has no room for an udder. The best udder is long from front to back.

Milk-Making Forage Crops.

Sorghum and Kafir corn are practically sure to make a crop of forage every year on dry-land farms. One of the best ways to keep them for feed is to put them in silos. If the dry-land farmer is short of money he can dig a hole in the ground, making it 15 to 20 feet in diameter and 20 to 25 feet deep. The dirt sides can be plastered with cement. The cash cost of such a silo is not over $25 and it will hold silage for 10 to 15 cows.

(Continued on Page 25.)

Group of dry-land Holsteins. Under favorable conditions good cows of special dairy breeds will yield much larger profits, but the ordinary dry-land farmer will generally find the cows he wants among grade Shorthorns of the milking type.

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On the contrary you may buy a DE LAVAL NOW and save half its cost by spring. Moreover, if you can't conveniently pay cash you can buy a DE LAVAL machine on such liberal terms that it will actually pay for itself.

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Why not start 1913 right in dairying? SEE and TRY a DE LAVAL NOW when you have plenty of time to investigate thoroughly. The nearest DE LAVAL agent will be glad to set up a machine for you and give you a free trial of it.

The new 72-page De Laval Dairy Hand Book, in which important dairy questions are ably discussed by the best authorities, is a book that every cow owner should have. Mailed free upon request if you mention this paper. New 1913 De Laval catalog also mailed upon request. Write to nearest office.

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has revolutionized the live stock industry. It is the practical product of practical farmers. When we made the first Indiana Silo ten years ago we made a better silo than anybody had ever made before. We sold it before it was finished and then made another even better than the first. Altogether we built 50 Indiana Silos that year.

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CROPS and FARM WORK

Ground Moisture is Getting Low and Wheat Fields Need Rain or Coat of Snow—Stock Being Kept Off Fields Until Moisture Arrives—Unusual Amount of Fall Plowing Done

(Crop Reporting Service of Farmers Mail and Breeze.)

A soaking rain or good blanket of snow would not come amiss just now to the man who has a crop of wheat out. Otherwise the weather was all that could be asked for right up to the New Year. Moisture, either in the form of rain or snow, was very scant in Mail and Breeze territory during November and December and wheat has not made much headway in the last week or two. Our correspondent for Russell county, Kansas says that most stock has been taken off wheat, which is a very good thing to do when the ground is short of moisture as it is now. J. A. Johnson of Barton county fears damage to wheat fields under present conditions in case of high winds or hard freezing.

The chinch bug danger that is threatening 1913 crops is causing no small amount of concern. In case of a mild winter there will be a healthy crop of bugs ready for business as soon as warm weather comes—unless the bugs are burned out now in bunch grass, pastures, fence corners, roadsides, etc. In their reports for Saturday, January 11, we ask our correspondents to include a line or two on the progress made in burning out the bugs, whether it is being tried in their counties or neighborhoods, and how generally.

Not least among the beneficial results of the fine fall has been the immense amount of fall plowing done. This means not only better seedbeds for next spring but the death of millions of insects turned up to the weather. The man who plows or lists his ground in the fall or winter not only helps himself but is a benefactor to the community.

KANSAS.

Russell County—Weather cold and clear. No moisture yet but wheat seems to be holding its own. Most of stock has been taken off wheat fields. All stock doing well.—Mrs. Fred Claussen, Dec. 28.

Pawnee County—Weather clear and mild but too dry. Wheat not growing but looks well for the time of year. Stock doing well but hog cholera is raging in some herds. Many hogs have died. Wheat 74 cents, corn 35, butter 25, eggs 22.—P. G. Haney, Dec. 25.

Osborne County—Fine winter weather and had a very warm Christmas day. Corn nearly all husked. Wheat is O. K. but a little moisture would benefit it. Stock of all kinds doing well and free from disease. Wheat 70 cents, corn 36, Kafir 35.—W. F. Arnold, Dec. 28.

Ottawa County—Dry, open winter weather and no moisture for several weeks. Wheat in good shape yet. Standing corn all gathered. Cattle and hogs on full feed and doing fine. Rough feed plentiful. No snow yet. Stock selling high at sales.—W. S. Wakefield, Dec. 28.

Barton County—Weather is fine but too dry for wheat. Freezing and windy weather would do much damage to the crop now Very little wheat being pastured. Corn all husked and some shelling done. Considerable corn being hauled to market.—J. A. Johnson, Dec. 28.

Clay County—Corn all out and most of it is poor in quality. Wheat in fine condition and furnishing considerable pasture. Nothing but a very light snow so far. Rough feed going down in price instead of up as some predicted. Hog cholera prevalent.—H. H. Wright, Dec. 27.

Barton County—Silos are not in general use here yet but several were built last spring. Have talked with no one who didn't like them and they all say there is nothing like silage for feed. There is a promise of more to be built in the future.—O. M. Lewis, Dec. 23.

Cherokee County—More winter plowing done than for years. Corn husking finished. Crop is short. No rain for six weeks and wheat is not as good as it should be. Stock cattle in good demand and high. Ground bare and have not had much ice yet. Hogs $7.20. corn 50 cents, eggs 30.—J. W. Harden, Dec. 26.

Stevens County—Fine weather this fall but too dry for wheat. Threshing not finished yet. No rain since September. Lots of feed in the county and it is cheap Not enough cattle to eat it. Railroad on Colmar cutoff to reach Hugoton by January 1. Milk cows bring as high as $80. Fat hogs $7.—Monroe Traver, Dec. 25.

Shawnee County—Weather nearly too dry for wheat and some complaints made of flies. Corn all husked and stock doing well on stalk fields. No trouble with stalk disease yet. Still some hogs dying. Only two silos in this part of county and both are of steel. Hogs $7, corn 40 cents, eggs 20, butter 30.—J. P. Ross, Dec. 28.

Barber County—Silos have not been tried out in a general way in this county although about 25 were built last summer and fall. Steel and cement staves used as a rule. So far, they are well liked and more will be built as farmers are able. Best materials and mode of construction not settled upon yet.—G. H. Reynolds, Dec. 28.

Lyon County—Finest of winter weather which is good for cane and Kafir threshing. Weather dry for wheat but don't think the crop has been injured yet. Roads in fine condition and much corn, Kafir and hay being hauled to market. Most stock in good condition. Loose hay $8 to $9, loose alfalfa $11 to $12, corn 45 cents, Kafir 45 to 50.—E. R. Griffith, Dec. 28.

Pratt County—Fine, clear weather for a long time but have hard freezes at night. Wheat looks fine generally and fields that seemed to be badly damaged by wind last fall are coming out all right. Scarcely no wind to damage it for some time. Corn nearly all husked and shelled. All stock doing well on wheat pasture. Swine plague is abating.—J. L. Phelps, Dec. 28.

Trego County—Corn nearly all husked and much of it shelled. Kafir threshing in progress but is not yielding much. Some wheat still being hauled. About 150,000 bushels have been shipped from Ogallah. Fall sown wheat not all up and needs a good rain. Stock doing fine. Kafir 34 cents, corn 40, wheat 69 to 70, oats 30, feed $2.50 per ton and plenty of it.—E. L. Dean, Dec. 24.

Norton County—Corn husking about finished. Good yields in east half of county. Several new silos put up this fall and some were filled with cane and milo and both are turning out to be fine feed. The silo is the best farm improvement ever tried out in this county. Good many cattle in feed lots and are doing fine. Baled alfalfa $10, corn 32½ cents.—Sam Teaford, Dec. 23.

Phillips County—There are probably 15 or 20 silos in this county and the owners report that all stock likes the silage and are doing well on it. It is not only an ideal feed but it is a satisfaction to a man to know that his cattle are not likely to die of stalk disease any day. There is a talk of more being built next summer. I think cement silos predominate in the county as a whole. Most of them filled with corn.—N. E. Schneider, Dec. 24.

Allen County—Fine weather and a good deal of plowing done. Corn about all gathered. The crop was poor in south part of county but better in north half. Kafir did not yield as well as last year. Stock wintering well but some horses lost on stalks. Everything brings fair prices at sales. Milk cows sell for $50 to $80. Mules sell better than horses. Calves nearly all picked up at good prices. Hogs scarce. Kafir 35 cents, corn 40.—Geo. O. Johnson, Dec. 26.

Gray County—Farmers putting in good time during this fine weather topping and threshing Kafir, cane and milo. Yields are good, better than last year. Kafir is running about 40 bushels and some has made as high as 47. Cane doing about the same. Corn is making 25 to 40 bushels on prairie and nearly as good on sand. Good deal of late wheat in the ground which will not grow until we get moisture. Feed abundant and stock doing well. Much grain being shipped out. Kafir 35 cents, cane 90 per 100 pounds, corn 35.—A. E. Alexander, Dec. 23.

OKLAHOMA.

McIntosh County—Had a 3-inch wet snow Dec. 23 which was good for wheat and plowing. Cotton all in but a few scraps and ginning nearly done. Not much trading done in livestock. Mules slow sale. Early baled cotton is bringing $12.50, hay $7 to 8.50, corn 35 to 50 cents, butter 30, eggs 25 to 40.—H. S. Waters, Dec. 28.

Kay County—Quite a number of silos in the county and those who have them are quite well pleased The first cost in building seems to be the only kick against them. Most of them are stave silos. But if farmers will not list or plow up their corn and Kafir stalks to destroy the chinch bugs they will have very little to put into silos.—Sherman Jacobs, Dec. 27.

Hughes County—Had a "white Christmas" here, with 6 inches of snow that came Dec. 22. Snow was good blanket for wheat. Farm renters are busy moving. Jan. 1 is moving time here instead of March 1 as in the North. Too many renters are trying to raise two crops on same ground—grass and corn—and we wish some would move out of country or quit trying to farm.—Albin Haskett, Dec. 26.

Garvin County—Cool, changeable weather with light snow the last two weeks. Corn and cotton gathering about finished. Fresh milk cows selling at $50 to $60 each, butcher stock $6.25, broomcorn $45 to $75 per ton, alfalfa hay $10.50 to $12.50, prairie $6 to $8.50, cane $8, Irish potatoes $1, sweets $1.25, Kafir 70 cents, oats 35, corn 30 to 40, lint cotton $10 to $11.75.—H. H. Roller, Dec. 23.

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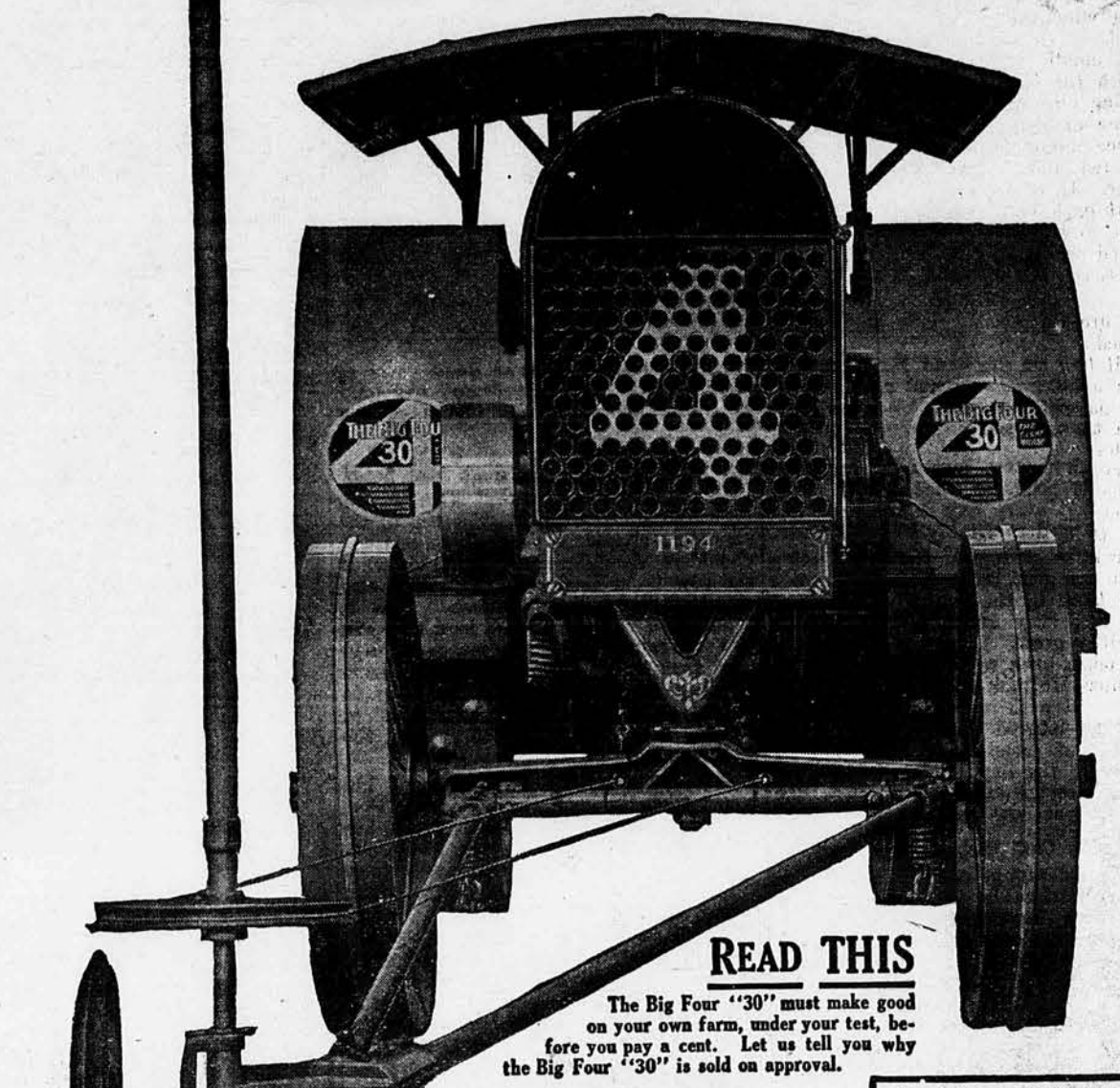

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Bringing up the Winter Calf

BY J. G. HANEY,
I. H. C. Service Bureau.

The fact Mr. Haney is a Kansan and was for years manager of the Deming ranch and formerly was connected with the Kansas Experiment station will add to the interest with which this good article on calf raising will be read by the readers of the Mail and Breeze. —Ed.

FROM the dairyman's standpoint, it is usually desirable to have the calves dropped in the fall. This admits of securing the largest quantity of milk at the time when dairy products are highest. It also enables him to keep up the flow to the very last days of the milking period, as the feeds he is able to supply during summer and fall are more palatable than he is able to obtain during the winter.

J. G. Haney.

For the good of the calf, it would be desirable to have it get a little start before the extreme cold weather. It is also more pleasant to care for the young calves at first during the milder weather. It is certainly desirable in every way to have all the calves dropped at as nearly the same date as possible. Calves of even size are much more easily handled and dealt with.

The Problem of Housing.

If there are more than four calves, there should be a special shed arranged with feeding stanchions. The calf shed should be dry and admit as much sunshine as possible. No better place for the calf shed can be selected than to build a lean-to on the south side of the cow barn, which will admit of putting windows on the east, south and west.

A small lot should be provided in which the calves may run and exercise during nice weather There are various forms of calf stanchions in use The calves should be held in place while being fed and for an hour or so thereafter. It is desirable to know exactly what each calf receives in the way of milk and grain. Good hay should be placed where they can get at it at all times.

First Milk To the Calf.

A great many dairymen take the calf immediately from the cow never allowing it to suck. Others allow the calf to take a part of the milk for three or four days. In any event, the calf should have the first milk from a fresh cow, as the colostrum, as it is called, is necessary in starting the digestive system of the calf.

The dairy cow usually produces more milk than the calf is able to use, hence the calf must not be allowed to get too much. For this reason it is perhaps safer to milk the cow and feed the calf from a vessel If the calf is allowed to go without feeding for 8 to 12 hours, it will usually be hungry, and by placing its muzzle in the milk and opening the mouth with the fingers, will take hold and drink without further coaxing. There has never been a calf feeding device that proved satisfactory.

The calves should be fed every 4 to 6 hours for a few days. The period between feeds may then be lengthened to three times a day The quantity fed must be somewhat determined by the size of the calf, but at first should perhaps be not more than 2 pints and gradually increased. At the end of the first week, they might receive 4 pints at morning, 2 to 3 at noon, and 4 at night.

From Whole to Skimmilk.

The three feeds a day should perhaps be continued for three weeks, after which they might be fed only morning

(Continued on Page 24.)

Calf stanchions, with a feeding vessel for each calf, save labor, milk and temper. Bucket feeding as shown above has been abondoned on modern dairy farms.

The World's Greatest Wagon Factory

1843

Seventy years ago (in 1843) Peter Schuttler made the best farm wagon in the world—with his own hands—in a little shop in Chicago. From the little shop of 1843 the business has grown, until today it is the greatest wagon factory in the world, with a plant that covers over 20 acres, still owned and under the active personal management of Peter Schuttler's grandsons.

The Old Reliable Peter Schuttler Wagons are built as carefully—as honestly—and as substantially today as they were in 1843. They have stood the hard test of racking service on the plains and mountains for 70 years. During all that time they have sold at higher prices than any other wagon—yet the demand for them has steadily increased year after year—because they have always been built better and have given more satisfactory service.

No inferior materials ever enter our factory, and the Peter Schuttler Wagon is made in but "One Grade of the Highest Quality."

Our sole aim is to make the "Old Reliable" Peter Schuttler—the "One Best" wagon that can be built, regardless of expense—one that will stand the test of hard service on the roads—one that can be sold at a fair price and that we can positively guarantee to give absolute satisfaction.

Year after year we have added new improvements and perfected new inventions, and have invariably maintained the high standard of Peter Schuttler Wagons. Our latest and most remarkable invention is the

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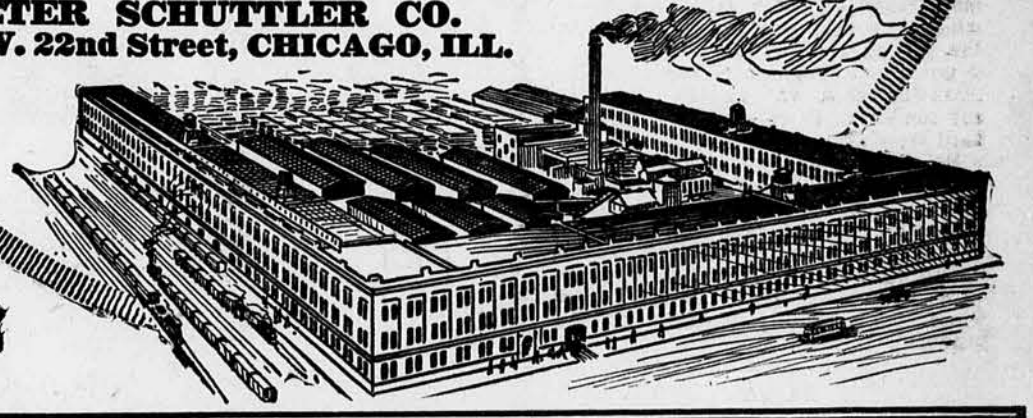

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In order to obtain 10,000 new subscribers or renewals to our paper during the month of January, we are making two exceptionally liberal clubbing offers which include our own paper and your choice of a number of other papers—each the best in its class—at just about **half** the regular subscription rate. Either of the two combination offers given below will provide a year's choice reading **for all the family** at a very special clubbing rate, which is good only during the month of January. Select one of these offers, and send in the coupon at once.

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Box 12 Established 1880 Fairbury, Neb.

FOSTER'S FORECASTS

(Copyright 1912 by W. T. Foster.)

To Farmers Mail and Breeze:

Washington, D. C., Jan. 4.—Last bulletin gave forecasts of disturbance to cross continent Dec. 7 to 11, warm wave 6 to 10, cool wave 9 to 13. This storm wave will average cooler than usual but its warm wave will bring one or two days of warmer than usual weather. Not much precipitation east of Rockies. Some local snows in northern sections and cold rains in southern parts east of Rockies. Precipitation will be heavier west of the Rocky Ridge.

Next disturbance will reach Pacific coast about Jan. 12, cross Pacific slope by close of 13, great central valleys 14 t 16, eastern sections 17. Warm wave will cross Pacific slope about Jan. 12, great central valleys 14, eastern sections 16. Cool wave will cross Pacific slope about Jan. 15. great central valleys 17, eastern sections 19.

Temperatures of this disturbance will average about normal but the cool wave preceding it will be much colder than the cold wave following it. Not much precipitation east of Rockies. About normal precipitation west of Rocky Ridge. At that time a great high temperature and severe storm wave will be on north Pacific south of Alaska moving eastward. Next bulletin will tell more about it. That storm wave will be of interest and you should not fail to read about it and be prepared for it.

Crop Barriers and Chinch Bugs

BURNING IS BEST.

What is the best crop to plant around a corn field to prevent chinch bugs from crossing into the corn? I have heard that the bugs will not cross flax.—J. S. S., Gardner, Kan.

I do not know of any crop that can be sown or planted around a corn field that will actually keep the chinch bugs from entering it. Chinch bugs will travel a considerable distance through almost any sort of vegetation, in order to reach corn. The best way by far to control chinch bugs would be to destroy them in winter quarters. The bugs are wintering in the bunch grass along the roadsides, in pastures and in sloughs. If you could get the farmers in your near vicinity to co-operate with you in this work, it would certainly be worth your while. If these bugs are not destroyed in their winter quarters, next summer it will be necessary to protect your corn by means of a dust barrier or a coal tar barrier.

George A. Dean.

Department of Entomology, Kansas Agricultural college.

Only Half a Supply of Hogs

Not only are the farmers of Kansas short on hogs but many of the breeders have sold out. Fear of cholera has generally been the cause of this wholesale dispersal.

This situation has been revealed by an inquiry which Farmers Mail and Breeze has been conducting for several weeks through its correspondents in all parts of Kansas, and among the swine breeders direct.

An accurate estimate of the shortage is of course out of the question, but the returns indicate that Kansas has not to exceed half of a normal supply of hogs either for breeding stock or market.

Horse Disease Not Incurable.

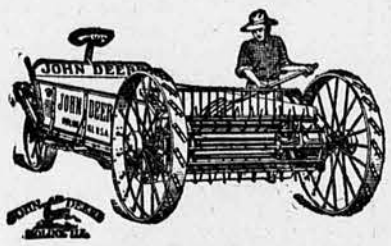
Mr. Editor—I spent four weeks during the horse plague in the lowlands of Atchison and Jefferson counties. My experience forces me to believe that it is forage poisoning from fungus found mostly on grasses and in freshly cured hay. I believe this because of the great amount of mould found and the results obtained in treating that particular poisoning.

The same method of treatment has given me good success with blind staggers. I know many believe the horse disease incurable but I believe 80 per cent or more of the cases could be cured if closely watched and the proper treatment administered reasonably early. However, the fact that a large number of horses were doped to death should also be remembered.

Holton, Kan. E. E. Hobbs.

JOHN DEERE SPREADER

The Spreader with the Beater on the Axle



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The John Deere Spreader has no clutches, no chains no adjustments. It does not get out of order. Is always ready for business.

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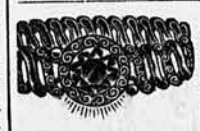

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Mrs. R. M. Remler, R. D. No. 1, Federal, Kan., had enlarged veins that finally broke causing considerable loss of blood. Used ABSORBINE, JR. and reported Nov. 5, 1910, veins entirely healed, swelling and discoloration gone and has had no trouble with them since July 1909. ABSORBINE, JR. is invaluable as a general household liniment, for the cuts and bruises that the children get, croup, deep-seated colds, stiff-neck, sore-throat. Removes fatty bunches, goitre, enlarged glands, wens, cysts, weeping sinews, etc. $1.00 and $2.00 per bottle at druggists or delivered. Book 3 G free.

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How a Kansas Dairy Farm Grew

BY BEN SCHNEIDER.

[Written for Farmers Mail and Breeze.]

In the winter of 1910 I went to Manhattan and looked over the dairy cattle on the college farm. I decided to start a purebred herd of Holsteins for these three reasons: The Holstein cow is a very large animal and can convert more roughness into milk than any other breed. She will give more milk than any other dairy cow which means more skim-milk on the farm and this in turn is a great aid in raising hogs. When your Holstein cow is no longer profitable for milking you have a larger frame than that of any other breed and you will therefore receive more for her from the butcher.

In January 1910, I bought my first two cows from Frank Searles of Oskaloosa, Jefferson county, paying $400 for the two. At the same time I bought a bull for $125. Out of this mating I have sold two bull calves and have three heifers left. I now have a Holstein herd of 26 cows brought from Illinois, Missouri, and New York. The average income from these cows is $100 per head.

Everything I feed this stock is raised on the farm. During the winter I feed about 40 pounds of silage a day per head, and alfalfa hay. In summer they run on bluegrass pasture and are fed the rest of the silage left over from winter. We have a barn 36 by 60 feet, with a shed on one side 16 by 60. On one side of this shed are stanchions for 20 cows and the silo is joined up to the end of the barn.

One trouble in owning a silo is to secure help to fill it. But where three or four farmers each put up a silo and then help each other at filling time, the expense is reduced to a minimum. My neighbor and I each have a 150-ton silo. Last fall I furnished six men and he furnished six. We used two corn binders and in three days we had 300 tons of the best feed on earth out of reach of the weather.

So many farmers keep scrub stock, and raise scrub corn and wheat. The scrub cow will eat just as much as the purebred but will not give half the return. This is one great drawback on the farm. The average boy will take a greater interest in farm life when there is purebred stock on the place. It is when there are so few conveniences on the average farm, and consequently too much drudgery that girls and boys leave it. Have a dozen or two of purebred cows on the place, put up a silo and fill it with the best cow feed known, arrange it so the cows can be milked indoors summer or winter, and you will have what I think the ideal farm should possess.

We have an acetylene lighting plant that lights both house and barn. There are 10 lights for each and all you have to do is to pull a little chain and you have a light as bright as day. The expense of putting in this system was $250 and the cost of operating it is about $3 per month in winter and $1 per month in summer. With conveniences such as these there is no trouble in keeping boys and girls on the farm.

Nortonville, Kan.

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Great Book of Money-Making Poultry Secrets—Given to Mail and Breeze Readers.

The well-known poultry authority, Mr. Reese V. Hicks, has written an intensely interesting and practical book that should be in the hands of every person interested in raising poultry for profit.

This book is "Tricks of the Poultry Trade"—the one different, desirable poultry book of the year. Among the many valuable secrets found only in this book are the following: Three methods of selecting the laying hen: A sure and certain method of selecting eggs for hatching; How to raise 500 chickens on a lot 30 by 40 feet; How to build a natural hen incubator; How to build feed hoppers and fireless brooders, How to make feed at 10 cents a bushel; How to make winter egg ration, poultry feeds and tonics, egg preserver, louse killers; How to grow pullets that lay young and make a large egg yield; How to handle incubators to best advantage; The trick of securing more pullets than cockerels; How to tell age of eggs and fowls; How to prevent lopped combs.

All these and many more subjects—too numerous to mention here—are fully covered in this great book. It is big value for two dollars of anybody's money—but we're giving them away FREE on this plan: We will give you one year's subscription to Farmers Mail and Breeze, one year's subscription to Poultry Culture, the best poultry journal in the West, and one copy of this great book of poultry secrets—all for only $1.25. State whether you are an old or new subscriber. Address at once, Arthur Capper, Publisher, Topeka, Kan.

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Sold on 30 days free trial. If not satisfied return it at our expense and we will refund your money. 80 rod spool of Ideal galvanized

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Write today for large Free Catalogue.

KITSELMAN BROS. Box 52 Muncie, Indiana.

FARM FENCE

11½ cts. a rod for a 26 in. high fence; 17 1-4c. a rod for 47 inch high stock fence; 26 1-2c a rod for a 50-inch heavy poultry fence. Sold direct to the farmer on 30 Days Free Trial. Special barb wire 80 rod spool, $1.65. Catalog free.

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For all purposes. Direct from factory, freight prepaid.

Bargain Prices—13c per rod up

Get our new fence book before you buy fence for Horses, Cattle, Sheep, Hogs, Poultry, Etc.

Also Lawn Fence and Gates

We save you *big money*—give you highest quality. Mail postal now for Big Fence Bargain Book

Dept. 12 THE BROWN FENCE & WIRE CO., CLEVELAND, OHIO

PROTECT YOUR HOME With an up-to-date Fire Extinguisher. $3.00. Refilled free of charge. Western Buyers Association, Kansas City, Mo.

Are You FAT? I Was ONCE. I Reduced MYSELF.

I was Fat, Uncomfortable, Looked Old, Felt Miserable, suffered with Rheumatism, Asthma, Neuralgia. When I worked or walked, I puffed like a Porpoise. I took every advertised medicine I could find. I Starved, Sweated, Exercised, Doctored and changed climate but I ruined my digestion, felt like an invalid but steadily gained weight. There was not a single plan or drug that I heard of that I did not try. I failed to reduce my weight. I dropped society, as I did not care to be the butt of all the jokes. It was embarrassing to have my friends tell me I was getting Stout, as no one knew better than myself.

SOMETHING HAD TO BE DONE

I began to study the cause of FAT. When I covered the cause I found the remedy. The Free Method gave me an insight. I improved on the Removed the objectional features, added more pleasant ones, and then I tried my plan on myself for a week. It worked like Magic. I could hardly

SCREAMED WITH JOY

at the end of the first week when the scales told me I had lost ten pounds by my simple, easy, harmless, Drugless Method. It was a pleasure then to continue until I regained my normal self in size. I feel fifteen years younger. I look fifteen years younger. My Double Chin has entirely disappeared. I can walk or work now. I can climb a mountain. I am normal in size. I can weigh just what I want to weigh. I am master of my own body now. I did not starve, but eat all I wanted to. I did not take Sweat Baths. I did not Drug. I used no Electricity, or harmful exercises, but I found the Simple, Sane, Common Sense WAY of reducing my weight and I applied it. I have tried it on others. My Doctor says I am a perfect picture of health now. I am no longer ailing. I am now a happy, healthy woman. Now I am going to help others to be happy. I have written a book on the subject. If you are fat, I want you to have it. It will tell you all about my Harmless, Drugless Method. To all who send me their name and address I mail it FREE, as long as the present supply lasts. It will save you Money, Save you from Harmful Drugs, Save you from Starvation Diets, Harmful Exercises, possibly save YOUR LIFE. It is yours for the asking without a penny. Just send your name and address. A Postal Card will do and I'll be glad to send it so that you can quickly learn how to reduce yourself and be as happy as I am. Write to-day as this advertisement may not appear again in this paper.

HATTIE BIEL, 726 Barclay, Denver, Colo.

The great value of spraying for fruit growers was never so thoroughly demonstrated as in 1912. And more spraying will be done in 1913 than ever before.

Do You Want This Steel Gate FREE?

One farmer in each community can get one for helping us introduce Tro Jan Gates to his neighbors. Write for particulars.

The Best Steel Gate in the World

High carbon steel frame. All No. 9 galvanized wire mesh. Special hinges. Patented self-locking latch. Steel center brace. Unbreakable. Raises at either end. Sold on 2 years' trial at our special direct-to-you factory price of $4.95.

W. K. VOORHEES, Mgr. Standard Mfg. Co.
805 Main St. Cedar Falls, Iowa

"Little Wireless Phones" For the ears that will cause you to HEAR

What eye glasses are to failing sight, my invisible ear drums are to lost or failing hearing. Just as simple and common sense and on the same principle, for they magnify sound as glasses magnify sight. They are really tiny telephones of soft, sensitized material, safe and comfortable, which fit into the orifice of the ears and are invisible. They can be removed or inserted in a moment and worn for weeks at a time, for they are skillfully arranged for perfect ventilation and anti-friction. These little wireless 'phones make it easy to hear every sound distinctly, just as correct eye glasses make it easy to read fine print. Among the nearly 400,000 people whom they have enabled to hear perfectly, there has been every condition of deafness or defective hearing. No matter what the cause or how long standing the case, the testimonials sent me show marvelous results.

Common-Sense Ear Drums

have restored to me my own hearing—that's how I happened to discover the secret of their success in my own desperate endeavors to be relieved of my deafness after physicians had repeatedly failed.

It is certainly worth your while to investigate. Before you send any money just drop me a line. I want to send you *free of charge* my book on deafness and plenty of evidence to prove to you that I am entirely worthy of your confidence. Why not write me today?

GEORGE H. WILSON, President
WILSON EAR DRUM CO., Incorporated
799 Inter-Southern Building, Louisville, Ky.

FREE AUTOMOBILE

To Students who qualify. Ride around taking orders in "Cozy Flyer"—6 cylinder—5 passenger car. We teach you to make big money in automobile business. Easy lessons—free model—no experience necessary. First lesson FREE to everyone answering this ad.

C. A. Cozy's School of Motoring
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MOTSINGER

GUARANTEED AUTO-SPARKER

(Better than an everlasting battery.)

Will generate current for ignition, and electric lights, charging storage batteries, etc. Suitable for all types and sizes of gas and gasoline engines. LET US TELL YOU HOW to MAKE your own ELECTRICITY

Catalog Free with full Information

MOTSINGER DEVICE MFG. CO.,
249 Tog[illegible] St., [illegible], Ind.

[illegible] work—[illegible]

Would you like a steady job selling my goods, starting right away, earning $30 a week, with a chance to be promoted to a position paying $3,000 yearly. No experience or cash needed. My agents have steady employment the year round. I am ready to give you a position right now where you can make **big money quick.** Just write me a letter or postal today sure and say: "*Mail particulars about the position you offer*" and mark the address

Personal for E. M. DAVIS, President
E. M. DAVIS CO., 152 Davis Block, Chicago

1913 ART CALENDAR FREE

I will send a handsome 1913 P. C. art calendar in 8 colors and gold, and a big assortment of Easter and other post card novelties for 4c postage if you will show my cards to 6 friends.

D. O. Fogelsanger, 233 South 5th St., Philadelphia, Pa.

WATCH, RING AND CHAIN FREE

We give LADIES' SMALL and gents' size, HUNTING and open face watches to anyone, for selling our art post cards at 10c a packet. Order 20 packets now. When sold send $2.00 and we will send you FREE a stem-wind, 6-yr. guaranteed watch, highly engraved, proper size; also signet ring and handsome chain.

PALACE MFG. CO., Dept 74, CHICAGO

Farmers Sons Wanted with knowledge of farm stock and fair education to work in an office; $80 a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. The Veterinary Science Association, Dept. 22, London, Canada.

Good Boars Pay Dividends

No Better Farm Investments if Well Handled

BY GEORGE W. BERRY

Field Man Farmers Mail and Breeze

OF ALL the animals kept on the farm the hog is the first that should be provided with comfortable quarters, and he should be fed and cared for in a manner to secure the best results.

G. W. Berry.

A good boar is the best investment on the farm. No other domestic animal will return as great an income as a good sow bred to a good boar. The statement holds true both with the farmer and breeder. Next, the value of a dam of the right sort cannot be overestimated, and it is safe to rate a single really good sow as a far better investment than a whole herd of ordinary individuals and common breeding. The creative breeders have always held in the highest esteem the females that occupy prominent positions in the lines of noted families of the improved breeds.

But each of the modern breeds owes its most noticeable improvement to the influence of outstanding sires. The four or five prominent boars, to one or more of which nearly all modern Berkshires trace, are examples of the great importance of the sire. The reference is likewise true in Poland Chinas, Duroc-Jerseys, Shorthorns and other breeds of swine or cattle.

A few years ago the writer, while waiting at a union railroad station, was hailed by an acquaintance who was just taking a train for another state, and was asked the question, "Mr. Berry, what is the best way to get a herd boar?" Inadvertently I replied, "Breed him." My friend explained that he had just bought a half interest in a Poland China boar for $2,600. As his train pulled away, I could only say to him that I wished him well. Two years after I met him at a sale, and during our conversation, which led to the outlook for the breeding business, he suddenly remarked, "Mr. Berry, I often wished that I had taken your advice two years ago. The buying of a half interest in that boar at a long price has caused me endless trouble, a lot of worry and a lawsuit." The moral of which teaches that inflated prices do not add genuine breeding value, and sham and false pretense must seek their level.

The writer has personal knowledge of a number of instances of the purchase of good boars possessing unusual individual merit, backed up by great ancestors and the evidences of exceptional breeding value, at prices ranging from $200 up to $1,000, and a few as high as $1,500, and these boars have paid for themselves in a short time. The real good ones are scarce, and the best ones should, as they do, demand good prices. There never was a greater shortage of high class breeding animals within the memory of the wrriter than at the present time. In view of the thinned out herds throughout the country we wonder where the demand for the next few years can be supplied.

Success in the management of breeding animals, both in the improvement of the herd and in making money out of the business, depends on the proper development of the sire and the dams and, further, on the opportunities created by the owner. Doubtless many sires that possessed merit have been lost in obscurity because their owners never appreciated their worth or neglected to inform the world of their existence. Occasionally, a real great one has been saved by the merest trifling circumstance. The writer was acquainted with a traveling man, living in an adjoining county, who owned a farm which he stocked up with purebred stock, and to whom N. H. Gentry offered the choice of two young boars for $25. I saw the pig the man chose at his farm. Afterward, I saw the one he left at Wood Dale Farm, and Mr. Gentry named this boar Longfellow. Had the traveling man picked Longfellow for his fancy breeding farm the boar would probably never have been heard of by the public. In the hands of his breeder uncommon opportunities were created for Longfellow. He not only was made one of the greatest show boars of his day but was used on the best collection of sows perhaps that England and America afforded, and his sons were placed at the heads of the leading herds of the country. The success achieved by the breeder of Longfellow is one that should be studied by every beginner.

A boar pig that is selected and intended to become a good sire, should be cared for according to the purpose. Within the present year we have shipped two young boars that were the equal in every way to anything we ever bred, only to learn after a few months that the purchasers had allowed these promising young boars to become rrined by neglect and hard treatment.

A CHAMPION GROUP OF OKLAHOMA POLAND CHINAS.

Belgian Best Known in Europe

Mr. Editor—It is not overdrawing facts when we say that the real merits of Belgians as draft horses are the least known of all imported draft breeds. This is due partly to their high cost in Europe. Nevertheless, they are the best of all draft breeds. Among range men they will bcome what the Herefords are to cattlemen—the rustlers of the plains.

No money has been spent in introducing the Belgian while other breeds have been pushed and advertised at a cost of thousands of dollars. The proof of the pudding is not in chewing the string. No horse bred to the common American mare will bring such geldings for market or horses for farm use. No other horse is so sound, or has such feet, action, feeding capacity, and no other makes so much money for everybody—breeder, feeder, dealer, exporter, and worker. The Royal Belgian is the poor man's friend.

In International shows the Belgians have won all sweepstakes for a score of years, over all breeds in Europe. At the Paris World's Fair in 1900, with all draft breeds shown in the ring, the Royal Belgians took the sweepstakes and the next two places after it. A Percheron made fourth place and two more Belgians occupied fifth and sixth. All Europe buys the Belgians and all America ought to.

Emporia, Kan. L. R. Wiley.

Pasture Leases Being Made

Cattlemen are beginning to look for the 1913 pasture leases, and already some contracts for next year have been signed in the Bazaar district in Chase county at $7 to $7.50 a head. J. W. Sullivan, of Bazaar, said last week that inquiries are numerous and at an advanced price over any previous year. In the De Graff district there is talk of a new contract being required. According to G. A. Ramsey, pasturemen want to charge $4 per hundred pounds gained. On this basis they believe the charge would be equitable to both and insure the grass being worth the money paid.

A good time to prune grape vines is on a mild day in January.

I WILL SEND TO YOU FREE THIS BIG BOX

WILBUR'S WORM-KILL

THE GREAT CONDITIONER AND WORM DESTROYER

For HOGS, HORSES, CATTLE and SHEEP

MAKES LITTLE PIGS GROW BIG AND BIG PIGS FAT—SLEEKENS HORSES—DOUBLES THE YIELD OF MILK FROM COWS—KEEPS LAMBS AND SHEEP WORM-FREE

KEEPS ALL STOCK HEALTHY

MANUFACTURED BY
WILBUR STOCK FOOD CO., MILWAUKEE, WIS.

The Market Hog Business

An Interesting System of Double Breeding

BY M. F. MARKS, Jefferson County
Written For Farmers Mail and Breeze

MY FIRST step in hog raising is to put a higtight fence about the whole place. It is not expensive. The loss of a few hogs inclined to stray, would pay the bill. The fence is an economy in various ways. It will keep your hogs in and your neighbor's out. It may even turn aside the stray dog carrying a diseased bone or the hungry coyote intent on a pig dinner. Without pasture, better stay out of the market hog business if you want profits. But with fence all about the place, your whole farm will be a pasture. Separate the various fields and meadows with fences, with ample gates connecting them. After crops are taken off the hogs can be turned in. They are good gleaners and besides the waste grain they pick up they will do away with many weeds—all going to make weight, growth, and health in your hogs that costs you nothing.

What Is Good Hog Pasture?

Rye or wheat make valuable hog pasture in winter and early spring. In the order of their usefulness as hog pasture are, bluegrass, white and red clover, alsike and alfalfa, or rape. Pure water to drink and overflows in which to wallow are necessary to hog development in pasture and elsewhere.

Milk, fresh and warm, or slops of bran and shorts, are of great value to pigs at weaning time. To make feed allowances too liberal is likely to make the hog shiftless, and dependent. Bone meal, stock feeds, milk, and high priced by-products are not absolutely necessary to market hog raising. The mother's milk first, then a liberal diet of corn, salt, good pasture and range, pure water to drink and more water to wallow in, are all a pig needs to be happy and to develop size and weight. Then comes the stuffing period when rations of good, sound corn are gradually increased, until he begins to sit languidly around, gazing into the blue skies. He is then "ripe" and nearly all profit.

The Art of Marketing Hogs.

If prices are good, mature and market your hogs early even though light in weight. If prices are down, take more time and grow them larger so as to have more pounds. You can't lose by this system.

Good sheds and housing will be appreciated in time of cold, stormy weather. If houses are roomy and ample, there will be little or no piling up to keep warm.

The sow that "trots" is a depraved and degenerate animal, no matter how her pedigree may read. Put her in a dry pen with a roof over it, fatten her and give her a car ride. Don't sell her to your neighbor as a good brood sow for it would be an unfriendly act.

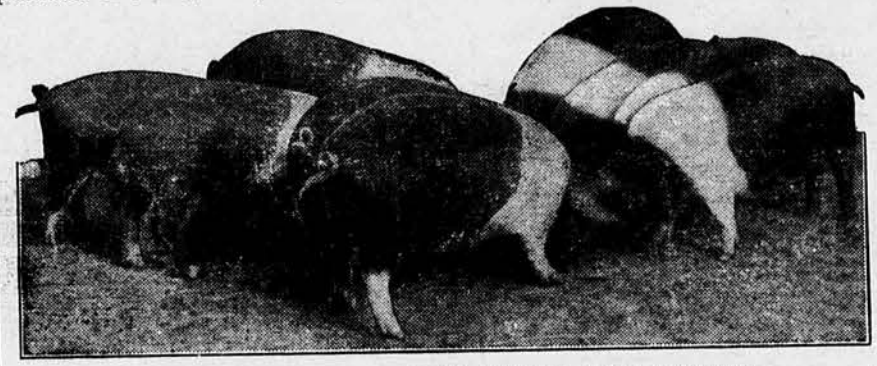
A Double System of Breeding.

As to the breed of hogs, get the best standard breed obtainable. It is well to keep two sets of brood sows—one set to produce hogs of quick maturity, say 8 months—the other of slower development and larger size. Head each herd with a perfect male of its kind and in this way you can insure purebred hogs when sows are bred after their kind. Or when crossed they will produce a market hog for any month of the year. This system can be used with one male, changing breeds each alternate year, thereby putting new blood into each herd every second year. By so doing you may keep up the purebreds for show and breeding purposes, and at the same time provide a market hog that will mature in 8 or 10 months at small outlay but liberal profit.

The market hog should never be bred. Their descendants make up the "rough to common" market quotations. In my opinion, this and careless inbreeding are responsible for many diseases and conditions that make losses intolerable and profits impossible. We have never yet shipped a "rough to common" hog to market. Don't be in a hurry to breed the gilt; get size and age first.

Two litters a year are enough—November breeding for market hogs (crosses) and April breeding for purebreds. Don't be afaid that the farrowing sow will be too fat if she has freedom of range and feed. The thin sow is in more danger at that vital period and the litter will not be so prosperous. The thin mother is also harder to rebuild after weaning the pigs.

Valley Falls, Kan.



HAMPSHIRES AT 6 MONTHS, KANSAS BRED AND FED.

Ground for rhubarb and asparagus cannot be made too rich.

Farm Meeting at Emporia

The soul of the Hutchinson Industrial and Agricultural congress held last November is still marching on. Besides the action taken at the state institute at Manhattan in session this week, a similar meeting has been called for Emporia January 7-8, representative of the fourth congressional district. Some of the best speakers in the state have been secured and the Emporia Commercial club will see that everybody is taken care of. For further particulars address A. L. Oliger, secretary, Emporia, Kan.

No "Cure" For Horse Plague

That $1,000 reward offered by Governor Stubbs for an effective cure for the horse epidemic which swept the western part of Kansas last fall, will have to go begging. The governor received 1,200 applications for the reward but not one of the "remedies" accompanying them were considered effective or certain of curing the disease. All the cures proposed were turned over to the veterinary department of the Agricultural college where they were passed upon by the veterinary experts.

Three Farm Horses Bring $520

The other day C. B. Slusser of Richland, Kan., sold three horses, one 10-year, 1,400 pound mare and a pair of geldings weighing 2,700 pounds for $520. They were bought by Bell & White of Topeka. These were just common to good farm horses. The sale indicates the demand for good horse flesh of the heavier type.

Wichita Market Short on Sheep

Last year in the vicinity of Wichita nearly 120,000 sheep were fed, and this year a big estimate of the number on feed would be 30,000. This was the statement of L. W. Scott of Maize, Kan., last week. "The high asking prices for corn and alfalfa early in the season were responsible for such a condition, and now that prices for both are lower, the thin sheep are not available. Mr. Scott usually feeds about 5,000 sheep, but this winter has about half that number.

Mr. Stock Raiser—Read This Big Free Offer

$10,000,000 Worth!

of hogs, horses, cattle and sheep died last year from worms, careless feeding, bad blood, intestinal troubles and run-down condition.

JUST LISTEN TO ME ONE MOMENT

Right in *your own county* thousands of dollars were spent in veterinary bills. Tons upon tons of feed were wasted through malnutrition. Read the death statistics from your own state agricultural department.

I WILL PROVE TO YOU WHAT I PROVED TO THIS MAN

And the Proof Won't Cost You One Cent. Read What Dr. Pruitt Says:—

Vance, Ala., March 2, 1911.

E. B. MARSHALL, Pres. Wilbur Stock Food Co., Milwaukee, Wis.

Dear Sir:—I have been using your stock remedies for three years, and I want to say that they are far superior to anything of the kind I have ever used. I have not had a sick horse, cow, hog or anything else in the line of domestic animals since I began to use them. Yours very truly, E. A. PRUITT, M. D., Surgeon for Big Sandy Iron & Steel Co.

WILBUR'S WORM-KILL

(THE GREAT STOCK CONDITIONER AND WORM DESTROYER)

There is no secret about this wonderful remedy—it is composed of tumeric, elecampane, African ginger, gentian, soda, blood root, anise seed, golden seal, wheat middlings, quasia, elm bark and powdered charcoal.

Here Is My FREE Offer to You

I want to send you a big, full size box absolutely free. You don't send me one cent. Simply use the free box and judge for yourself. See what it does for your horses—watch your milk pails fill up—watch your little pigs grow big and your big pigs fat—your lambs and sheep will be worm free and have no scours.

REMEMBER—THIS COSTS YOU NOTHING— *Simply Mail That Coupon Today*

E B Marshall
President

WILBUR STOCK FOOD CO., 622 Huron St., Milwaukee, Wis.

BIG FREE BOX COUPON

E. B. MARSHALL, Pres.
Wilbur Stock Food Co., 622 Huron St., Milwaukee, Wis.
Please send me the big Free box of Wilbur's Worm-Kill.

I own _____ horses _____ cattle _____ hogs _____ poultry.

My Name _____

P. O. _____ R. F. D. _____

Freight Station _____ State _____

Poultry Keeping

CONDUCTED FOR FARMERS MAIL AND BREEZE BY REESE V. HICKS, PREST. AMERICAN POULTRY ASSOCIATION.

We want you to talk chicken with us. Good short letters on poultry matters especially welcome. A year's subscription to Farmers Mail and Breeze is awarded each week for the most helpful bit of poultry experience, and for second and third best contributions subscriptions to other useful publications.

The warm and busy hen is in best laying trim.

Looking after details is what counts in the chicken business.

Corn parched on the cob gives an occasional variety to the feed.

Birds turned out immediately after eating a hot mash are liable to colds.

When no other dusting material is at hand, sift out the ashes from the house and turn them over to the flock.

Clean houses and proper ventilation without drafts go a long way towards diet.—Mrs. J. F. Ramsey, Ft. Scott, Kan.

Trap nests and numbered leg bands constitute the only sure means of finding out which hens are doing the work.

A skinned rabbit hung up where the hens can reach him is worth more that way than the nickel he will bring in town.

If you are looking for birds to improve the egg laying qualities of your flock, patronize the breeders that are breeding for eggs.

A Vote for the Leghorns.

Mr. Editor—I am for the Leghorn for the farm and think they cannot be beaten. They eat less than other breeds and are the best layers the year around. The chicks are very hardy and soon learn to rustle for themselves. A flock of 100 hens will bring in $100 in a year's time besides furnishing eggs for the family and for hatching purposes. I have proven this myself. At 3 months old a fat Leghorn fry has as much meat on him as one of the other breeds, and is ahead of the others in flavor of meat. I raise the Brown Leghorns.

Silver Lake, Kan. A. S.

Don't sell your empty bags without first asking the Fredonia Linseed Oil Works, Fredonia, Kansas, for prices.—Advt.

Reliable Poultry Breeders

DUCKS.

PENCILED Indian Runner drakes. $1.00 each. Paul Grill, Ellsworth, Kan.

FINE INDIAN RUNNER drakes and Ancona cockerels. W. W. Wright, Bronson, Kan.

INDIAN RUNNERS—Some very nice drakes, $1.00 to $3.00 each. No ducks. R. J. Shirk, Ramona, Kan.

INDIAN RUNNER ducks. Topeka fair winners. Satisfaction guaranteed. Burt White, Burlingame, Kan.

THOROUGHBRED Indian Runner ducks and drakes. $1.00 each. Eggs in season. Mrs. Ala Sewart, Hollis, Kan.

INDIAN RUNNERS—American Standard—White egg strain. Drakes at reduced price. Going to move; must close out quick. R. J. Shirk, Ramona, Kan.

RHODE ISLAND REDS.

R. C. RED cockerels. $1.00. Florence Puckett, Garrison, Kan.

GOOD R. C. RED cockerels $2. Mrs. B F. Weigle, Winfield, Kan.

SINGLE COMB R. I. REDS. Cockerels J. L. Carmean, Neosho Falls, Kan.

ROSE COMB REDS. Satisfaction guaranteed. C. Wheeler, Argonia, Kan.

PURE S. C. RED cockerels, fine color type, and markings, $1.00 each. Mrs. W. L. Maddox, Hazelton, Kan.

ROSE COMB REDS. A few choice cockerels for sale at one dollar each. Mrs. Jas. Shoemaker, Narka, Kan.

THOROUGHBRED RED cockerels, both combs, good type, fine color and markings. $1 to $5. T. N. Marshall, La Cygne, Kan.

SINGLE COMB RHODE ISLAND RED cockerels for sale. Blue Ribbon strain. C. W. Murphy, 1750 Mass. St., Lawrence, Kan.

Reliable Poultry Breeders

RHODE ISLAND REDS.

RHODE ISLAND REDS—Males and females in both combs at low prices. Winners at state show. Write your wants today. A. M. Butler, Wichita, Kan.

SINGLE AND ROSE COMB Rhode Island Red cockerels, hens and pullets from best laying and richest colored strains in this country, $1, $2 and $3. Col. Warren Russell, Odessa Farm, Winfield, Kan.

TURKEYS.

FOR SALE—Bourbon Red turkeys. L. T. Cox, Alva, Okla.

BOURBON RED turkeys. Ann M. Barker, Whitewater, Kan.

BOURBON RED gobblers, thoroughbred. Fay Egy, Turon, Kan.

WHITE HOLLAND turkeys. Wm. Spealman, Marysville, Kan.

THOROUGHBRED Bourbon Red turkeys. Mrs. J. L. Miller, Eureka, Kan.

MAMMOTH BRONZE young tom turkeys 24 lbs. $4.00. Rosa Knoll, Holton, Kan.

PURE BRED Mammoth Bronze turkeys; large. Mrs. Lloyd Clark, Hazelton, Kan.

BOURBON RED turkeys for sale. Miss Josie Johnson, Eureka, Kan., Rt. No. 4.

BOURBON RED turkeys. Toms $3.50, hens $3.00. Mrs. George Sewart, Hollis, Kan.

FULL BLOOD BOURBON REDS. Mrs. F. H. Chamberlain, Sedan, Kan., R. No. 3.

THOROUGHBRED Mammoth Bronze Turkeys, Toms $5.00, hens $3.50. C. E. Foland, Almena, Kans.

PURE WHITE HOLLAND turkeys; the best. Write Julia Westphal, Kinsley, Kan., Rest Haven Farm.

MAMMOTH BRONZE turkeys. Toms $5 and $7. Satisfaction guaranteed. Mrs. W. S. Reece, Lucas, Kan.

MAMMOTH BRONZE turkeys from prize winning stock. Toms $5. Hens $3. Mrs. W. C. Simpson, Attica, Kan.

PURE BOURBON RED turkeys and S. C. Buff Orpington cocks for sale. Miss Mathilda Peterson, Simpson, Kan.

PURE BRED White Holland toms at $5.00 each. Satisfaction or your money back. Mrs. E. W. Buffum, Codell, Kan.

PURE BRED Bourbon Red turkeys for sale. Hens $3 each. Toms $4. Are related. Mrs. H. A. Voress, Windom, Kan.

PURE BOURBON RED turkeys. Unrelated trios. Also white Holland toms. $4.00, hens $3.00. Mrs. Will Jones, Wetmore, Kan.

WHITE HOLLAND toms $5. White Wyandottes, cocks, cockerels and hens $1 each. Eggs. B. B. Kemper, Mountain Grove, Mo.

WYANDOTTES.

WHITE WYANDOTTES. 80c to $1.50. Mrs. E. S. Louk, Michigan Valley, Kan.

WE HAVE fine Silver Wyandottes for sale. H L. Brunner, Newton Kan., Rt. No. 5.

WHITE WYANDOTTE cockerels $1.00 and up. Mrs. M. E. Johnson, Humboldt, Kan.

WHITE WYANDOTTE cockerels one dollar each. Mrs. J. H. Willig, Zeandale, Kan.

WHITE WYANDOTTE cockerels $1.00 each. Mrs. E. J. Stamback, Sedgwick, Kan.

WHITE WYANDOTTES. Selling out, half price. Write Mrs. Howard Erhart, Independence, Kan.

SILVER LACED WYANDOTTE cockerels for sale. Write for prices. Mattie Johnston, Grantville, Kan.

GOLDEN WYANDOTTES — Extra fine cockerels. Price $1.00 to $5.00. Ida Hodge, Phillipsburg, Kan.

WHITE WYANDOTTE cockerels $1.50 up to $5.00 each. Mrs. Geo. Downie, Lyndon, Kan., Route No. 2.

FOR SALE—Silver Laced Wyandotte cockerels from $1 to $3 each. Henry Blase, Sylvan Grove, Kan.

PURE BRED Rose Comb Silver Laced Wyandottes. Cockerels $1.00 each. Guy Barnes, Milton, Kan.

PURE BRED WHITE WYANDOTTES. Cockerels $1.50 to $5.00 each. J. E. Gustafson, McPherson, Kansas.

SILVER WYANDOTTE cockerels; prize winners. Indian Runner drakes. Mrs. C. C. Henderson, Solomon, Kan.

WHITE WYANDOTTE cockerels. White Holland tom and Indian Runner drakes. Write Andrew Kosar, Glasco, Kan.

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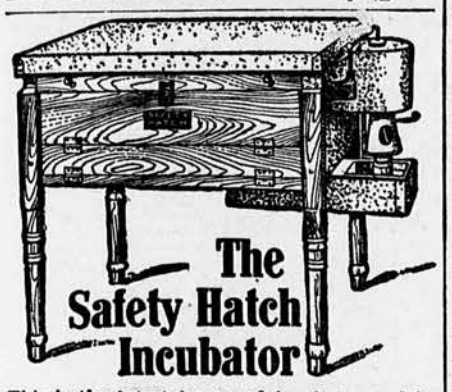

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How Much Better Are Purebreds?

For several years farm people have been advised to raise only purebred chickens. Before they follow this advice, a good many are demanding to know just how much more profitable, if any, are mixed breeds than purebreds. Kansas Agricultural college proposes to get at the exact facts in the case through a series of tests. The main object of the experiment is to learn what influence will be exerted upon mongrel hens and their offspring by purebred males.

Among the results to be noted in the experiment are the uniformity of the offspring of these matings, in regard to size, type and color; their earliness of maturity, fattening qualities, and egg production.

Four dozen mongrel pullets, representative of the average birds of mixed breeding found on Kansas farms, have been secured. These have been divided into four groups of a dozen birds each, three pens, each pen mated with a purebred cockerel, and the fourth with a mongrel. One pen is mated with a Barred Rock male whose mother laid 232 eggs her first laying year. The second group is mated with a White Orpington cockerel from an imported hen that laid 187 eggs the first 10 months she was in this country. In the third pen is a single comb White Leghorn whose mother has a record of 252 eggs in her first laying year. In the fourth pen is a common mongrel.

This experiment may be carried on for several years so as to get definite results from the offspring during several generations. The pens headed by purebred males will of course approach a step nearer pure breeding with each generation while the mongrel pen will make no advance in this direction. The comparative results obtained should prove interesting and valuable information.

How Careful Mating Counts.

[Prize Letter.]

Mr. Editor—The birds used as breeders are to a large extent responsible for the health of our young stock. In selecting breeding stock the thing that is very important is to select strong, healthy, mature birds. If not quite mature, it will pay better all around to let them go over until another season.

Nearly all poultry breeders that sell eggs for hatching, feed their hens to produce all the eggs possible, regardless of results. To feed hens for large numbers of eggs only, overtaxes the vitality of the birds and that diminishes the fertility of the eggs. Last season I had a Barred Rock hen that laid 34 eggs without a day's rest. She was in a pen of five females and one male. The first 16 eggs out of these 34, were all fertile. Out of the next 10 only 6 eggs were fertile, while not one in the last 8 eggs laid would hatch. She was given a rest and on beginning to lay again her eggs were fertile.

In the last 10 years I have had a lot of experience in poultry raising and have been trying to find out the reasons for so many complaints from buyers of eggs for hatching. I too have had eggs that hatched only three or four chicks per sitting, and sometimes not even one egg would produce a chick. Besides the stimulating feeds for eggs there are too many hens in the average breeding pen. Most of them contain 10 or 12 hens with one male where there should be but five or six hens. I have had but one male that had good results with as many as 12 hens.

The best feeds for breeders are those that will keep the birds strong and healthy as a first consideration, letting them lay accordingly. The last of November I penned up a few of my best breeders and am feeding them as follows: In the morning they get a quantity of oats that have been steeped by pouring boiling water over them and covering with a sack to keep in steam. In about an hour I drain off the water, add a teaspoonful of salt for each 2 gallons of oats, and feed warm. At noon I feed a little wheat and Kafir in litter and at night they have corn. It is a good plan to mix a little red pepper in the hot oats.

Everest, Kan. James Meberg.

Sulphur Fumes Cured Roup.

[Prize Letter.]

Mr. Editor—Roup broke out in my flock of chickens last winter and I faithfully tried many remedies. While some of them helped and kept the disease in check, none of them cured. Finally I put some live coals in a tin can and added a tablespoonful of sulphur to them. I fumigated the hen house with the chickens in it for 20 minutes. I then turned them out and added more sulphur for a thorough fumigation. In four days I repeated this treatment and the roup disappeared. Now I fumigate with sulphur once a month and believe it kills all disease germs. There is no danger of killing the chickens if you do not leave them in the house too long. If yours are troubled with roup, try this remedy. It has been worth dollars to me.

Mrs. John H. Young.

R. 2, Ottawa, Kan.

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I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Plated Narcissus Spoons made by the famous Oxford Silver Plate Company. Each spoon is extra heavy, full standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of these handsome spoons absolutely free, postage paid, to all who send just $1.00 to pay for a year's subscription to my big farm weekly, The Farmers Mail and Breeze. Send your subscription order at once and secure a set of these beautiful and serviceable spoons. State whether you are new or old subscriber. Time will be extended one year if you are already paid in advance. Address Arthur Capper, Publisher Mail and Breeze, Topeka, Kan.

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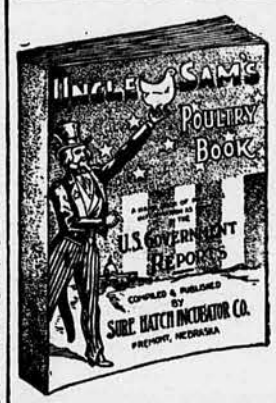

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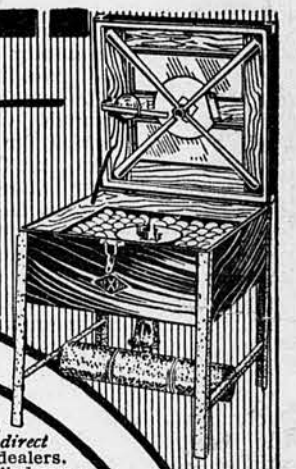

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Bringing Up the Winter Calf

(Continued from Page 17.)

and evening, and skimmilk gradually added to replace the whole milk. If the whole milk is very rich, it might be allowed to set for 10 or 12 hours and a part of the cream skimmed off. However, the milk should be fed at about blood temperature and it is best to have the animal heat in it if possible.

At the time of changing from whole milk to skimmilk, which should require at least a week, the calves should be taught to eat some grain. The calf stanchions should provide for setting a vessel in front of each calf, into which its portion of milk may be poured. There are perhaps no better vessels for feeding calves than ordinary 1-gallon earthen crocks. These are perfectly smooth and may be scalded and cleaned out carefully, as it is necessary to keep them sweet and clean.

Start the Grain Feed Early.

After the calf has had its milk ration, a handful of ground corn or Kafir should be put in the feeding vessel. While it is a very general practice to mix grain with the milk, I do not consider it a good one, as it is necessary that the calf chew the grain and secure the action of the saliva before it is swallowed. The addition of grain is for the purpose of replacing the fat which has been removed by skimming the milk. By adding grain to the calves' rations, it is not necessary to increase the amount of milk fed as the skimmilk contains nearly as much food value as the whole milk did, with the exception of the fats removed. When 2 weeks old the calf will relish shelled corn, but the Kafir should be ground. Oats are good feed for calves, but it is unnecessary to buy high priced feeds to replace the fat removed by skimming the milk.

There is nine times as much trouble caused from over-feeding as from under-feeding. The dairy calf should be kept only in a good growing condition, and not fat. It should be encouraged to eat hay and other coarse materials, as it is desirable to extend the digestive tract as much as possible. The feeding of the calves should be done with regularity, and great care taken to feed uniform amounts.

Preventing Ear Sucking.

By using the stanchion, it is possible to soon teach the calves to come to their own place at each feeding. Feeders should know exactly what each calf is being fed and give it no more nor less, except for the gradual increase to keep up with growth. Calves should be left in the stanchion for an hour or so after feeding them, for they are apparently more hungry after feeding than before and often form the habit of sucking each other's ears. When a calf is observed to have this habit, it should be removed at once from the bunch and given a stall by itself for a few days, until it forgets the practice

The milk should always be fed at the same temperature, about 100 degrees Fahrenheit and always sweet. The vessels in which the calves are fed should be thoroughly scalded out every two or three days, depending on the weather. In cold weather, of course, there is not so much danger of them becoming sour.

Cost of Hand Raising a Calf.

A great many calf feeders consider that a calf must have access to some clean, loamy soil which it will eat to correct any irregularities which may occur in the system.

If the milk from a creamery is to be fed, it should be pasteurized before feeding. It is possible to raise calves on tea made from hay, but this requires very careful work.

The Kansas experiment station, (Bulletin 126) states that the cost of feed to raise a good skimmilk calf, need not exceed $5.27, in contrast to $19.13 for whole milk. In a feeding trial of skimmilk, whole milk, and calves sucking dams, the skimmilk calves made the most profitable gains, whole milk calves second, and those raised by dams, third. It is not only possible but profitable in every sense to winter calves on skimmilk.

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Making Beef Economically

The business of the steer-raising farmer is to turn feed into beef at the lowest cost and in the shortest time. But the fattening steer wastes a good portion of his ration, which is the reason why you let your hogs follow the steers to get the whole grain which they pass off as waste.

The cause of this waste is poor digestion—the inability of the animal to extract from its ration, in proportion to the large amount consumed, those nutrients which make for beef, blood and muscle. Tonics are needed to strengthen and invigorate the digestive organs of the steer—to sharpen its appetite and keep the system generally toned up.

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Removing Blood Warts.

I have a 2-year-old colt that has a blood wart about the size of an egg on his hind foot just above the hoof. How can I remove it?—S. R., Princeton, Kan.

If the application of acids or other caustics do not remove the warts, the best thing to do would be to dissect it off and apply some mild antiseptic, such as a teaspoonful of carbolic acid to a pint of water. Apply to the raw surface.

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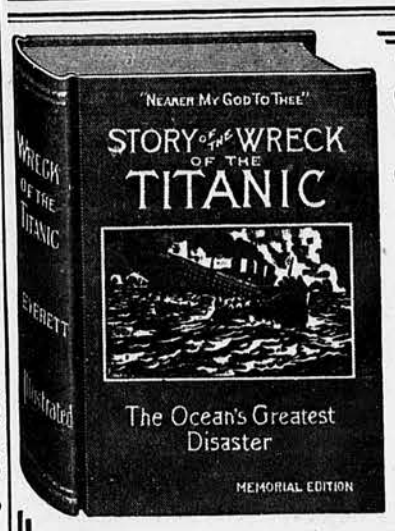

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How Bridge a Farm Creek?

W. S. GEARHART,
State Engineer.

[Written for Farmers Mail and Breeze.]

We have a creek running through the farm and want to put a bridge over it to cross to the fields on the other side. I am thinking of putting in concrete abutments with walls of proper height, then laying hedge posts across about 2 feet apart. Then putting tight hog fencing on top of these posts and filling in with concrete. How would this do? Would it be better, after placing the posts, to make a platform under them and start the concrete on this, cementing the posts right into the floor?—A. S., Galva, Kan.

I do not consider this proposition practical. It is all right to put in the concrete abutments but it would be much cheaper and more satisfactory to build up the forms to place the floor on in such a way as to make it possible to remove them when the concrete has set. The hog fencing does not make good reinforcing material because too large a proportion of the wire runs in the wrong direction. I would not recommend, either, that the work be done without using forms which could be removed There would be little or no saving in material and the forms left under the floor would just take up that much waterway. They would soon rot out and hang down. Manhattan, Kan.

Cattle on the Small Farm

(Continued from Page 13.)

herd to an eastern buyer for breeding purposes. He allows his calves to suckle, fattens them during the winter and has received prices for them averaging a little more than $30 net, at weaning time. This average covers the last three years. Many more such instances could be cited.

This plan of fattening calves for baby beef is one that will work well on our farms. Beef can be made cheaper at this age than any other and the surplus is cleaned up each year which will make more room for the breeding cows. You will have no trouble to find buyers for them when fat, if you don't care to ship them yourselves. Many such calves from 12 to 15 months old were sold on the market at $60 to $70 per head last spring.

An Opportunity in the Situation.

What I have said are the mere facts and a trial will prove their worth. With cattlemen from every section of the country agreeing there are fewer cattle than for years before, with prime steers selling close by and up to $11 per hundred, it surely seems that farmers have an opportunity before them, if they will but try to meet it.

Feeders complain of the quality of cattle they are compelled to buy, or allow their feed lots to go empty. Though the prices paid for such as can be had, have been extremely high and they show a fair profit when returned to market, it is those with quality that bring the high mark.

If farmers would , they could produce the cattle needed and greatly improve the quality of the cattle, enrich their lands, increase their bank accounts and make their home surroundings more attractive.

Cows Make Dry-Farming Win

(Continued from Page 15.)

Milo is a sure grain crop on dry-land farms and should be grown to supply grain to feed the work teams, cattle, hogs and poultry.

Spanish peanuts yielded well in the Texas Panhandle, the driest year since white people have been in that country, and are probably adapted to the dry-land districts of Kansas, Colorado, Oklahoma, Texas and New Mexico. The vines and pods cured together make a hay containing 18 per cent of protein and 21 per cent of fat—the richest hay known for forcing a high milk yield.

Ten to 20 Cows Enough.

Average cows, selected for dairy qualities on dry-land farms should produce $50 each per year where cream is the product marketed. Good cows, well handled, on dry-land farms are producing $75 per cow per year. The average dry-land farmer, with the help of his family, can raise the feed and handle 10 to 20 dairy cows and market the cream.

Empty bags are worth money. Write the Fredonia Linseed Oil Works for prices. Fredonia Linseed Oil Works, Fredonia, Kansas.—Advt.

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The WOMEN FOLKS

Conducted by Mabel E. Graves

We want this department to be of practical use to the women who read Farmers Mail and Breeze. If you have any favorite recipe, any helpful hint, whether it concerns the family, the kitchen, the children, the house, or if you have anything to say which would be of interest to another woman, send it to the Home Department editor. Prizes for the three best suggestions received each week will be, respectively, a set of triple-plated teaspoons in the beautiful Narcissus design, a year's subscription to the Household magazine, and a year's subscription to the Poultry Culture magazine.

The next two months are a splendid time to decide on the trees and shrubbery to be planted next spring.

For a wedding present how would an unabridged dictionary be? As a gift it would have at least three good points. It would be unique, it would be useful, and it would probably be the only thing of its kind received, which is more than can be said of silver spoons and water pitchers.

A neat farm yard is even more important in winter than in summer, because in winter there isn't any grass to cover things up. A yard scattered with tin cans, cobs, old hats and shoes, and cornstalks and straw from the feeding isn't particularly attractive to passers-by nor much of an inspiration to the people who live there.

We are beginning the new year with high hopes. We want the next twelve months to be better than any year we have ever known before. But the things we are able to do now are only the ones that we have been getting ready for during the past year and the years before.

Gargle for Sore Throat.

Take ½ pint of strong sage tea steeped with 1 teaspoonful of cayenne pepper. Strain and add to it 2 tablespoons of strained honey, 2 of vinegar and 1 of salt. Gargle every hour until throat is better. Mrs. George Robertson.

Strong City, Kan.

Fried Sweet Potatoes.

[Prize Recipe.]

Boil sweet potatoes till tender, then pare and slice lengthways. Dip in flour and drop into hot lard to which has been added a tablespoonful of butter. Sprinkle with sugar and salt, fry brown and serve hot. This makes a delicious dish. In cool weather the potatoes keep for days and are very handy to use on short notice.

Mrs. W. L. Hickman.

Wichita, Kan.

Washing Dishes a Pleasure.

To the women and girls who dislike the homely task of dish washing I would like to tell how I made a joy of the work. On wash days I take particular pride in whitening the dish towels, and I do not consider it a waste of time to iron them like table linen. The dishes are "done" promptly at the close of each meal. They are well scraped and stacked neatly on the kitchen table, even the pans and kettles. I use a white scented soap and plenty of it. I wash rapidly, putting the dishes into another pan of hot water, then wipe them with a snowy towel while some of the kettles are soaking One reason I enjoy the work is that I never have a black-bottomed kettle in my kitchen.

Jennings, Kan. Pearl Chenoweth.

Embroidered Baby Pillow.

[Prize Letter.]

A baby pillow made of thin white wash goods is both dainty and practical. A good size is 15 by 20 inches. Buttonhole the edge and work eyelets just inside. Make the back like the front, and lace together with narrow ribbon. The design on the front of pillow should be stamped on wrong side of material, as it is done in shadow embroidery. To do the shadow work start at the lower point of a leaf or petal and fasten thread with a few tiny stitches exactly on the line of the design where they will be covered. Take a tiny stitch on right side of leaf, then a stitch on left side, setting the point of the needle each time toward the lower end of the leaf. The threads will

PILLOW IN SHADOW EMBROIDERY.

cross, much as in feather-stitching, except that the stitches are taken very close together. Continue to take a stitch first on one side, then on the other, always keeping exactly on the line. Stems are outlined on the wrong side. When finished, the stems, leaves and petals will all be outlined with tiny, bead-like stitches. Dots may be worked solid or in eyelets. Put a pink or blue pillow beneath the cover and lace with ribbon to match. Mrs. Nick Broker.

Step-Saving Salt Box.

[Prize Letter.]

I have seen so many good things from the women folks I want to tell about my salt box. Take soft pine—scraps of boxes will do—and cut two pieces 8 inches long for ends and one piece 10 inches long for back. Slope the 8-inch pieces as shown in picture, also the back piece. Put in piece for front and bottom. Put the lid in with a slant, fastening it in place with two small nails, one in either end so it will turn as if on pins. Place this near the stove and you will find it saves many steps.

Mrs. Lester Johnson.

R. 1, Texhoma, Okla.

Cornmeal Mush.

When boiling meats save the soup they are boiled in. If some cold meat is left over which seems hard to use in other ways run it through the food chopper and add to the soup. Put it all on the stove and let come to a boil, then thicken with meal. Pour into baking powder cans to cool, then turn out and slice, roll in flour and fry brown in hot lard. Served wiht butter and sirup, eggs and coffee this makes a good breakfast.

Fitzhugh, Okla. Mrs. T. A. Hill.

Kentucky Amber Pie.

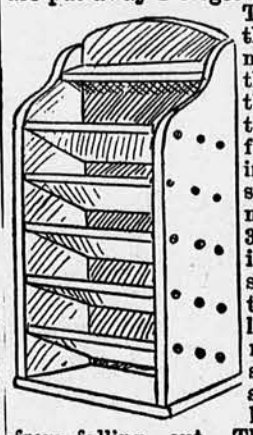
I have a recipe for Kentucky amber pie which I would like Mail and Breeze readers to try. One cup of small preserves, 1 cup sour cream or clabber milk, ½ cup sugar, yolks of 2 eggs. Make a rich pie crust and bake. Mix the ingredients, pour into the crust and place in the oven a short time. Whip the whites of the eggs, add 2 spoons sugar, spread over pie, return to the oven and leave till a light brown. By small preserves I mean raspberries, blackberries, cherries or cranberries. Mrs. L. D. Hickman.

Wichita, Kan.

A Rack for Your Papers.

[Prize Letter.]

I often read magazine articles that I think are good, but when the magazines are put away I forget where I saw them. To save myself this annoyance I made a rack like the one shown in the illustration. I took two boards 5 feet long and 12 inches wide for the sides of rack, then made five shelves 3 feet long and 12 inches deep, and screwed them to the sides at regular intervals, using nickel-headed screws. The shelves slant backward to keep the magazines from falling out. The magazines are placed on the shelves in order. On top of the rack I keep a small blank book in which I write the names of the articles to which I may want to refer, the name of the publication, the date, and the page where each was found. In this way I can find any article without delay or trouble.



Walter J. Broome.

Fried Tenderloin Steak.

A nice way to prepare tenderloin is to slice it about 2 inches thick, mash it thin with a wooden potato masher then dip in an egg well beaten, sprinkle on salt and pepper, dip in flour and fry brown in hot lard.

Mrs. W. H. Lamb.

Bonner Springs, Kan.

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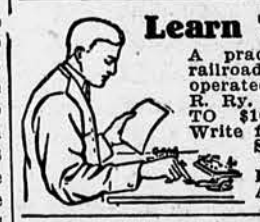

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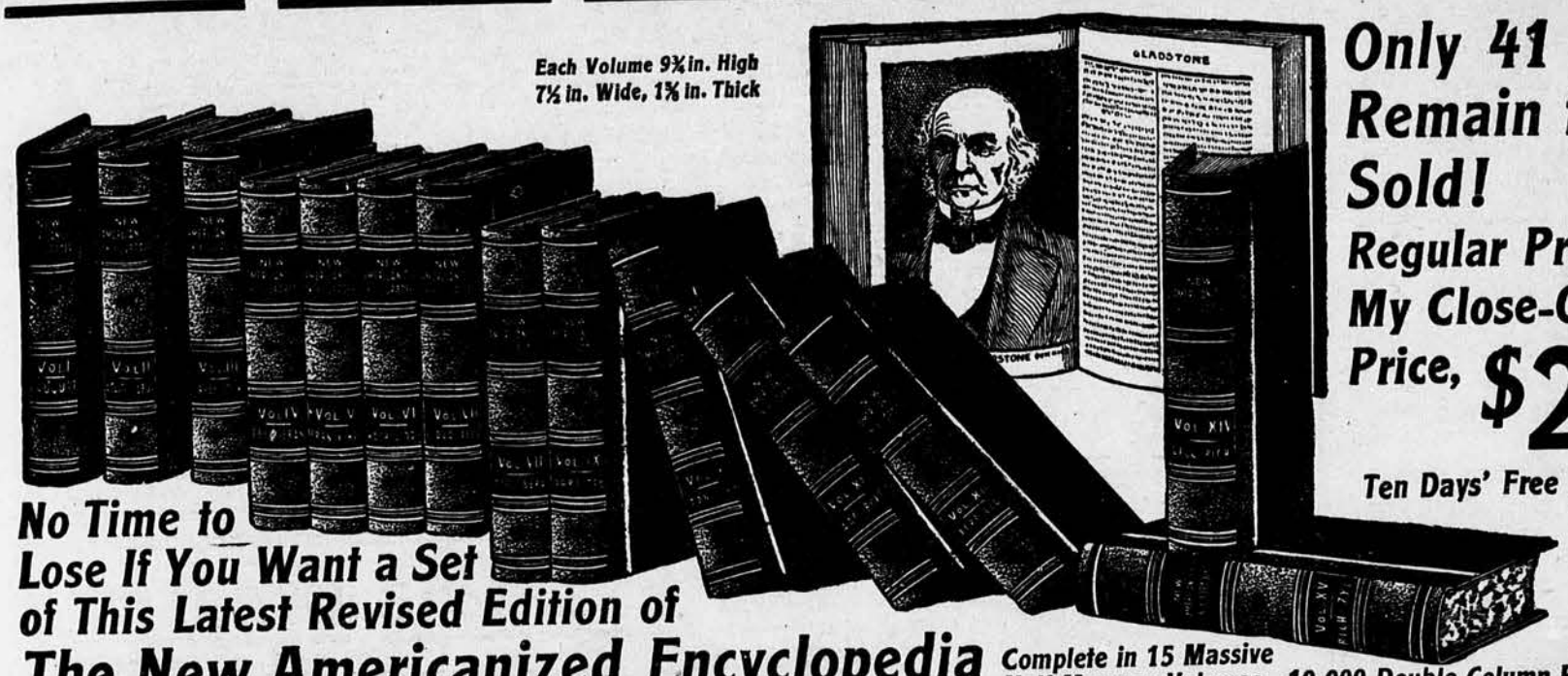

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BE SURE TO GIVE NUMBER AND SIZE.

Keeping the Shoe Buttons On.

We get so many helpful ideas from this department I feel it my duty to help a little. Let me tell you how I keep the buttons on the children's shoes as well as my own. After the shoes have been worn a while so I can tell where the buttons belong I clip them all off and take the small blade of a pocket knife or something that will make an incision large enough to push the eye of button through. Then I take a shoe string and cut in two, using half for each shoe. A flat knot is tied in the end, then the string is run through the button eyes after they have been pushed through, beginning at the bottom and running to the top, and fastening at top by tying another flat knot. This is more satisfactory and looks neater than the patent fasteners put on at the stores.

Mrs. D. L. Timbers.

Osborne, Kan.

Cupboard for Small House.

I have such a handy cupboard for putting clothes in I will pass the suggestion along. I have a closet under the stair steps. The door is 10 inches from the end of the closet so I made a cupboard of four drawers for holding clothing—one for each member of the family—leaving space enough underneath for setting shoes away. And the top is handy to set the mending basket, a satchel or hand bag on. Strips are sawed 1 inch by 1 inch for the drawers to slide on. One-inch lumber is used for the front and ends of drawers, and ½-inch for the bottom and back. We could not get ½-inch lumber so we got some boxes from the store, and these answered the purpose. It is not necessary for the women of the house to wait for the men to make them. The work was not half so hard as some might imagine. I got porcelain knobs for the drawers.

Gridley, Kan. Mrs. E. A. G.

Her Handy Kitchen Tray.

[Prize Letter.]

I want to tell you of one of the handiest things in my kitchen. It is a gray granite tray 14 inches in diameter. We use it for serving food to the sick and sometimes to the well; to mold the loaves of bread on ready for the oven; to cut bread, cabbage, meat, etc., on; to set a layer cake together on. It is just the size of the top of my butter bowl, so when I set the butter away for the final working I turn the tray over it to keep out dust and flies. It makes a nice cover for a crockful of milk. In fact, it is so handy I could not tell all there is to tell about the granite tray.

Mrs. John Chestnut.

Clay Center, Kan.

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Complete Illustrated Course of Lessons Given to Women Readers of This Paper For a Short Time Only.

We have just published in one large volume one of the most valuable and most comprehensive courses of instruction in home dressmaking ever written. This course of lessons covers practically every phase of the subject of dressmaking. It tells you how to make most every garment, from the simplest house apron to the most elaborate evening gown.

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How to make a tailored coat at home.
How to make a plain shirt waist by the newest and easiest method.
How to make a boned lining.
How to make stylish suits, skirts, waists, dresses and dressing sacques.
How to make wrappers, kimonos and underclothes.
How to make children's coats and school clothes.
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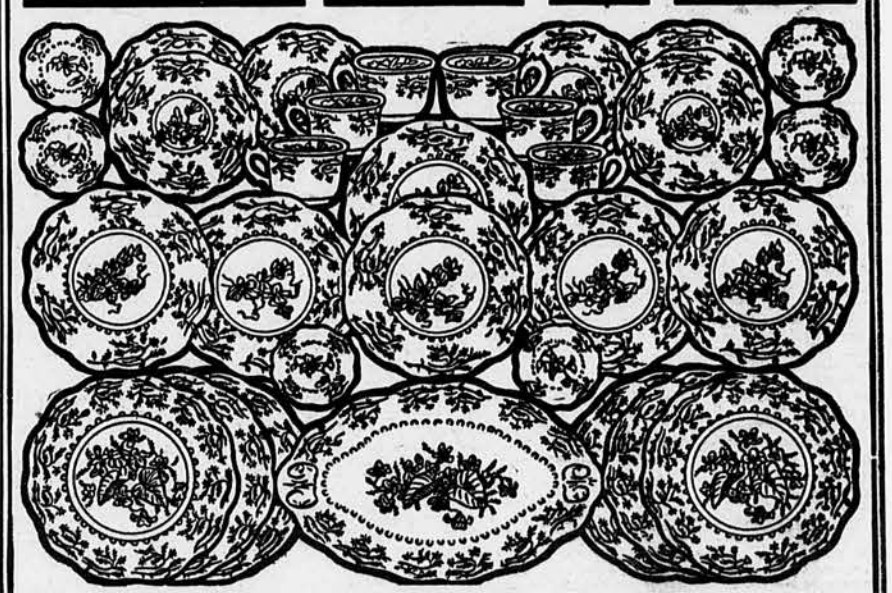

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Manager Dish Club, Dept. 21, Topeka, Kan.

Sign and Mail Me This Coupon Today

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TRAINED coon hounds for sale. Geo. Rice, Mammoth Spring, Ark

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GOOD AUTOMOBILE, also good brood mares in foal, also some good town property, to trade for cattle. Geo. Meyer, Morland, Kan.

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SEND postal for list or write me what you want, see what a good proposition I will give you, some good trades. Youngs, Howard, Kan.

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FARMS WANTED. We have direct buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

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150 BUSHELS of recleaned alfalfa seed $8.50 per bu., sacks free. John Ryman, Dunlap, Kan.

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PARCELS POST means thousands Railway mail clerks needed. $75.00 month commence. Write for list positions open. Franklin Institute, Dept. J 54, Rochester, N. Y.

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WANTED—Men in every town in Mo., Kan., Ill., Neb., Okla., Ark., to take orders for nursery stock. Outfit free. Cash weekly. National Nurseries, Lawrence, Kansas.

CAN USE a few old experienced salesmen for Oklahoma and Kansas to act as special representatives in good territory. Write Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

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GOVERNMENT FARMERS WANTED—$60 to $75 monthly. Free living quarters. Write Ozment, 38 F, St. Louis.

WANTED — Men prepare as Firemen, Brakemen, Electric Motormen, Colored train porters. Hundreds put to work. $65 to $100 month. No experience necessary. 500 more wanted. Standard Kansas Roads. Write Inter. Railway, Dept. 66, Indianapolis, Ind.

UNCLE SAM NEEDS STENOGRAPHERS. I will teach you by mail. Twelve years as Government stenographer enables me to properly train my pupils for Civil Service examination. Instruction based on actual experience. Address Harold Gibson, 1010 Paseo, Kansas City, Mo.

GOVERNMENT POSITIONS OPEN TO men and women. $90.00 month. Annual vacations. Short hours. No "layoffs." Parcels post means thousands of Postal appointments. "Pull" unnecessary. Farmers eligible. Write immediately for free list of positions open. Franklin Institute, Dept. J 54, Rochester, N. Y.

SALESMEN WANTED.

SALESMEN wanted everywhere; cash paid each week; outfit free; write today for particulars. Ince Nursery Company, Lawrence, Kan.

WANTED SALESMEN AND SALESwomen—Hundreds of good positions now open paying from $1,000.00 to $5,000.00 a year. No former experience required to get one of them. We will teach you to be a high grade Traveling Salesman or Saleswoman by mail in eight weeks and assist you to secure a good position where you can earn good wages while you are learning Practical Salesmanship. Write today for full particulars, and testimonials from hundreds of men and women we have recently placed in good positions, also list of good positions open. Address (nearest office) Dept. 236 A. National Salesmen's Training Association—Chicago, New York, Kansas City, San Francisco, New Orleans, Toronto.

WANTED.

E. R. BOYNTON HAY CO., Kansas City, Mo. Receivers and shippers. Try us.

PATENTS.

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

MISCELLANEOUS.

LEAF TOBACCO, to chew or smoke. 20 cents pound. True Cutler, Holt, Mo.

MISSOURI AUCTION SCHOOL, largest in world. Own largest living mule. 1404 Grand, Kansas City.

HARNESS—Our harness is correctly made and prices right. Write for catalogue. Ed Klein, Lawrence, Kan.

FENCE POSTS made from heavy White Oak timber. Ten cents each, car lots. R. R. Reynolds, Onset, Ark.

BAD DEBTS collected on commission. Bank reference. Established in this city 1889. N. S. Martin & Co., Arkansas City, Ks.

FREE TUITION to one student (either sex) each county. Mail courses bookkeeping, shorthand, typewriting. Books, etc., only expense. Southern Correspondence Institute, 9925, New Orleans.

OREGON ALMANAC FREE—144 pages. Official publication of the Oregon State Immigration Commission. Complete and authentic information on every county of Oregon, its farms, climate, and opportunities. Special questions answered with painstaking detail. Portland Commercial Club, Room 700, Portland, Ore.

YOUNG MAN, would you accept and wear a fine tailor made suit just for showing it to your friends? Or a Slip-on Raincoat Free? Could you use $5 a day for a little spare time? Perhaps we can offer you a steady job? Write at once and get beautiful samples, styles and this wonderful offer. Banner Tailoring Company, Dept. 57, Chicago.

BIG WESTERN WEEKLY 6 MONTHS 10c—Biggest and best general weekly published in the west. Interesting and instructive departments for young and old. Tells about opportunities in the west for ambitious men. Special offer, 6 months' trial subscription—26 big issues—10c. Address Weekly Capital, Department W. A. 12, Topeka, Kansas.

Farm Adviser Plan in Congress

The Lever agricultural extension bill has passed the national house of representatives and is now before the senate for consideration. Friends of the bill are urging the senate to take prompt action so state legislatures may accept its provisions and make the plan immediately available. The new measure will provide federal aid for maintaining county farm advisers. The government will furnish half the funds necessary to support an adviser in each county and the state must supply the remainder. Under the Lever plan the agricultural colleges in the several states would supervise the advisers and their work in co-operation with the U. S. department of agriculture. The idea chiefly is to encourage demonstration farming and a test of new methods among farmers.

If your potatoes came out scabby last fall better get a new supply of seed next spring.

Oklahoma a Hog State

Nanny Ettlinger, head hog buyer for one of the big packing houses, asserts that Oklahoma some day is going to be the banner hog state in the Union. Last week Mr. Ettlinger said, "A few years ago when I started to buy hogs in Kansas City, Oklahoma had nothing but razor-backs and mast hogs. We did not care for them then. In the last few years there has been a decided improvement in quality, and those who are breeding h gs have the best. Consequently Oklahoma hogs are very inviting to buyers, and I hope they will produce more, and I believe they will."

Garden soil covered with manure now will absorb the strength of the manure through the winter and the garden plants will be able to take hold of it more readily than when the manuring is done later.

Not Getting What We Should For Our Horses

(Continued from Page 3.)

standing for public service. In 1912 the purebreds represented 50.3 per cent as compared with 49.7 per cent of grades. The larger proportion of purebred to grade stallions is a very favorable sign and indicates that the grade and scrub stallions will eventually be in a hopeless minority.

While these average values represent all of the foal crop of 1912, the farmers who have been using purebred draft stallions during a series of years have been able to dispose of their grade weanlings at prices ranging from $85 to $125, or from three to four times the value of the average colt.

It requires very little more expense to produce colts of this type. As the mares are able to do more and better work, it would seem that any effort toward improvement would be justified from a purely commercial standpoint as well as from the satisfaction which results in the production of livestock of superior merit.

There were, in 1911, 1,169,000 horses in the state. If all of them had been sired by stallions which were representatives of the types most sought after upon the markets of the country, their average value would have been increased at the lowest estimate $10 per head, which would add $11,690,000 to the taxable wealth of the state.

This, then, is the first step to the successful production of market horses in Kansas, the use of purebred and registered sires capable of transmitting to their offspring their individual characteristics, presupposing, of course, that their characteristics are such as would add to their market value if sold either for pleasure or for labor instead of for breeding purposes.

Horses That Buyers Want.

There are two general classes of horses which are sought by buyers of the great central markets of this country—draft horses and pleasure horses. Other classes, such as express and wagon horses, delivery and driving horses are in sufficient supply to meet the demand of the day from attempts on the part of farmers to produce the heavy draft types and the light harness and saddle types from foundation stock of mixed breeding.

Under average farm conditions the draft horse will prove to be the most profitable. Draft horses are more easily handled, not quite so apt to become injured, can be worked at an earlier age, and the training which adds to their value is that which can be secured in the wagon, plow or harrow. The training which adds to the value of the road, speed or saddle horse requires the expenditure of time on the part of the trainer from which he receives no reward except in the enhancement of value in his charge. In training the draft horse the owner secures the value of his labor in addition to the increased selling price due to his training.

It may be added at this point that one who has the ability to properly train the lighter types of horses may frequently find them more profitable than draft horses, but as a rule this ability is not found on the average farm where the rush of other work is great.

Mistake to "Rough" the Colts.

The production of heavy draft horses requires an abundance of rich, nutritious feed at all times in order that the size which has been bred into the colts may be developed to the utmost. It is a well-known fact that all of the heavy breeds of draft horses have been produced on rich and comparatively heavy soils where they have been fed generously both winter and summer. Accordingly, it would be useless to hope for extreme size where the practice of "roughing young stuff" prevails extensively.

A reasonable amount of care in housing and fencing farms in such manner as to prevent injury is always advisable. Probably as many blemishes and unsoundnesses develop from the careless use of barbed wire as from all other causes in the state. The importance of soundness in horses cannot be overestimated. As unsoundnesses are generally due to faulty conformation, the breeder who has a proper conception of type and conformation will usually produce sound individuals. Blemishes are due to accident and may result in unsoundness which will injure the selling but not the breeding value of the individual. Hence it is important to know the origin of any unsoundness in retaining breeding animals.

Feeding the Drafter Colt.

After selecting sound animals of the most desirable market type, then the most important matter is to feed and develop the colts, especially during the first 24 months of their lives. An abundance of milk from the dam will give the colt a start which will prove an asset throughout its entire life. This can be stimulated by feeding the mares alfalfa hay, bran and other feeds rich in protein. The colt should learn to eat in a separate trough when 2 months of age and be supplied with a grain ration of corn and oats at this time. When weaned the grain ration should be increased to approximately 5 pounds daily, with further increase as the youngster gains in weight. With alfalfa as a roughage, the grain ration can be made up of 6 parts corn, 2 parts oats and 2 parts bran. The addition of a small amount of linseed meal will help keep the digestive organs in excellent condition. If prairie hay, corn, Kafir or sorghum stover is used as roughage, the proportion of corn should be reduced one-half. If oats are not available, the use of 1 part linseed meal as a substitute will be entirely satisfactory.

The Colts Second Summer.

During the second summer, grain feeding should be continued, unless the pasture is of such nature as to keep the yearlings fat. During the second winter the grain ration should amount to 8 or 10 pounds daily in addition to an abundance of good roughage. From this time forward the amount of grain should be governed entirely by the condition of the horses.

After the draft colt has reached an age of 2 years, it should be able to do a sufficient amount of light work to pay for its feed until it has reached a marketable age. If properly fed until this time, no special fitting will be necessary, but one important fact yet to be learned by horse producers is that the highest market price is paid only for those horses in highest degree of flesh at the time of sale. If not in this condition, they should be stall fed until they reach it. For finishing purposes, a grain ration of corn according to appetite, with 2 pounds of linseed or cottonseed meal per day and alfalfa hay as a roughage, will prove an excellent ration.

Pays to Fatten for Market.

It is generally estimated that each 100 pounds of weight over 1,500 pounds adds $25 to the selling value of a draft horse, providing the type and conformation are not changed. It is a general practice for feeders to purchase thin horses direct from the farms, ship them to some eastern point and fatten them for from 90 to 120 days before offering them for sale. It would be well for the Kansas farmers to put this additional weight on their horses before offering them for sale, as it can be done with as little expense here as elsewhere.

Kansas Can Lead In Horses

(Continued from Page 7.)

flesh they ought to possess to bring top prices.

Kansas needs more registered ton stallions of the best quality. If we would patronize the better class of stallions it would encourage the stallion dealers to invest in the sires that would give us more and better foals. Kansas has the feed, pasture and climate necessary to produce draft horses. It is the fat horse that is desirable in the markets just the same as in the case of cattle. Eastern farmers are better educated in this particular than we are in Kansas.

I cannot recall a time when confidence in the stability of values of good work horses was more general than it is now. With the unexcelled market and the fine future ahead of the industry in this section, have the farmers of Kansas not plenty of sound reasons for starting now to make Kansas first in horses among all states? That is the goal I would like to see them attain.

Salina, Kan.

Write Me Tonight

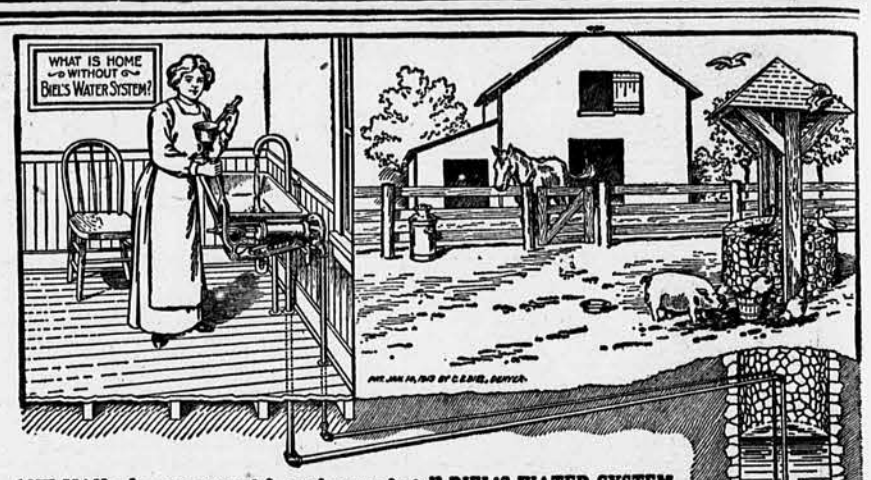
Send me your name and address *quick* for my 1913 proposition and price on a Galloway Bath-in-Oil Cream Separator. Get my catalog describing its remarkable construction—its low tank and high crank—round corners, easy to clean—close skimming device that brings you big extra profits from its service alone, and then on its purchase—

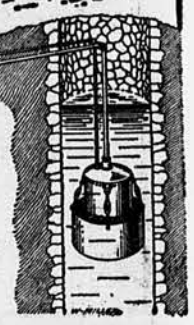
I'll Save You $21.25 to $45

Where can you find a better bargain? Don't wait—get my proposition at once. I'll give you 30 to 90 days to test the machine. Your money back if not satisfied. Isn't that fair? But first get my catalog and 1913 offer. Mail postal or letter now. Address

Wm. Galloway, Pres.,
The Wm. Galloway Co., 203DA Galloway Sta., Waterloo, Ia.

Remember—We Carry Stocks of All Our Machines at Chicago, Kansas City, Council Bluffs and Minneapolis, Insuring Prompt Shipment.

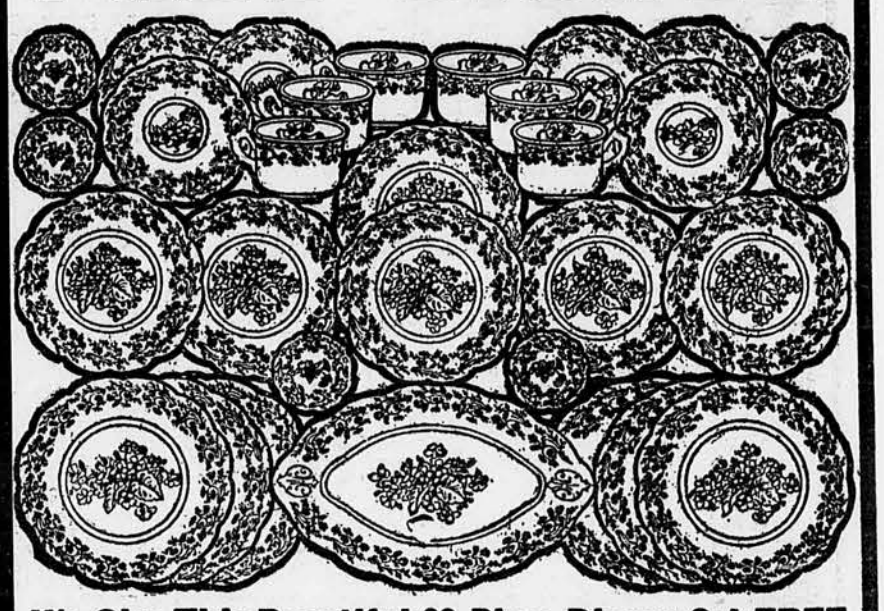




ANY MAN who can connect iron pipe can install BIEL'S WATER SYSTEM with my directions. It delivers water, FRESH and SPARKLING direct from NATURE'S RESERVOIR -- the WELL, at each stroke of pump. No engines, windmills or tanks. Saves more labor than a sewing machine, but costs no more. Practical where water lift is not over forty feet. Give depth of well to water, distance from house, and I'll send you estimate of total installing cost, and printed matter FREE. Agents wanted.

C. E. Biel, 412 Barclay Blk., Denver, Colo.

FREE DISHES



We Give This Beautiful 33-Piece Dinner Set FREE

WE HAVE SELECTED the prettiest set of dishes we could find to give to our friends. The above picture does not show all the dishes, but gives a faint idea of the beautiful Rose design and the size of each piece. As soon as you send in the coupon below we will mail you a large picture of the entire set with each piece in all the pretty colors of red, white, green and gold, showing just exactly how the set will look when you take it out of the box in your own home. In the center of each plate or dish there is a beautiful cluster of bright roses, surrounded by green foliage, all in perfectly natural colors. Around the edge of each piece there is a very heavy and artistic design in gold. The combination of gold, green, white and red, makes the most popular design yet produced in tableware. The ware itself is pure white and dainty enough to delight the most fastidious housekeeper. When you get these dishes on your table you will have something to be proud of indeed. And we don't want you to pay us a cent of your money for them. What we ask you to do is so easy you will never miss the spare time it will take, and the pleasure these beautiful dishes give will be with you for years. Don't let this opportunity escape. It is positively the most liberal dish offer you ever did or ever will see.

41 OTHER ARTICLES FREE FOR PROMPTNESS

Fill out the coupon below and we will send you prepaid a big sample needle case, containing 115 Sharp's best needles, darners and bodkins, all fitted in a handy and convenient needle case. The darners are for cotton, wool, lace, gloves, carpet, etc. Every one of these 115 needles is high grade, big eyed, extra quality steel, Dix and Rands brands, made in Austria and Germany. When you receive them show them to your friends and also show them a copy of the Weekly Star Farmer, and ask them for twenty-five cents each in connection with a special offer I will authorize you to make. When you have collected only $4.00 for us in this way the lovely dinner set will be yours. Put your name on the coupon and send it at once. We give 41 EXTRA ARTICLES for promptness—so hurry. It costs you nothing to sign the coupon—I take all the risk.

SEND THIS COUPON—NO MONEY

FREE DINNER SET COUPON [Dept. 16]

The Weekly Star Farmer, St. Louis, Mo.:
Please send me, free and postpaid, the Big Sample Needle Case of 115 best grade needles, together with Large Illustration, in colors, of the beautiful 33-piece dinner set and tell me all about the other gifts. It is understood that I am to keep the sample Needle Case, and if in addition, I take orders for sixteen of them in connection with your special offer, you are to ship me the Dinner Set and other presents, absolutely free, as a prize.

Name. . . ..

Address. . . ..

Oldenburg German Coach Horses

We are the oldest and largest breeders of the Oldenburg German Coach west of the Mississippi River. Our 1912 winnings at the leading western shows exceeded those of any other individual horse exhibitor. We have stallions and mares of serviceable ages for sale. Write us. **JOS. WEAR & SON, BARNARD, KAN**

PIONEER STOCK FARM

We have on hands at all times Percheron, Belgian, Shire and German Coach stallions and mares from weanlings to 6 years old. Imported and home bred stallions and mares weighing up to a ton or better. They are priced to sell; am selling all the time. Can show you. Come and see.
JOHN W. WADDILL & SON, (Adair County), BRASHEAR, MO.

50 — PERCHERON STALLIONS — 50

Bishop Brothers have 50 big boned stallions that weigh 1,700 to 2,100 pounds that they can and will sell for less money than any firm in the business. We have them to sell. Write us. **BISHOP BROTHERS, Box A, TOWANDA KANSAS.**

Imported Percheron Stallions, Jacks and Jennets

FOR SALE: 5 imported Percheron stallions 4 to 6 yrs. old and all tried and regular breeders. Can show colts. Weight 1800 to 2200 lbs., one Morgan stallion 7 yrs. old. Ten head large black jacks two to seven yrs. old. All broke. Good performers. Can show colts and mares in foal. 10 head big black jennets all bred to our imported jack. Prices reasonable. Our horses and jacks were shown at the Hutchinson State Fair this year in six different classes and won in every class. Write or come to farm 4 miles from Raymond or Chase.
J. P. & M. H. MALONE, CHASE, KANSAS

Bergner & Sons' Coach Horses

65 Head German Coach Horses, with Size, Beauty and Action

A general purpose horse that fits the farmer's need. Write for further particulars. We are offering stallions at prices you will be able to pay for with proceeds of one season's stand. Also mares either single or in matched teams. Write or call soon.
J. C. BERGNER & SONS, "Waldock Ranche," Pratt, Kan.

Imported Stallions: Percheron, Shire, Belgian

Each year we show our New Importation the same Month they land. Each year they win more than all other Exhibitors combined. At the American Royal this year, we won 2nd on 4-year-old Percheron, 1st, 3rd and 4th on 3-year-old, 1st and 3rd on 2-year-old, and 1st and Champion Group of Five Stallions. Our Horses are Handsome and the best to buy; Our Guarantee and Insurance the very best.
PERCHERON IMPORTING CO., Chas. R. Kirk, South St. Joseph, Mo.

ROBISON'S Percherons

One hundred and fifty Registered Percherons —Stallions, Mares and Colts. Fifty imported. All for sale.

J. C. Robison, Towanda, Kan.

Mammoth Jacks, Percheron Stallions

33 Head of Jacks and Percherons

The Jacks are 3 to 6 years old and from 15 to 16 hands high.

Percherons are from 2 to 6 years old and weigh from 1800 to 2000 lbs.

We have the kind that will please you.

Write for prices before you buy. Farm and sale barn on 21st Street, 1 mile east of Wichita Union Stock Yards. Write today.
J. C. KERR, Wichita, Kansas

Public Auction

100 Horses and Mules

At farm, three miles north and three miles east of Admire, 10 miles southwest of Harveyville, three north and nine west of Osage City, Kan., Tuesday, January 14.

EIGHTEEN MARES in foal to jack or horse. EIGHTEEN GELDINGS, 2 to 6 years old, except four (4). These mares and horses are all draft bred. Eight head of broken mules, six coming 3 years old and six coming 2 years. Forty-four suckling mule colts sired by good jacks and out of mares that weigh from 1,200 to 1,500 pounds.

Date of Sale January 14. Write for Bills.

P. S.—Have sold farm and am leaving the state.

R. B. POLLOCK, Admire, Ks.

Auctioneers—J. W. Busenbark, J. S. Lane.

LAMER'S Percheron Stallions and Mares

75 Head

of Imported and Home-Grown Percheron Stallions and Mares, at "let live" prices.

Two-year-olds that weigh a ton.

C. W. LAMER & CO.
Salina, Kansas

The West's Largest Importing and Breeding Establishment. Importers and Breeders of

Percherons, Belgians and Shire Stallions and Mares

120 Head to Select from

Our Stallions and mares are strong and massive, with great quality, style and conformation, with splendid color and dispositions. They are selected with an eye single to the wants of the most critical American buyers, and we can sell them for less money than any one in the business, quality considered. The stallions will go into any community and command the best mares, command the men who are the best pay and who take the best care of their stock. Let us know your wants. We can suit you in both price and quality.

L. R. WILEY, Emporia, Kan.

PERCHERON AND ROYAL BELGIAN Stallions and Mares

Our recent importations are now for sale. You will like the type because they have the QUALITY, BONE and WEIGHT AND are PRICED RIGHT. Come or write,

Wolf Brothers,
Box B, Albion, Nebraska

They Are So Different!

All Imported, both PERCHERONS and BELGIANS. Last importation arrived Sept. 1st. The selects of both countries. I buy my own horses. All sound, big, flat boned. Ages, two and three years. Prices reasonable. Perfect guarantee goes with each horse and for two years at that.
W. H. RICHARDS, V. S., (Stables in the City) **Emporia, Kansas**

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1248 So. Wichita street, Wichita, Kans.
J. W. Johnson, 820 Lincoln St., Topeka, Kan., N. W. Kansas and S. Nebraska.
C. H. Walker, N. E. Kansas, N. Missouri, 3632 Flora Ave., Kansas City, Mo.
Geo. W. Berry, N. Nebraska and W. Iowa, Capper Bldg., Topeka, Kans.
H. W. Graham, E. Iowa and Illinois, Chillicothe, Mo.
E. R. Dorsey, S. E. Kansas and S. Missouri, Girard, Kans.

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.

Combination Sale.

Feb. 12-13-14—L. E. Wooderson, Mgr., Caldwell, Kan.

Percheron Horses.

Jan. 15—J. W. Barnhart, Butler, Mo.
Jan. 23—H. E. Fisher, Danville, Kan.
Feb. 20.—The Knuckles Co., (Nebr.) Horse Breeders' assn., Percy Baird, Sec., at Lincoln.
Mar. 5—J. C. Robison, Towanda, Kan., and Willard R. Brown, Minneapolis, Kan., at K. C., Mo., Stock Yards.

Jacks and Jennets.

Feb. 4—Platte Co. Jack Sale Co., J. B. Dillingham Mgr., Platte City, Mo.
Feb. 25—Hutchins & Hineman, Sterling, Kan.
Feb. 6—Limerick & Bradford, Columbia, Mo.

Poland China Hogs.

Jan. 17—S. A. Roberts, Knoxville, Ia.
Jan. 21—Peter Ellerbroek Est., Sheldon, Ia.
Jan. 22—E. Gritters, Hull, Ia.
Jan. 22—G. L. Hawley, Horton, Mo.
Jan. 25—Phil Dawson, at St. Joe, Mo.
Jan. 30—C. W. Jones, Solomon, Kan.
Jan. 30—B. T. Wray, A. O. Stanley, V. O. Hunt in combination sale at Sheridan, Mo.
Feb. 5—J. L. Griffiths, Riley, Kan.
Feb. 5—Williams Bros., Villisca, Iowa.
Feb. 6—H. Fesenmeyer, Clarinda, Ia.
Feb. 7—Olivier & Sons, Danville, Kan.
Feb. 7—J. O. James, Braddyville, Ia.
Feb. 12.—T. J. Meisner, Sabetha, Kan.
Feb. 14.—H. B. Walter, Effingham, Kan.
Feb. 14—C. M. Prater, Oxford, Kan.
Feb. 15—Thos. F. Walker & Son, Alexandria, Neb.
Feb. 18—J. H. Harter, Westmoreland, Kan.
Feb. 21—R. W. Halford, Manning, Ia.
Feb. 22—C. L. Branic, Hiawatha, Kan.
Feb. 22—C. C. Ingram, Bloomington, Neb.
Feb. 25—Deming Ranch, Oswego, Kan.
Feb. 26—J. W. Pfander & Sons, Clarinda, Ia.
Feb. 26—L. R. McClarnon, Braddyville, Ia.
Mar. 7—I. E. Knox, South Haven, Kan.

Duroc-Jersey Hogs.

Jan. 8—Munsell & Isenberg, Herington, Kan.
Jan. 22—H. E. Fisher, Danville, Kan.
Jan. 16—H. B. Miner, Guide Rock, Nebr.
Jan. 16—F. C. Crocker, Filley, Neb.
Jan. 22—Thompson Bros., Garrison, Kan.
Jan. 24—John Higgins, Abilene, Kan.
Jan. 29—W. E. Monasmith, Formoso, Kan.
Jan. 30—Leon Carter, Asherville, Kan.
Jan. 31—W. H. Seddon, Persia, Ia.
Feb. 1—Geo. P. Philippi, Lebanon, Kan., at Esbon, Kan.
Feb. 3—R. J. Harding, Macedonia, Ia.
Feb. 4—J. O. Hunt, Marysville, Kan.
Feb. 5—Mosier & Fitzwater, Goff, Kan.
Feb. 5—Samuelson Bros., Cleburne, Kan.
Feb. 6—Samuelson Bros., Blaine, Kan.
Feb. 7—Agricultural College, Manhattan, Kan.
Feb. 7—A. T. Cross, Guide Rock, Neb.
Feb. 8—Geo. E. Garrett, Bloomington, Neb.
Feb. 11—H. H. Shaw, Hebron, Neb.
Feb. 19—E. M. Myers, Burr Oak, Kan.
Feb. 19—Geo. W. Schwab, Clay Center, Nebr.
Feb. 20—Rinehart & Son, Smith Center, Kan.
Feb. 20—Chas. Stith, Eureka, Kan.
Feb. 21—W. C. Whitney, Agra, Kan.

Berkshire Hogs.

Feb. 7—Agricultural College, Manhattan, Kan.

O. I. C. Swine.

Feb. 6—H. L. Bode, Friend, Neb.
Feb. 7—Chas. H. Murray, Friend, Neb.

Hampshire Hogs.

Jan. 23—T. W. Lavelock, Princeton, Kan.

Holsteins.

Feb. 4—Rock Brook Farm, Omaha, Neb.

Herefords.

Jan. 13—Ben Anderson, Knox City, Mo.
Feb. 26—Warren T. McCray, Kentland, Ind.

Shorthorns

Feb. 6—C. G. Cochran & Sons, Plainville, Kan., at Lamer's sale barn, Salina, Kan.

Kansas and Nebraska.

BY J. W. JOHNSON.

Higgins's January Sale.

One of the best offerings of Duroc-Jersey bred sows to be made in Kansas this season is the one John Higgins of Abilene, Kan., is making at that place Jan. 24. The sale will be held in the pavilion at the Fair grounds. The breeding to be found in this offering is new and up-to-date coming from leading Iowa and eastern herds. The writer had the pleasure of inspecting this offering a few days ago and it will prove to be everything we say it will. It is one of the best that will be made in the west this winter. The catalogues will be out soon and you can have one by asking Mr. Higgins. Abilene is easily reached with several railroads and you better figure on attending this sale. Remember the date and ask John Higgins for his catalog tonight.

See the Sale Ad.

In this issue appears the advertisement of Munsell & Isenburg's sale of registered Duroc-Jersey bred sows at Quivera Place which is the name of their farm and herd which joins Herington. 40 sows go in the sale and a full description of the offering appears in their advertisement in this issue. Look it up and arrange to attend. If you can't come send your bids to J. W. Johnson of Farmers Mail and Breeze who will be in attendance and be pleased to handle any bids intrusted to his care. Herington is in south half of Dickinson county on the Rock Island. Their sale will be held at the farm and autos will take breeders to and from the sale.

Walker's Good Poland Chinas.

Thos. F. Walker & Son, Alexandria, Neb., will sell 50 Poland China bred sows and gilts at Fairbury, Nebr., February 15. Three tried sows, 22 fall gilts and 30 spring gilts make up the offering with three fall boars (real herd headers) that will prove real attractions. The Walkers are well and favorably known over Kansas where much of their breeding is to be found. They hold annual sales both fall and winter and always make their sales in Fairbury in Smith's sale pavilion because of the good railroad facilities from Kansas and their own state. If you are going to buy a few choice sows find out more about this sale before you start out. There is nothing better anywhere. Much of their offering in former sales has gone to Iowa and to leading breeders all over the country. Why not buy some of this kind to strengthen your herd. Ask them any time to book you for their catalog and you will get it as soon as it is off the press which will be about February 1.

Polands and Rhode Island Reds.

L. E. Klein, Zeandale, Kan., is offering for sale Poland China fall and summer pigs sired by his Iowa boar, Chief Price, which is one of the real herd boars of that section. Everything is strictly big type and his herd of sows is one of the best to be found in central Kansas. His sows and everything on the farm are immune except the fall pigs. If you are going to need a herd boar next season you can make good money by buying him now from Mr. Klein, who wants to make room for his coming harvest of spring pigs. He will price you a boar at a very low price in order to move him. Buy your herd boar now and save money. Mr. and Mrs. Klein also breed Rhode Island Reds and have some choice cockerels for sale and will have eggs in season for sale. Prices right. Write at once and ask for prices on a good boar pig, that will be a herd boar before you know it. Also on the cockerels and eggs.

Try C. O. Anderson.

C. O. Anderson, Manhattan, Kan., the well known Duroc-Jersey breeder, has had a good trade on boars this season and has only one left and that is a May pig, but a good one. He has had many requests for boars that he could not fill. Like other breeders his crop of spring pigs was short owing to the cold stormy weather last spring. He has a couple of litters farrowed in August that are real choice. They have the blood behind them that should prove attractive. Kant Be Beat, Colonel and Baxter's Model. Most of them are by Red Boy 117371, he by Tatarrax, the Kansas and Oklahoma champion boar. The sows in Mr. Anderson's herd are of the best of breeding and many of them out of the grand old Baxter's Model. In fact it is a herd that has been carefully built up until it is as valuable as any of its size in the west. Mr. Anderson does not hold sales but sells everything at private sale and carries his advertisement in Farmers Mail and Breeze the year round and has done so without missing an issue for five years. His prices are reasonable and his Durocs of the best. He makes good every promise and those who have tried it like to do business with him. Give him a trial order for something good and be convinced that he is a good man to deal with.

Arthur Patterson's Durocs.

In this issue Arthur A. Patterson, Ellsworth, Kan., is offering 15 choice Duroc-Jersey sows and gilts for sale bred to a splendid son of King the Col. They are bred to this boar for March and April farrow and are being cared for just as he is caring for his herd sows that he is keeping for his own use. He has not enough for a sale and is offering the sows and gilts less sale expenses and they are real bargains at the prices he is making on them. He desires to reduce his herd somewhat and is offering 15 good ones such as he is keeping for his own use. The others find a ready market at Kansas City. Mr. Patterson is a careful and painstaking breeder and can be depended on not to offer for sale for breeding purposes anything that is not first class in every particular. His herd is not one of the largest in point of numbers but is one of the good young herds of the state. He has bought at leading sales and this fall bought a splendid boar from John Higgins of Abilene, Kan. This boar Mr. Patterson pronounces one of the good ones. He is greatly pleased with him. Write Mr. Patterson for prices on bred sows and gilts guaranteed to be everything they are said to be or your money firm.

Model H.—Sunkist Chief.

In this issue will be found the advertisement of H. B. Miner's annual bred sow sale. This offering might well be called an "all star" offering as nothing but choice individuals are going in it. Only 35 head will be sold. Twenty-five of the offering are fall gilts that Mr. Miner has succeeded in growing out in fine shape. They were sired by old Model H. and are bred to Sunkist Chief, the winner of fourth place in the under 6 months class at the big Iowa State Fair this season. Sunkist Chief has back of him a long line of prize winning ancestors and crossed on these Model H. fall gilts is sure to prove a valuable sire. Old Model H. was formerly in the herd of Ward Bros., at Republic, Kan., and was always considered one of the leading sires of that good herd. He was sired by Higgins's Model, that was at the head of George Briggs & Sons' herd for a number of years and a noted sire. The 10 tried sows that complete Mr. Miner's offering are all choice sows and are put in the sale for exactly this reason. They are sure to prove attractions and will prove good investments for their buyers. Mr. Miner's boar and gilt sale in November was the best sale that we know anything about that was held in Nebraska or Kansas this fall. It was largely Model H. boars, brothers to the 25 gilts that make up the large part of this offering. If you are going to buy a few choice sows this winter you better ask Mr. Miner for his catalog and arrange to attend this sale. Bids may be sent to the Farmers Mail and Breeze representative with full confidence that they will be handled carefully and honestly. Ask for the catalog today. Mention this paper when doing so.

Can Buy on Approval.

F. C. Crocker, Filley, Neb., is making a draft sale from his big Duroc-Jersey herd Thursday, January 16. The sale will be held in Beatrice for the convenience of breeders who can attend more easily because of better railroad facilities. Besides he can hold the sale in a comfortable sale pavilion in Beatrice and can entertain his breeder friends at a good comfortable hotel. Mr. Crocker is one of the largest breeders of registered Duroc-Jersey hogs in the West, and his present offering is the tops of over 100 spring gilts. The offering is entirely of spring gilts and a select lot they are. In Mr. Crocker's herd there are 25 herd sows, sired by Top Notcher Again, that it would be hard to duplicate. Fully 50 per cent of the offering is out of these great sows. La Follette's Last is a herd boar that was a good winner at the Iowa State Fair last season and was purchased by Mr. Crocker especially to cross on these sows. Ten other sows that are in the herd and that contributed to the offering were sired by Hogate's Model, first and grand champion at the Nebraska State Fair in 1906. Sixty per cent of the offering is bred to La Follette's Last and Vanquisher. Vanquisher was a Nebraska State Fair winner two or three years ago and is a valuable sire. The balance of the offering is bred to the other noted herd boars in this big herd. The offering is toppy and select and will be presented in the best of breeding condition. Mr. Crocker has sold in Kansas to some of the most prominent breeders and has given perfect satisfaction in all his dealings. He ships on approval where requested to do so and has been very fortunate in pleasing his customers. He will

JACKS AND JENNETS.

Jacks and Jennets

One of the largest selections of large Black Mammoth Jacks in the West. 15 to 16 hands standard. I have the large kind that all are looking for; the kind that bring the large high-class mule. Reference: the five banks of Lawrence.

AL. E. SMITH, LAWRENCE, KANSAS.

Mammoth Jacks and Jennets For Sale

From 2 to 5 years—big boned, black Jacks with white points. No better bred ones in the country. Several of them are prize winners. Been breeding Jacks for 30 years. Mention this paper and write or come to DEIERLING & OTTO, Schuyler County, QUEEN CITY, MO. On Des Moines Line Wabash Railroad.

JACKS AND JENNETS.

BEST MAMMOTH JACKS IN KENTUCKY. We have forty-five of the best, big bone, Mammoth jacks in Kentucky. Visit the Cloverdale Farm and save two or three large profits. Write for circular and testimonials. **H. T. BROWN & CO., Box B, Lexington, Ky.**

PUREBRED HORSES.

STANDARD bred, Morris Levy-Dulaney Wilkes horses, mares, colts. Sale Jan. 7th. Registered, marked individuality, speed. Carefully bred by D. Ross, expert. Registered 7-year French Draft, black stallion, sure foal getter. Cash or note. **ARLEY RIGGS, Adm'r, Independence, Kansas. Stop 16, Interurban.**

The Best Imported Horses One thousand each. Home-bred registered draft stallions—$250 to $650 at my stable doors. **A. LATIMER WILSON, CRESTON, IOWA.**

Percheron and Belgian Stallions and Mares. Imported and home bred. Easy terms. **HART BROS., OSCEOLA, IOWA**

200 Percherons Stallions and Mares For Sale. **Singmaster & Son, Keota, Iowa**

Truman's Pioneer Stud Farm
America's Largest Importers
Shire, Percheron and Belgian Horses
Write for Illustrated Catalogue.
TRUMAN'S, Box E, BUSHNELL, ILLINOIS

STALLIONS and JACKS

Percherons and Belgians, also Mammoth Jacks and Jennets. State Fair winners and all at prices that will move them. Write today describing your wants.

C. F. COOPER
R. 4, Box 4, Hutchinson, Kan.

PERCHERONS
BELGIANS
SHIRES

ONE OF THE OLDEST AND LARGEST IMPORTERS IN AMERICA

Our horses are big, smooth flat-boned fellows, with great quality style and conformation. Will please the most critical. Prices reasonable. Satisfaction guaranteed. Letters from hundreds of satisfied customers and big illustrated catalog mailed free.

Watson, Woods Bros. & Kelly Co.
BOX 1 LINCOLN, NEB.

Jacks, Jennets and Percherons

Correct breeding is a science, and is of as much importance to the farming community as scientific farming. Oakland Stock Farm has followed a great ine of breeding jacks of Missouri type. Scientific breeding produced the great two-year-old now on the farm, and at the same time produced, by the infusion of Starlight blood, a "white-faced" jack with all black points. It took four generations to do it, with the ultimate desire of producing "white-faced" mules. This is but one line of forty breeding jennets. The same line is followed in breeding, size, bone, conformation and, the greatest of all, constitution in jacks. Size, without constitution amounts to but little. This farm is strictly a breeding farm and all stuff on the place has been bred and raised there, and no animal is purchased, except for a cross with a new strain of blood. No agents or brokers sell any of the product of this farm. The buyer sees the dam and the sire of the animal. THIRTY HEAD OF SALABLE JACKS, all ages, under four years old, will be priced to the buyer direct without the middleman. We will have something to say about our Percherons later.

Oakland Stock Farm, Scott J. Miller, Prop., Chillicothe, Mo.

W. H. Bayless-Dero & Co.
Blue Mound, Kansas

Importers of Belgian and Percheron Stallions and Mares of all ages
and Prize Winners in both Europe and America
We Have Fifty Head
The last importation arrived December 28, 1912

The fifty head is as good as can be found on either side of the water. We have a buying partner in Europe who has a large breeding farm and many of our best horses are bred on this farm. He also buys in the dull season, and buys everything young and sound. We can sell a better horse for less money than those not favored with this advantage, as we are the only ones who are connected with a breeding farm in Europe. Any one wanting either Stallion or Mare will find it to their advantage to visit our stables. We price them to sell, not to invoice. A good guarantee goes with every sale. Reference, any Bank in Linn County.

W. H. Bayless-Dero & Co., Blue Valley Stock Farm, Blue Mound, Linn Co., Kan.
(Two Railroads, eight trains per day.)

ship to responsible Kansas breeders who send bids to this sale on approval. Send bids to J. W. Johnson in his care, Paddock Hotel, Beatrice, Neb.

Kansas and Oklahoma.

BY A. B. HUNTER.

Kerr's Jacks and Percherons.

J. C. Kerr, Wichita, Kansas, is offering Mammoth Jacks and Percheron stallions at a price that it will be to your interest to visit his barns before buying. He can show you more size and quality for the money than he has ever offered before. Don't wait but write, phone or wire at his expense when you will be at Wichita to look them over. They are priced to sell quickly. See display ad this issue. Please mention Farmers Mail and Breeze.

LIVESTOCK AUCTIONEERS.

Wm. H. Harper, LIVESTOCK Auctioneer. GLASCO, KANSAS. Phone for Dates.

Col. D. F. Perkins, Concordia, Kan. Up-to-date methods in the Auction business. Purebred stock sales and big sales generally. Write for dates.

JOHN D. SNYDER HUTCHINSON, KAN. Auctioneer. Pedigreed Live Stock a Specialty.

J. H. JONES, 600 Kan. Ave., Topeka **LIVE STOCK** and farm sales solicited. 16 years experience.

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L. R. BRADY LIVESTOCK AUCTIONEER Manhattan, Kan. Write or wire for dates.

COL. S. B. YOUNG, Osborne, Kan. Livestock Auctioneer. Write for dates.

T. E. GORDON, WATERVILLE, KANS. Livestock and Real Estate Auctioneer. WRITE FOR DATES.

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

COL. HOMER BOLES, Randolph, Kan. Livestock and General Auctioneer.

C. C. DENNEY GUIDE ROCK, Nebr. Livestock Auctioneer. Pure bred stock sales and big farm sales. Write or phone.

R. H. DENGATE, Lucas, Kan. LIVESTOCK AUCTIONEER. DATES CLAIMED ARE PROTECTED.

N. S. HOYT, Mankato, Kan. Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

Will Myers, Livestock Auctioneer Beloit, Kansas. Write or phone for dates. I am located right to give good service.

Col. J. R. LOYD, ATHOL, KANSAS. LIVESTOCK AUCTIONEER. Write for terms and dates, and reference.

Col. N. B. PRICE, Mankato, Kans. LIVESTOCK Auctioneer. Phone or write for dates. Bonney K. heads my Duroc-Jersey herd

COL. FRANK REGAN, ESBON, KANSAS. Livestock Auctioneer. Write for open dates.

G. A. DRYBREAD Elk City, Kans. Live stock and farm sales made anywhere. Give me a trial. Satisfaction guaranteed.

FRANK J. ZAUN FINE STOCK AUCTIONEER INDEPENDENCE, MO. Bell Phone, 675 Ind. "GET ZAUN, HE KNOWS HOW!"

R. L. HARRIMAN Live Stock Auctioneer BUNCETON, MISSOURI

Col. Oscar H. Boatman Irving, Kansas Livestock Auctioneer Graduate American Auction School Write for Dates

POLLED DURHAMS.

Polled Durham Bulls Six well bred young bulls and a limited number of cows and heifers for sale. C. M. HOWARD, HAMMOND, KANSAS.

Woods Polled Durhams Roan Hero Bulls and Heifers for Sale. Three bulls from 12 to 22 months old, a Mina, a Brawith Bud and a Necklace, two roans and a white of top quality and ready for service. Also a few choice yearling and two-year-old heifers. These will be priced right for quick sale. Come and see or write C. J. WOODS, CHILES, KANSAS.

Kansas, Missouri and Iowa.

BY C. H. WALKER.

Combination Poland China Sale.

B. T. Wray of Hopkins, Mo., A. O. Stanley of Sheridan., and V. O. Hunt of Ravenswood, Mo., wil hold a combination sale of big type Poland China bred sows at Sheridan, Mo., on January 30. These three breeders are among the leaders in big type Poland Chinas in the west and an offering from these three well known herds should be one of the very best of the season. All three breeders have reputations for selling and producing the very best. Watch these columns for further mention.

Good Herefords at Auction.

One of the good lots of Hereford cattle to be sold at public auction this season will be the 27 head of bulls, cows and heifers which Ben Anderson will sell at his farm near Knox City, Mo., on Monday, January 13. The sale of his farm necessitating a move is the reason for this sale. Mr. Anderson is putting up for public appraisal several of his best breeding cows and heifers and they are bred to his good herd bulls, Polled Echo 313327, one of the best Polled bulls in service today. A number are also bred to his good two-year-old polled bull, Advance 355537, that has been siring a toppy lot of calves. This bull will be sold and he should go to some breeder who needs a bull of high quality. The younger bulls, seven in number offer selections that will suit the most critical. The offering as a whole is of good value and offers at this time exceptional opportunities for good investments. No branch of the livestock breeding business is going better at this time and the future is very bright for those who lay in a few good Hereford cows. Write Mr. Anderson for his catalogue and arrange to attend this sale. Col. Fred Reppert will conduct the sale and mail orders may be sent to him or to C. H. Walker of this paper in Mr. Anderson's care. Kindly mention this paper when writing for catalogue.

Deierling & Otto's Jacks.

One of the most prominent jack and jennet breeding establishments in the great old state of Missouri—prominent because of the thirty years they have been in the business and because they produce the high quality that would naturally be expected from a firm of so long standing, is none other than Deierling & Otto of Queen City, Schuyler county, Mo. Wm. Deierling and the Otto brothers have a reputation in the jack business that is second to none. They have the reputation of knowing a good jack or jennet, the reputation of producing that kind and the reputation for selling that kind. Their record in the leading show rings of the country is sufficient evidence that they have the goods. In the recent show at the Missouri State Fair, said to be the best jack show since the world's fair at St. Louis, the exhibits made by this firm won more than their share of the ribbons and aroused favorable comment from all the experts who saw them. It has been their aim each year to breed a better, bigger jack than the one produced the year before. The jacks and jennets they have in their barns this year are undoubtedly the best lot they ever offered. Bigger in size, better in quality, clean throughout, they can offer the trade the best values they have ever been able to in the years they have been in the business. They have a great bunch of three-year-olds, an exceptionally strong lot of two-year-olds and their yearling and younger jacks are the best that can be found. This kind of goods, backed up by square deal. methods have won a place for this firm in the first rank. Buyers are safe in making their purchases from this firm. Write them per their advertisement in this issue and get full and complete description of the stock they have to offer. A visit to their barns will be a revelation and a trip well worth the time and money spent. Kindly mention this paper when writing them.

Kansas and Missouri

GEO. W. BERRY.

Hampshire Hog Sale.

Attention is directed to the announcement of T. W. Lavelock of Princeton, Kansas, who will hold his second annual bred sow sale in the fine stock pavilion at Ottawa, Kansas, on January 23rd. Mr. Lavelock is one of the oldest and most successful breeders of the belted hog in the west. His first public sale which was held in March of last year was one of the good hog sales of that season, and demonstrated the fast growing popularity of Hampshires among farmers. The sows which will be offered on this occasion are by such noted sires as Prairie King rated as one of the greatest boars of the breed, Widow's Model a sire of merit, and other good sires. A feature of the offering will be the large number of sows that are bred to the herd boar Kansas Model 11583, one of the best specimens of the breed we have ever seen. Kansas Model possesses remarkable scale for his age and for quality, smoothness and extra finish has never been criticised. He is a boar that with proper fitting wil win the highest honors in any show of swine. The offering which will be made at Ottawa on this occasion is unusually large and attractive and indications point to one of the important hog sales of the year. The catalogue will be mailed upon application to T. W. Lavelock, Princeton, Kansas.

Truman's Pioneer Stud.

Under date of December 24, Mr. J. G. Truman, manager of Truman's Pioneer Stud Farm, Bushnell, Ill., writes: "We have sold our International (Olympia) champion Percheron stallion Intitule to Samuel Insull, Esq., president of the Commonwealth Edison Company, to place at the head of his stud of Percherons at Hawthorne Farm, Libertyville, Ill. Intitule was placed second in the aged class at the last International and was considered by good judges one of the grandest specimens of the breed ever imported to this country. The price paid for this horse was $10,000. We also sold our grand champion Percheron mare at the International to Thomas G. Plant, Esq., of New York. We have also sold to A. O. Crooks of O'Brien county, Iowa, an outstanding 2-year-old Shire stallion. winner of first prize at the Bushnell horse show. We feel greatly interested in this sale for the reason that this is the third Shire horse that we have sold Mr. Crooks without his seeing either one of them and in each instance he has been highly pleased. Those enterprising breeders, Messrs. Schwake

SHORTHORNS.

SHORTHORN CATTLE POLAND CHINA SWINE and CLEVELAND BAY HORSES All stock pedigreed. Prices reasonble. Thos. B. Murphy & Sons, Corbin, Kas.

SHORTHORNS 8 bulls from 12 to 18 months. Roans and reds. Scotch Tops. Address, L. M. NOFFSINGER, OSBORNE, KAN.

Scotch and Scotch Tops A pure Scotch two-year-old bull and young bulls, Scotch and Scotch topped, of serviceable ages. Also a few good cows and heifers. S. B. AMCOATS, CLAY CENTER, KANSAS.

SHORTHORNS.

Pearl Herd of Shorthorns I have a select bunch of young bulls from six to 20 months old, well bred, well grown and the making of good useful animals. They are both reds and roans. Can ship via C. R. I. & P., A. T. & S. F., U. P., and Mo. Pac. Address C. W. TAYLOR ABILENE : : KANSAS

Herd Established Over 25 Years **Evergreen Crest Galloways** Twenty cows and heifers for sale, either registered or high grades. All two years old and over are bred to Flagstaff 29295 and Sally's Othello 33696. Anyone desiring a herd of breeding cows should inspect this offering. Also two yearling bulls for sale. J. & W. R. CLELLAND, NEW HAMPTON, MISSOURI.

Holstein Cows and Heifers at Bargain Prices! On account of shortage of ensilage crop in N. Y. state I am shipping west 300 head of high-grade Holstein heifers and cows, 2 to 5 years of age. These are arriving in lots of 50 every week and I will make attractive price to men that can handle a carload. All tuberculin tested and bred to registered bulls. Also a few registered bulls ready for service. ROCK BROOK FARM, STA. B, OMAHA, NEB.

Anderson's Herefords At Auction!

Twenty-Seven Head of High Quality, Registered Hereford Cattle in Sale at Maple Ridge Stock Farm, Near

Knox City, Mo., Monday, Jan. 13

Seven high-class bulls and 20 cows and heifers. The bulls include my 2-year-old Polled bull, ADVANCE 355537, a top individual and a proven sire. The females are bred to Advance and my great Polled Echo 313327. This offering is rich in breeding, are of high individual merit and are the regular producing, make-good cattle. No line of breeding offers better or bigger opportunities now than the Herefords. Get my Catalogue. Address

BEN ANDERSON, Knox City, Mo.

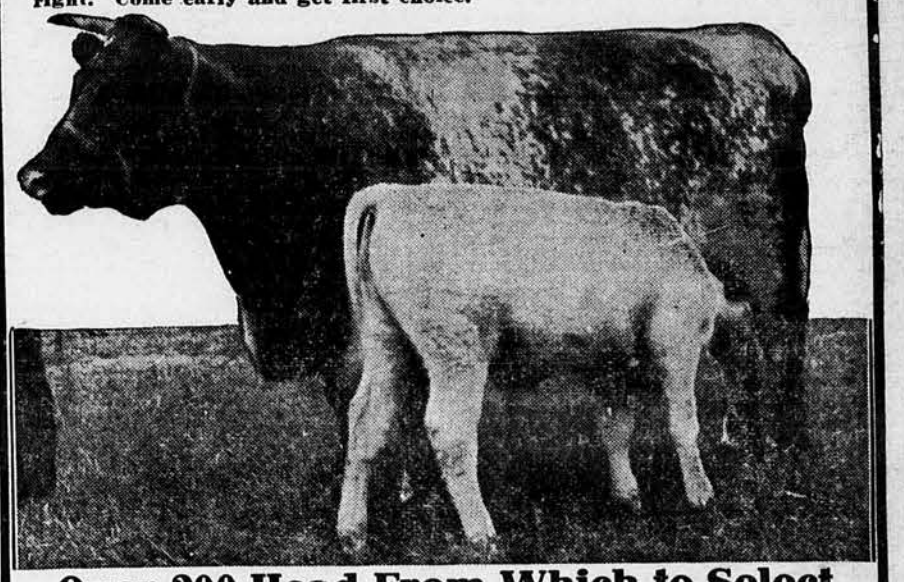
COL. FRED REPPERT, Auctioneer.

Lookabaugh's Shorthorns

Sold on Time at Private Treaty

Six or nine months if desired. What we want is your trial order. We don't need the money. We want you to come and buy. We want regular customers and shall try hard to please you.

Young Heifers and Bulls at $50, $75 and $100 each. Two Heifers and a Bull, not related, $200 for the three. Herd Header Material is Scarce. We have a few. They are priced right. Come early and get first choice.



Over 200 Head From Which to Select

A great variety of prize winners and prize winning blood. Breeding stock of both sexes and all ages. If you want breeding stock don't miss this opportunity. As many good Shorthorns cannot be seen on any other farm in the whole Southwest.

Cows with Calf at Foot and Re-bred.
Richly Bred Young Things, Show Prospects.
Handsome Young Bulls, Herd Header Material.
Rugged Young Bulls, the Farmer and Stockman Kind.

In fact a splendid array of foundation Shorthorns, that carry the blood of the best families and the most noted sires of the breed. Don't wait, but come and get your first pick. Visitors always welcome at Pleasant Valley Stock Farm. Write your wants today. Address

H. C. Lookabaugh, Watonga, Okla.

DAIRY CATTLE.

HOLSTEINS FOR SALE—30 head of registered heifers and males, also 73 head of fine bred heifers and young cows, $58.50 and up. Come and see them. M. P. KNUDSEN, CONCORDIA, KANSAS.

Holstein Bulls Registered, good individuals. Ready for light service. E. H. H. EMERY, WETMORE, KANSAS.

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

LINSCOTT JERSEYS
Only registered herd of merit in Kansas. A grand son of Golden Fern's Lad—bred for butter—and 20 cows and heifers for sale at moderate prices.
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.
BEN SCHNEIDER, NORTONVILLE, KAN.

HOLSTEINS —CHOICE BULL CALVES
H. B. COWLES, TOPEKA, KANSAS.

HOLSTEINS FOR SALE
Bred yearling heifers; 2-year-olds, fresh this winter; a few young cows, milkers and springers; also bulls, high-grade and registered, up to 18 months of age.
IRA ROMIG, Sta. B., TOPEKA, KANSAS.

Holstein-Friesian Bulls
For sale—choice young bulls, sired by Pierterje Hengerveld Nannette, first prize bull 3 state fairs, 1911, from producing cows. Exceptionally fine markings. W. C. Jones, Rural 2, Topeka, Kan.

Holsteins!
I will sell the following high grade Holsteins, many of them practically full bloods, and in good condition: 50 yearling heifers and 50 1½-year-old heifers just being bred to a son of a 24 lb. dam; 100 2 to 2½-year-old heifers and 100 2½ to 3-year-old heifers bred to a high class registered bull, to freshen from Dec. 1st, 1912, to March 1st, 1913. 100 matured cows, very heavy producers, springing up ready to freshen soon, most of them in calf from registered bulls. A number of high colored registered bulls, ranging in age from 6 months up, out of heavy producing dams, and selected especially to head choice herds. Can fill any order from one animal up. Have a small surplus of excellent registered cows and heifers I will dispose of. Also have 100 head of high grade Guernsey cows and heifers from yearlings up. Write me regarding your wants.
JAMES DORSEY, Gilberts, Illinois

RED POLLED CATTLE.

Foster's Red Polls
Write for prices on breeding stock.
C. E. FOSTER, R. R. 4, Eldorado, Kansas.

RED POLLED BULLS
and heifers by Actor 7781 and Launfal 13221. Cows large, plenty quality, represent best milking families. Also large type POLAND CHINAS. Pigs. Write or come.
CHAS. MORRISON & SON, Phillipsburg, Kan.

ABERDEEN-ANGUS.

Angus Bulls For Sale
sired by Rutger Heatherson 3d 118104, Presto 2d 133774 and Professor Kurtz 135693. Ready for service including two choice Blackbirds. Priced right. Satisfaction guaranteed.
W. G. DENTON, DENTON, KANSAS.

ANGUS CATTLE
Bulls and females for sale; singly or in carload lots. Address SUTTON & PORTEOUS Lawrence, Kan.

HEREFORDS.

BLUE GRASS STOCK FARM **Herefords**
Cows, Heifers and young bulls for sale. 160 head in herd. Breeding matrons by Militant, Lamplighter, Shadeland Dean 22d, Gentry Briton 6th, Hesiod 2d and Wilton Almo 6th. Visitors Welcome.
W. T. WRIGHT, Route 8, Mt. Pleasant, Iowa.

Klaus Bros.' Herefords!
We offer 16 head of strong, rugged bulls, herd header material, ready for service, sired by Fulfiller 3rd, Fulfiller 25th and Beau Onward. Priced right and worth the money.
KLAUS BROS., BENDENA, KANSAS.

Mathews' Registered Herefords
For sale. 36 bulls, 9 to 21 months old and 20 early spring heifer calves. The kind that will make you money.
FRED MATHEWS & SONS, Kinsley, Kan.

Star Breeding Farm
HEREFORDS Headed by Tophon 4th. 90 Bulls, 14 to 30 mos. Single or carloads. Can spare a few females in lots to suit buyer.
DUROCS Of most fashionable breeding headed by Model Top 77405. Choice individuals of both sexes for sale at all times.
Sam'l Drybread, Elk City, Kansas

Modern Herefords
ROBT. H. HAZLETT
Hazford Place
Eldorado, Kansas

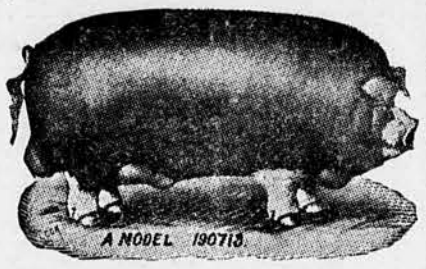
Bros., Goodhue county, Minnesota, we sold an imported Hackney stallion and a black Percheron stallion. To Orlin Kirk, Crawford county, Illinois, an imported Shire stallion and a pair of imported Shire mares. The Money Creek Horse Company of Houston county, Minnesota, selected an imported grey Percheron stallion. This is the second stallion we have sold this company. Our old customer S. J. Huston of Louisa county, Iowa, purchased a pair of imported Percheron mares. To John H. Duis, Dawson county, Nebraska, we sold three imported Shire stallions. Mr. Duis has one of the best breeding barns in the state of Nebraska. To our old customer, Frank Stoddard, Coles county, Illinois, we sold an imported Shire stallion. This is the third stallion we have sold him. Dunham Brothers of Louisa county, Iowa, purchased the noted Shire stallion, Jester. These gentlemen have a stud of purebred Shire mares and this is the second Shire stallion we have sold them." We recommend this firm as being thoroughly reliable and responsible. They handle the best in their lines, their specialty being English Shires. Any of our readers wishing Shires, Percherons or Belgians will do well to correspond with this farm.

Drybread's Herefords and Durocs.

Attractive offerings of Hereford cattle and Duroc-Jersey hogs are advertised by Samuel Drybread of Elk City, Kansas. Mr. Drybread has an unusually large number of bulls on hand and offers them in lots to suit the buyer. Parties wanting a choice bull suitable to head a good herd or a carload of good bulls to turn on pasture should see the bunch at Star Breeding Farm. Mr. Drybread states that he can spare a number of good cows and heifers, and these are bred to the herd bull Tophon 4th, a grand individual. The herd of Durocs is one of the largest in the country and represents the best line of breeding. It is claimed on good authority that Mr. Drybread has brought four of the best sires of the Duroc breed to Kansas; namely, Belle's Chief, one of the best sons of Ohio Chief; Buddy K IV, a great show boar and sire of the big sort; B. & C.'s Col. pronounced by many good judges the peer of any living boar, and lastly, Model Top, greater than any of his predecessors perhaps. The nicely bred sows representing the sires that have been used at Star Breeding Farm before him, and now being bred to Model Top, certainly carry all in their veins that can be desired in the most fashionable Duroc blood lines. Look for the advertisement of Star Breeding Farm in this paper.

A Model—Iowa's Grand Champion.

A Model, No. 190713, the grand champion Poland China boar, Iowa State Fair, 1912, bred and owned by S. A. Roberts, Knoxville, Iowa. Sire Big Knox by Big Bone; dam Bettie's Dude by C.'s Winning Dude. A Model was farrowed June 1, 1911. He was exhibited at the Des Moines fair by Mr. Roberts, winning first prize as a junior yearling boar and the senior champion and grand championship. His sire Big Knox is perhaps the largest breeding boar owned in the United States. The sale of big type bred sows which will be held by Mr. Roberts at Knoxville, Iowa, on January 17, includes 25 sows that are bred and safe



in pig by A Model. The balance of the offering of 45 head are bred to such boars as Big Knox, Blake's Best, and Ike's Big Orange. This offering of bred sows possesses outstanding individual merit and represents the best blood lines known to the Poland China breed. The writer had the privilege of seeing the herd and inspecting the offering and can say that the sows which will be sold on this occasion merit the patronage of the most exacting breeders. The sows which will be sold combine unusual size with quality and finish and the entire offering is exceptionally uniform.

Missouri, Kansas and Iowa.

BY ED. R. DORSEY.

The importing firm known as the Blue Valley Stock Farm, formerly owned by W. H. Bayless & Son, has taken in a partner in Belgium and hereafter the firm will be under the head of W. H. Bayless, Deso & Co. This will not only enlarge the business but will give them every possible advantage in buying the right kind of horses as they buy many out of the selling season. They also raise many of the best horses of that country. The new partner lives in Brabant Province, the original home of the Belgian draft horses. They will furnish importers horses by load lots either in Europe or America. There can be no better firm to do business with. Mr. Bayless is one of our very best business men, has handled stallions and jacks for years, owns 1,100 acres of fine land, vice president of one of the strongest banks in Linn county. His son is cashier and they have plenty to do business on. They are able to carry paper on horses for any length of time and a guarantee from them is as good as can be written. Last September they brought over a load and in a few days took 11 head to the great American Royal and won 16 prizes and not one horse unplaced. On December 28 they received a load of 17 head, fully as good as the September importation. They now have 50 head to select from and most of them trace direct to the blood of Brin d 'Or, the champion of Belgium of 1900, and the best sire known to the breed. This firm has winners on both continents and for the size of the stable is unexcelled. Since they import both Percheron and Belgian stallions and mares it enables the buyers to get what they want and of any age. In adding to the Blue Valley Farm the exporter and a large breeder of Europe certainly gives Kansas buyers an unusual opportunity of getting the better class for less money. Blue Mound is in Linn county. Two railroads;

GALLOWAYS.

G. E. CLARK. W. W. DUNHAM.
CAPITAL VIEW GALLOWAYS.
12 Miles West of Topeka.
Can furnish car of good cows, also bulls ranging in ages from calves to 2-yr.-olds. Can suit your wants. Write
CAPITAL VIEW RANCH, Silver Lake, Kan.

Fort Larned Herd
40 REGISTERED BULLS. 20 GALLOWAYS and 20 RED POLLS. 10 to 20 months old. Priced to sell.
E. E. FRIZELL, LARNED, KANSAS

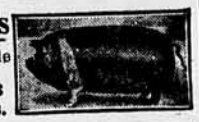
HAMPSHIRES.

Pure Bred Hampshires
Inspect our herd or write for prices. Our motto is to please. ALVIN LONG, Lyons, Kansas.

WRITE J. F. PRICE, Medora, Kans.
For prices on Pedigreed Hampshire Hogs

REGISTERED HAMPSHIRE HOGS
of various ages not akin; two registered and one grade Dutch Belt bulls, also 1 spotted Arab stallion.
C. W. WEISENBAUM, ALTAMONT, KAN.

Try The White Belts
Special prices on boars. Sale of bred sows and gilts
January 23, 1913
T. W. Lavelock, Princeton, Kas.



O. I. C. SWINE.

40 Choice O. I. C. Pigs H. W. Haynes, Meriden, Kan.

EDGEWOOD O. I. C's. Choice gilts and fall pigs; also tried sows.
HENRY MURR, TONGANOXIE, KANSAS.

Two Herd Boars
For sale and choice bred gilts at $25 while they last.
F. C. GOOKIN, RUSSELL, KANSAS

O. I. C. Yearling and tried sows and spring gilts bred to good boar. Also, fall pigs at special prices.
R. W. GAGE, Garnett, Kansas

O. I. C. SWINE.

KENT'S IOWA HERD
100—Good lengthy, heavy-bone spring boars—50 fall and yearlings, also large number of sows from my great State Fair prize winning herd. It will pay you to write me today for prices and the way I will ship these hogs before paying for them.
THOS. F. KENT, Walnut, Iowa, R. F. D. No. 2.

STAR HERD O. I. C's.
Breeding stock of various ages, either sex. Best breeding represented in this herd. Write your wants.
ANDREW KOSAR, GLASCO, KANSAS.

O. I. C. HOGS 125 HEAD Pigs in pairs, Bred Sows and Service Boars
W. H. Lynch, Reading, Kansas.

Neef's Cholera Proof O. I. C's.
Boars of all ages from 8 weeks to yearlings. Also prize sows bred and gilts bred or open. Can furnish pairs or trios, no kin. Herd headed by O. K. Perfection, by O. K. Winner, and Neef's Oak, by White Oak. All stock priced worth the money. Riverside Farms.
JOHN H. NEEF, Prop. Boonville, Mo.

BERKSHIRES.

Hazlewood's Berkshires!
Choice spring boars and gilts priced to sell. Write today. W. O. Hazlewood, R. 8, Wichita, Kansas

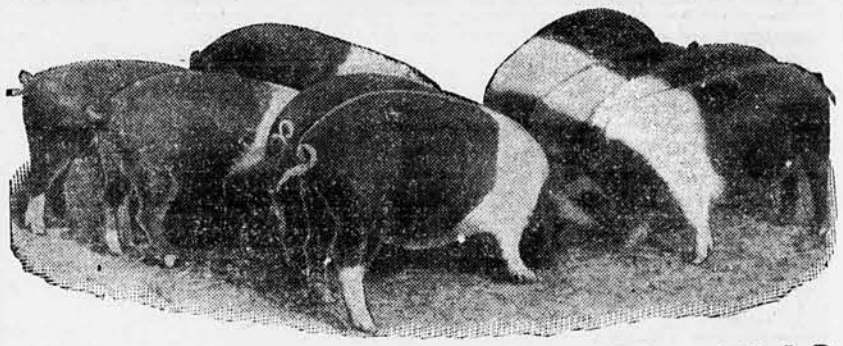
WAITE'S BERKSHIRES.
Choice young Boars and Gilts, also tried sows. Most famous Robinhood Blood. We guarantee satisfaction. Call or write
LEON A. WAITE, WINFIELD, KAN.

GOOD SOWS BRED
to champions and grand champions. I also have some splendid fall pigs that I will sell single or in pairs no kin.
C. G. NASH, Eskridge, Kan.

BERKSHIRES, SHORTHORNS and JERSEYS
FOR SALE—25 boars by Robinhood Premier 2nd or Rival's Lord Premier, and out of sows representing such sires as Imported Baron Compton, Berryton Duke and Premier Longfellow.
Also a choice Shorthorn bull calf by Silk Goods and out of a show cow.
W. J. GRIST, :-: OZAWKIE, KANSAS

MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.
200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever raised), Forrest Count, etc. One hundred open sows and twenty extra nice males. Two extra good herd boars for sale (every one deep in breeding and rich in blood).
E. D. KING, BURLINGTON, KANSAS.

Hampshire Bred Sow Sale



Ottawa, Kan., January 23, 1913

60—Bred Sows and Gilts—60

Sired by the 895-pound PRAIRIE KING; the Great Show Boar, WIDOW'S MODEL, one of the Best Large Boars, and Other Noted Sires. Bred to the Superb Show Boar, KANSAS MODEL, WIDOW'S MODEL and Other Good Boars.

I extend a cordial invitation to breeders and farmers to attend this, my second annual sale of Hampshire Hogs. The Hampshire Hog is attractive, active, most prolific, a good rustler and sells at the top of the market when fattened. In breeding these hogs I have spared no pains in trying to secure the best individuals and best blood lines of the breed. This offering has been selected and reserved with the view of making it fairly representative of my herd, and in the broader sense, reflect credit on the breed. This is the opportunity to secure the hog that will improve your stock and make a profitable investment.

Auctioneer—Col. Thomas E. Deen. Write for the Catalogue.

T. W. LAVELOCK, Princeton, Kan.

MULE FOOT HOGS.

Mule Foot Hogs More premiums won in 1912, than any herd in the U. S. Bred sows, some extra spring farrow boars and pigs in pairs not related. Pedigrees furnished. ZENE G. HADLEY, R. F. D. 5, WILMINGTON, OHIO.

POLAND CHINAS.

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, KANSAS.

ALFALFA TEA FED POLAND CHINAS. Best large type blood lines; bred sows and gilts, the kind both farmer and breeder should raise. If you want to know more about them and how they are raised on alfalfa tea, address. H. W. HOAK, ATTICA, KANSAS.

ROY JOHNSTON of South Mound, Ks., Sells Sixty Bred Sows, Jan. 20. Write for catalog.

NEBRASKA TYPE. A fine lot of summer and fall pigs by Hyden's Big Hadley 2nd, Pan Wonder and Neb. Chief. Bargains in the best. C. C. Ingram, Bloomington, Neb.

POLAND CHINAS Select young boars. Gilts, bred or open. Prices right. Call or Address H. L. BROOKS, LARNED, KANSAS

HARTMAN'S BIG-TYPE POLANDS Spring boars and gilts. Gilts bred or open. No fall sale. Three fall boars. Everything guaranteed. J. J. HARTMAN, ELMO, KANSAS.

Becker's Poland Chinas Good spring boars. Fall yearling gilts, bred for early spring litters. Some nice spring gilts bred or open. Special prices on summer and fall pigs, either sex. J. H. BECKER, NEWTON, KANSAS

Polands—Barred Rocks Summer and fall pigs by Referendum and J. C. Metal and out of choice sows. Priced to sell. Also 50 Barred Rock Cockerels. A. N. Waechter & Son, Riverton, Neb.

Albright's Boar Offering Five big, smooth Sept. yearling boars, sired by A. L.'s Hadley. 15 spring boars sired by Cavett's Mastiff. Big, well grown fellows. Smooth as you ever saw. A. L. ALBRIGHT, WATERVILLE, KAN.

Big Boned Bred Sows March and February gilts sired by Gold Mine, bred to Pan Look and Wide Awake; also, tried sows bred to Gold Mine. Dietrich & Spaulding, Richmond, Kansas.

Schneider's Poland Chinas Can furnish choice summer and fall pigs, pairs or trios, not akin, by Guy's Expansion and Golddust Hadley. Also 10 head of yearling sows bred to these boars. JOE SCHNEIDER, Nortonville, Kansas.

POLAND CHINAS! Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomer, Iron Clad 2d and others. Priced right. Ask for prices and descriptions. JOSEPH M. BAIER, ELMO, KANSAS.

Dean's Mastodon Polands Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Bred sows all sold. Will sell a few boars of serviceable age, also choice fall pigs, either sex. All **Immunized by Double Treatment** Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address CLARENCE DEAN, WESTON, MISSOURI

Mammoth Poland Chinas My herd boars weigh from 800 to 1,000 lbs. Am now ready to ship 200 of the big, easy feeding, quick maturing kind. Tried boars and sows, last fall boars and sows, and spring pigs of both sexes. My terms are: If you are not satisfied return the hog, and I return your money. F. P. ROBINSON, MARYVILLE, MISSOURI

Say! Mr. Farmer and Mr. Breeder I have a fine crop of fall pigs all sired by my great young Poland China boar **Advance 60548** for which I have recently refused $500 cash. I have decided to sell all of them, both boars and gilts for $15.00 each. Dirt cheap. First come first served. Come and take your choice, or send a friend to choose for you. If you can do neither then send check and let me choose for you. **Paul E. Haworth** Lawrence, Kansas

A few fall males by Defender. Bred sow sale, Saturday, Jan. 25th, 1913. PHIL DAWSON, SO. ST. JOE, MO.

eight passenger trains daily. The importing stables are on the farm, which adjoins the city. Visitors are always welcomed and they will never meet a nicer set of men in any business. Better visit the Blue Valley Stock Farm and see these good horses and get acquainted with W. H. Bayless and his son Hugh Bayless.

Guernseys Popular in Kansas.

J. W. Shope of Frankfort has purchased a pure bred bull, 15 months old, of Glenwood breeding. B. J. Stevenson, of Thayer, a 2-year-old bull. W. G. Chrissman of Burlington an 18-months old bull, B. F. Manger of Newton, a 5-months old bull calf and Chas. Bremer, Burlington, a 15-months-old animal. R. D. Lahman of Bartlesville, Oklahoma, a 10-months-old bull; all of these were sold as the result of an ad placed in October issue of Farmers Mail and Breeze by R. C. Krueger of Burlington, Kansas.

Platte County Jack Sale.

The entries of the Platte County Jack Sale Co. of Platte City, Mo., have closed, with 50 jacks, 20 jennets and 10 stallions, including registered and imported drafts, coach, saddlers and Standard trotters, with the following breeders contributing from one to five head each: A. L. Stallard, Stillings, Mo.; Bradley Bros., Warrensburg, Mo.; Moore & Goen, Smithville, Mo.; Jas. Moore, Platte City, Mo.; Jno. W. Ecker, Parkville, Mo.; E. Dillingham, Platte City, Mo.; W. Z. Jones, Platte City, Mo.; E. J. Payne, Camden Point, Mo.; F. S. Burgess, Dearborn, Mo.; W. R. Hardesty, Smithville, Mo.; B. F. Moore, Platte City, Mo.; Marion Hall, Smithville, Mo.; Matt Clements, Platte City, Mo.; R. L. Sewell, Smithville, Mo.; J. J. Clement, Platte City, Mo.; L. T. Jones, Camden Point, Mo.; M. H. Roller & Sons, Circleville, Kan.; Nick Bradley, Warrensburg, Mo.; J. West Farrell, Moberly, Mo.; T. L. McWilliams, Girard, Kan.; S. B. Ult, South St. Joseph, Mo. J. B. Dillingham, the manager of this sale, told the writer recently that he had refused 20 jacks that were not up to what he thought they should be. The names and addresses of the contributors are here given so the prospective buyers may have the opportunity to write them about what they will have to sell. For catalogs write to J. B. Dillingham, Platte City, Mo.

The Deming Ranch Sale.

Everything is moving along nicely at the Deming Ranch of Oswego, Kan. Winter has been exceeding warm; both cattle and hogs are in the best of condition and they expect a good attendance at their sale of brood sows February 25. The Deming Ranch is known for hundreds of miles for many reasons. It is said to be one of the most fertile of its extreme size. It's under different superintendence that specializes every branch of industry and under the management of Poland China hog department is as neatly kept as any other department on the ranch. They have nearly 1,000 head and are using such hogs as Receiver by Big Wonder by A Wonder, bred by Fred Seevers; Ex. Wonder 34th, bred by John Belcher of Raymore, Mo., sired by Expansion's Wonder, out of Josie L. 4th by Blain's Wonder; Deming King and Black Metal by Bell's Chief out of Lady Hutch by Hutch Jr. Top Notcher, bred by Roy Johnston of South Mound, Kan., sired by What's Ex., out of Madam Shapley. Bud Hadley, bred by Herman Gronniger & Sons of Bendena, Kan., sired by Big Hadley's Likeness out of Banner Lady by Banner Boy. All Hadley, bred by Herman Gronniger & Sons of Bendena, Kan., sired by Big Hadley's Likeness out of Bessie B. by Banner Boy. Tom Meisner, bred by Tom Meisner of Sabetha, Kan., got by Metal Choice by Missouri Metal by Bell Metal. Orange Stout by Big Orange. Write the Deming Ranch for the catalog of this brood sow sale of February 25. They have no mailing list.

Editorial News Notes.

Very few farmers realize the many uses to which one of the very commonest of household products can be put. We all know that Lewis' Lye is best for making soap, softening water, conditioning hogs, spraying trees, vines and vegetables, destroying vermin, etc. There are probably over a hundred different ways in which Lewis' Lye not only can be used but in which it is the best for the purpose. Among these dehorning cattle is very important as it can be done with Lewis' Lye without trouble and with no danger to the calf. The best time to dehorn by this method is when the calf is about 6 weeks old and it can be done equally well by two different methods. First grease around the root with a good solid grease. Wet the buttons and place on a small piece of lye about the size of a kernel of corn. The other method is to swab the buttons after being greased with a strong solution of lye and water, about ½ can to a pail of water. If this is done the horns will never grow out. When the economy of this method is considered no doubt more farmers will use Lewis' Lye for this purpose. See the Lewis' Lye ad on page 9.

The feed mill made by the Bovee Grinder and Furnace Works of Waterloo, Iowa, is called the Four Burr Mogul Mill. It is a mogul all right. That is, it does a lot of work for its size. It does it well and does it rapidly. It is fitted with two complete sets of burrs which both grind at the same time. In other words it is the simple truth to say that there is no better feed grinder on the market. It is made in three sizes. The smallest grinds 20 to 40 bushels of ear and shelled corn, and the largest 60 to 80 bushels. Many of these mills are in use in Kansas. Recently Wm. W. Nicholson of Hill City, Kan., wrote Mr. Bovee as follows: "I have tested my grinder, a Mogul No. 1, that I bought of you. I ground in 30 minutes 49½ bushels of ear corn and 68 bushels of shelled corn in 30 minutes. I think the Bovee grinder is the best one made and would not have any other kind. I would guarantee it to give satisfaction to anyone." Mr. Bovee has a very attractive illustrated folder which he will be glad to send to our readers. See the Bovee ad on page 11. Write for complete information to Bovee Grinder and Furnace Works, 88 8th St., Waterloo, Iowa.

Fence Bargains.

We are just in receipt of a letter from James Brown, president of the Brown Fence & Wire Co., of Cleveland, Ohio, in which Mr. Brown invites every one of our readers

POLAND CHINAS.

80 Acres OF GOOD LAND to exchange for a good herd of Registered Poland Chinas or Duroc hogs. L. R. KERSHAW, Muskogee, Okla.

QUALITY and SIZE Big, Smooth Poland China Boars and Gilts. Spring farrow. Write for prices. LAMBERT BROTHERS, SMITH CENTER, KANSAS.

Fall and Summer Pigs For Sale Sired by my Iowa boar. Extra good and out of my mature sows. Everything immune. Also Rhode Island Red cockerels for sale. L. E. KLEIN, ZEANDALE, KANSAS.

Big Type Poland China BRED SOW SALE JAN. 25. 45 head. Every one a good one. 35 head bred to the 1,000-pound Columbus. Send today for catalog. R. B. BAIRD, CENTRAL CITY, NEB.

POLAND CHINAS.

A REGISTERED POLAND CHINA male wanted, which has been used as herd boar, by a standard, well known breeder, who is obliged to change account breeding herd boar's gilts. Animal must be first class and not aged. W. E. BROWN, OKLAHOMA CITY, OKLA.

DUROC-JERSEYS.

Duroc Pigs, $9.00 R. W. BALDWIN, Conway, Kansas.

15 Duroc Sows and Gilts Kant Be Beat, Crimson Wonder, and Colonel breeding, and bred to a splendid boar sired by King the Col. Priced reasonable and guaranteed as represented. ARTHUR A. PATTERSON, Ellsworth, Kan.

Outstanding Duroc Herd Boar All sold out on boars except an extra choice son of Crimson Wonder Again, out of a Valley Chief dam. Selling him to close a partnership. Three of his brothers are at the heads of good herds. I am keeping his litter sisters in my herd. One of these I will put in my Jan. 24 sale as a special attraction. JOHN T. HIGGINS, Abilene, Kansas

Iowa's Grand Champion A Model BIG TYPE Poland China Sale! Knoxville, Iowa, Jan. 17, 1913

25 Sows Bred to Iowa's Grand Champion, A MODEL, weight 570 pounds at 14 months.

Write for the Catalog.

45 Bred Sows, Representing BIG KNOX, BIG ORANGE, GRAND LONGFELLOW, BLUE VALLEY CHIEF, BIG EXPANSION.

Great, big, heavy-boned individuals to match the splendid pedigrees and combined with unsurpassed quality. They are safe for early farrow to the great grand champion, A Model, the 1,100-pound Big Knox and Blake's Best. Here is an early sale; get your bids in at once for the bargain-counter prices. All high-class goods; none better; few as good.

S. A. ROBERTS, Knoxville, Ia.

COL. H. S. DUNCAN, Auctioneer. G. W. BERRY, Fieldman.

QUIVERA PLACE Duroc Sale! Herington, Kan., Wednesday, Jan. 8th

40 bred sows consisting of 15 tried sows, mostly two years old, 10 spring gilts, 4 open summer gilts and 5 summer and fall boars. 10 of the spring by Quivera and 5 by M & M's Col. The four summer gilts are also by Quivera, as are also the 5 summer and fall boars. The tried sows which are as desirable, from the standpoint of breeding and individual merit, as any that will go through a sale ring this season, are by such boars as King of Kant Be Beat, Carl's Critic, Golden Ruler, G. M.'s Carl Col., College Lad and Rose Top Notcher. Everything went through the cholera early in the season and was vaccinated and it is claimed by experts that this immunes the herd from disease. The offering is one of quality clear through and in excellent breeding form. Catalogs are ready to mail and you can have one by return mail by asking the proprietors.

Munsell & Isenberg, HERINGTON KANSAS

Sale at farm adjoining town. Free auto service to and from hotel. Free hotel accommodations for breeders from a distance.

Auctioneers—L. R. Brady, W. A. Fisher. J. W. Johnson, fieldman.

DUROC-JERSEYS.

DUROC-JERSEY BOARS AT $25.
I am making special prices now on spring boars sired by my state fair winners. Also a choice line of gilts bred to my prize winning herd boars.
CHAS. L. TAYLOR, OLEAN, MISSOURI.

BEAVER VALLEY HERD DUROCS.
Boars and gilts sired by Grand Master Col. II 94903 (Grand Champion and sire of winners at Oklahoma State Fair, 1911), Defender's Col. 112297, Autocrat 94765 and Muncie Col. 113779. Satisfaction guaranteed.
W. A. WILLIAMS, MARLOW, OKLAHOMA.

Pleasant View Durocs. Choice March and April boars and gilts for sale. Write for prices.
T. P. TEAGARDEN, WAYNE, KAN.

DORR'S DUROCS 10 summer boars, 30 gilts and 25 fall pigs, all vaccinated. Sired by A Crimson Wonder boar. Price low. A. G. DORR, OSAGE CITY, KANSAS

FALL YEARLING BOARS A few very choice ones and fall and summer pigs at bargains. Bred sow sale February 8th. P. C. GARRETT & SON, Bloomington, Nebraska.

A Fine Offering Bred Sows and Gilts
Also open gilts and summer pigs. Best of breeding.
R. C. WATSON, ALTOONA, KANSAS.

BIG TYPE DUROCS Herd rich in blood of Col Wonder, Buddy and Monarch families. 45 head tried sows and gilts in our bred sow sale, February 5. Stock for sale. Send for catalogue
MOSER & FITZWATER, GOFF, KANSAS.

Clover Dale Durocs
Choice lot of sows bred to King of Cols. 2d. Boars ready for service and fancy bunch of fall pigs. Stock all in fine, healthy condition. L. T. SPELLMAN, PAOLA, KANSAS.

Bonnie View Farm
Duroc-Jerseys: Boars and gilts.
Plymouth Rocks: 100 cockerels.
Searle & Cottle, Berryton, Ks.

Deep Creek Herd Durocs
Extra choice early fall pigs now ready to ship from dams sired by State Fair Champion boars. Satisfaction guaranteed.
O. O. ANDERSON, MANHATTAN, KANSAS

BIG TYPE DUROC-JERSEYS
Spring males at $25; summer pigs $10, trios $25; fall boars, good ones at $30 to $40; yearling sows, open or bred. Every hog shipped on approval. Satisfied customers in 22 states Red Polled cattle, cheap.
GEO. W. SCHWAB CLAY CENTER, NEB.

TATARRAX HERD DUROCS
The finest lot of Fall pigs we ever offered, either sex. Most of them by the Grand Champion Tatarrax. Bred sows and gilts priced for quick sale.
HAMMOND & BUSKIRK, Newton, Kansas

College Hill Durocs
Bred sows and gilts for spring farrow for sale. Popular breeding. Farm adjoins agricultural college. Prices right.
W. W. BALES & SONS, MANHATTAN, KAN.

FALL BOARS BY DREXEL'S PRIDE
the sire of my show hogs. Spring pigs by him and Queen's Wonder 112317, a sensational Crimson Wonder Again yearling. All choice and priced right.
W. T. HUTCHISON, CLEVELAND, MO.

Quivera Place DUROCS
Spring boars for sale by Quivera and M. & M's. Col. Gilts reserved for Jan. 8 bred sow sale.
MUNSELL & ISENBERG, Herington, Kan.

FISHER'S DUROCS
"A chance of a life time." My entire spring crop sired by Old Graduate Col. and Crimson Prince at $15 to $25 each. Closing out. Don't delay. Write today.
H. E. FISHER, Danville, Harper Co., Kan.

Leon Carter, Asherville, Kan.
Duroc-Jerseys. Oldest herd in Mitchell county. Plenty of new breeding in my bred sow sale Thursday, Jan. 30. 45 head. Write for catalog.

ROYAL SCION FARM DUROCS
Fashionably Bred Durocs, spring boars and bred gilts, by the great Graduate Col. Also sows and gilts bred to him.
C. C. Norman, Prop., Winfield, Kan.

Perfection Stock Farm
Nov. boars and gilts, also 80 choice spring pigs, by State Fair grand and reserve champions. Pairs and trios not related. Ship on approval. Prices right. Write your wants. Geo. M. Clasen, Union City, Okla.

Good E Nuff Again King 35203
The great Duroc boar of the West heads our herd. 25 gilts and 20 boars sired by him. 8 tried sows and 12 fancy gilts bred to him for sale. Herd boars and show prospects a specialty. Prices right
W. W. OTEY & SONS, WINFIELD, KAN.
"The Men with the Guarantee."

BANCROFT'S DUROCS
We hold no public sales. Nothing but the best offered as breeding stock. Yearling and spring boars. Sows and gilts open or bred to order for spring litters. 135 fall pigs either sex. Pairs and trios not akin. Prices right. Customers in six states satisfied. Describe what you want. We have it.
D. O. BANCROFT, OSBORNE, KANSAS.

Stith's Durocs
200 head from which to select. Fashionable blood lines. Strong in blood of prize winners. Let me supply you with show yard type or the farmer's kind. Sows and gilts bred to my herd header, Model Duroc, and other good sires. Fall pigs, pairs or trios, priced for quick sale. Write today stating your wants.
CHAS. STITH, EUREKA, KAN.

to write for his new 1913 catalog. If you need fencing of any kind, for any purpose or if you will need fencing later it will pay you to write to Mr. Brown at once. Brown fence is sold direct from factory, all freight prepaid wherever you live, and the prices are exceedingly low. Brown fence quality is such that over 25 million rods have already been sold direct from factory to customers in all parts of the country. Brown's catalog tells all the facts. Write a postal now. Address Dept. 13, Brown Fence & Wire Co., Cleveland, Ohio, and mail at once.

Free to Stock Owners.

The Wilbur Stock Food Co. of Milwaukee have decided to give every owner of livestock an opportunity to try their product absolutely without expense. In other words they have such unbounded faith in the merit of their stock and poultry tonic that they are going to send out half a million large size boxes absolutely free. Anyone who owns livestock of any kind may obtain one of these try-out boxes merely by requesting it. Wilbur's Stock and Poultry Tonic has been on the market for about a quarter of a century and is known the world over as an excellent conditioner for all kinds of livestock—cows, horses, sheep hogs, poultry. It aids digestion and enables the animal to assimilate every particle of value in the feed it eats. The manufacturers make exceptionally strong claims for Wilbur's Stock and Poultry Tonic and these claims are backed up by convincing evidence from users in all parts of the country. As stated above every farmer and stock owner may obtain absolutely free, a large try-out box of this remarkable stock tonic by asking for it. Simply send your name and address and tell the number of cows, horses, hogs, poultry, etc., you own and the big free box will be sent you. Address Wilbur Stock Food Co., 622 Huron St., Milwaukee, Wis.

Peter Schuttler's 100th Anniversary.

In 1913 the Peter Schuttler Company will celebrate the 100th anniversary of the birth of Peter Schuttler, founder of the great institution that still bears his name. Seventy years ago (in 1843) Peter Schuttler started building farm wagons in a little shop on the corner of Randolph and Franklin streets in Chicago, which was then a small village only six years old, with a population of about 3,800 people. He built the Old Reliable Peter Schuttler wagons with his own hands and was one of the pioneer farm wagon builders of the United States. The first wagons that crossed the great plains of the West were built by Peter Schuttler. He also built the wagons used by the Mormons in their migration to Utah. From the little shop in Chicago the business has grown until today it is one of the greatest farm wagon factories in the world. Three generations of his sons and grandsons have grown up in the same business, and for over 70 years the business has been in the one family. It is still under the active, personal management of Peter Schuttler's grandsons, who are all practical, progressive wagon builders. As the business grew, larger and still larger buildings were erected—and upon the death of Peter Schuttler the first in 1865 it was continued by his son, Peter Schuttler the second The factory was swept away in the great Chicago fire of 1871, and a new plant was erected at Clinton and Monroe streets, which was the largest and most modern of its time. In 1902 the present large plant was built. It is one of the largest in the world, covering over 20 acres of ground, and is equipped with every labor saving device that will do the work as well as by hand. The great lumber yards of the Peter Schuttler Company, in which five years' of lumber supply is constantly drying, are celebrated throughout the world. See the new advertisement on page 17. Write for catalog to the Peter Schuttler Company, 2511 W. 22nd St., Chicago.

Theory vs. Practice in Poultry Culture.

Speaking of hens, there are homes and farms, scattered all over the country, where experiment station bulletins never come and the "new agriculture" is yet unheard of, whose owners get a good living—yes, actually make money by keeping hens. Theory is fine, but practice is a whole lot better; and the old farmers and their wives, who are coining the "mon" by keeping hens, think little of theory, but a great deal of practice. It is doubtful if they ever gave theory even a thought. But, whether they did or not, they've learned volumes in the school of hard experience and that knowledge is helping them out now, when making a living is a much harder job than it was some years ago. All due credit to the good farm people who are doing their level best to prevent an egg famine! But, lest we be accused of unfairness, let us hasten to assure the "man of theory" that he, too, can line his purse with good dollars, acquired through the industry of his hens, if he will but apply to his business a part of the well earned wisdom of the practical farmer. And what is it? What should be done to persuade a lot of cantankerous, non-productive hens to settle right down to business and pay a profit over their keep? Well, we could mention several things that would help, but the corner stone of the structure—the keystone of the arch—is just simply good digestion on the part of the hen. Does that sound far-fetched or foolish? Think a moment. You give your hens a certain amount of food each day. If a large part is wasted because of non-assimilation, it doesn't make eggs—that's sure. This being now admitted, the question of "how" comes naturally to the fore. And it is an easy question to answer. Dr. Hess Poultry Pan-a-ce-a is composed of natural tonic elements which act directly upon the digestive organs of the hen. It creates appetite and strength to properly dispose of a great quantity of food. It does this without leaving the fowl liable to ultimate breakdown from continued heavy feeding. It follows, therefore, as a natural consequence, that hens getting Dr. Hess Poultry Pan-a-ce-a (small quantities only) in their ration, become prolific layers, because the ovaries are constantly supplied with egg-building elements. It follows, also, from the same premise, that Hess-fed hens pay, and that Hess-fed chickens grow, and that Hess-feeders become rich. All of which proves that the theoretical hen man may become a practical hen man if he will.

Keep the hens warm so that all the food will not have to be used as fuel.—F. A. R., Perry, Okla.

H. B. MINER'S
Duroc-Jerseys!

A draft sale of 35 head of selected bred sows, any one of which would prove a valuable addition to your herd.

Guide Rock, Neb.
Thursday, Jan. 16, 1913

Twenty-five fall gilts selected from double that number that were sired by MODEL H. and bred to SUNKIST CHIEF, the winner of fourth place in the under six months class at Iowa State Fair this season. MODEL H., the sire of this outstanding offering of bred gilts, is a son of old Higgin's Model and himself one of the most valuable breeding boars ever owned in Northern Kansas and Southern Nebraska.

Ten tried sows, bred to MODEL H. for early spring litters complete the offering. Every one of them has proved her worth and can prove it sale day, as many of the fall gilts are out of these sows.

The offering, while not a large one, will prove one of the best that will be offered in Nebraska this winter.

Mr. Miner has been a good buyer of bred sows the past two years and his herd of sows represent leading families of Durocs and are valuable producers. Model H. and Sunkist Chief speak for themselves. Catalogs ready now. Get one. Address

H. B. MINER, Guide Rock, Neb.

Auctioneers—John Brennen, G. G. Denney.
J. W. Johnson, Fieldman.

F. C. CROCKER, FILLEY, NEB.
Is Selling a Draft of
50 Duroc-Jersey
Spring Gilts from His Herd.

Beatrice, Nebraska
Thursday, Jan. 16, 1913

The offering, 50 spring gilts, is made from one of the largest herds of Registered Duroc-Jerseys in the west. The offering was selected from over 100 head of choice gilts and is the actual tops. There are 25 Top Notcher Again herd sows in this herd and 50 per cent of this offering is out of these magnificent sows. Fifty per cent of them were sired by Lafollette's Last, a great breeding boar, bought by Mr. Crocker especially to cross on these sows. Ten of the sows that contribute to this offering were sired by Hogate's Model, the first and Grand Champion at Nebraska State fair 1906. Fully 60 per cent of the offering is bred to Lafollette's Last and Vanquisher. Lafollette's Last was a good winner at the Iowa State fair last season and Vanquisher was fourth at the Nebraska State fair two or three years ago. The offering is one of real merit. The breeding is up-to-date and the handling of the offering has been such that good strong litters are almost a sure result. Mr. Crocker invites Kansas Breeders to his sale in Beatrice where it is convenient for them to attend. Free Hotel accommodations for you at the Paddock Hotel which is steam heated and the best in the city. The sale will be held in a comfortable pavilion and your comfort will be looked after while you are his guest. Ask him for the catalog and plan to attend. Address,

F. C. CROCKER, Filley, Neb.

T. C. CALLAHAN, Auctioneer.
J. W. JOHNSON, Fieldman.

BIG BARGAINS IN REAL ESTATE

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

WRITE J. M. McCown, Emporia, Kansas, special bargain list, farms and ranches.

320 A. improved corn, wheat and alfalfa land $15.00 per a. Terms. Other snaps. L. E. Pendleton, Dodge City, Kansas.

FOR a square deal in best farm bargains in best part of Kansas, write to H. M. BURTISS & CO., Humboldt, Kansas.

BARGAIN. Improved 80 a., mile out, $3,600. Send for land list. F. C. LIBBY, Blue Mound, Kan. J. L. Wilson, Salesman.

FOR SALE. 160 a., 80 in cult., 40 creek bottom, 20 alf., good improv., correspondence solicited. Geo. R. Rinebarger Elmdale, Kan.

320 A. smooth mixed land, 100 in cult., not far from the new Santa Fe R. R., $10 per a. Other bargains. Moore & Falls, Liberal, Kan.

AGENTS WANTED, to sell Neosho Valley corn and alfalfa lands. $40.00 to $60.00 per a. G. W. Clark Land Co., Chetopa, Kan.

370 CHOICE bottom, alfalfa and corn farm improved, near town; $50 for quick sale, worth $75. E. J. VOTAW, owner, Wichita, Ks.

LOOK HERE! 80 acres good land nicely improved, 5 miles town, gas well, $50 per a. Easy terms. Other bargains. Kraushaar & Belding, Pleasanton, Kansas.

FOR SALE. 800 a. well imp. Market 3 mi. 80 a. alf., 65 a. wheat. R.F.D., phone. Genuine bargain. Short time. For photo and des. address Jno. H. Hall, Wayne, Kan.

HUTCHINSON, Kan.: Choice city property to trade for good farm. Describe fully with price. Buy our 1,760 bargain at $12.50 per acre. Haines Realty Co., Hutchinson, Kan.

MUST SELL. SACRIFICE. 160 Sumner county, highly improved, close to town; 40 acres alfalfa, 60 pasture, excellent farm. Information, Lock Box 285, Wellington, Kan.

BARGAIN in ranch lands. 30,000 a. fine grass, abundant water, considerable farm land, $12.50 a., ¼ cash, bal. 10 yrs. Can divide. No trades. Taylor & Bratcher, Coldwater, Kan.

WRITE for big printed list of corn and alf. farms in rain belt of Kansas. Biggest list choice farms in state. Kenyon & Holtzman, Concordia, Kan. (Pioneer Kan. farmers.)

GREATEST cash bargains in Jefferson Co. 60 a. at $50; 120 a. at $50; 200 a. at $45; 160 at $65, all tillable, well imp., on easy terms. J. A. DECKER, Valley Falls, Kan.

CENTRAL Southern Kan. alfalfa lands. 320 a. valley land, 200 suitable for alfalfa, $8,000. 160 a. in valley, 120 in cult., $4,800. For free list write P. H. THORNTON, Coldwater, Kan.

160 A. Solomon River Val., good 5 r. house, barn 30x40, well and mill. 50 a. alf., 30 a. grass, 3 mi. to market. Price $50 a. $1,500 cash, bal. terms. Corn on farm make 50 bu. to a. I. R. ELDRED, Phillipsburg, Kan.

ATCHISON county bargain. 120 acre farm 3 mi. from town with county high school; all tillable; good 5 room house; young orchard. Price $65.00 per acre. Terms reasonable. JOHN E. SULLIVAN, Effingham, Kan.

ASHLEY county land: 5,000 acres, all tillable, no rocks or hills; for sale in small farms; $2.00 per acre cash, balance in 10 yearly payments. Steady employment for buyers. MALONE & COMPANY, Hamburg, Ark.

FOR SALE—160 a., imp. new. 90 a. cult., 30 a. timothy and clover, bal. bluegrass. 2 mi. from town. R. F. D. $65.00 per acre. 80 a., imp., new. 40 a. timothy and clover, bal. bluegrass sod. R. F. D. 2 mi. to town. Price $70 per acre. Address owner, H. R. DE VORE, Homewood, Franklin Co., Kan.

180 A. good soil, all in wheat, price $9,000. 160 a. well impr. Wheat and alfalfa. Trade equity of $5,000 for gen'l mdse. or grocery stock. Price $10,000. References, 1st Nat'l Bank, Commercial, Citizens and Reno State banks, city. R. F. McDermed, Real Estate Broker, Hutchinson, Kansas.

80 ACRE home farm, 3½ miles from town, half in cultivation, pasture, alfalfa, good water, four room house, barn, orchard. Price $3,600.00. No trades. Write for free list. V. E. NIQUETTE, Salina, Kan.

CASH BARGAIN. 240 a. well improved, bottom land close to town. No waste. Part time. Price $84. Exchanges. Write JESSE SIMPSON, Scandia, Kan.

400 ACRES FOR SALE

Two sets of improvements in fair condition; plenty shade trees. 2 good wells, windmills and concrete water tanks; also creek water at each place. 240 a. of bottom alfalfa land and 160 a. of upland (black soil). 200 a. in wheat, 30 a. alfalfa, 60 a. pasture, bal. corn land, all tillable. 2 mi. town. Phone. Level roads. Will sell part or all. Terms on part. Price $80 per acre.
T. F. JOHNSTON, Garfield, Kan.

LOTS on terms 10 per cent monthly at prices $17.50 to $50.00. **10% CASH** Rapidly growing little city. Just where you want to live or make a profitable investment.
JOHN W. BAUGHMAN, Desk G, PLAINS, KANSAS

ELK CO. Bargains in well impr. farms, close to schools, and town. Cattle ranches close to shipping point, fine stock country. Land $20 to $50 a. Send for description and terms. F. D. GREENE, Longton, Kan.

FARMS bought at right prices are a good investment. Send for our booklet containing choice bargains in the corn and alfalfa belt of southeast Kansas. Farms, prices and terms are right. Write for it today.
MILLER & SON, Petrolia, Kan.

80 ACRES located 2½ miles of railroad, 7 room house, barn 30x40, 2 never failing wells, 60 acres cultivation, 10 acres wild hay, 10 a. bluegrass pasture, orchard. Price $57.50 per acre. Terms to suit.
MANSFIELD, Ottawa, Kansas.

672 ACRE farm. 3 sets improvements, near Arkansas City, Kan. 65 in alfalfa. Best of terms. Ask about this good farm. 80, 160, 240, 320, 408, 620, all above farms are good prices from $30 up to $56 per a.
WM. GODBY, Arkansas City, Kan.

240 ACRES located 4 miles of railroad, 100 acres wild grass and bluegrass pasture, 25 a. hay meadow, 100 acres corn land, orchard, 7 room house, barn, 2 wells, price $65 per acre. Owner will trade for a livery stock or residence property.
MANSFIELD, Ottawa, Kansas.

COFFEY COUNTY, EASTERN KANSAS.
Good homes and investments. Corn, tame grass and ranch lands, $30 to $60 per a. List free. LANE & KENT, Burlington, Kan.

FOR SALE OR TRADE.
100 farms, Western, Central, Eastern ansas in tested counties. Crop failures unknown. List free. THOS. DARCEY, Offerle, Kansas.

EASTERN	1,000 acres,	$25 per acre.
KANSAS	1,730 acres,	$19 per acre.
RANCHES	1,871 acres,	$26 per acre.

T. B. GODSEY, Emporia, Kan.

BEST BOTTOM FARM IN KANSAS.
300 a. finely improved, ½ mi. town, 60 a. alfalfa, 60 a. pasture, 75 a. in wheat; price $65 a. Gile & Bonsall, South Haven, Kan.

NEW RAILROAD.
Good relinquishment, $350, and three deeded quarters at a bargain, near new railroad town in Morton county.
DON VAN WORMER, Richfield, Kan.

FORD AND ADJOINING COUNTIES
Wheat, corn, alf. land, low prices. Values rapidly advancing. NOW is the time to buy. Agents wanted. L. E. WAIT, Dodge City, Ks.

EASTERN KANSAS FARM BARGAIN.
120 a. 3½ mi. town, 100 a. cult., 2 a. orchard, bal. meadow, fair bldgs., windmill and tank; R. F. D. and phone. Price $45 a.
J. C. RAPP & CO., Osage City, Kan.

FOR SALE.
320 acres level wheat land $9.00 per acre. Carry ⅓ on land. Also many other good bargains in corn, wheat and alfalfa lands.
L. E. PENDLETON, Dodge City, Kan.

MONEY-MAKERS AND GOOD HOMES.
Lands in Oklahoma, Texas and Kansas for sale, no exchanges. City property and stocks of mdse. to exchange. List free.
JABEZ F. BRADSHAW, Lenexa, Kan.

COMANCHE COUNTY BARGAIN.
480 a. improved, 9 miles from Coldwater. 173 a. fine growing wheat, all goes, for quick sale, price $27.00 per a. Terms if desired.
C. A. HEATON, Larned, Kansas.

120 Acres For Income Property

Level, productive, finely improved, close in, priced low. List free.
FOSTER BROS., Independence, Kan.

We Want to Buy Land

in the shallow water district, north of Garden City. Send us legal numbers and price.
NIQUETTE & BOSWORTH, Garden City, Kan.

Business Block Bargain

One story cement block building and lot. Well located in one of the best Kansas towns. Sacrifice sale at $4,000. For particulars write
L. D. ARNOLD, Manhattan, Kan.

Sedgwick County Farm Bargains

280 A. first bottom farm, fair improvements. One mile of R. road town, $50 per A., $2,000 cash, will suit you, 101 A. bottom farm one mile of city 8,000 people. Fine improvements, great bargain $110 per acre, $1,000 cash. 320 farm, fair improvements raised 28 bushels wheat per A. this year, $75 per A. Terms. 80 farm, improved, good land, near city, $80 per A. 21 A. farm, well improved, suburbs of Wichita $6,500. Call on or write, H. E. OSBURN,
227 E. Douglass Ave., Wichita, Kansas.

FARM AT AUCTION

240 acres 6 miles south of Garden Plain, Kan., only 20 miles west of Wichita. House, barn, granary, fenced, running water, half in cultivation, all good farm land except 40 acres pasture. 70 acres good growing wheat goes to buyer. Part time. Auction at farm Tuesday, Jan. 7th. Auctioneer, Col. Wm. Arnold, Wichita, Kan. For further information address owner.
M. M. HAGUE, Garden Plain, Kan.

LOOK BEFORE YOU LEAP.
Come to northeast Kansas, (Marshall and Washington Co.) 75 farms for sale. New list ready and free showing land $11 to $125 per acre. Pralle Bros. Realty Co., Bremen, Kan.

ALFALFA AND WHEAT LANDS
at $20 up. Grass lands $10 up. Crops are good; prices are rapidly advancing—NOW'S the time to buy. List free. A few exchanges considered—they must be gilt edge.
WILLIAMS & PICKENS, Meade, Kan.

TWO ADJOINING FARMS.
160 a. and 100 a. well imp., 5 mi. from Co. seat and 9 mi. from the best town in S. E. Kansas. A fine layout for two brothers or father and son. A bargain. Write today for description and photos.
IOLA LAND COMPANY, Iola, Kan.

LINN AND BOURBON CO. FARMS.
Biggest bargains in Kan. Corn, wheat, timothy, clover, bluegrass land $15-$80. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illus. folder free. EBY-CADY REALTY CO., Pleasanton and Ft. Scott, Kan.

THE GRASS THAT FATTENS.
I have a fine list of small ranches, from 320 to 1,600 acres in the great livestock county of Butler, Kansas; famous for its wealth in alfalfa, Kafir corn and native grass limestone pastures.
V. A. OSBURN, Eldorado, Kansas.

MISSOURI.

WANTED buyers for Bates county corn, clover and bluegrass lands; $35 to $75 per acre. For information address Bowman & Company, Amoret, Mo.

160 A., ¼ mi. Parma, 110 cleared, 50 cut over timber. Price $70 per acre. Easy terms. For full description write
R. W. FOWLKES, Parma, Mo.

SEND for my free booklet describing many of the best stock and grain farms in Bates county, Mo.
JNO. F. HERRELL & SON, Butler, Mo.

HIGH CLASS farms of various sizes in Missouri or Kansas. 20 to 40 miles south of Kansas City. Send for list.
L. W. KIRCHER, Cleveland, Mo.

$5 DOWN, $5 MONTHLY,
buys 40 acres near town southern Missouri. Price only $200. Write for list of cheap lands. Box 372, Carthage, Mo.

LOOK HERE.
For sale only; smooth 120 a. farm, well improved; large house, new barn, near school; not far from Warrensburg, town 6,000, county seat; lays good; bargain for 30 days, $57.50 er acre. Terms good. Look this up if you want land. Write O. J. TAPP, Warrensburg, Mo.

OZARK LANDS FOR SALE.
40 a., all fenced with woven wire, 36 a. in cultivation, bal. pasture, new 5 room house, large barn and other outbuildings, fine water, ½ mi. school; mortgage $500 due 4 yrs. at 5½%. Price $1,400. List free.
JAS. B. WEBB, West Plains, Mo.

ONE OF THE BEST.
Howell Co., Mo., 240 acre farm, 200 a. in cultivation, all well fenced. Abundance of fruit, fine water, well, cistern and tank, large barn, 6 room house, near town, R. F. D. and phone line, school 1 mile. Price $35 per a., no trade. Other good farms.
A. P. COTTRELL LAND CO.,
Pomona, Howell Co., Missouri.

AMERICAN FARMER.
We are constructing a three million dollar ditch, which with its laterals is opening up for cultivation, 500 thousand acres wonderful corn, wheat, alfalfa and truck land. Southeast Missouri is the Nile of America and we want 5,000 settlers. These lands will increase in value millions of dollars each year. Write for literature and buy now. Address
EDWARDS BROS. REALTY CO., Madrid, Mo.

POLK COUNTY FARMS For Sale or Exchange Ideal climate, pure water, fine pastures, short feeding season, productive soil, prices and terms to suit. HARRY T. WEST REALTY CO., Bolivar, Mo.

A Remarkable Bargain

320 A. all level land, 65 a. in cult., 80 a. pasture; bal. saw and tie timber. 180 fenced, wire and rail; 9 room house, good well at house; barn 70x76; good well at barn; smoke house, other outbuildings; phone in house; handy to school and church; 6 mi. to North View on Frisco R. R. 5 mi. to Fairgrove; 8 mi. to Co. seat, Marshfield; price $17,600. Incumbrance $5,000, 5 per cent, due 6 years; will change for good Kansas farm. Will assume as as $9,000. What have you to offer? See or
PURDY & COMPANY, Springfield, Mo.

Millionaire Ran

1,800 acres west central Mo., 1,20 cultivation, 300 acres timber, 500 ac othy and clover meadow, 4 sets ments; one extra fine. Improvem $15,000, spring water and lake, or fact everything that makes up country home. Finely located. P acre. Write for particulars.
H. B. WANN REALTY CO.,
205 N. Campbell St., Springfield, Mi

OZARK LANDS.
Improved 80, eight mi. out, part val acres bearing orchard, good; 2 fine spr Price $1,500. Improved 40 four miles part valley, pretty spring branch across land. Price $1,200. Improved 207 acre Inc creek valley farm, 4 mi. out, 170 acres ley; finest farm in McDonald Co. Pr $11,000.00. Impr. 120 five miles out, p valley, extra nice home place. Price $4,2 For particulars and terms address ANDER SON REAL ESTATE CO., Anderson, Mo

MISSOURI.

25 OZARK bottom farms. List free. Write J. H. Wright, Marshfield, Mo.

120 A. farm $700 E-Z terms. Write for picture. Box 594, Mountain View, Mo.

WRITE Morris & Walker for list of south Missouri farms, Mountain View, Mo.

STOP! Listen! 40 a. farm $350. Terms. Other farms. McGrath, Mountain View, Mo.

FOR FARM BARGAINS in the corn belt, see or write Elliott & Coleman, Pleasant Hill, Mo.

STOP today. Write King & Coon for book, Polk Co. land. King & Coon, Flemington, Polk Co., Mo.

FARMS for sale in Northwest Missouri. Write Booher & Williams, Savannah, Mo., for list. No trades.

FINE 430 acre Pettis Co., Mo., good improvements, near town, $90.00, ¼ cash, might consider half clear trade. Eugene T. Thomson, 415 Ohio St., Sedalia, Mo.

200 A. 4 mi. R. R. town. Unimpr. Running water. 25 a. bottom, good grass, good timber. $2,000. Baker Realty Co., Mountain Grove, Mo.

MO. lands, impr. and unimpr., low prices, easy terms; booklet "Why Not Missouri" free. Exchs. made. C.L. Beach & Co., Mansfield, Mo.

WELL imp. 160 acre farm, 6½ miles out; $4,500, on easy terms. Write for particulars. DeMotte Realty Co., Mountain Grove, Mo.

MO. farms, $25-$60 a. Prices rapidly advancing. New list and folder free. German community. J. H. Frederich, Cole Camp, Mo.

FREE, "The Ozark Region." Contains new list cheap lands, and valuable information. Durnell & McKinney, Cabool, Mo.

SEDALIA, Pettis Co. Finest agri., livestock and bluegrass sec. in state. Farms for sale. Morris Bro. R.E.& Loan Co., Sedalia, Mo.

WELL improved 156½ acres, 4 mi. from Bucyrus, will sell at a bargain if taken at once. L. O. SMITH, Rural Route No. 1, Jamesport, Missouri.

WRITE for list improved farms in heart of Corn Belt (Northwest part of State). H. J. Hughes, Trenton, Missouri. Seller of Missouri Black Dirt.

MISSOURI agriculture and grazing land $15 to $50 per acre. Finest climate, best water and grass. Some tracts to trade. R. W. Hedrick, Cole Camp, Mo.

8,080 A. stock ranch at bargain; I am the owner of this ranch and am anxious to make quick sale. Also have listed for sale farms and ranches any size, from 40 a. up. Write me what you want. A. J. JOHNSTON, Merchants Natl. Bank Bldg., Springfield, Mo.

COLORADO.

BEAUTIFUL irri. farms, fruit, sugar beets, grain, alfalfa. Ordway Land Co., Ordway, Col.

SAN LUIS VALLEY, Colorado, 160 a. 3 mi. good R. R. town; lays fine; plenty of water; partly cleared and ready for plow; 4 room house; small stable; only $40 a. Worth $60; small cash payment; bal. long time 6%. Write owner. E. G. BYLANDER, Sedalia, Mo.

GOLDEN opportunities for a home and investments—NOW. Fine farms, ranches, $8 to $10 per a. A few relinquishments. Did you see "bleeding, alms-receiving Kansas" become the wealthiest state per capita? Only a few hours' west of Salina, no finer soil on earth; 50 schools, 4 banks, churches, best of Colorado. Now. Pamphlet.
R. T. CLINE, Towner, Colo.

80 ACRES IRRIGATED, $6,500.
Close to town and Denver. House, barn and cultivated water right. Fine soil.
L. A. COBB INV. CO., Denver, Colo.

EASTERN COLORADO.
Rich, level, corn, wheat and alfalfa land $10 to $30 per a. Write to or call on
G. W. DINGMAN, Stratton, Colo.

COLORADO—UNCOMPAHGRE VALLEY.
Ideal climate. On D. & R. G. R. R. (The fine water

Meade, Gray and Ford Counties

Good wheat, corn, oats, and alfalfa land. Some farms as low as $20.00, on good easy terms. Agents take notice. CLAY McKIBBEN, Dodge City, Kansas.

ALFALFA LANDS $40 to $50 ACRE

EAST END OF HODGEMAN COUNTY

Very best bottom land, with running water, some timber. Excellent wheat land at $20 to $30 per acre. Come and see or write for list. M. W. PETERSON, Hanston, Kan.

ARKANSAS

FARMS and fruit lands. All sizes and prices. T. A. Bayley, Ft. Smith, Ark.

GOOD corn and rice land. Cheap. Easy terms. See W. P. Cook, Brinkley, Ark.

GOOD fruit and farm land, cheap; terms. S. L. Consalus, Mammoth Spring, Ark.

GOOD fruit, berry and truck land. Price right. Boatright & Weaver, Van Buren, Ark.

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ARKANSAS RIVER BOTTOM plantations, virgin timber lands, small farms. Send for list. Dumas Realty Co., Dumas, Ark.

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17,000 ACRES, all tillable, no rocks, hills or swamps, for sale in small farms in Grant Co. Your own terms, 20 years 6% if desired. Can give employment to purchasers. E. T. TETER & COMPANY, 109 North Victory St., Little Rock, Ark.

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Come to Springdale; PURE, SOFT water, no malaria, mosquitoes, negroes, saloons. 80 acres, good imp., fine dairy proposition, $2,400; 20 acres, poor buildings, 5 a. orchard, 8 a. clover; $1,200.
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To close out the Frank Kendall Estate we will offer 20,000 acres of very fine agricultural cut-over lands located 2 to 10 miles of Pine Bluff, a city of more than 25,000 population. Fine climate. No cold winters; 48 inches rainfall per year. Good schools and churches. These lands are selling rapidly at $15 per acre. See or write
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445 acres; 10 room house, papered and painted; three barns 30x60, basement, 30 ft. posts, 30x60 basement 30x24; granary 24x40; nice orchard; carrying over $8,000 insurance; included 15 Holstein cows, 6 horses, sulky plows, binder, reaper, sulky cultivators, 5 harrows, three farms wagons, sleds, harnesses for teams, cutters, [illegible] ers, [illegible]

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THE BEST cheap land proposition in the United States today. Wheat yielding from twenty to forty bushels per acre, all other crops equally good. Write us for particulars J. N. JOHNSON LAND CO., Dalhart. Tex.

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To everyone purchasing 100 acres of land thru my agency I will give $50. If you buy more you get more. Write for literature and list—all bargains. J. C. Schofield, Edna, Tex.

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HALF THE PRICE
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649 Acres Texas Land

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[illegible]B. PLATT, Owner, Hagerman, N. M.

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BRITISH COLUMBIA. If interested in [illegible]st class land for investment or settlement, [illegible]ite today. Canadian Land Agency, 615-F [illegible]gers Bldg., Vancouver, B. C.

OWN YOUR HOME IN CANADA.
Buy a farm in Sunny Southern Alberta, any size, easy terms. Climate ideal, soil unequaled, no crop failures, no personal tax. Write today.
LYNN W. BARRETT, Aldersyde, Alberta.

OKLAHOMA

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INDIAN LANDS eastern Okla. rain belt. Write J. J. Harrison, Pryor, Okla.

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BARGAINS in Tex. Co. farms. Some exs. Write for list. Harvey Cox, Hooker, Okla.

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POCKET MAP OF OKLAHOMA
for five names of persons intending to change. Caddo county corn and alfalfa land.
BALDWIN & GIBBS CO., Anadarko, Okla.

FOR SALE.
160 a. 1 mi. of small R. R. town, fair improvements, ½ of 140 acres wheat. Price $50.00 per acre, will guarantee investor $500.00 rent.
T. H. FUSS, Medford, Okla.

BARGAIN IN KAY CO. 240 a. smooth black land, 5 mi. market, imp., good water, price $27 a. $2,000 cash, bal. terms. Write Stevens-Cronan Realty Co., Newkirk, Okla.

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30 TO $60 per acre will buy improved and, deep soil, no rock, no hardpan, 42 inch rainfall, adjoining Eufaula on the northwest. Write me what you want. CHARLES WHITAKER, Eufaula, (Eastern) Oklahoma.

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in the best corn and cotton belt of Eastern Oklahoma; 80 to 600 acre tracts, $25 to $60 per acre.
R. B. HUTCHINSON, Checotah, Okla.

RENTERS, OWN YOUR OWN FARM.
I have some good Oklahoma land that can sell for one-fifth down and ten years on balance at 5%; just like rent. If you are a young man, wanting a start this is your chance. Own your own home; don't pay rent. Write me now. W. J. FINCH, El Reno. Okla.

Oklahoma Wants You 500 choice farms for sale. Titles good Easy terms. Soil and climate excellent. Write for list. **Roberts Realty Co., Nowata, Okla.**

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Land $3.00 to $25.00 per a. Prices are steadily advancing—now is the time to buy. If you want a good, cheap home, or a money making investment, write to or call on
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Well improved 80 acre farm, 1 mi. from good railroad town, 50 acres in cultivation, good new buildings, young orchard, city school, good well, price $3,300. $800 down and $400 a year at 5 per cent interest. Inquire at Sun Office, Grove, Okla. Call at once as will be in town only a few weeks.
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SALE—Exchange. E. Kansas lands, etc. Write today. Baylor & Royer, Valley Falls, Ks.

100 A. to trade for 20 or 40 a. close to town and school. Write TRIPPLETT LAND CO., Garnett, Kan.

ANDERSON COUNTY farms for sale or trade. Write for descriptions. Iler & Simmons, Garnett, Kan.

QUARTER or half section sub-irrigated land, San Luis Valley, Colorado. Sale or trade. Box 36, Formoso, Kan.

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

BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick square trades. Graham Bros., Eldorado, Kan.

SOUTH MO. imp. lands for sale and exchange; low prices. Write to or call and see Goff, Sass & Co., Willow Springs, Mo.

BARGAINS in southern Kansas farms. $40.00 to $75.00 per acre. Exchanges. Send for list. N. F. Paulin, Parsons, Kan.

FARMS and ranches for sale or ex. Send full particulars of what you want and where you want it. M. F. Simmons, Kansas City, Mo.

40 A. near best residence district of Wichita to trade for clear western land. H. C. Whalen, 213 Bitting Bldg., Wichita, Kan.

RESIDENCE property in Wichita and 100 acres near Texhoma to trade for herd of cows, brood mares or young stuff. J. K. DUNCAN, Corpus Christi, Tex.

WANT MERCHANDISE for 320 a. alfalfa, wheat and beet farm. 240 under ditch, $65.00 per a. Clear. Owner will put in some cash for No. 1 stock. Box 874, Garden City, Kan.

TOUCH a live wire. Our Red Letter Special will trade your property. List today. Guaranteed deal. Write for particulars. Mid-West Realty Exchange, Riverton, Neb.

FOR SALE AND EX. Impr. and unimpr. land, Trego and Ness Cos.; low prices. Only gilt edge propositions considered. List your land or mdse. W. A. Doerschlag, Ransom, Ks.

E. KANSAS lands, city property and stocks of mdse. for sale and exch. Fully describe and price your proposition in first letter. Harman Farm Agency, Valley Falls, Kan.

160 ACRES, Ness Co., 3 miles R. R. town, all best land well improved, clear, price $4,000. Want small place east, close town, bal. cash or time. Buxton Land Co., Utica, Kan.

INVESTIGATE this: We have dandy impr. 2,720 a. ranch; clear, fine agricultural land; shallow; underflow; trade for rental or income. KYSAR REALTY CO., Goodland, Ks.

FREE—Loose Leaf Exchange Book. It will match your trade. Write Desk A.
E. P. JOHNSON, Ordway, Colo.

BARGAINS in alfalfa and general grain farms, merchandise and income properties. Exchanges a specialty. Send for literature.
J. D. PONEAU, La Cygne, Kansas.

$5,000 IMPLEMENT stock for good Kansas land of equal value.
A. W. BREMEYER, McPherson, Kan.

FOR SALE—Choice wheat, corn, and alfalfa lands, in Clark, Ford, and Meade Cos. Write for list, trades.
NATE NEAL, Real Estate, Minneola, Kan.

22 ROOM HOUSE for sale or trade. This rooming house is in the city of Pueblo, a city of 60,000; has 22 rooms, 16 of them are furnished that goes with the house, and is modern in every way. Rented for $50 per month. Price $10,000. What have you to offer?
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Ozark lands in tracts to suit, $4.00 acre up. List free. Anna E. Hockensmith, Ava, Mo.

FARM BARGAINS
For sale or exchange, any size, price or where. We can match any trade.
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BUY OR TRADE WITH US—Exchange book free. Bersie Agency, Eldorado, Kan.

FOR EXCHANGE.
320 a. creek bottom, alfalfa land, impr., 225 a. in cult., 5 mi. county seat, near school. Address W. J. Williams, Wakeeney, Kan.

LAND FOR MDSE.
200 a. Chautauqua Co., Kansas, $6,000; $9,000 general mdse., want good Kansas land. Write for exchange list.
HUNTER BROS., Independence, Kan.

GOOD BARGAINS IN MISSOURI LANDS.
Now's the time to buy, while lands are cheap. Howell Co. products won 1st prize at Missouri State Fair. We sell, we trade; what have you to exchange? "Write Kirwan & Laird about it." West Plains, Mo.

FARM BARGAINS.
Farms, ranches, city property and merchandise; for sale or exchange, any size, any price, anywhere. Write for large free list.
SEWELL LAND CO., Garnett, Kan.

ATTENTION, TRADERS.
If you have Arkansas land to sell or trade for Okla. land, or mdse. to trade for land in the famous fruit belt of No. Ark., let me hear from you at once. Will go there in January. R. S. COX R. E. CO., Guymon, Okla.

FIRST CLASS HOTEL FOR SALE.
20 rooms in the best small new town in south Florida. New and modern, completely furnished, good water connections in house. A rare opportunity for a hustler. FLORIDA DEVELOPMENT COMPANY, Davenport, Fla.

WANT TO RETIRE.
Will sell my 1,640 acre ranch all stocked, everything in first class shape, 320 irrigated, (house modern), would accept small place as part payment and one half the crops and one-half increase of stock until paid for. State what you have to buy with, enclose stamp. C. F. FAY, Haigler, Dundy Co., Neb.

FOR EXCHANGE.
Improved 160 acres, bottom land in Allen Co., Kansas, worth $12,000.00, will exchange for mdse. or hdw. in North Missouri, Ill., or East Iowa. Also good 200 acres and 80 acres at a bargain for cash, easy terms, good homes and fine land. Write for fuller description if interested.
WILSON & RESSEL, Colony, Kan.

Finely Improved 80 Acres

Alfalfa land; adjoins town; $60 per a. Write for complete description.
FOSTER BROS., Independence, Kan.

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.

Investor

Do you want to purchase or trade for land that grows big corn and 7 crops of alfalfa per annum? If you do, call on or write
W. E. WILSON, Walters, Okla.

SEDGWICK COUNTY CORN AND ALFALFA FARMS

Butler county farms and grazing lands for sale and exchange at lowest cash prices. Can guarantee a profit on any investment made through us. Write us today.
The Leach Realty Co.
401 East Douglas Ave., Wichita, Kansas.

For Sale or Exchange

13 lots in St. Joseph, Mo., South 22nd St., between Oak and Cedar, 8 room modern dwelling, 4 room cottage, brick cave, barn, cistern, shade, good location and repair. Price $14,000.00. Incumbrance $6,200.00. Two lots Maysville, Mo., small improvements, $2,200.00. Incumbrance $500.00. Also $4,200.00 1st mortgage, 313 acres in St. Clair Co., Mo., 2 yrs. 6%. Equity in all or part for equal value in land or merchandise. Submit your offer. W. L. BOWMAN REALTY CO., Kansas City, Mo.

MARKET PROBABILITIES

Prices for Cattle Came Back With a Rebound After Setback Prior to Holidays—Light Supplies Will Hold up the Market—Hogs Have Rallied Too and Sheep Made a New High Mark for 1912—Grain, Hay and Broom Corn Quiet

[Written Specially for the Farmers Mail and Breeze.]

Cattle receipts on Monday were about as expected, and the bulk of the offerings at all markets were quoted steady. Toward the close however, the market weakened. Buyers say that the trade is in no condition for liberal supplies.

The past two weeks have shown extremes in the movement of cattle. Last week the total receipts at western markets were but little better than 70,000, or nearly 100,000 short of the preceding week. Wednesday was a holiday at all the important markets and this tended to reduce supplies, but the decline of the preceding week was the principal factor in the reduced movement. Prices consequently bounded up as rapidly last week as they were depressed in the preceding week, and quotations of the third week in December could be eliminated, except for comparisons, and the market last week would compare favorably with the second week in December. Last week's advance is quoted at 40 to 75 cents, the greatest showing being at the 50 cent rise. The bulk of the advance came on Monday and Tuesday, and Thursday and Friday there was a weaker feeling. To get the benefit of the recent rise in prices shippers should nurse the market with continued light supplies, as the season is still in the holiday shadow, and big killers are not willing to broaden out along any line until after the first of the year. Cold weather will help the beef trade materially, and following the holidays there is always a changing from fowl, fish and other meats to beef. The past holiday trade, unless over stocked, should be in a healthy condition. In the quotation line the market shows a range of $9 to $9.50, possibly a quarter more, for prime kinds. For 40 to 90-day fed steers sales range from $8 to $8.95 and for warmed up kinds $7 to $8. Under $7 quality and flesh are both very uncertain.

Individuality in Cow Market.

The trade in cow stuff continues to move along almost established lines and last week turned up to the high level of the season. In the two weeks fluctuations have amounted to only 15 to 25 cents. Meager supplies, with no indication of larger receipts in the next few weeks, is the sustaining influence. The market for cows is quoted at $3.50 to $7.50, and heifers $4 to $8.50, though prime grades in both lines would bring higher prices if available. Calves are selling at $6 to $10.50, and bulls $4 to $6.50. Country butchers say that this has been a hard season for them to get supplies, as farmers as a rule are saving their odd cattle, and young heifers. Formerly, the cattle left over after shipment went to the local butchers.

Quiet Stocker and Feeder Trade.

In keeping with the holiday season, few country buyers were on the market last week. Receipts were correspondingly small, and the bulk of the business was done on order buying. This was of fair volume everything considered and prices rose 15 to 25 cents, but were not above the same level as two weeks ago. The Panhandle has comparatively few thin cattle to market, and will probably reserve that class until spring. Mixed cattle are in fairly active demand.

Hog Prices Rally Strongly.

Hog prices were up at all markets the first of the week except at St. Louis, where they fell back moderately. The top price in Chicago was $7.55; in St. Louis $7.50; in Kansas City $7.45, in St. Joseph $7.35; in Omaha $7.25.

Light receipts last week were an incentive to packers to buy hogs and prices rose 25 to 30 cents, compared with the low level of the preceding week. A break in provisions on Friday however caused the market to close under the high level of the week. As high as $7.75 was paid in St. Louis, $7.65 in Chicago, and $7.55 a top at other markets. Opinion is much divided as to the future course of the market. Provisions have been sagging for some time past, and some of the packers say they expect a big run after the first of the year. Average weight is showing an increase over a year ago. While these are the principal bear arguments, those who believe in higher prices assert that the farmers lost more hogs in the past six months from sickness than is estimated, also that the movement since the first of November has been a drain on future supplies. This last point has been verified to some extent in the past week when eastern shippers began trading again in Chicago. The general idea therefore is that eastern markets have gathered in the winter crop of hogs and will have to look to the West for supplies. The general market shows no decided bear features. Trade to an unusual degree has been on a fresh pork basis, and no accumulation has occurred in stocks of meats. Packers will have only January and February to count on for lard and barrel pork. Prices are not unusually high considering the prospects for receipts.

While cattle and hogs were fighting to regain some of their lost prestige, sheep shot into a new high position for the year. At the advance lambs made $8 to $8.75, yearlings $7 to $7.40, wethers $5 to $5.50, and ewes $4.50 to $5. The heavy mutton grades were comparatively the lowest, but the light weight muttons that could be used as "breakers," which means lamb price in wholesale meat markets, were cleaned up readily at the advance. Light receipts were the cause of the advance, which figured from the low point in the preceding week amounted to 50 to 75 cents. Many traders believe that the rise in prices is permanent, that is it will last through the season for fed stuff, and after the first of the year go higher. Demand for mutton all fall has been broad owing to the comparatively low price for that meat. Both wool and pelts continue to help out killers in the expense column, so that an advance seems more logical than a decline.

The Movement of Livestock.

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	19,550	26,250	12,050
Chicago	28,500	107,000	74,000
Omaha	6,500	22,600	21,300
St. Louis	14,500	37,300	7,250
St. Joseph	4,100	22,400	2,300
Total	73,150	215,550	116,900
Preceding week	165,650	299,300	224,000
Year ago	95,800	289,900	151,525

The following table shows receipts of cattle, hogs and sheep at the five western markets, Monday, December 30, together with totals a week ago, and a year ago:

	Cattle	Hogs	Sheep
Kansas City	15,500	7,000	5,000
Chicago	21,000	39,000	38,000
Omaha	6,000	5,000	13,000
St. Louis	5,600	13,000	6,500
St. Joseph	1,900	4,600	1,200
Totals	50,000	68,600	63,700
A week ago	26,000	52,600	41,000
A year ago	28,300	47,000	34,450

The following table shows a comparison in prices on best offferings 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..	$8.50	$8.60	$7.60	$6.25	$7.20	$5.60
Kan. City	9.25	8.60	7.50	6.10	7.50	5.75

Equine Trade Out of the Ordinary.

Both St. Louis and Kansas City last week were busy filling a big southern order for horses and mules. This gave the market the appearance of unusual activity for this season of the year. Most of the mules were bought at Missouri points and assembled at Kansas City and St. Louis for southern shipment. The average cost of the 1,000 mules shipped was upwards to $200 a head, and the 400 horses around $125 a head. The general market was quoted firm. There was some eastern demand. A good clearance was reported at all of the barns.

Grain and Hay Trade Quiet.

Demand for all feed stuff continues quiet for this season of the year. Usual outlet avenues which have been filled with grain feeds at this season are still utilizing rough feed, and at the same time the low prices have prevented a heavy movement of grain to markets. Price changes were confined largely to fluctuations. Hay is coming freely, especially alfalfa, and the market is weak on all but the choice kinds. Demand is said to be fairly broad but buyers are cautious about accumulating any large holdings.

The following prices prevail for grain in Kansas City and St. Louis.

Wheat—	Kansas City	St. Louis
Hard No. 2	$ .85 @ .90	$ .89@ .93
Soft No. 2	1.01½@1.05	1.06@1.09
Corn—		
White No. 2	.46 @ .46½	.48@ .49
Mixed corn	.46 @ .47	.44@ .45
Oats—		
No. 2 white	.34 @ .35	.34@ .34½
No. 2 mixed	.33 @ .33½	.33@ .33½

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	
	1913	1912	1913	1912	1913	1912
Chicago	$1.10	$1.09	47½	62	34¼	48¾
Kan. City.	1.06	1.05	45	67	40	48½

Broom Corn Trade Dull.

Trading in broomcorn in the past week was practically at a standstill. Holidays kept buyers away, and at the same time kept growers from offering their corn. The general position of the market and prices is unchanged compared with a week ago. Choice grades still claim a big margin over other classes. Choice, green, selfworking corn is quoted at $90 to $100 a ton; fair to good selfworking $50 to $85 a ton; common to fair selfworking $20 to $45 a ton.

Broom corn growers this year according to Hugh E. Thompson of Kansas City, have had their troubles. At the harvesting time in Oklahoma some of the best corn was treated with a 7-inch rain in less than a week, and that was followed by a heavy wind which blew a large amount into the mud. Choice corn therefore has been very scarce, and the market tells the story in quotations of $20 to $100 a ton. Growers, too, were spoiled by the high prices that prevailed in 1910-11, and some have not been able to accomodate themselves to the low price range this fall.

Kansas City Hay Quotations.

Prairie, choice	$12.00@12.50
Prairie, No. 1	10.00@11.50
Prairie, No. 2	8.00@ 9.50
Prairie, No. 3	6.50@ 8.00
Timothy, choice	13.00@13.50
Timothy, No. 1	11.50@12.50
Timothy, No. 2	8.50@11.00
Timothy, No. 3	5.50@ 8.00
Clover mixed, choice	12.50@13.00
Clover mixed, No. 1	11.00@12.00
Clover mixed, No. 2	9.00@10.50
Clover, choice	12.50@13.00
Clover, No. 1	11.50@12.00
Clover, No. 2	10.00@11.00
Alfalfa, choice	16.00@17.00
Alfalfa, No. 1	14.50@15.50
Alfalfa, No. 2	11.50@13.50
Alfalfa, No. 3	8.00@10.50
Straw	5.00@ 5.50
Packing hay	5.00@ 5.50

Seeds.

Kafir corn, No. 2 white, 86c a cwt.; No. 3 white, 85c a cwt.; alfalfa, $9@12 a cwt.; flaxseed $1.05 a bushel; timothy, $1.50@1.75 a bushel; cane seed, 90c@$1.00; millet seed, 95c@$1.15.

Livestock Prices in Kansas City.

The following prices are quoted on the Kansas City market. Beef steers good to choice $8 to $9, fair to good $7.50 to $8, common $6.50 to $7.40. Quarantine steers $4.50 to $7.50; native cows and heifers $4 to $8.50, calves $4 to $10, stockers and feeders $5 to $7.50, bulls $3.75 to $6.25.

Hog prices yesterday were 10 to 15 cents higher than a week ago. Light weights are quoted at $7 to $7.25, mixed $7.05 to $7.30 and heavy $7.15 to $7.35. The high market fell on Thursday, top $7.55.

The following table shows the range in prices of hogs last week and in the preceding week:

	Last week	Preceding wk.
Monday	$7.00@7.42½	$7.00@7.32½
Tuesday	7.10@7.45	6.90@7.25
Wednesday	Holiday	6.95@7.32½
Thursday	7.20@7.55	7.00@7.35
Friday	7.15@7.55	7.00@7.35
Saturday	7.00@7.35	7.00@7.35

Sheep prices are up 40 to 75 cents compared with a week ago. Lambs show the greatest advance. Choice lambs are quoted at $8 to $8.50, yearlings $6 to $7.10, wethers $4.50 to $5.25, ewes $4 to $4.75.

The following table shows receipts of cattle, hogs and sheep in Kansas City thus far this year and the same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	1,919,421	2,119,953	.....	200,532
Calves	202,476	245,273	.....	42,797
Hogs	2,497,496	3,145,249	.....	647,753
Sheep	2,121,678	2,165,261	.....	43,583
H. & M.	72,993	84,191	.....	11,198
Cars	120,627	140,243	.....	19,616

Livestock Prices in St. Louis.

Cattle prices last week were advanced 40 to 65 cents. Native beef steers are quoted at $5 to $10, cows and heifers $4 to $8.75, stockers and feeders $5.25 to $6.75, Texas and Indian steers $5 to $7.90, cows and heifers $3.65 to $5, calves $4 to $10.50.

St. Louis continues to lead other markets in hog prices. Pigs and light weights are quoted at $6.35 to $7.50, mixed and butchers $7.35 to $7.65, heavy $7.50 to $7.65. These quotations are about 30 cents higher than a week ago.

Choice lambs are quoted at $8 to $8.75, and plain to g od $6.25 to $8, yearlings $6 to $7.35, wethers $4.25 to $5, and ewes $3.75 to $4.50. Receipts were light last week, and demand was active. Prices are 50 to 75 cents higher than a week ago.

The following table shows receipts of cattle, hogs and sheep in St. Louis thus far this year compared with the same period in 1911.

	1912	1911	Inc.	Dec.
Cattle	1,181,753	1,056,446	125,317	.....
Hogs	2,468,573	3,056,315	.....	587,741
Sheep	1,034,775	977,060	57,715	.....
H. & M.	159,327	169,153	.....	9,811
Cars	82,876	86,909	.....	4,033

St. Joseph Livestock Quotations.

Beef steers choice to prime $8.50 to $10, fair to good $7.25 to $8.25, common to fair, $6 to $7.25, cows $3.75 to $7.25, heifers $4 to $8, calves $5 to $9.50.

Hogs—Lights $7 to $7.25, mixed $7.05 to $7.30, heavy $7.20 to $7.30, bulk of sales $7.30 to $7.27½.

Sheep prices here showed about the same advance as elsewhere. Receipts were small. Lambs are quoted at $6.75 to $8.50, wethers $4.50 to $5, ewes $3.75 to $4.50.

The following table shows receipts of livestock in St. Joseph thus far this year compared with the same period in 1911.

	1912	1911	Inc.	Dec.
Cattle	491,083	508,987	.....	17,906
Hogs	1,944,964	1,883,308	61,656	.....
Sheep	723,456	699,415	24,041	.....
H. & M.	38,252	41,779	.....	3,527

Butter, Eggs and Poultry.

Elgin, Dec. 30.—Butter this week is firm at 34 cents.

Kansas City, Dec. 30.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 23@23½c a doz.; seconds, 13½@15c; storage eggs, April, 17@18c.

Butter—Creamery, extra, 33½@34c a lb.; firsts, 31@31½c; seconds, 29@29½c; packing stock, 20c.

Live Poultry—Broilers, 14@15c a lb.; spring chickens, 12c; hens, 10½@11½c; young roosters, 9@9½c; old roosters, 8c; young turkeys and turkey hens, 16@16½c; old toms, 13@14c; cull turkeys, 7@8c; ducks, 13c; geese, 10@11c; pigeons, 75c a doz.

Produce Prices Now and One Year Ago.

(Quotations on Best Stock.)

	Butter		Eggs		Hens	
	1913	1912	1913	1912	1913	1912
Chicago	35	36	24	33	12½	14
Kan. City..	34	36	23½	34	11½	12

LOUISIANA

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is the best place for a tenant farmer that only has a little money to own a farm. Rich fertile soil—Ample rainfall.

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Good water, fine alfalfa and corn land, ample rainfall. 11 railroads. 160 miles from overflow district. Iowa, Missouri, Kansas, Nebraska and Oklahoma people living here and all satisfied. Shreveport, best town in state, center of oil and gas belt, by far the best lands in the South. $10 to $50 an acre. Improved and unimproved. Buy your ticket to Shreveport, the key of the South.

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There is Lots of Louisiana Land That Will Produce Three Times Its Cost Every Year

Louisiana is in a class by itself. For rich land, big crops, low prices. It makes no difference if you are rich or poor, an owner or tenant, where you live, or what you are interested in, Louisiana offers you more opportunities, more show to get ahead, bigger returns for your work and investment, than any other section on the North American continent, barring none.

We have soil here that is so rich it could be used to fertilize your northern farm. We can raise the biggest kind of crops of corn and alfalfa; fatten hogs and cattle for half the money it costs in North or Middle West, and this land can be bought from $10.00 to $25.00 per acre.

We have issued a nice illustrated booklet with a number of fine photo engravings showing the splendid growing crops of this country. It tells FACTS in big letters about this section in a simple and a plain way. It is free to you just for the asking. Every farmer should read this book for the information undoubtedly will prove to be of great value to you; it probably will give you the opportunity of making an investment, the best you ever made in all your life. Farm for yourself; farm in Louisiana and particularly farm in Alexandria district. Sit right down now and write us a letter for full information about this most wonderful section of the country.

COOK-ALEXANDER LAND CO.,
Alexandria, Louisiana.

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WE WILL sell you land and allow you to pay nearly two-thirds of the purchase price from one-half of the proceeds from the sugar cane crop, and contract for all the cane you raise at a price that will net you $63 per a. Write for particulars. HOWARD-PACKARD LAND COMPANY, Sanford, Fla.

COME and go to Florida with us January 7th and select a winter homesite near Clermont, Lake county. High rolling productive land. This land adjoins beautiful clear water lakes, and has plenty of Grape Fruit and Orange Groves located upon and adjoining. The Groves are now loaded with ripe fruit. Don't wait; go now. Later, the fruit will all be picked. Write for illustrated booklet. Good agents wanted. Address H. D. GOSSARD, 227 New York Life Bldg., Kansas City, Mo.

FLORIDA.

Kissimmee Valley prairie for a desirable place to live and make a home. Go with me January 7th and see for yourself. For maps and particulars write G. I. SMITH, New Wellington Hotel, Wichita, Kan.

Oil Mills the Big Feeders

"In sections of Oklahoma where the corn was short this year are located big cotton seed oil mills and they are feeding the bulk of the cattle," said C. C. Hickson, of Guthrie, Okla., last week. "Meals and hulls are cheaper than last year, but it has been hard to get the cattle at reasonable prices. If outside farmers in that state attempted to get cattle to feed, no telling how high prices for thin stuff would be."

Cut out the Middle Man's profit by selling your empty bags to the Fredonia Linseed Oil Works, Fredonia, Kansas.—Advt.

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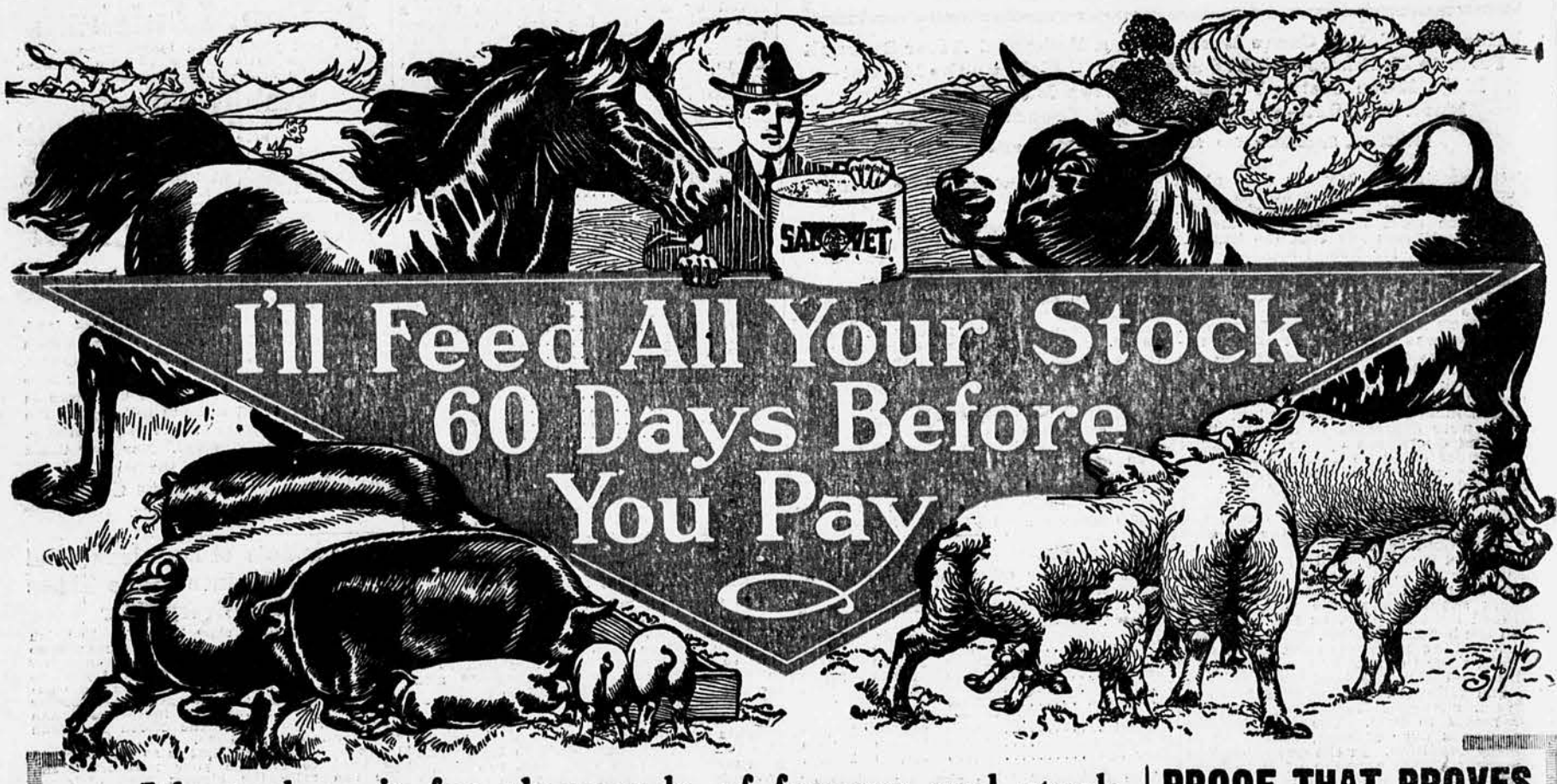
To Readers of Farmers Mail and Breeze.
—*S. R. Feil*



I have done it for thousands of farmers and stockmen—I am doing it every day—I'll do it for you. All I ask is the privilege of sending you enough Sal-Vet to last all your stock 60 days. If it doesn't do what I claim I'll gladly cancel the charge.

The Great Worm Destroyer **SAL-VET** ***The Great Live Stock Conditioner***

I simply want to show you what a remarkable change Sal-Vet will work on your sheep, your hogs, your horses and cattle. I want to show you how it will improve their condition—make them thrive better—look better—put on more flesh and above all ***get rid of the worms and parasites,*** which are the biggest drain on your stock profits. After you see the wonderful results Sal-Vet produces, you will be only too glad to pay its small cost and order more.

Remember, I don't ask a penny of pay in advance. I prove all my claims first.

Your Stock Will Doctor Themselves

S. R. FEIL, Pres.
Reg. Pharmacist and Graduate of the Nat'l Institute of Pharmacy.

No Drenching—No Dosing—No Mixing—No Trouble at All

Simply place the Sal-Vet I send you where all your farm animals can run to it freely, and they will quickly rid themselves of stomach and free intestinal worms. I want you to see with your own eyes before you pay me one penny how Sal-Vet will save your sheep, how it will save your hogs, how it will protect your stock against deadly plagues, how it will make all your farm animals look better and put on more flesh with no more feed. I want you to see how it will do all these things for you by first getting rid of the blood-sucking, life-sapping, disease-breeding worms and then by putting your stock in the pink of condition. That's why I make you this unusual offer.

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Read the letters at the right from grateful farmers and stockmen who accepted my open offer. See how Sal-Vet stopped their losses and increased their profits, how it rid their stock of the deadly worms—how it prevented losses when contagious diseases were all around them. It will do as much for you. All I ask is that you fill out the coupon—tell me how many head of stock you have, mail it to me and I will ship you enough Sal-Vet to last your stock 60 days. You simply pay the freight charges when it arrives, and at the end of 60 days report results. If Sal-Vet does not do what I claim — if it does not rid your stock of the deadly stomach and free intestinal worms, I'll cancel the charge — you won't owe me one penny. Mail the coupon today. Address:

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Ship me enough Sal-Vet to last my stock 60 days. I will pay the freight charges when it arrives, report results in 60 days, and will then pay for it if it does what you claim. If it does not, you are to cancel the charge.

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P. O.....

Shipping Sta.....State.....

Number of Sheep.....Hogs.....

Cattle.....Horses.....

PROOF THAT PROVES
FROM ACTUAL USERS

"When your 'Sal-Vet' arrived, my hogs were sick and dying. In less than 10 days they were all right and are now doing finely. I will not be without 'Sal-Vet' again."—S. B. Wallace, Ainsworth, Iowa.

"I am very much pleased with the results from feeding Sal-Vet. I have had no sick hogs, while my next neighbor has lost over thirty from cholera. I surely will never be without Sal-Vet on my place again."—Roy C. Truitt, Lincoln City, Del.

"Hog cholera has been all around me, and I have not had one sick hog. I cannot praise Sal-Vet too highly, and I do not hesitate to recommend it to all hog raisers."—(Signed) A. O. Kellogg, Troy Grove, Ill.

"I just finished feeding the 200-lb. barrel of Sal-Vet. My hogs are the only ones left in this immediate locality. I haven't lost one."—James F. Martin, Little York, Ill.

"A great many horses have died in this vicinity of the horse disease, but I have not heard of any having been afflicted with it that had access to Sal-Vet. I, myself, have been feeding it to eight head of horses, and they are now—and have been right along—in the best of condition and working every day."—J. M. Shrader, Dunning, Nebr.

"It (Sal-Vet) certainly knocks worms out of sheep and horses. I have a colt that was not doing well. After feeding Sal-Vet a short time, he passed so many worms, both white ones and little red ones, that it did not seem possible that he could have lived with so many inside of him."—(Signed) F. F. Yarian, New Wilmington, Pa.

"All last winter I used Sal-Vet for 2,500 head of yearlings, and can not find words to say the good things about it that I would like. However, I believe Sal-Vet to be the best thing in the world to keep sheep in a healthy condition and in excellent appetite."—Svend Mauland, Big Timber, Mont.

"'Sal-Vet' is a great worm destroyer. Since feeding it to my hogs and sheep I have never had a healthier bunch of stock in my life. There has not been a single case of thumps among my hogs since feeding 'Sal-Vet,' although this condition prevailed previous to that time."—R. V. Craven, Rt. No. 4, Albany, Mo.

"I found 'Sal-Vet' to do just what you said it would; it is sure death to worms. Moreover, although the cholera has reached throughout this neighborhood, I have not had a single loss since feeding 'Sal-Vet.'"—Joe Gahimer, Alexandria, Ind.

"Your Sal-Vet has wrought a wonderful improvement in my thoroughbred Hampshires as well as in the case of my other stock. I would like to see more farmers use this great conditioner and worm destroyer, as I know it would pay them to feed it."—A. J. Dvorak, Madison, Nebr.

Sal-Vet Is Endorsed by Leading State Experiment Stations

"We have been using Sal-Vet for the past two years; to tell the truth, we are somewhat surprised at the good results we have secured with it. We consider it a vermifuge of considerable merit."—John M. Evvard, Experimentalist, Iowa State College.

Sal-Vet is also used and endorsed by the experiment stations in the following states:

TENNESSEE, NORTH CAROLINA, TEXAS, IDAHO, CALIFORNIA, OKLAHOMA, CONNECTICUT AND ALABAMA.

PRICES: 40 lbs., $2.25; 100 lbs., $5.00; 200 lbs., $9.00; 300 lbs., $13.00; 500 lbs., $21.12. No orders filled for less than 40 lbs. Never sold in bulk; only in Trade-Marked Sal-Vet Packages.

Sixty-day trial shipments are based on 1 lb. of Sal-Vet for each hog or sheep and 4 lbs. for each horse or head of cattle, as near as we can come without breaking regular packages.