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In This Issue

The Nation's Greatest Peril
Senator Capper

Let's Consider The Future
F. B. Nichols

Winning With The Shorthorns
G. C. Wheeler

From A Quarter Acre—\$4200
Ray Yarnell

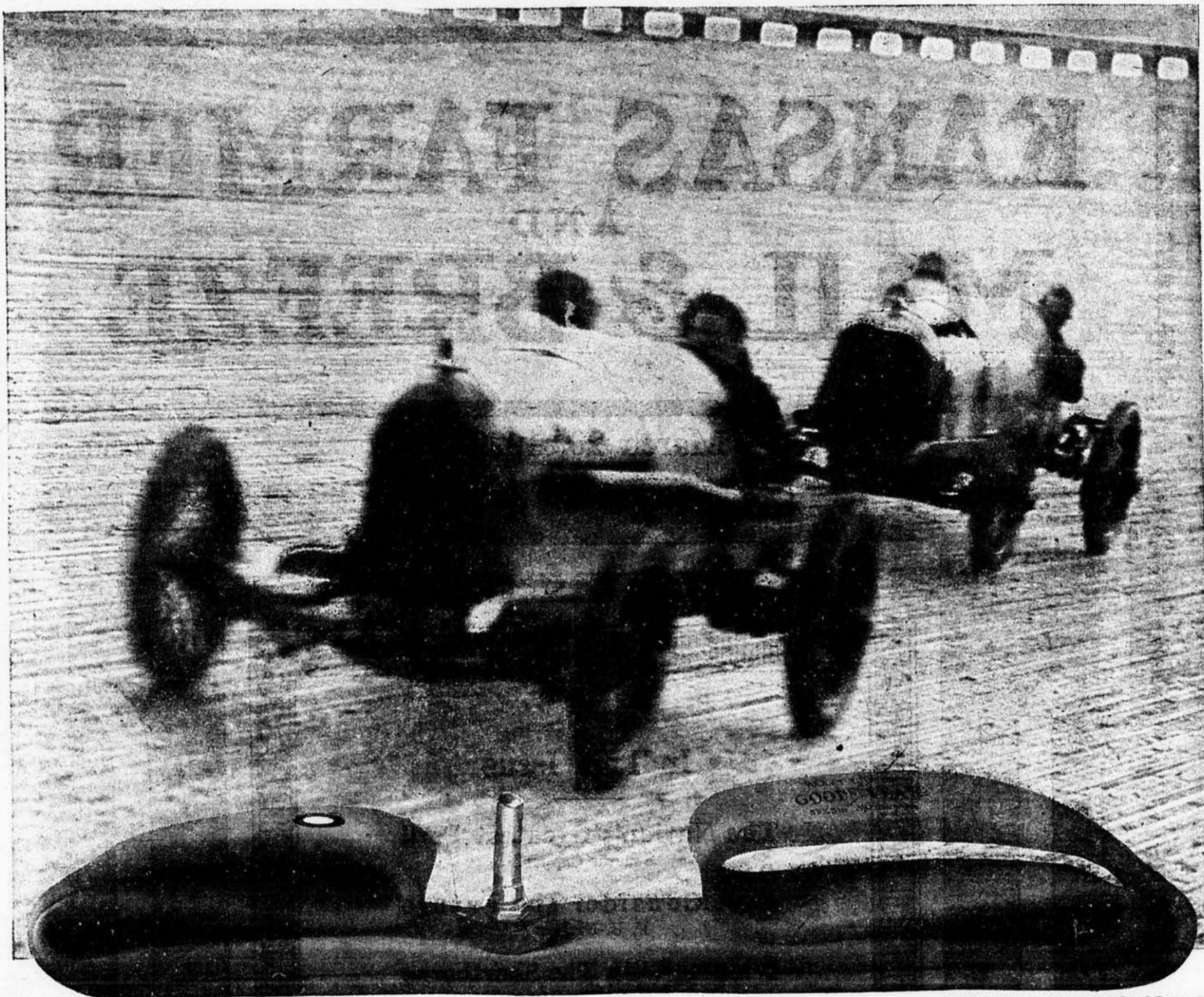
Cropping Systems That Pay
A. C. Hartenbower

Flat Lands Need Drainage
John W. Wilkinson

Easter Brings New Styles
Stella G. Nash

Get the Brooder Ready Now
H. L. Kempster





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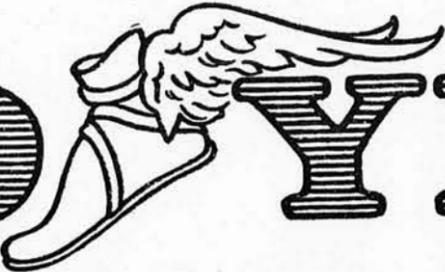
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GOODYEAR

HEAVY TOURIST TUBES

Winning With Shorthorn Heifers

Members of the Riley County Calf Club are Making Excellent Progress in Their Contest, Which Ends in May

By G. C. Wheeler

THE BOYS and girls in the Riley County Calf club are greatly pleased with the success they have had in feeding and caring for their calves. Pride in the ownership of a choicely bred Shorthorn heifer is making play of what might be considered disagreeable work. There are 24 members in this club and all are full of enthusiasm.

In company with W. A. Cochel, field representative of the American Shorthorn Breeders' association, I recently spent a most enjoyable half-day among the members of this Riley County Calf club. No one could make such a trip and witness the enthusiasm with which the members told of their achievements and asked questions on feeding and management without being convinced of the value of club work in building character and habits of thrift into the lives of progressive farm boys and girls.

On a 50-acre farm up the Blue River a few miles from Manhattan we found Charles Allen, a boy 14 years old, unloading and stacking some corn fodder with the help of the eldest of his seven sisters. There was not the slightest indication that he felt abused because he had to work on this Saturday holiday, while other boys might be playing. His heifer was in the yard with some other cattle, and he hastened to put a halter on her, meanwhile explaining that he didn't have much time to train her in leading because he was so busy.

How He Bought Feed

We asked Charles what his father was charging him for the feed his heifer consumed, and he replied that he was paying for it by hauling fodder and doing other chore work about the little farm while his father worked away from home. He also is earning \$5 a week building fires in the school-house furnace and carrying out the ashes. Looking into the future, one might easily see this boy as a constructive breeder of improved livestock, who would date the beginning of his career back to the time when he had made play of work because he was acquiring the ownership of a choicely bred Shorthorn heifer.

A few miles farther up the Blue we visited Everett White. Everett's heifer was broken to lead and he proudly led her out to pose for a picture. Mr. White is keenly interested in his boy's undertaking. He asked if it would be desirable to breed this heifer to a new bull his neighbor, Lank Estis, had just purchased. Mr. Cochel knew all about this bull, for he had been instrumental in putting Mr. Estis in touch with his former owner in Greenwood county, and the two men had made an exchange of herd bulls to their mutual advantage. "His sire is Lord Avondale, one of the best bred bulls of the breed," said Mr. Cochel. "You couldn't go wrong in breeding this heifer to such a sire." This conversation pointed to the beginning of a purebred herd on this rented farm, perhaps with the father and son as partners in the firm. The average cost of the heif-

ers distributed to the members of this club was \$150. They were grouped in classes, the heifers in the highest priced class costing \$165. Mr. Cochel, who purchased the calves, set his mark high, believing it worth while to start a group of young people with animals any breeder would be glad to have in his herd.

The club was financed by the banks of Manhattan, every boy or girl giving a note at 6 per cent interest for the purchase price of the calf drawn. On the day the calves were distributed, November 8, they were placed by competent judges in the order of their merit from No. 1 on down to No. 24. After the calves were grouped and valued, the boys and girls drew numbers, each getting the calf correspond-

ing to the number drawn. They are all to be entered in a sale to be held during Commencement week at the Agricultural college by the Kansas Shorthorn Breeders' association. Forty carefully selected animals are to be consigned to this sale in addition to the 24 club heifers. Every club member is privileged to bid on his own calf, if he wishes. Breeders will be asked to bid strictly on a business basis, so the value of a heifer as it is appraised in the auction ring will be a true measure of its worth. It would be most unfortunate to mislead any boy or girl as to just what had been accomplished. In some instances ambitious breeders have bid club animals up to fictitious values, thus giving young people an entirely wrong impression of the livestock business.

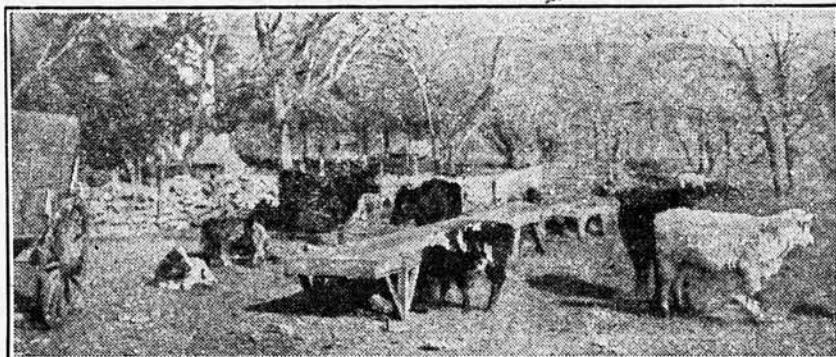
That good feeding and care go with quality animals is one of the first lessons to be learned by beginners in handling improved livestock. The members of the Riley County club evidently are well grounded in this fundamental principle. Every calf seen had made good gains and was in a thrifty, growthy condition. This is an indication of good leadership and Mr. Cochel is to be commended for his success in getting the members of this club to feed their calves as purebred animals should be fed. Everett White's heifer weighed 640 pounds, January 29, the day she was 1 year old. She weighed 450 pounds November 8, so she had made a gain of 190 pounds in 82 days, or at the rate of more than 2 pounds a day. None of the other calves seen had been weighed, but some apparently had made even better gains. At every place visited the question of feed came up, the club members telling what they were feeding and eagerly asking for suggestions.

A Very Good Herd

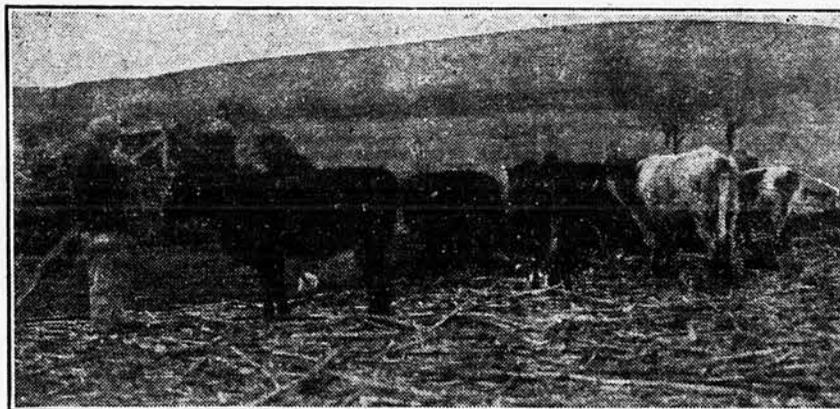
Just before the noon hour we headed up a little creek leading into the hills of Pottawatomie county, and after following the winding road until it almost ran out, we came to the Springer farm where there are two club members, Carrol, aged 12, and his sister, Clara. Here we found the beginning of a good purebred herd headed by a white bull purchased at the American Royal Shorthorn sale last fall. We gladly accepted the invitation to dinner, and after the meal went out to see the heifers, accompanied by the whole family. While we were at the table Clara had slipped out, and on her return we charged her with making an inspection of her heifer to be sure she was properly curled and primped for visitors, to which charge she blushingly plead guilty. Carrol and an older brother have been running a line of traps in partnership and they have made enough money from the sale of furs to pay off the note when it comes due.

A walk of half a mile over a bluff and down into a sheltered valley brought us to a typical livestock farm where cows and baby calves were lying down on the sunny side of the slope, forming a perfect picture of

(Continued on Page 47.)



The Cattle on the Pittman Farm Were Enjoying Life in a Lot on a Sunny Slope Well Protected From the Wind.



Charles Allen, a Boy Who is Developing Into a Constructive Shorthorn Breeder, and His Heifer Which Has Made Good Gains.



A Quality Shorthorn Heifer Owned by Everett White; This Calf Will Make a Good Record in the Sale to be Held in May.

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JOHN W. WILKINSON and G. C. WHEELER, Associate Editors

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Passing Comment—By T. A. McNeal

THERE is a land selling boom on in the Central states and Middle West, that is difficult for me to understand or explain. While farmers everywhere are complaining that they have been discriminated against in the matter of government price fixing, and also that on account of the great rise in prices of labor, farm machinery and general cost of production, they are making very little and in many cases losing money on farming operations, the price of farm lands continues to bound upward.

One would naturally suppose that if the business of farming is unprofitable the prices of farm lands would not advance but rather would decline. Men do not, as a rule, care to invest in unprofitable business. The fact is, however, that farm lands have appreciated in price to a greater extent than almost any other kind of property. This is especially true in the Middle West and in the Central states of Ohio and Indiana. Perhaps, nowhere has there been such a phenomenal advance in the price of farm lands as in the state of Iowa, where good farms sell for four or five times as much as they could have been sold for six or seven years ago. Sales of farm lands in that state at \$500 an acre are not uncommon and some farmers refuse to sell even at that price.

A case is cited of a farmer who was offered \$80,000 for his quarter section of land in Iowa, and of an Illinois farmer who disposed of his land at the rate of \$600 an acre. The Iowa farmer who refused the offer of \$500 an acre gave as a reason that the farm suited him. He had lived on it nearly all his life; had improved it and erected comfortable, modern buildings. He expected to follow the business of farming as long as he lived and was better contented on this place than he would be anywhere else. Was he wise or foolish?

Well, it depends on what view you take of it. If the price of farm lands is going to continue to aviate then the old farmer was wise, for if he expects to continue in the farming business presumably he could not buy another farm that suited him as well as this, without having to pay even more for it than he would get for his present farm.

It must also be remembered that he would have to report to the income tax collector the difference between the reasonable value or selling price of the farm in 1913 and the price at which it would have sold had he accepted the offer. His farm in all probability would not have sold in 1913 at more than \$100 an acre, and probably he had not put more than \$10,000 on the place in the way of improvements. Assuming, however, that his land would have sold for \$16,000 in 1913 and that he has invested \$10,000 in improvements, his profit on the sale would have been \$54,000, on which he would have had to pay the government approximately \$10,000, so that he would have received for his farm \$70,000 instead of \$80,000.

As I have said, if land prices are going to continue to advance or even hold up to present prices this farmer was wise in refusing to sell. But will land prices continue to advance, or hold up to present rates? Of course I do not know. If, however, the complaints of farmers are well founded, then present land prices are too high and must recede, for sooner or later the selling price of land which is only useful for farming purposes, will be fixed by the amount it will pay on the investment.

Of course this rule does not apply to land under which there is, or is supposed to be, mineral or oil. That land will have a speculative value that has no connection with its production as a farm. I never have been able to quite understand the psychology of a boom anyway. Those of us who remember the marvelous town boom of the '80s which spread all over the country wonder now what caused it or what kept it up so long. The town of Wichita, for example, laid out enough territory in town lots to supply a city as big as Chicago and the lots sold at fabulous prices. Now certainly no sane person really believed that Wichita ever would be as large a city as Chicago or even a tenth part

as large, at any rate not for many years. Therefore it was entirely evident that there could be no permanent demand for more than a tenth part of these lots. Yet people went on buying and selling them just as if there was really a legitimate demand.

The time came, however, when the boom burst and then the lots were worth a little less than they might be expected to be worth for farming purposes. Unless the experiences of the past supply no criterion for the future, this extraordinary boom in prices of farm lands will burst and there will be a reaction.

If this proves to be true the Iowa farmer was not wise in refusing to sell. He should have taken the \$70,000 net, invested it in safe interest-bearing securities, then waited until the prices of land receded and then buy his old farm back at \$15,000 or \$20,000 less than the price for which he sold it.

What People Are Thinking

IF YOU are laboring under the impression that the women are taking no interest in politics, get it out of your head. I am receiving fully as many letters from women as men concerning the political situation, and let me say that the women are going to cut a figure in the next election.

Here, by way of example, is a letter just received from Mrs. W. E. Stice of White City, Kan., who has some very positive opinions about a good many public questions. First and foremost she is opposed to compulsory military training and will support no candidate who is for a military program. She is also disgusted with President Wilson, altho I imagine she may have voted for him in 1916. If she were a member of the United States Senate I rather suspect that she would line up with the irreconcilables against the League of Nations. Hoover doesn't suit her and if he should be nominated by either party, can certainly not count on her vote.

Milton Watts of Larned, Kan., is a strong admirer of Thomas Paine, the author of "Common Sense," "The Crisis," "The Age of Reason," and other works, and is disposed to give Paine credit for saving the Revolution from defeat and utter failure.

He calls attention to the fact that Washington started out utterly opposed to independence of the colonies. All he wished was a redress of the wrongs under which the colonies had suffered. "It was only," says Mr. Watts, "when Thomas Paine wrote and published his 'Common Sense' that Washington, Jefferson, Franklin and other revolutionary leaders became converted to the idea of American independence. During the winter of 1777-1778, when the army of Washington was at Valley Forge and the hopes of the colonists were at the lowest ebb and the cause of independence seemed almost lost, Paine again came to the rescue with his book, 'The Crisis' beginning with the words: 'These are the times which try men's souls. The summer soldier and the sunshine patriot will in this crisis shrink from the service of their country, but he that stands by it now, deserves the love and thanks of men and women.'

"This book was written while Paine was an officer on the staff of General Nathaniel Green and was written under the most unfavorable circumstances. Washington ordered copies of the 'Crisis' distributed among the soldiers of the Continental army. It inspired the soldiers with new hope and urged them on to victory." "This was the man," continues Mr. Watts, "who said, 'I believe in one God and no more and I hope for happiness beyond this life. I believe in the equality of man and I believe that religious duties consist in doing justice, loving mercy and endeavoring to make our fellow creatures happy. The world is my country and to do good is my religion.'"

Edwin E. Swanson, of Larkspur, Colo., evidently takes himself quite seriously judging from what he says in a letter under date of March 3. "I notice," he says, "a doctor from Indiana says to deport all the reds. I am a

leader of the reds and I also conquered this world in the last five years. Of course I am a Socialist. Even that wild and grizzly bear, Teddy Roosevelt, found out that some of the Socialists could fight to a finish. I have fought all the capitalists, all the kings and rulers; this includes the Pope and clergy. This class has dictated, dominated and kept the working class ignorant. They tell the worker that he will get his pie in the sky. Just tell that to the fools and hypocrites. Dead bodies do not require any food.

"We have gotten rid of some of the crazy creatures on their thrones; the kaiser, the Romanoff of Russia, the Hapsburg of Austria. The reds did the work. We don't depend on Republicans and Democrats to straighten out this world. They have neither the nerve nor the brains to do the work. Paine, Jefferson and Lincoln never had this capitalist trash to fight as much as I did, nor did they have one-fourth as many of these superstitious church members.

"I think I have fought all the humbuggers that live in this day and age. My blood is as red as they make it. If I knew how to steal and rob the workers I could be rich and wear gold and diamond medals. But I shall hold the honor and high mark for conquering the world in spite of them all. Please spell my name right, Edwin E. Swanson, Larkspur, Colo."

If Mr. Swanson has finished the job of conquering the world as he says, there would not seem to be much of anything left for anybody else to do.

S. R. Elliott, of Berwyn, Okla., is apparently a bit hazy about this prohibition business, judging from his letter in which he says: "To the *Kansas Farmer and Mail and Breeze*, the great journal, and T. A. McNeal and Senator Capper, the friend of the human race: I must say it puts new life in the laboring class of people except on the prohibition side of the great issue. It might be that you all are playing politics, if not I know that you are playing — with my good old friend, John Barleycorn, who sat by my bed two and a half score years, when I was listening for the first rooster to crow so that I might start with vigor to my duties and accomplish a joyful day's work. Now he is gone, gone, gone. Now my rooster don't crow right and I am tired at night and wondering if John was right or if he ever will come back again."

"We are nearing another Presidential election," writes a Phillipsburg reader, "and it seems militarism is the issue. I believe we are to dance to its tune, no matter who wins the race. In 1916 myself and many others turned down Mr. Hughes because he preached war, and we supported Woodrow Wilson on his stand for neutrality. Well, we got Woodrow all right, or rather he got us and gave us Prussian militarism with inefficiency and excessive extravagance. The ballot box has been likened to the Ark of the Covenant. Thru it the people are said to rule. But they did not in this instance and I believe the same injustice is to be done again.

"No candidate can win standing for compulsory training, but the volunteer method is more American and can win and be easily made compulsory later. Now if we expect to escape the uncalled for, heavy load we should adopt a strong resolution opposing the military system signed by so many people that they could scarcely find room for it in Washington. Back in the dark ages war may have been excusable but not in our advanced civilization.

"It would be far better that we train the rising generation in national kindness, benevolence and neighborly love. These elements in man are neglected and dwarfed and he is taught and trained to kill and decorated as a hero for the crime. I do not think there is such a thing as a just war. It is, to say the least, evil and destructive and no evil can be said to be just. What is called patriotism is often only a cheap hatred of other people.

"The United States attained her present greatness by the development of private industry. Industrial growth has only fairly begun. It was the desire of man for wealth coupled with freedom which brought all of our useful inven-

tions into existence. If we destroy the incentive of profit we will kill progress.

"Too many of our leaders are catering to the dreamers, the socialistic and labor elements. They hale industrial leaders into court, call them gongers and threaten them with jails and penitentiaries. We hold them responsible for the H. C. of L. while the scarcity of food, the worldwide demand and militarism in America resulting in a heavy war debt; the excess profit tax and the income tax have combined to raise the cost of living just as naturally as it is for a hog to eat.

"It is a known fact that the common people pay most all of the debt of a free republic, therefore the common people should be taxed. Direct and industry should be free of all taxes, for it is thru organized industry that the farmer finds a ready market for his products. The less industry is hampered the better market we will have and the more the H. C. of L. will be lowered. This method will build up trade and tend to destroy a desire for gouging. If we hamper industry we injure the business of the farmer. Under our present rule meat as a finished product, ready for consumption is priced as high as 60 cents a pound. The remedy is more industry and less dreams.

A farmer's wife writes me, giving her reasons for the frequency of divorces: "When a young lady marries," says "Farmer's Wife," "she is blind. After marriage she begins to see that she is only a slave. Before she marries she thinks one-half of what she and her husband will earn will be hers. After children come into the family she begins to consider their future, as all loving mothers do, and then wakes up to the fact that if she should die her children would not share in what she has earned, but her surviving husband could marry again and at his death give his estate to whom he pleases, possibly casting her children out into the world to do for themselves.

"No wonder mothers do not wish to rear children. When a man dies the mother only gets one-half which is really her own anyway, and the children get the rest. Why should it not be the same in the father's case? Surely if the woman can live on half the estate the man can. How many men would trade places with their wives and consent never to get one cent's pay for what he had done unless he happened to outlive his wife, and have nothing left for his children unless she chose to give it to them?

"Eighty-five per cent of the divorces are applied for by the wives. No wonder; and until the law is changed you may look for the percentage to increase. When I was young I wondered why my mother felt that way but now I know. I am a mother with three children, one a sweet baby but lots of times I get heart sick when I think of rearing little ones, working hard all the time, planning for their future and knowing that all my plans may be set at naught by death. Change the law and give the wife a chance and you will see a lessening of the number of divorces."

Why They Must Go

A FEW weeks ago a Colorado reader wished to be shown some proof that the "Red" revolutionaries are as bad as they have been charged with being. I am now prepared to print some of the proofs supplied by the Attorney General of the United States. The evidence consists of the report of the International Secretary of the Communist party of America. The manifesto of 3rd Communist International Assembly adopted at Moscow, March 2-6, 1919: The Constitution and program of the Communist party of America; evidence of the sabotaging of labor; declarations of the intention of the American Communist party to overthrow our government—not undertake to reform it remember, but to overthrow it.

The record is entirely too voluminous to publish in its entirety. I can only give a few extracts showing the purpose of this treasonable organization. The American Communist party is an offshoot from the Socialist party; the radical wing of that party. This radical wing now a separate organization, is fully allied with the organization of Lenine and Trotsky in Russia and its manifesto is therefore interesting as showing the purposes of the Bolsheviki. It is addressed to the proletariat of all lands and classes together, the overthrown dynasties of the Romanoffs, the Hohenzollerns and the rulers of the United States. It proposes the "disarming of the bourgeoisie at the proper time, the arming of the laborers and the formation of a Communist army as the protector of the proletariat and the inviolability of the social structure. Such is the Red army of Soviet Russia which arose to protect the working class against every assault from within and without. The Soviet army is inseparable from the Soviet state."

It will be observed here that the government

of Lenine is the most offensive and dangerous kind of militarism. It proposes to disarm all classes except the class that follows the lead of Lenine and make this army supreme in Russia. If the Communist party should ever succeed in getting control of the United States we would be immediately placed under a military despotism, for, says the manifesto, "The Soviet army is inseparable from the Soviet state."

Further along in the manifesto I quote the declared purpose of this organization which reads as follows: "The task of the International Communist party is now to overthrow this order, the present government and to erect in its place the structure of the social world order." Further along I find that the program is more definitely stated. "Seizure of political power by the proletariat," says the manifesto, "means destruction of the political power of the bourgeoisie; the organized power of the bourgeoisie in the civil state with its capitalistic army under control of bourgeois junker officers, its police and gendarmes, jailers and judges, its priests, and government officials. Conquest of the political power means not merely a change in the personnel of ministries, but annihilation of the enemies' apparatus of government."

You will observe that the program is thorough and sweeping. Our present government is to be entirely destroyed; then we are to be put under a military despotism in which only one class is to be given any voice. Further along the manifesto makes the following declaration: "The revolutionary era compels the proletariat to make use of the means of battle which will concentrate its entire energies, namely mass action, with its direct conflict with the governmental machinery in open combat."

In the separate manifesto issued by the Communist party of America I find the following statement of the purposes of the organization; "Communism does not propose to capture the bourgeois parliamentary state but to conquer and destroy it. As long as the bourgeois state prevails the capitalist class can baffle the will of proletariat."

I might add pages of quotations showing the purpose of this organization. It proposes to foment strikes, to create industrial strife, to encourage sabotism, all with one ultimate purpose in view—the overthrow of our government and the setting up in its place of a military despotism controlled by the Communist party. This is simply treason. You must make your choice so far as this party can force the issue, between being for your government or against it.

I am most emphatically in favor of great latitude in speech and the freedom of the press. I am in favor of the repeal of the espionage law and the pardoning of all offenders who were guilty of merely political offenses by making speeches or publishing articles calculated to create sentiment against the war. I think that Debs and Berger and Mrs. Stokes for example, should have stood by the government while the war was in progress. Their utterances were calculated to do a great deal of harm at the time they were uttered, but the war is over and amnesty should be extended to these offenders just as it was extended to the rebels after the Civil War.

But here is an organization which does not stop with criticizing the government. It does not propose to undertake to reform the government to suit the ideas of its leaders, thru the means provided by our Constitution and laws for changing the government. Its announced purpose is to destroy the government. It does not intend to seek industrial peace but to do everything possible to create discord. In brief its purpose is to raise hell with all established order; to destroy all private property; to destroy not only the upper class capitalist but all the middle class which it designates as bourgeoisie. Every man who has been industrious and thrifty enough to accumulate some property — a farm, a house, and lot in town, a shop, a store, is classed as a member of the hated bourgeoisie and must be destroyed.

I am loyal to my government. It has many faults. Great abuses have been and are being permitted in the name of democracy in this republic. Our government is extravagant and far from being as efficient as it ought to be, but with all its faults it is the best government so far organized among men. Of all governments a government by a class is to me most distasteful and unbearable. It necessarily means a military despotism. The Communist organization of Lenine and Trotsky and their associates here in the United States are at least frank and consistent. They boldly proclaim that the army is essential to their plan and all must be disarmed except their class. Can you think of anything more unjust or despotic?

When any man begins to talk that doctrine he should be deported if he is a foreigner and if he is American born should be immediately arrested, tried and imprisoned.

Our Peril Not War But Bankruptcy

I HAVE considerable sympathy for the Kansan who wrote me:

"I have been held up, held down, sand-bagged, walked on, flattened out and squeezed, first by the government for federal war tax and excess profits tax, Liberty Bonds, thrift stamps, capital stock tax, merchants' license, merchants' bond, and automobile tax, and by every society and organization that the mind of men can invent—to extract what I may or may not possess—from the Society of John the Baptist to the Navy League, the Red Cross, the Double Cross, the Children's Home, the Dorcas Society, the Y. M. C. A., the Y. W. C. A., the Boy Scouts, the Jewish Relief and every hospital and church in town. In the meantime the government has so governed my business that I don't know who owns it. I am inspected, suspected, examined, re-examined, informed and misinformed, required and commanded, so I don't know who I am, where I am, or why I am. All I know is that I am supposed to be an inexhaustible supply of money for every known need, desire and hope of the human race; and because I will not sell all I have, and go out and beg, borrow or steal money to give away, I have been cursed, discussed, boycotted, talked to, talked about, lied to, lied about, held up, robbed and nearly ruined, and the only reason I am clinging to life at all is because of an insane desire to see what is coming next."

Notwithstanding these are supposed to be extra prosperous times behind the counter, the average small town merchant or business man is getting little more than a living while wondering what is to happen next. Big business and governmental extravagance are holding him up.

The merchant who did not profiteer before the war is not profiteering now. The gougers always have gouged. They will keep gouging until business is done so openly and above board that they must be fair or betray their greed.

This is what putting a cost price on manufactured goods would do for the born gouger—it would compel him to be square or it would drive him out of business. And that would be "good business" for everybody as against the "bad business," in which both big business and the nation itself, are now engaged up to their necks.

When our war-prosperous folk have "blown in" all their "easy money," when flush pockets have ceased from burning and our spendthrifts are at rest, we shall discover that the beleaguered common people have learned to do without or with a smaller quantity of a lot of things which promote their well-being and earning power and also create a big demand for American-made products.

While scolding the profiteers and arresting and fining some of them, our government is itself the biggest profiteer of all. It is the business partner of every gouger and the sharer of his swag. The profiteer gets all he can from the public for himself. Then he extorts enough more to square the demand that Uncle Sam levies on him as profit taxes—and it all comes out of the consumer after the product has been "tax loaded" all the way down the line.

The only difference between the profiteer and Uncle Sam is that Uncle Sam needs the money, or most of it, for he is still the largest borrower of current funds, having outstanding nearly 3 billion dollars of debt of which 850 million falls due March 15. Thru these debt certificates the government has anticipated, if not squandered already, nearly all this year's income taxes.

The demand that the government shall do something to relieve itself of useless burdens and at the same time reduce the cost of living for the people, is valid and urgent. It can do this by ending its criminal wastefulness, by stripping every extravagance, and every expense not vitally important, from the public service and following this up by a drastic reduction of taxes. Its national and reserve banks should immediately quit lending money to speculators, food cornerers and Wall Street gamblers. Legitimate business needs this money to carry on the work of reconstruction. The rest may safely be left to American push and optimism.

The earth's great peril is not war, but bankruptcy and revolution in Europe, followed, if not preceded, by a world collapse of business and industry. All Europe is flat on its back.

The kind of preparedness we need is anything but military. It is thrift—the utmost thrift and economy—coupled with industry. We must get busy and keep busy. Our salvation depends on it, if not the very fate of civilization. As a people and a nation we must dig in at once.

Arthur Capper
Washington, D. C.

A Small Potato Acreage?

The Production Plans of Most of the Growers in the Kaw River Valley are Somewhat Uncertain This Year

By Ray Yarnell

SCARCITY of railroad cars, the extremely high price of seed and the serious labor shortage have combined to make uncertain the plans of potato growers in the Kaw Valley this spring. Commission men and growers are at a loss to know whether these factors will result in a material reduction in acreage or what effect they will have on the activities of both large and small growers.

As a limiting factor in planting, the inability to obtain necessary labor probably will have the greatest effect. A number of large growers are complaining that they are having much difficulty in getting the help needed to plant and if this labor shortage persists it is possible that in many instances the acreage will be decreased. The labor situation also will be a problem of importance at digging time and the grower must figure on this when determining how big a crop to plant.

No Cars, As Usual

It is unlikely that the high price of seed will cause large growers to reduce their acreage but some commission men are inclined to the opinion that smaller growers may be discouraged. This opinion, however, is not unanimous.

At present the problem is one of obtaining seed. There is an acute shortage of railroad cars to bring the seed from the North and there are no indications as to when relief will come. There is said to be plenty of seed available but it cannot be placed immediately in the hands of the growers.

The best opinion in the Kaw Valley is that the acreage planted to potatoes will not be increased. On the other hand the prediction was made by one man closely in touch with the situation that it might be reduced one-fourth. His opinion was based on the demand for seed up to the present, and he said this demand might suddenly increase, growers waiting until the very last minute to buy the seed needed this year.

If unfavorable weather conditions continue there is a chance that by the time planting begins on an extensive scale the car shortage will have been relieved and plenty of seed will be available.

Seed is selling between \$5.50 and \$6 a hundred pounds. The planting is 12 to 15 bushels an acre and the cost for seed, not counting labor would be about \$49.50. Labor would add materially to this figure. The grower is faced with a heavy initial investment and runs a serious weather risk. To recompense him for this he has a very good assurance, dealers say, that the prices at digging time will continue strong. This fact, as much as anything else, is expected to aid in maintaining the acreage.

In this connection the Kaw Valley is particularly favored, because the crop usually matures between the time the Oklahoma and Arkansas crop and the Colorado crop are being marketed, reducing competition with outside production.

Conditions existing in the Topeka potato territory, reaching from Silver Lake east to Grantville, are believed to be representative of the remainder of the Kaw Valley as far as Kansas City in the eastern part of the state. A. L. Williams, of the Heney & Wil-

liams commission firm of Topeka predicts that prices of potatoes will remain high thruout the marketing season. He believes all the old crop probably will be gone when the new potatoes arrive. Mr. Williams does not anticipate that so large an acreage will be planted as last year, due chiefly to the labor shortage, the high cost of seed and the difficulty of getting it shipped in.

Whiteker Brothers, commission men of Topeka, expect high prices to prevail thruout the marketing season and anticipate the usual planting in this section.

F. O. Blecha, county agent for Shawnee county, who is closely in touch with the potato growers, says reports indicate that the acreage will be about the same as in 1919, which was somewhat smaller than the previous season.

All growers, Mr. Blecha says, are complaining of the shortage of labor and the unsatisfactory prospects of obtaining help at digging time.

The bulk of the seed planted this season will be treated against all diseases except blight, Mr. Blecha stated. Growers, following experimental work conducted on the Kelsey Brothers farm near Topeka are taking an added interest in treating seed as insurance against loss. The high cost of seed is another

factor increasing this interest, because the grower is anxious to gain as much protection as he can against possible loss as his investment is unusually heavy for his preliminary work.

Because much seed will be treated, Mr. Blecha says, the prospects for a good yield this season, aside from weather conditions which cannot be anticipated, are exceptionally good. The opinion is held that blight will not be a serious factor as it was prevalent to some extent last year and normally it is said to appear only every five years in this section. This assumption, however, cannot be taken for granted.

Leading Farmers

Jess Willard, former heavyweight champion of the world, is an addition this season to the ranks of Kaw Valley potato growers. Mr. Willard recently purchased 1,200 bushels of seed potatoes and expects to put out about 90 acres. He has been considering the advisability of increasing this acreage but has not reached a decision. Among the other large growers in the Topeka territory are C. D. Skinner, 200 acres, the Kelsey brothers, about 230 acres, and Bert Pugh, 160 acres. There are a great many others who will plant large acreages.

Potato growing statistics from the South are of interest to Kansas growers. In Florida there are 20,380 acres in potatoes this year as compared to 17,556 last year. Fifty per cent of this acreage had to be replanted. Federal market reports indicate that the April movement will be light and that the bulk of the shipments will be made in May. There is also an increased acreage in Texas, 8,400 acres this year as compared to 4,975 in 1919. These figures are from the four principal potato counties in the state.

Wet weather has seriously delayed the planting of potatoes in Alabama, Louisiana and Virginia, and it is probable that the crop from these states will reach the market later than usual.



Spraying Potatoes in the Kaw River Valley; This Crop is Handled on a Big Scale, and as a Rule it is Highly Profitable.

Let's Consider the Future

The Best Opportunities in the Cities are Only for the Specialists Who Have Spent Years in Preparation

By F. B. Nichols

WILL it pay a young man to stay with the country and make farming his life work? What are the relative advantages to be expected from life on the city streets or in the open fields? May we expect agriculture to develop properly in Kansas with the big vision which we hope for?

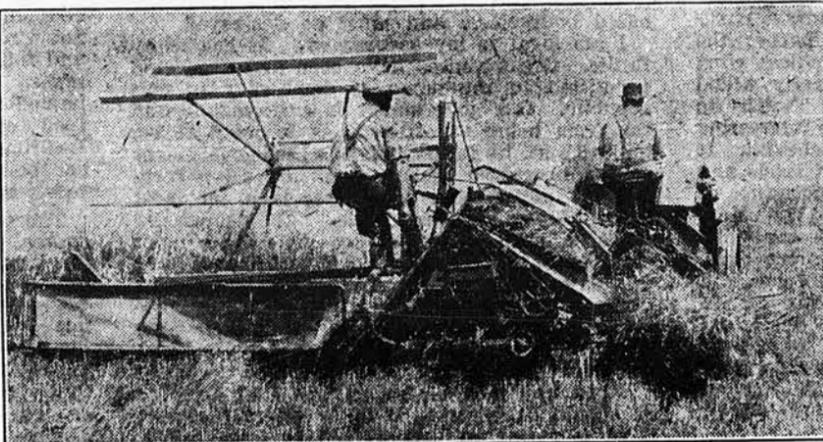
These questions are being asked by many young men today. It is recognized generally that farming is going thru an abnormal period in readjustment, and that real thinking is needed, especially on the economic and social factors. I think that a part of the present abnormal situation was well indicated recently by H. C. Filley, chairman of the department of rural economics of the University of Nebraska, when he said:

"If plumbers, painters and carpenters receive \$1 to \$1.25 an hour, the farmer must pay equivalent wages or limit his farm operations to the work which can be done by himself and family. When he recalls the 13 to 1 hog ratio, the reduction in the price of wheat, the efforts made to compel dairy farmers to sell milk at less than the cost of production, the drive on food prices last August, the losses incurred by feeders due to the sudden declines in the price of livestock, and the continued increase in the price of retail goods, he is not likely to compete strongly with paving contractors, automobile companies, and clothing manufacturers for the limited number of men who really and truly wish a job.

"So long as men are drawn from the farms by the high wages and short hours of city occupations, we cannot expect an increase in the production of farm products. So long as the production of manufactured goods a worker continues to diminish, due to the short hours and inefficiency, we cannot expect the cost of living to decrease to any appreciable extent.

"The remedy for the high cost of living is not on the farms but in the cities. When the city workers lengthen

their working day to approximately the average length of the farmer's working day, speed up production as the farmers have done, and curtail their consumption of non-essentials, we can expect a reduction in the cost of necessities. Other reductions will come with a decrease in the service demanded of the retailer, and a shortening of the route from producer to consumer. Until city people are willing to produce more and consume less they should certainly cease to censure the



The Relative Advantages of Farm and City Life Should be Considered Carefully Before a Young Man Decides to Leave the Country.

farmers who are the only important group of workers who have increased man production during the last five years of the nation's farm activities."

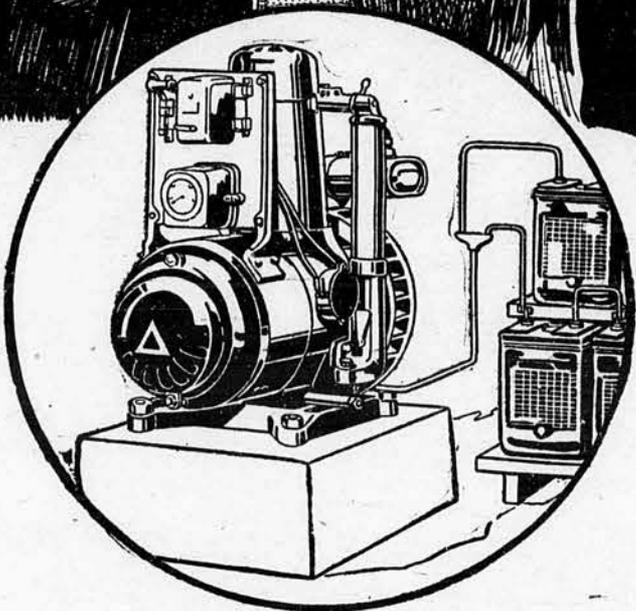
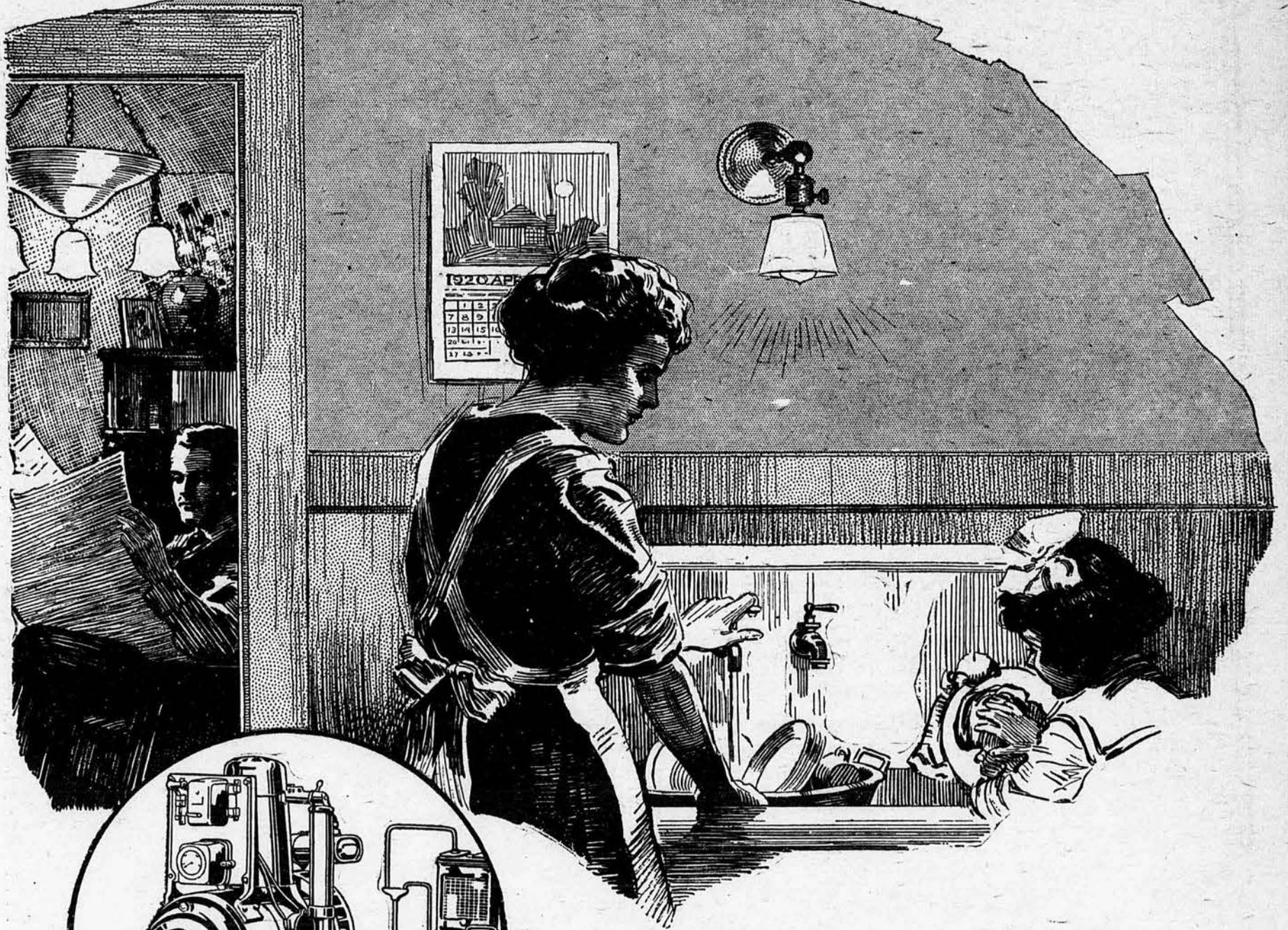
Briefly, the present abnormal industrial and agricultural conditions have completely upset ordinary fundamentals. This makes it very important that a man who is considering the relative advantages of the city and country should take a long look into the future, with the idea of deciding what will occur, and then in determining the type of life he prefers. And may he make no mistake!

I am not in sympathy, and never have been, with the idea that all rural young men should stay with the country. That is bunc, of course. A man should go where he will get the most from life, no matter where that is. There is no more reason for saying that all farmers' sons should be farmers than there is for saying that all doctors' sons should be doctors. It is an individual problem in every case.

In some cases it will pay for a farmer's son to go to the city, if he is able to get the right kind of preparation required for success there. The city is a good place for a man with considerable money, or with a type of specialized training which enables him to do work which ordinary people cannot do. To get this skill usually requires many years of work and much money. And then after one has all this and goes to the city he usually encounters very difficult competition—and the fight

(Continued on Page 23.)

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"Save the Surface and you Save All"

Cropping Systems That Pay

Building Up Soil Fertility Increases Farm Profits

BY A. C. HARTENBOWER



THE FACT that the land grows good crops in normal years is not assurance that it will continue to produce good crops each year during the next hundred years. If only our farmers would take into consideration the fact that someone else will have to make a living on their soils when they are thru with it, many of them would change their methods of taking all from the land and returning nothing to it. It isn't even good business so far as they are concerned personally because of the gradually reduced crop yields of their lands as they slowly deteriorate in producing power. It is surely practical to adopt at least a simple cropping system. The wise man will not go on year after year growing the same crop in the same field and reducing as rapidly as possible the humus it contains—he will at least grow corn before or after one of the small grains which, while being humus destroyers, are not nearly so destructive as corn or other inter-tilled crops.

Careful Planning Brings Results

I often think that the matter of giving some system to farming is the greatest gain from having and following a plan of crop succession in each of the fields of a farm. If a farmer is methodical enough and systematic enough to plan several years ahead for each field on his farm, he will be methodical enough to make plans and to follow them to the best of his ability in the other undertakings on his farm. I cannot believe that our farming generally shows a lack of system because of indolence or ignorance of the farmers, but rather, I am led to think that the reason for this common failure to grow crops in some regular order is because so many men do not appreciate what it will do for them in the matter of increasing profits.

Further, the labor consideration alone should make the adoption of a cropping system desirable on practically every farm. Let us, for illustration, point to but one place where this would be true, namely, in following corn or one of the grain sorghums with wheat. How much labor would be saved by carefully preparing the field for corn, or the grain sorghums, for that matter, and then drilling wheat in the corn field in the fall? What we farmers should endeavor to do is to farm well each acre with the least possible expenditure of labor, particularly of man labor. This is necessary if we are going to get by with profit.

I do not know how much trouble you are having with weeds—but I know that each spring finds me with a larger supply than I wish. And doubtless I shall continue to have my share of them! And so will you. This will be in the face of everything that we can do towards keeping them down. But, how much more is the trouble emphasized where the same crop is grown in the same field year after year. Every crop has its weed friends and weed enemies, so it becomes necessary, from the standpoint of ease of weed destruction to change from one kind of crop to another kind. This makes it far cheaper to hold weeds in check, aside from often making it possible to profitably grow a certain crop.

Again, I firmly believe that if all our farmers generally followed some system of crop succession there would be far more leguminous crops grown

than are now grown. Observation led me to conclude that one of our most pronounced defects is that we are not generally growing enough alfalfa, for example. In many communities instead of there being a gradual increase in the amount of alfalfa grown, the acreage devoted to that crop is becoming smaller. This is true even on soils that are wonderfully well adapted to alfalfa. Of course, the labor situation may be partly responsible for this, but certainly those farmers who are giving up alfalfa are overlooking one of their best bets.

We have not come to the point where we must give especial consideration to having the plant food taken out of the soil evenly by rotating in each field crops that have root systems of different depths. Nor to the matter of having plant food taken out of the soil in regulated amounts. Of course, we may have to consider this in the future, but today the other objects of having a carefully laid out system of crop growing in each field are so pressing that they give us sufficient reason for adopting systems for our farms.

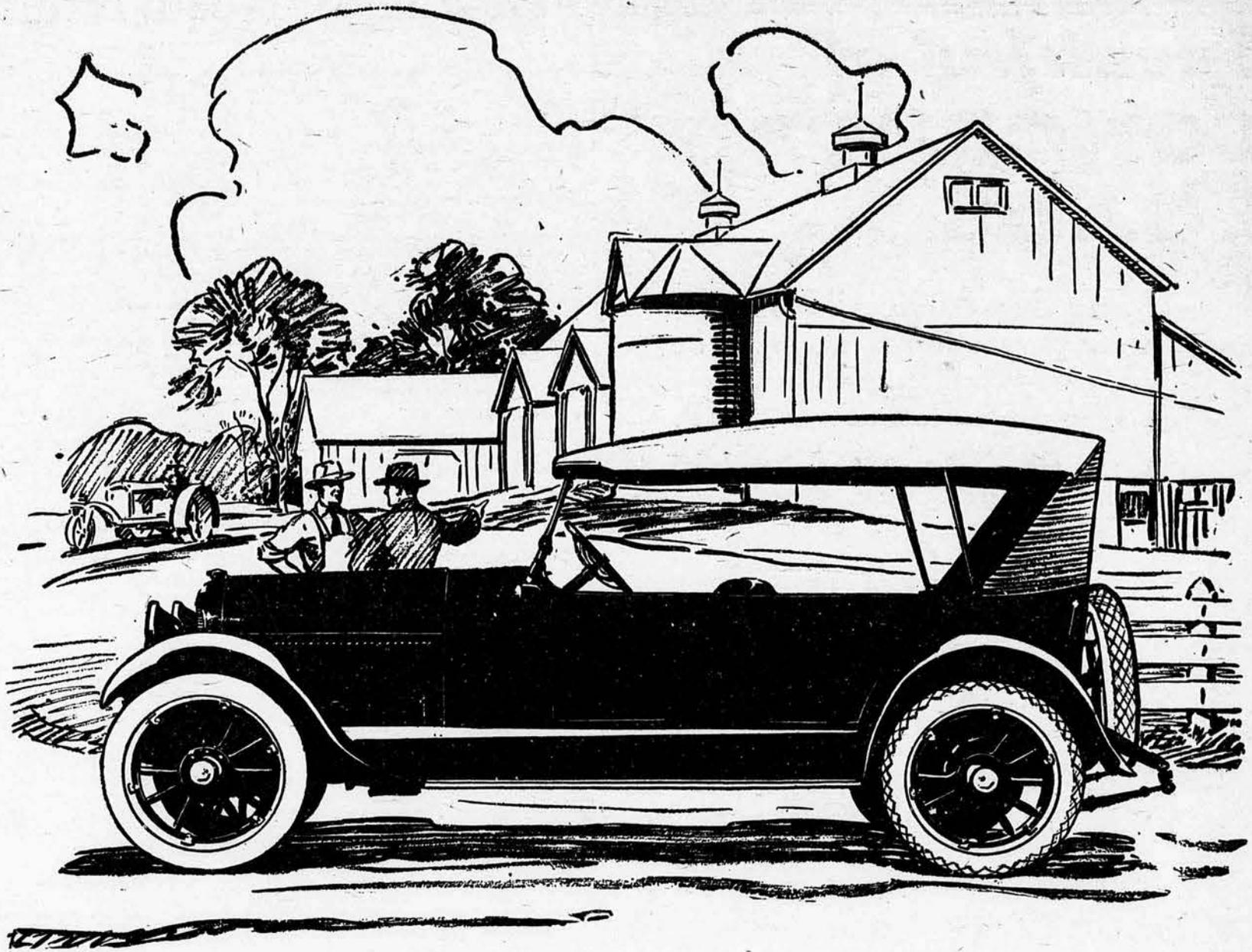
No scheme of cropping each field will be applicable to all farms. It is a problem for each farm and the owner himself and must be largely worked out by him. He is the only one who knows what his plan of operations is because each man has a different idea of what line of farming he wishes to make his principal source of income. Yet, there are certain characteristics which any valuable scheme of crop succession embraces. We can consider these in some detail because they may prove helpful to interested farmers.

Humus Control Important

In considering a rotation for the section under consideration, I am led to place stress, first, on the matter of humus control. Grow crops which will provide it. This means particularly alfalfa. No rotation, under ordinary conditions, should be arranged for the eastern part of Kansas and Oklahoma which does not have a leguminous crop in it. It is borne out by investigation that those counties which have the largest acreages of leguminous crops or tame grasses grown in them, are the ones which are keeping up to the largest possible extent the producing power of their soils. Those crops that represent the highest type of farming, especially of livestock farming, are generally found together. So, please be certain to include leguminous crops in your rotation, especially to provide for the maintenance or the upbuilding of the amount of vegetable matter in your soil.

Second, provide for an abundance of roughage for your livestock. Do not depend upon buying it. Not only may it be difficult to obtain but its bulkiness makes it an expensive product to provide. While we occasionally have mild winters, yet generally when we figure that the winter will be mild it will be exactly the contrary. We must be certain that our livestock is provided for, else much of the profit from livestock production will slip by. For safety in feed production, attention in planning a rotation must be directed in almost all sections of Kansas and Oklahoma to the grain and the sweet sorghums because they are the crops which are most reliable and will pro-

(Continued on Page 20.)



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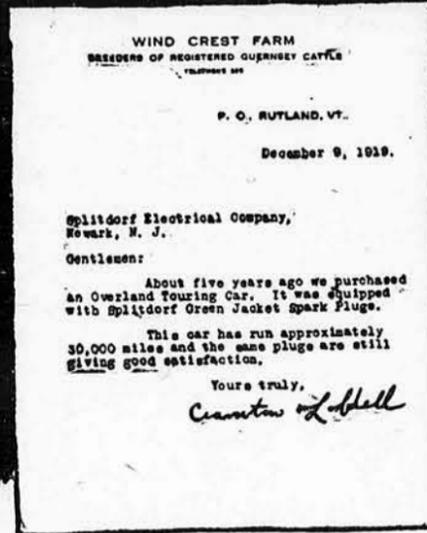
	Miles		Miles
Arkansas	87	New Jersey	87
California	210	New York	329
Delaware	55	Ohio	239
Georgia	90	Oklahoma	69
Illinois	570	Oregon	42
Indiana	280	Pennsylvania	491
Kansas	69	Texas	59
Maryland	95	Utah	84
Massachusetts	31	Virginia	91
Michigan	169	Washington	161
Minnesota	79	West Virginia	87
Mississippi	38	Wisconsin	132

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Flat Lands Need Drainage

Increased Yields Soon Pay Expense of Tiling

BY JOHN W. WILKINSON

FLAT low lands in Kansas, Missouri, Oklahoma and Nebraska can be drained easily and made to grow profitable crops. The increased yields brought about thru proper drainage will pay for the entire expense of ditching and tiling in a very short time. The cost of draining the land may be high compared with what it would have been in the pre-war period, but when we consider that the whole country is three years behind in its building and manufacturing work, there is nothing to be gained by waiting for cheaper prices that may not come for a long time or perhaps may never come.

Prices are Relatively Cheaper

Tile for farm drainage has increased in price in the last 10 years so far as dollars and cents are concerned, but not very much when the price of the tile is spoken of in the terms of bushels of corn, which the farmer sells to buy his tile. Tile is 34 per cent cheaper, based on January 1 quotations of both tile and corn than it was in 1911.

One thousand feet of 5-inch tile on January 1 of this year could be purchased for 35.9 bushels of corn. In 1911, 55.5 bushels of corn were necessary to buy the same amount, while in 1913 61.1 bushels were required.

The greatest trouble the farmer experiences at present is the inability of the factories to fill the orders on hand, and altho the prices are high they are not out of reason with other commodities. Thoro drainage of the soil changes both its mechanical and its chemical structure. It removes the surplus water and makes possible the admission of air into the spaces previously filled with water. It is only in soil in which both air and water circulate that roots of cultivated crops can grow and make satisfactory yields.

Wet Soils are Cold

Water is 10 times more difficult to heat than the solid matter of the soil, and hence the less water there is present the more quickly is the soil warmed. On account of the large and deep root zone resulting from good drainage, the root system is in better condition to withstand a drouth when it comes, as the available space from which the roots can absorb capillary water is enlarged, and the roots will have penetrated to a level nearer the permanent water supply.

Water when freezing in a saturated soil expands, and in expanding lifts the soil, carrying small plants with it. This heaving often causes plants to be thrown entirely out of the soil. This often results in the "winter killing" of the so-called winter crops. Proper tiling will help to overcome much of this trouble. For spring planted crops it will make possible earlier seeding and a more vigorous growth of the young plants. The soil is kept sweet, erosion is checked, and fertilizers when used are not wasted by surface washing. Drainage insures larger yields from the crops and consequently bigger profits from the land.

Drain tiles ordinarily are made either of burned clay, or concrete. Both are extensively used and have proved very satisfactory. Clay tile may be either soft or hard burned or vitrified. However, the hard burned and vitrified tile are the most durable, because they are stronger and as the walls are less porous they are more resistant to frost

action. The size of the tile used will depend on the area and the comparative amount of water to be handled, but in general it does not pay to use tile less than 4 inches in diameter.

In regard to the form of tile the U. S. Department of Agriculture in Farmers' Bulletin No. 187 says: "The tiles used should be round in form, straight, and above all, well burned. They need not be vitrified in order to be lasting, but whatever kind of clay is used in making them, every particle should be completely burned. Such a tile is then almost indestructible in earth and water. Where exposed to long continued freezing and thawing, as at the outfalls, the best vitrified pipe should be used. After one has become familiar with the ware of a particular factory, properly burned tiles may be readily distinguished by their color and by their ring when struck with a piece of steel. Good clay may usually be semi-vitrified if skill is used in burning. Porosity of the finished ware is not important, since the quantity of water that will pass thru the walls of well burned tile is practically nothing. All water enters at the joints. Vitrification, altho not essential, is always a desirable quality in drain tiles."

What Farmers Say

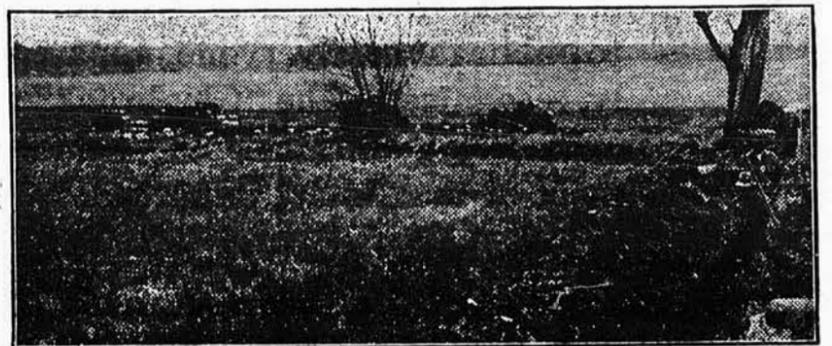
The testimony of farmers in Illinois, Missouri, Iowa, Kansas, Nebraska, Oklahoma and other states of the Middle West who have used tiles for drainage shows that the increased yields often will pay for the entire cost of tiling the first year. J. N. Roach of Muscotah, Kan., in 1912 tiled 125 acres of bottom land at a cost of \$1,800 or \$14.40 an acre. A large part of his land could not be farmed before it was tiled, but after being tiled the wheat the very first year averaged 42 bushels an acre or 10 bushels an acre more than was made on higher land adjoining it. The subdrainage paid for itself the first year.

John McAdow of Atchison, Kan., in speaking of his experience in drainage work says: "When I bought my farm six years ago there were parts of it so wet that my friends told me they thought I had made a poor investment. There were two places on the farm, each containing 8 or 10 acres, which were so wet that they could not be cultivated at all. The first year I was on the farm we had a fairly dry spring and I was able to put those two fields into cane, but later the ground was so wet I never was able to cut the cane after it was sown. After this experience I let the ground stand idle until three years ago when I tiled it. I have no record of the exact cost of the tiling, but I think it was about \$100 for the two fields.

"Last year my corn on this ground was the best corn in this part of the country and stood up against the dry weather better than any of my neighbor's."

"I am firmly convinced," says Curtis A. McCoy, of Hiawatha, Kan., "that tiling is a paying investment. When I bought my farm 12 years ago there were places on it, amounting to perhaps 20 acres altogether, where there was nothing but willows and bulrushes.

"I tiled out these places using perhaps 2,500 feet of 4-inch drain tile. This cost me 75 cents a rod in the ground. Since then my best crops have been on these places which were formerly only bogs and unsightly quagmires."



The Tile Drainage on This Field Changed the Land from an Unproductive Swamp to a Fertile and Highly Profitable Soil.



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The varnish in COL-O-VAR is remarkably tough and elastic. Although the wood may be dented under a blow, the finish will not crack. It's the best floor finish produced. COL-O-VAR is made only by the Sewall Paint and Glass Company and may be had at all Sewall dealers.

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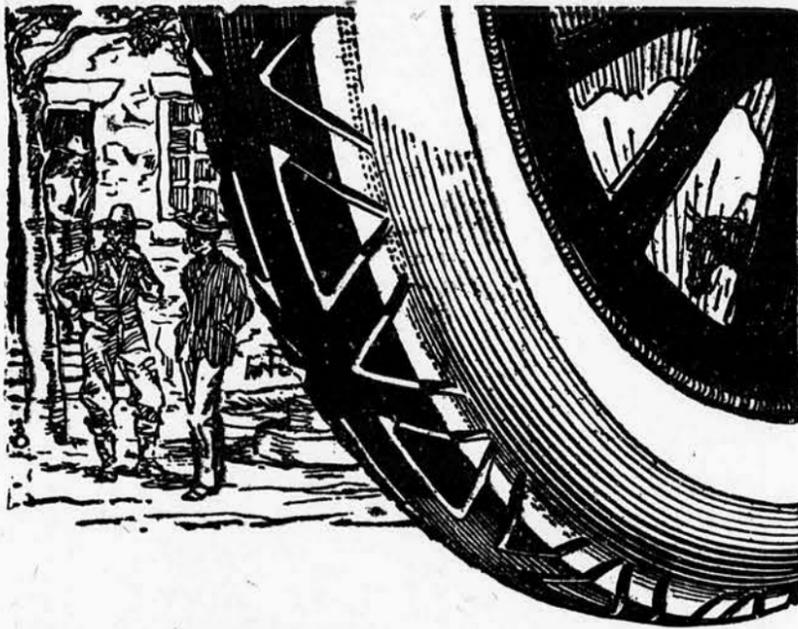
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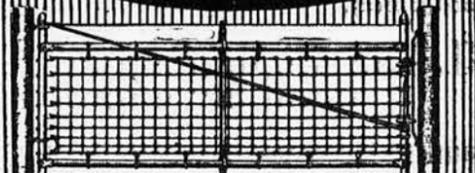
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500 4th St. Cedar Falls, Iowa

From a Quarter Acre, \$4200

Private Thunder Storms Aid a Lettuce Grower

BY RAY YARNELL

FORTY-TWO hundred dollars from 1/4 acre in nine months! N. C. Nelson of Topeka wishes he could farm 160 acres at that rate. But it can't be done.

Mr. Nelson's farm is glass covered—it's a big greenhouse and he raises lettuce and tomato plants. The returns indicate what can be accomplished by intensive cultivation.

Eight years ago Mr. Nelson quit a job as a mechanic to raise lettuce. He got tired of being tied down to a machine shop and he didn't have money enough to buy a farm.

On a 5-acre tract just west of the city limits he erected a greenhouse 50 by 100 feet. In this he produced a ton of lettuce in a season. Today he has a greenhouse 60 by 150 feet and a nursery 23 by 90 feet and his annual production is around 12 tons. The season opens September 1 and closes during May. Production begins about the middle of October.

The plant is just half large enough, Mr. Nelson says. He and one hired man could take care of 1/2 acre and, with only a slight increase in overhead costs, double the income.

A Good Price

After production begins Mr. Nelson markets 200 baskets of lettuce a week, weighing 5 pounds to the basket. This sells for from 18 to 20 cents a pound. He has no marketing troubles because he disposes of his output to a wholesale firm which handles the distribution.

The seeds are sown in the nursery beds, being drilled in rows and covered. Three weeks later they are transplanted, being placed 2 1/2 inches apart each way. Two to three weeks later they are moved to the cropping house and set out 8 inches apart each way. Usually the plants are transplanted three times, each handling stimulating their growth.

Nelson has 11,000 square feet under glass. His best production showed a gross return of 40 cents a square foot. Fifty cents a foot, an excellent return, is the goal at which he is aiming and hopes to achieve.

Fertilizer, both manure and commercial brands, plays an important part in lettuce growing, and from 15 to 20 tons are used in the Nelson plant every year. During the spring season from 3,000 to 4,000 gallons of water are used every day. Mr. Nelson has a heating plant to keep his greenhouse warm. He burns 2 1/2 carloads of coal a season. The boiler he uses was salvaged from a junk pile, and he erected the building in which it is housed without outside help. Mr. Nelson is not a bricklayer but he put up a dandy looking chimney.

A knowledge of mechanics has been valuable every day since he began raising lettuce. It enabled him to do most of the work in connection with the erection of his greenhouse and take care of fall repair work and plumbing, and this reduced his expense bill.

Cloudy Weather

Cloudy days are the bane of this lettuce grower's existence. A long cloudy spell, especially if the sun does not shine in the mornings, will cut production two-thirds. This season's output is already 5,000 pounds short because of cloudy weather. Every cloudy day Mr. Nelson estimates costs him \$20.

Because his growing season occurs in the winter Mr. Nelson misses the summer thunder showers. These storms always freshen up plants and stimulate them to greater growth. So Mr. Nelson has erected the necessary machinery and next fall will stage homemade thunder storms twice a day for the benefit of his lettuce.

Experts who have carried out experiments along this line declare that these thunder storms will increase production 20 per cent during a season. Tests, conducted out of doors, have proved these figures. Mr. Nelson believes the plan will work just as well in a greenhouse and he's going to try it out.

The electric current will be taken from the power wires near his place and transformed into high tension, high

frequency current, the same as is used with wireless apparatus. This current will be fed to wires stretched back and forth across the greenhouse, about 5 feet above the lettuce beds.

The thunder storm will be put on for 2 hours morning and evening. All Mr. Nelson will have to do to start or stop it will be to press a button.

The theory is that this electric energy released from the wires will stimulate the growing plants and wake them up. Mr. Nelson says lettuce is an abnormally late sleeper, remaining dormant usually until 10 o'clock in the morning.

Longer Growing Periods

As all plants store up energy from sunlight during the day the loss of time between sunrise and 10 o'clock is important. Morning sunlight is strongest in violet rays and these rays are the ones that make plants grow.

So Mr. Nelson proposes to rouse his plants early so they will absorb more violet rays and keep them awake fairly late in the evening so they will not shirk on him.

The thunder storms are of the noiseless variety and the electric waves will not be visible except at night, and then only a glow about the wires will be discernable.

It is estimated that the electric storms can be staged at a cost of 28 cents a day. Nelson holds that it will be good business to increase his production 20 per cent at this small cost.

The expense of installing the thunder-making machinery was small because Nelson did all the work. Ordinary wire was used for the most part, only the feeding wire being of copper. Transformers, which have to be of a special design, are the chief items of expense.

To Protect Bird Life

The Kansas state horticultural society has issued a bulletin entitled "Birds—Their Practical Benefit, and The Farm Woodlot—A State Asset." This bulletin is dealing with two important subjects to Kansas. We must as a state and nation prepare for the generations yet to come by planting trees for the production of lumber and fuel. The protection of birds is a vital necessity which has been realized by horticulturists for many years. This bulletin should be in every home in Kansas, and will be mailed on request by the Kansas state horticultural society, state house, Topeka, Kan.

Secretary, O. F. Whitney.

SOMETHING DIFFERENT

A Farm Paper Edited on a Farm

Capper's Farmer, published by United States Senator Arthur Capper of Kansas, is a farm paper that is different. It is edited on the farm by a farmer and for the farmer. It is published in the heart of the greatest agricultural country in the world. It stands for a square deal for the consumer and fair profits for the producer thru eliminating grain gamblers, market jugglers, and other trusts and combines. For that great body of American Farmers who live with ideals, who want to be progressive, there is no such favorite as Capper's Farmer. There is a department for the women folks, boys and girls, marketing, livestock, poultry, dairy, field crops, farm machinery, horticulture, health, etc. In addition to the regular editorials, Senator Capper's Washington Comment is one of the most interesting and instructive.

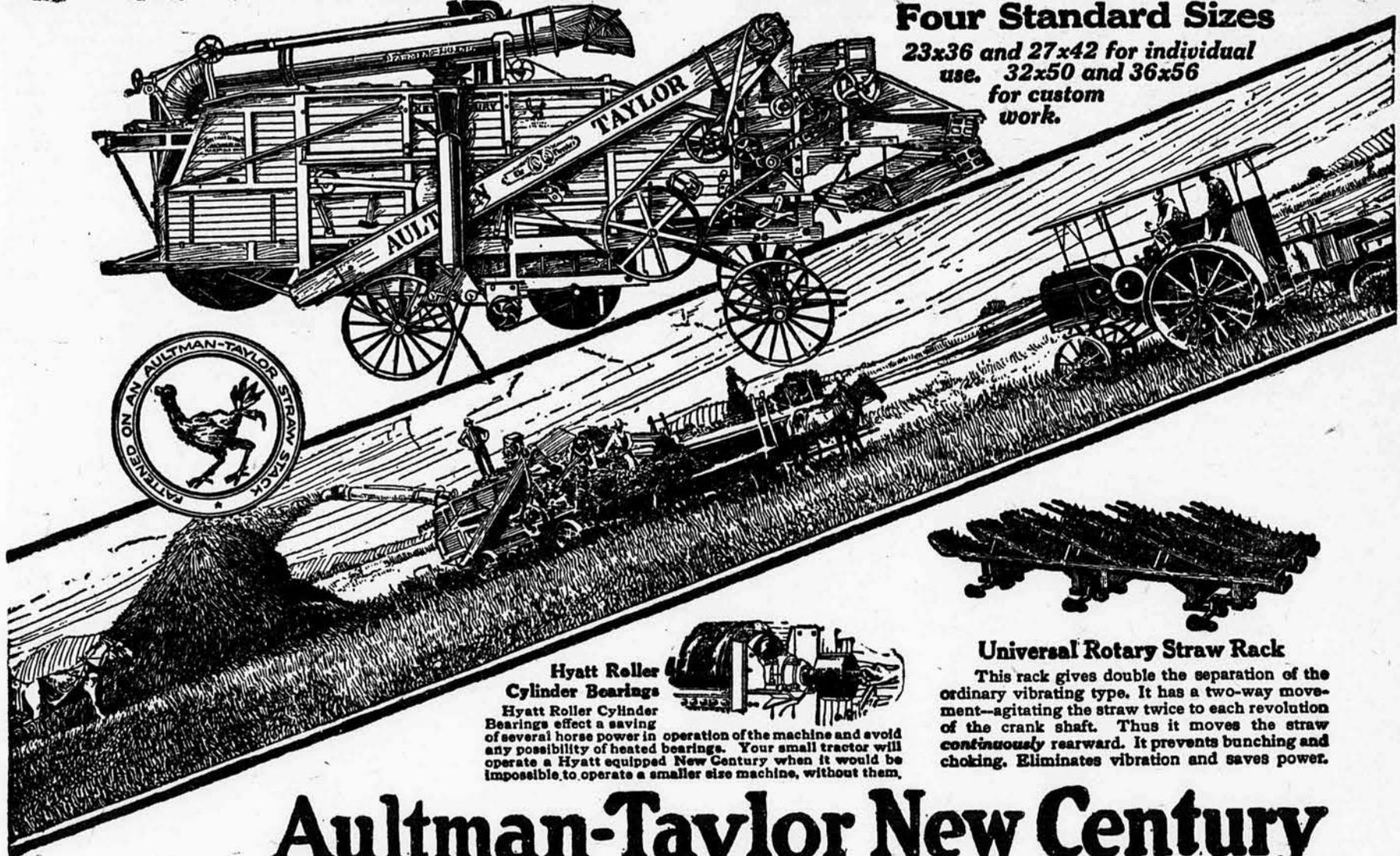
In order to introduce this bright and breezy farm paper to readers of the Kansas Farmer and Mail and Breeze, the publisher agrees to send the paper six months for ten cents. This is a special offer, good for ten days only. You should send in your dime today. Address, Capper's Farmer, 507 Capper Bldg., Topeka, Kansas. You can't afford to miss a single copy.

Shoes will withstand the moisture of spring rains and thaws if they are coated with a warm mixture of equal parts of white pine tar, neatsfoot oil and beef tallow, melted together.

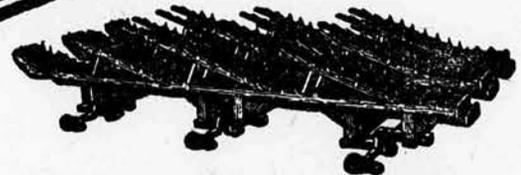
The Thresher That Saves All Your Grain

Four Standard Sizes

23x36 and 27x42 for individual use. 32x50 and 36x56 for custom work.



Hyatt Roller Cylinder Bearings
Hyatt Roller Cylinder Bearings effect a saving of several horse power in operation of the machine and avoid any possibility of heated bearings. Your small tractor will operate a Hyatt equipped New Century when it would be impossible to operate a smaller size machine, without them.



Universal Rotary Straw Rack
This rack gives double the separation of the ordinary vibrating type. It has a two-way movement—agitating the straw twice to each revolution of the crank shaft. Thus it moves the straw continuously rearward. It prevents bunching and choking. Eliminates vibration and saves power.

Aultman-Taylor New Century

THE stamp of the old starved rooster has been *a sure guarantee of thresher reliability* for more than half a century. And today, no farmer could want greater value than this famous line of threshers gives--in big capacity, in thorough separation and in low cost per bushel.

The Aultman-Taylor New Century Thresher clinches your grain profits. It gives you every bushel you grow--clean and whole. No high-price bushels blowing into your straw stack. No cracked, cheapened grain due to poor threshing

Less Power--More Grain A Thresher That Won't Clog

The big-capacity cylinder is Hyatt Roller Bearing equipped. The Cylinder teeth are case hardened, high carbon tool steel. They *cannot* break--no matter how hard you crowd them. And note the Universal Rotary Straw Rack. It keeps the straw moving rearward constantly, with two kicks to each revolution of the crank shaft. It gives *double the agitation* of any other type of rack--and eliminates vibration.

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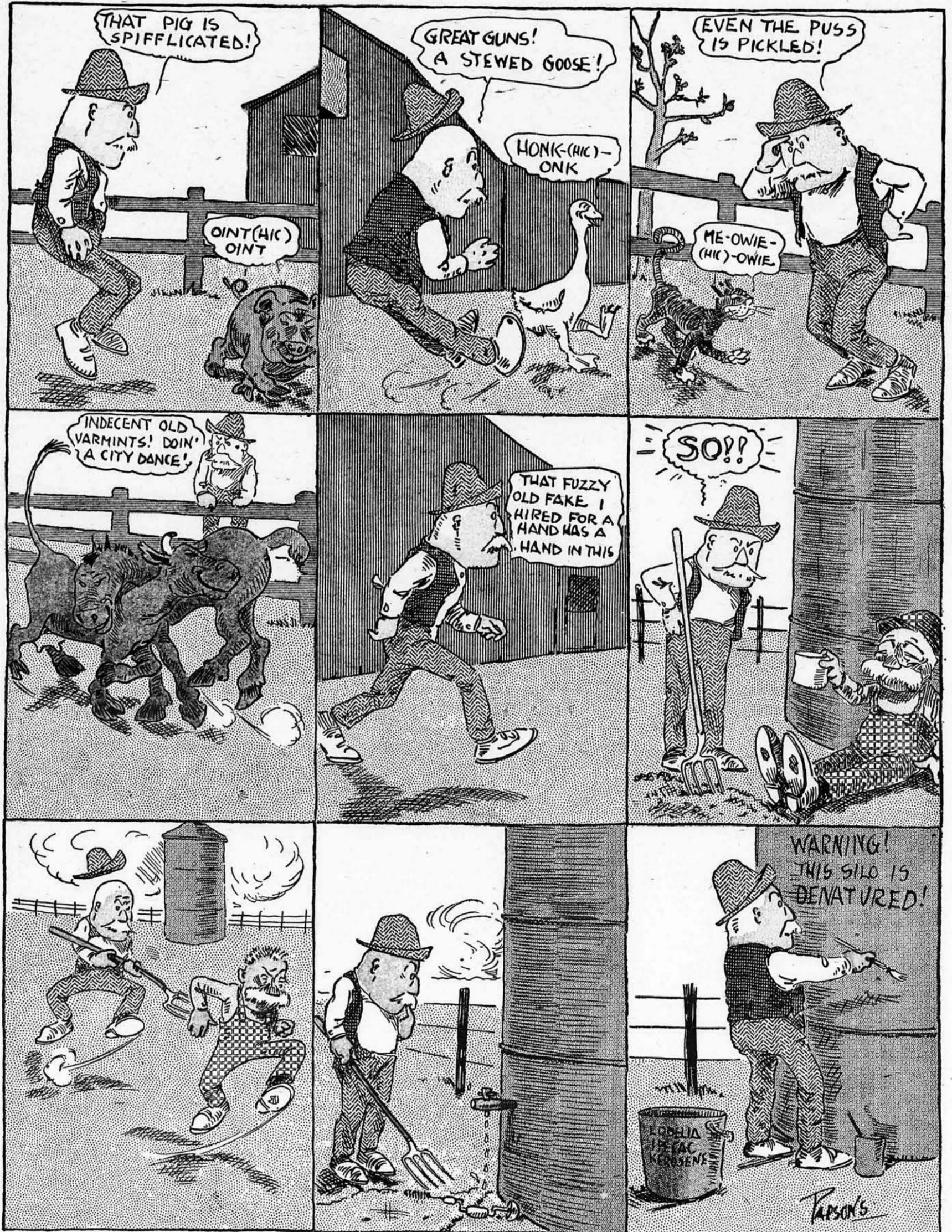
City

State.....



The Adventures of the Hoovers

The Hired Man and The Livestock All Got Dippy When the Silo Was Tapped So Hi Decides It Must be Denatured and the Public So Advised



Senator Capper's Washington Comment

BEFORE another wheat crop is harvested there is prospect of a revision of the grain grading rules by the Bureau of Markets of the United States Department of Agriculture. During last year and earlier, efforts were made to have Secretary Houston authorize a revision of the grades and rules, but the Secretary apparently did not sympathize with the complaints made by the farmers, and favorable action could not be obtained. The new Secretary of Agriculture, Mr. Meredith, has shown a great deal more sympathy with the grain producer and has arranged for a conference to discuss grain grades and rules to be held in Washington, March 19.

This conference will be attended by Representatives and Senators from such grain growing states as Kansas, Nebraska, the Dakotas, Minnesota, Iowa, Illinois and Indiana, by delegates from the various farmers' organizations, and by other persons interested. The conference is public and may be attended by anyone who cares to come to Washington.

Rank discrimination has been practiced on the farmer under the grain grades established by the Bureau of Markets of the Department of Agriculture and the rules of the United States Grain Corporation. Due to the manipulation of grades and rules, the Kansas farmer, instead of getting the guaranteed price for his wheat based on \$2.20 a bushel, got much less. The wheat crop of Kansas was marketed last year by the farmers for an average of less than \$2 a bushel, and much of it sold down around \$1.50 a bushel, notwithstanding the guaranty. Farmers generally, in Kansas and elsewhere, protested bitterly against the system of grain grades and the manipulation of the rules of the United States Grain Corporation, which resulted in lower prices to the producer and greater profits to the elevator owner and miller. It is hoped at the forthcoming conference to obtain a system of grades and rules that will be fair to the grain grower and not leave him at the mercy of grain grades and rules that can be manipulated to defraud him of part of the fair price for his grain.

Rob Peter to Pay Paul

The more the recent charge made in the report of the grand jury at Spokane, Wash., that officials of the United States Grain Corporation have been able to manipulate the market with great profit to themselves and their associates, the more it reflects on this pet institution of Herbert Hoover, headed by Julius H. Barnes. In a hearing before the House Rules Committee, of which Congressman Phil P. Campbell of Kansas is chairman, Barnes was forced to admit that not only does Max H. Houser, the Vice President of the United States Grain Corporation against whom the charge was directly made, retain his financial interest in grain and milling concerns while an official of the United States Grain Corporation, but that the same is true of a number of other vice presidents and regional directors of the corporation. Mr. Barnes sought to excuse Mr. Houser by saying he gave away all his profits in these grain and milling concerns exceeding 6 per cent to charity. This is saying, in effect, that the producer and consumer have been compelled to supply profits of at least 6 per cent and then additional profits to enable these officers of the United States Grain Corporation to make reputations as philanthropists. As it is not even contended that the other stockholders in the mills and elevators, who were not officers of the grain corporation, gave away their excess profits to charity, these profits, exacted from the farmer on the one hand, and the consumer of flour and bread, on the other, went to swell the bank accounts of the business associates of these grain corporation lawyers.

When these excess profits are taken into account, and it is recalled that the United States Grain Corporation

has made profits on its own account of more than 50 millions during the past year, it is easy to see why the farmer was paid less for his wheat than the government guaranteed him, and why at the same time the buyer of flour and bread continued to pay war prices. It becomes more apparent every day that the United States Grain Corporation was run in the interest of the big grain elevator interests and the big milling interests of the country, to the injury both of the producer and the consumer.

For Better Rural Credits

Efforts to amend the Federal Farm Loan Law so that it will operate to the greater advantage of farmers are temporarily halted by a deadlock between the Senate and House on this measure. The House rejected the conference report agreed on by members representing the two branches of Congress and so far it has been impossible to get an agreement. Members of the committees on banking and currency in the two Houses hope to compose their differences and put thru a bill before the adjournment of Congress in June however.

The House raised objection particularly to a Senate Amendment which would authorize the levying of assessments by farm loan boards on farm loan borrowers and applicants for loans of not to exceed 1 per cent of the amount of the loan to pay the salary of the local secretary-treasurer. It was contended that this would tend to increase the rate to the borrower. Supporters of the proposal contend, on the contrary, that some such charge must be made or the co-operative farm loan associations will be driven out of business. Under the existing law the local associations have been able to get along without paid secretary-treasurers in many instances. Local bankers frequently acted in these capacities without cost to the associations. As the business grows, however, it is contended it has become necessary to have paid secretary-treasurers, and the purpose of the Amendment was to provide a practicable means for taking care of this and other unavoidable expenses of the local associations. Where a levy has been made by a local association for this purpose it has been done without specific warrant of law, and the National Farm Loan Board has permitted it as an apparent necessity. This Amendment, if adopted, would provide legal warrant for such levy, which must be not more than 1 per cent on the amount lent.

War's Frenzied Financing

The country already has begun to reap some of the bitter fruit of the reckless financing during the war. Not only are Liberty Bonds below par, but the Federal Reserve Banks are preferring other kinds of collateral to the government's own bonds. It was complained on the floor of the Senate last week that banks requiring money offered bonds bearing 4 1/4 per cent interest as collateral for loans and were compelled to pay a 5 per cent rate to obtain the needed money. That the bonds are below par is not to be wondered at if they are thus discriminated against by the government itself.

In this connection Senator Gronna of North Dakota directed attention to the fact that just such a result had been predicted by Republican Senators when the War Finance Bill was before the Senate. It had been predicted that the floating of such a vast volume of bonds would result in the enrichment of men already rich and that eventually these bonds would find their way into the coffers of the rich. Senator Gronna charged that the number of millionaires in the United States had been increased from 7,000 to 30,000 during the war, and much of this suddenly acquired wealth was due to the Administration's plan of financing the war. I am in entire accord with his argument that if the plan proposed by himself and others to impose a tax of 80 per cent on excess profits had been

adopted, fewer big fortunes would have been made during the war, and such huge bond issues would not have been necessary, and the bonds would not soon after the war be selling for less than par.

Co-operative Farm Loans

The success and development of the Federal Co-operative Farm Loan System has been amazing. Up to the first of this year it had lent 300 million dollars, and had total assets of 350 million dollars, after having earned \$750,000. Some 250,000 farmers had applied for loans of which nearly 200,000 had been granted. The loans now in force number about 125,000 averaging approximately \$2,400 a loan. Borrowers keep up their payments of principal and interest, arrearages being very small.

But the system has had hard sledding from the outset. It was opposed by the private farm mortgage banks and farm loan companies, and the joint stock land banks provided for in the law have become dangerous competitors of the co-operative banks, threatening to drive the latter out of existence if inequalities favoring the joint stock banks are not eliminated by new legislation. The Co-operative National Farm Loan System also has been attacked in the courts, and the United States Supreme Court has been asked to pass on the constitutionality of the law. A decision is anxiously awaited and is expected soon.

I am earnestly supporting the Federal Land Loan system, and shall do everything in my power to strengthen and encourage it. The government cannot go too far in aiding the farmer to become a land owner instead of a tenant farmer. With the splendid start the system has made its friends are the more anxious that the two Houses of Congress may soon agree on legislation to perfect and encourage the growth of the system and that this great co-operative farm loan system, which already has proved such a boon to the farmer, may expand and become still more useful.

Arthur Capper
Washington, D. C.

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1400% Profit W. H. Graham, Middleton, Mo., writes that he got an extra \$450 worth of pork from \$30 worth of Milkoline in a sixty day feed. He made an actual test of this lot of hogs in comparison with another bunch. We could quote hundreds of testimonials, but the best proof is that we legally guarantee Milkoline to be satisfactory or refund your money (you are the judge) and refer you to S. W. Blvd. Bank of Kansas City, Mo., and R. G. Dunn & Co. MILKOLINE is just as good for Poultry as for Hogs.

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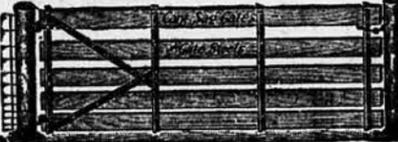
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<p>The Ann Arbor Way</p>  <p>Wide opening and wide head mean full charges of unbroken hay every time and full, perfectly even bales. Saves all the food value of alfalfa.</p>	<p>Roller Folder—Perfect Bales</p>  <p>The patented Roller Folder folds over the uneven end and gives a clean cut bale. "There's never a tail on any Ann Arbor bale."</p>

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THE ANN ARBOR MACHINE CORPORATION
Ann Arbor, Mich. Box 113 Kansas City, Mo.

Value of Lightning Rods

Rural Losses From Fires are Often Heavy

BY DIAMOND PEARL

BY FAR the larger part of the financial loss which results each year from lightning occurs in rural districts. There is a reason for this and in this reason is to be found a strong argument for the installation of lightning rods upon country dwellings and other farm structures. The fact that losses of this kind are greater in the country than in the city is not because nature seeks to show any partiality toward such as dwell in crowded centers. It is more likely that fires which originate in the city from bolts of lightning are put out by city fire departments in most instances before they get under great headway, whereas the house or barn that is struck in the open country is likely to be a total loss. It is, indeed, a fortunate circumstance when such a structure is saved since it is not unusual for a flash of lightning to set fire to a building in several places.

Nature of the Flash

The part played by lightning rods in giving increased protection against this peril may be better understood if a word or two first is said about the nature of the lightning's flash. The accompanying photograph of an approaching storm will help, also, to this end. Simply stated, the bolt of lightning is nothing but an electric spark of high proportions and it takes place between the surface of a cloud and the earth beneath for the same reason that any electric spark jumps from one object to another. The earth is always possessed of a certain "charge" of electricity, so to speak. The clouds above are charged with the opposite kind of electricity. Were it not for the resistance offered by the air there would be a constant exchange of electricity between the two in an effort to establish a state of equilibrium or harmony. Under such hypothetical conditions we would be as little aware of this interchange as we are at present of the pulsations which go on about us, all the time carrying "wireless" messages thru the ether. What actually happens, however, is that the atmosphere, which ordinarily is a poor conductor, holds back the "charge" of electricity in the cloud from making the jump across the gap which separates the cloud from the earth.

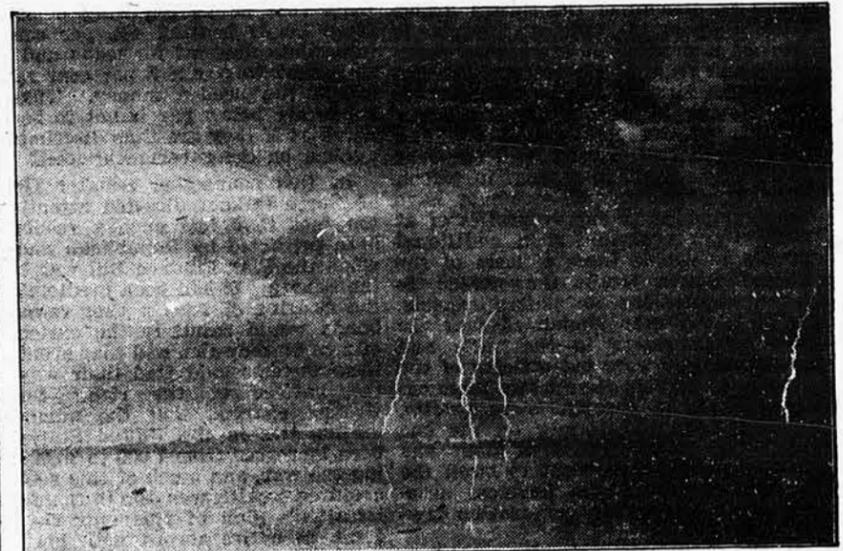
When a storm cloud piles up on the horizon and subsequently sweeps across the heavens, conditions rapidly change. The charge of electricity carried by the clouds increases enormously and at the same time the increased moisture in the air, either as vapor or rain, lowers its resistance. Storm clouds hang low and this is another factor making more easily possible the jump of the huge electric spark which we know as lightning. We all know that the electric bolt has a fondness for striking trees, houses, windmills, barns and other objects which project above the surface of the earth. There are three principal reasons for this. First, the distance for the spark to jump is some-

what less; second, the object itself may be partly sunk or imbedded in the earth as is the case with tree roots, windmill frames and house foundations. These things make for a more ready passage of the electric charge. Third, houses and other objects on the earth accumulate the same kind of electric charge as is found in the earth itself. If this accumulates in sufficient quantity there may be a discharge of the opposite kind of electricity from the clouds above. However, if such surfaces are provided with a number of metallic points thru which the electricity may escape there will be no discharge. This is clearly demonstrated with a static electric machine. When the negative and positive terminals are connected with metallic balls held a short distance apart there will be discharges between the terminals constantly as long as the machine is operated. However, when either of these terminals are covered with a number of fine points the current passes off quietly and there is no discharge. Lightning rods when placed on a building at proper distances apart serve the same purpose. If the bolt of lightning, however should strike, the lightning rod being a good conductor will catch the current and convey it to the ground. For this reason most rods are made of steel or copper, but preferably of the latter.

Expert Installation Best

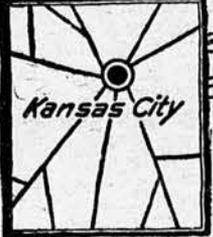
The installation of lightning rods is a matter for experts alone to handle. However, there are a few points with which everyone should be familiar who contemplates erecting such safeguards or who has them already in place. Chief of all, perhaps, is the fact that the best material and workmanship in the matter of installation not only is the cheapest in the long run but affords more lasting protection. A poor job of rodding invites disaster. Durability is a factor of great importance since corrosion of the conductor or the fittings employed will in time vitiate the conductivity of the system. To avoid this, one should make sure that different kinds of metals do not come in contact at points where moisture will not dry away speedily after a storm. Otherwise corrosion at such points will ensue. The terminal, also, should be of a kind that will not corrode and it should be sunk deeply enough to reach permanently moist soil. Otherwise in a prolonged drouth the system will become non-conducting. An efficient worker in lightning rod installation will see that all these factors are taken care of and others of importance as well.

Do lightning rods protect? The best authorities hold that there is no question as to this. Taking lightning rods as they are found in the general run of installation, insurance experts say that they reduce the fire hazard on houses by 80 or 90 per cent. In the case of barns the protection is said to be even greater.



An Unusual Picture Showing the Action of Lightning in an Approaching Thunder Storm. Many Destructive Fires are Started by Lightning.

Largest Shipment of Motor Farming Machinery Ever Made



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Here is the largest shipment of Motor Farming Machinery ever made. It was sent to Kansas City during the recent National Tractor Show. Every car in this shipment was bought by Avery dealers in Kansas, Oklahoma and Missouri, and about three-fourths of these machines were already sold by them to their farmer customers.

This record breaking shipment shows two things: First, how more and more farmers in your part of the country are fast discovering the fact that motor farming means raising bigger crops with less expense; and

Second, how strongly farmers unite in deciding upon Averys to meet their needs. No one need question nowadays whether an Avery is a good investment. The cost of doing without motor farming machinery is going higher every day. Farm labor is demanding more in wages. Horses and mules cost more to feed and take care of. But motor power is doing more work and costs less, and takes the place of both men and horses.

It is estimated that about two-fifths of the cost of raising the average farm crop is represented in labor. You cannot cut expenses in the cost of your land, the seed you use, or your necessary tillage tools. The only place where you can cut expenses economically is in cost of labor, and this means replacing labor with motor power.

Avery Experience Takes Experiment Out of Your Buying

Avery machines have demonstrated for years in the hands of owners what you can expect from an Avery on your farm. One Avery dealer in Kansas reports, "I have 85 Avery Tractor owners in my territory, and not one of them ever lost a half day with their machines."

Averys are the Tractors with the "Draft-Horse" Motor and "Direct-Drive" Transmission—they have Renewable Inner Cylinder Walls, Adjustable Crankshaft Boxes, Duplex Gasifiers that turn kerosene into gas and burn it all, Valves-in-Head, Round Radiator, etc.

Avery Thrashers are the Champion "Grain-Savers" of them all—they have genuine tool steel Cylinder Teeth "Guaranteed-for-Life" against breakage; I. X. L. Grain-Saving Device; Roller Bearings on Cylinder and Wind-Stacker Fan Shafts that make them extra light running, and many other exclusive grain-saving and cleaning features.

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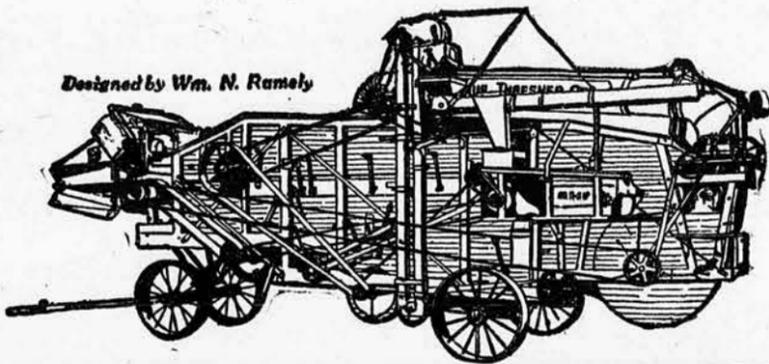
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Rural Engineering Hints

By C. E. Jablow

IN THE Middle West the crop of new engineers placed before the public each year have been recruited very largely from farm homes and most of these young men have known very little other than farming during most of their early life. The writer has, for a long period of time been in a position where he could study many of these engineers in their process of development at engineering schools in connection with our state universities and colleges. That the majority of these young men originally from the farm have made successes in their new calling, has been proved by a recent investigation that has been conducted. Only a negligible percentage of these men have failed to follow the engineering profession after their period of training.

It is not here recommended that all young men on the farms prepare themselves for the engineering profession. Far be it from this, but a man who is temperamentally fitted for this work need not hesitate for fear of not making a success.

Farmers Need Engineering Courses

The need for professional men and especially engineers, never was better demonstrated than during our recent war. The only difficulty was in recruiting them in sufficient numbers. While, perhaps, these men were not subjected to shell fire as were our high boys, nevertheless they contributed to a very large degree in all of the successes of the infantry.

In days gone by there were men who with no scholastic training overcame great obstacles and made prominent engineers of themselves, but the easiest and commonly accepted route today is by training in one of our engineering schools. Here the young man should find advantages of a varied lot of equipment and the guidance of older men in the engineering profession.

Many of these farm boy engineers will compensate for their absence from the farm by assisting in developing and improving some class of farm machinery that will in its turn save a great amount of human labor.

Many people outside of the engineering profession do not have a proper appreciation of the long and tedious period of training that precedes the time when our colleges can say that the young man is fit to take even a subordinate position in the engineering field. The writer has on many occasions been asked to assist young men with no previous preparation to make engineers of themselves in a few months.

An engineer's minimum qualifications will soon be four years of collegiate work based upon a common and a high school preparation. It is encouraging to note that most localities in our Middle West afford the farm boy such an opportunity.

Pioneer Experiences

Most of us forget the period of progress thru which we have lived. If we stop for a moment to recall our early childhood we will find that our parents were without things we consider indispensable. A half century ago the At-

lantic cable was not prepared for continuous service, the incandescent electric light had not been thought of, the telephone and the electric car were yet unknown. There were no telephones, no wireless telegraph or telephone, no automobiles and certainly no airplanes. The gas or gasoline engine was developed to a commercial success as was the dynamo for developing electrical energy within this period. One could name many more conveniences that we use every day and believe that we could not do without, but our fathers and forefathers knew nothing of some of these things.

These things give one an idea of the debt we owe the engineer and also help to indicate that the end of our period of development has not been reached, but it remains for the young engineer of today to open and show the way.

It is not my purpose to explain the differences in the different kinds of engineering as the field has been undergoing constant division and specialization. We now find institutions of higher learning offering courses in engineering under more than 20 separate designations, but educators in general agree that the young man in his early engineering training requires broad and fundamental courses and should not specialize until a later time in his career.

For the boy who lacks the necessary preparation for a complete engineering course, opportunities are offered in many of our state institutions in this section of the country, for training themselves to become skillful in the handling of tools, engines and other appliances—such courses are designated to train artisans and mechanics. Such training while of a very important kind, requires but a small fraction as much time to complete as an engineering course.

Men who come from farms for this training nearly always return immediately to the farm and thereafter are more skillful with their tractors, gas engines, and other machinery than their neighbors who are without this training.

For Better Health

An excellent book on nutrition has been published recently by the Macmillan Company, 66 Fifth Avenue, New York, N. Y. This is Diseases of Nutrition and Infant Feeding, by John Lovett Morse and Fritz B. Talbot. It takes up the care of children, and also shows how a higher standard of health can be maintained by more care in selecting and preparing food. The price is \$4; it consists of 384 pages. It should be in the library of every educated person who wishes to maintain the maximum standard of health.

Our Best Three Offers

One old subscriber and one new subscriber, if sent together, can get The Kansas Farmer and Mail and Breeze one year for \$1.50. A club of three yearly subscriptions, if sent together, all for \$2; or, one three-year subscription \$2.

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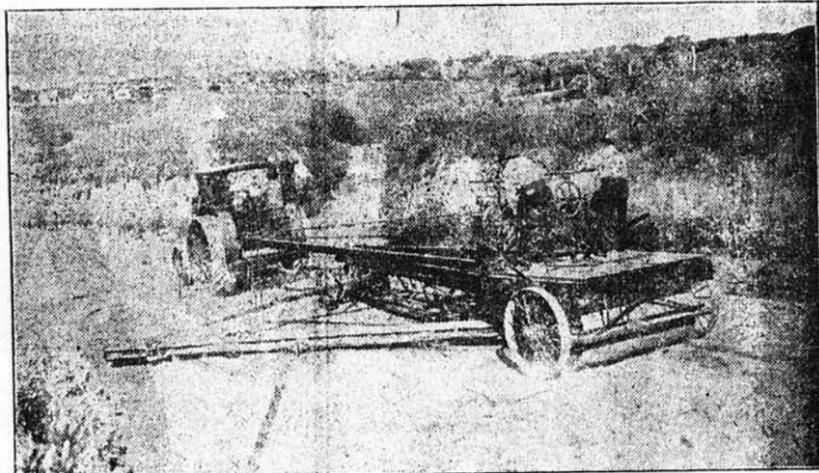
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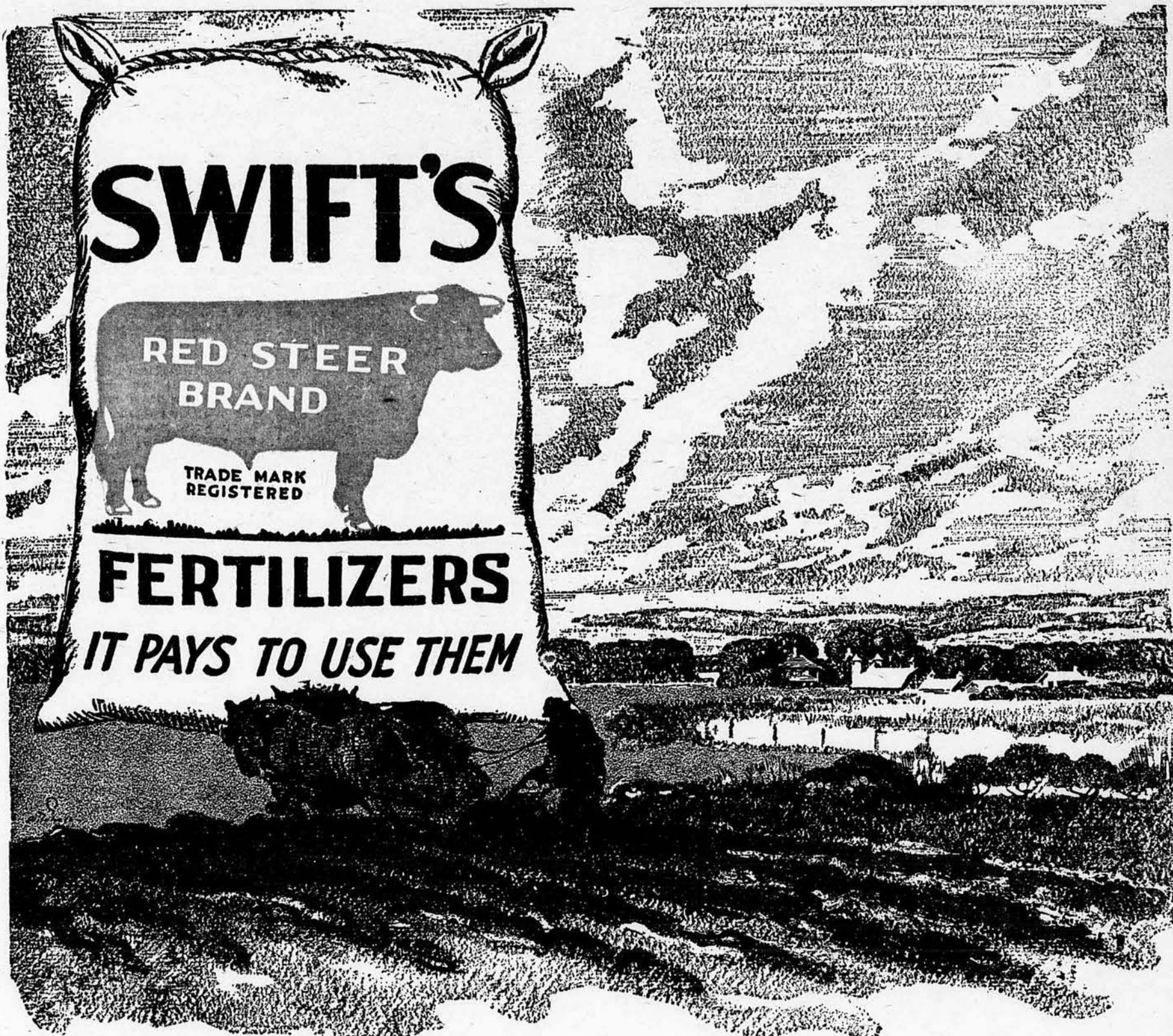
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 Baltimore, Md.; Harrison Station, Newark, N. J.; Cleveland, O.; Chicago, Ill.;
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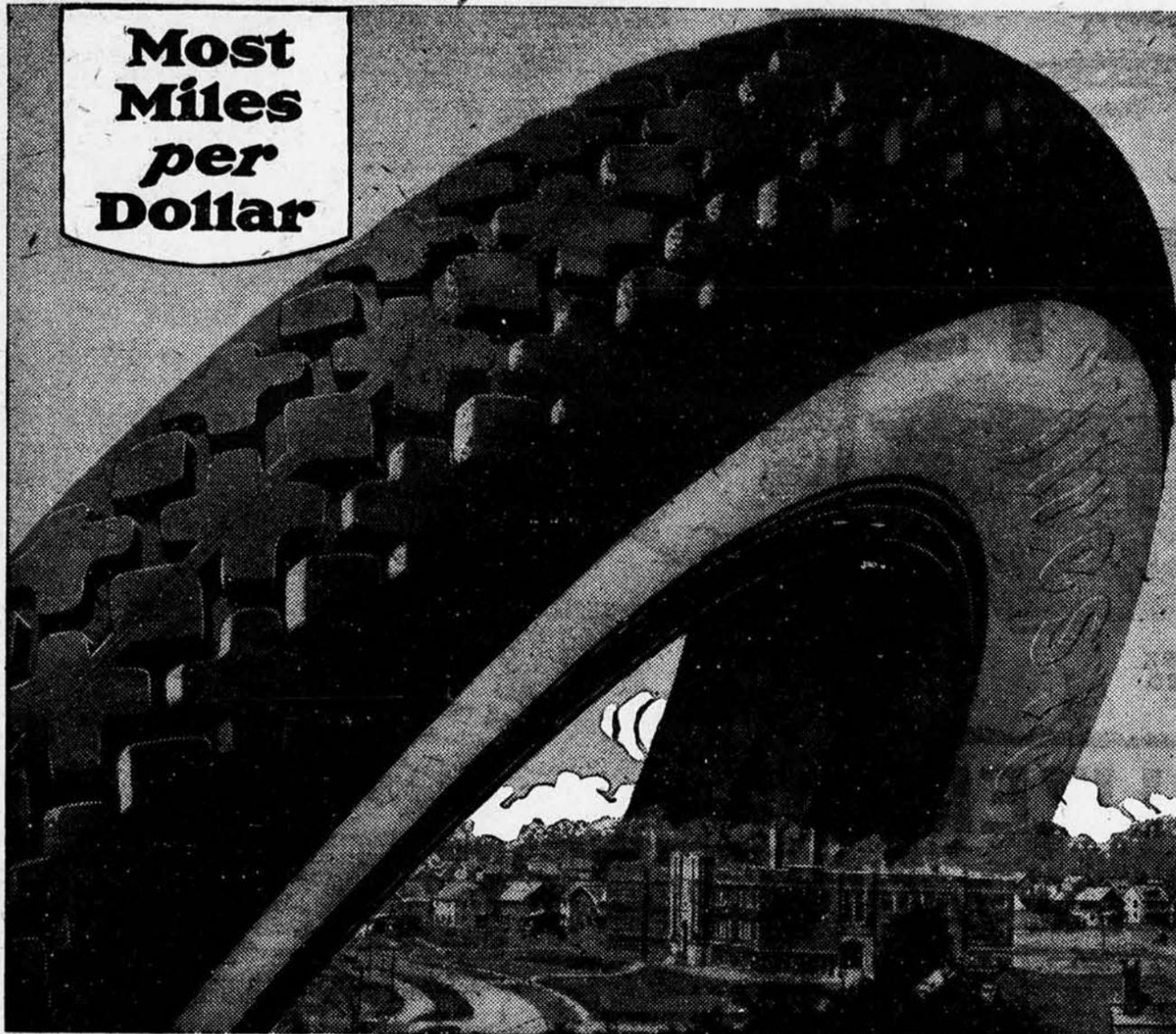
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Firestone Park, a community of homes, churches, schools and all incentives to loyal citizenship—is an example of the way in which the Firestone organization shows itself mindful of the importance of the home in any great working group.

In Firestone Park are gathered together Firestone workers who are also owners of their homes and stockholders in the business.

They are united by every motive of personal pride to make tires of best possible quality at lowest possible cost. Firestone's resources in capital and workers such as these, create economies that are passed on to the car owner in more tire for the money—most miles per dollar.

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on all smokers' articles, smoking and
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Saves money, too—because
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WHEN WRITING TO ADVERTISERS PLEASE MENTION THIS PAPER.

Cropping Systems That Pay

(Continued from Page 8.)

vide feed in years of scant feed supplies from other crops. Of course, where a farmer has a good acreage of alfalfa he is generally safe but for those who do not have that crop growing on their farms, one or more of the reliable feed crops should by all means be included in every rotation.

Third, provide for plentiful supplies of pasture. In the eastern half of the section under consideration, this will mean, on many farms, the planting of some tame grass. The one which should be planted will be governed by local conditions. Many are the farmers who would find it profitable to turn some of their cultivated acres into pastures or even meadows. The men who will testify to the increased pasture needs can be found in almost every community.

Fourth, by all means have at least one inter-tilled crop in every rotation scheme. This will become especially valuable as a weed exterminator. This crop will vary with the different sections, but generally speaking, more than one for each rotation scheme will be easily found.

Fifth, if possible, have about the same area of each crop you grow each year. This will not make it necessary to invest in additional machinery or work stock, aside from giving you about the same general amount of crops for market. Probably, over most of the section under consideration, wheat should be the principal money crop. So grow wheat, but do not grow it to the exclusion of every other crop. If you do there is absolutely no doubt but that you will eventually regret your action if you own your farm.

Specific Results from Rotations

The agricultural experiment stations of Kansas and of Missouri have accumulated some very interesting and instructive data upon the value of growing corn, for example, continuously and in a rotation. The Missouri Experiment station found: Corn grown continuously gave an average yield of 11.8 bushels an acre as an average of 17 years; while corn grown in a rotation made up of corn, wheat and clover, gave an average yield for the same period of 50.7 bushels an acre. Where barnyard manure was used in the rotation at the Missouri Experiment station, the average corn yield was 77.6 bushels an acre.

The Kansas Experiment station compared corn grown continuously with different rotations which embraced corn. The results, on eight years of work, were: Corn, continuously, 17.6 bushels an acre; corn in a rotation of corn, corn, and wheat, 22.7 bushels an acre; corn in a rotation of corn, cowpeas, and wheat, 32.8 bushels; corn in a rotation of corn, corn, wheat and cowpeas, 34.5 bushels an acre; and corn in a rotation of corn, wheat, and alfalfa, 44.9 bushels an acre.

It cannot, of course, be said that every crop will respond as well as corn to the growing of it along with other crops in some regular order, but certainly the results from growing it in a rotation give a clue as to what the farmer may expect by growing his crops in a regular rotation scheme. If there were serious drawbacks to the adoption of a rotation on the farms of Kansas and of Oklahoma, there would be some excuse for the failure to adopt it, but I know that such is not the case. Why not adopt a rotation for your farm?

Big Returns from Four Cows

The milk sold last year from four cows owned by Bert Taylor of Derby returned \$1,045.57. In addition to the returns from milk sold, which Mr. Taylor reports from his book, the cows produced the milk used by his family, enough to feed two calves for 21 days and two heifer calves as long as they needed the milk. Three of these cows are grade Holsteins and the other a grade Shorthorn. They were fed alfalfa, fodder, sheaf oats, some corn and hay. After harvest they converted the crab grass and other vegetation in the stubble fields into milk. The milk was picked up by a driver on a regular milk route and sold in Wichita, 35 cents a hundred being charged for hauling.

Co-operation, to many Kansas farmers, spells bigger profits.

Jayhawker's Farm Notes

By Harley Hatch

WE SUCCEEDED in getting the last of our oats sown about three hours before the terrific wind of March 3 struck. When the mail came at noon on that day we read the certain promise of a bad storm on the way, so as soon as the last of the oats were in the ground we hitched to the feed wagon and brought in a load of straw and another of corn fodder. About the time this was in, the wind struck; then we immediately smelled smoke and looked up to see a prairie fire bearing down on us from the northwest, right with the wind. That meant dropping chores and hustling out to help fight the fire. We got in well after dark, thinking that on the whole we had put in a day.

Sowing Oats

By plowing the ground last fall, then double disking this spring and then cross harrowing before drilling, our oats went in the ground in about the best order of any we ever sowed. We think that he have now done all we can do. The rest lies with the weather. Here is where farming differs from any other occupation; we have to take two chances while other workers take but one. For seed, we had 22 bushels of oats which were the product of the volunteer crop which lived thru the winter of 1918-19. The actual weight was 39 pounds to the bushel, the measure being stricken off level full. Our drill has not a very large sowing capacity and we had thought these big oats might not feed thru fast enough so we opened it as wide as possible. Two rounds showed that the seed was running out at the rate of 4½ bushels to the acre, so we closed it down until it was sowing 2¼ bushels. When these oats were gone we sowed those of spring seeding which were smaller and which weighed 36 pounds to the bushel. When we came to these we had to open the drill a little, showing that weight and not size was what hurried the seed thru the drill.

Less Hay This Year

I was talking with one of the leading bankers of this part of the state this week regarding the outlook for the profitable handling of the coming prairie hay crop. He agreed with me that if present conditions hold there is every probability of a large acreage of native hay not being cut this coming summer. These present conditions are: A carry over of the 1919 crop amounting to at least 60 per cent; the very probable chance that the shipping situation will not improve within the next year and the practical certainty that wages in haying will be as high as last year, if not 20 per cent higher. Add to this the likelihood of a further decrease in prices and you will at once see that the chances for profitable handling of the native hay crop in this locality is not of the best. Should we at once get cars to move the 1919 crop the flood of hay at terminal markets would reduce the price \$5 a ton, so the only hope for profit on that crop seems to lie in feeding it.

Float for Water Tank

From Canton, Kan., comes an inquiry regarding the use of a float to shut off the flow of water into a tank. This inquirer has a big tank at the well which he can cover to prevent freezing and he wishes to run the water from this in a pipe to another tank on lower ground. He wishes to know if he can put in a float at this lower tank which will shut off the water when the tank is full and which will not freeze in cold weather. I am unable to say, never having had a proposition just like this. My guess would be that a float put in the lower tank would freeze in cold weather. As this inquirer says, there are many ponds in Eastern Kansas having a pipe leading from the bottom thru the dam to a tank below which have floats that shut off the water when the tank is full but such tanks are usually located in a pasture where the water is used only in summer so that freezing does not bother. I would advise this inquirer to put this question up to some

manufacturer of floats. His local hardware dealer could no doubt give him the needed address.

The Best Farm Tractor

Many farmers have asked our opinion regarding the best size of tractor to buy for the ordinary farm of 120 up to 320 acres. Our answer is, if you wish a tractor to do other farm work beside plowing such as disking, harrowing, pulling a grain harvester or corn binder, get the 2-plow size. If you expect to do heavy belt work with a tractor such as pulling a grain separator it would be better to get a larger size. But for all ordinary farms of 320 acres and under I think most farmers will find the 2-plow tractor large enough. It costs little more than half to buy and the operating costs are much less. Every man will have to be his own judge of the work he will have to do and should gauge the size of his tractor accordingly.

Lightens the Horse's Burden

If there is any harder plowing in the United States than we have here when we hit the gumbo bank of some run thru the field I would not know where to look for it unless it might be where rock crops out. I know that three horses hitched to a single plow cannot get thru this gumbo if the plow is set to get up much more than an inch of it. Yet the tractor pulls its two 14-inch plows, right thru the gumbo and never hesitates. Of course,

it is new and so perhaps has more power than it will after having been used two or three years, yet I see no reason why it cannot be kept in good condition by proper care the same as a motor car. I am free to confess that I think much more highly of the tractor than I did last fall. I do not know that it will plow or disk an acre of ground any more cheaply than horse power can do it; it may cost more in the end and it may cost much less; time alone will determine that. The best point of the tractor lies, I think, in being able to jump in at just the right time and do a lot of work in a hurry.

Speeds Up the Work

In other soils the ability to work the ground at just the right time probably does not count for so much as it does here. Our soil is a heavy one and there is a "just right" time in which to work it. With a tractor even of a 2-plow size one man can do virtually twice as much as can one man with a gang plow drawn by horses. In harrowing, so I am told by those who used them last season, a tractor is by far better than horse power. Not only can just the right motion be kept up but the tractor does not tire, is not overcome by the heat and is not troubled by flies. It is not the draft of the grain harvester that makes the work so hard. It is the heat and flies combined. I like horses too well to see them suffer as horses often do when pushed during a busy time, for that reason the tractor appeals to me. There always will be plenty of work left for the horses on the average farm even if the tractor takes the killing jobs.

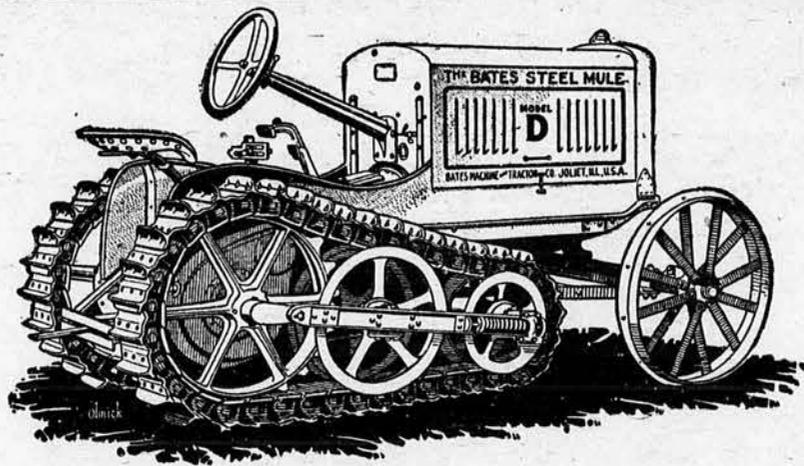
He that by the plow would thrive, himself must either hold or drive.— Benjamin Franklin.

Your earning power when it rains is made sure by



TOWER'S FISH BRAND REFLEX SLICKER
Look for the Reflex Edge
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Established 1836
Boston, Mass.

25 Cords a Day
Easily Sawn By One Man. Easy to move from cut to cut. Make big profits cutting wood. Cheap and easy to operate.
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Does 10 men's work at one-tenth the cost. Makes work easy. Engine can also be used for running pumps and other machinery. Saw blade easily removed. Write for our low price. Cash or Easy Payments.
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A Better Seed Bed

GREATER grain yield on your farm calls for greater efforts at the source—the seed bed. And it is with the Bates Steel Mule that you will solve your greater production problems.

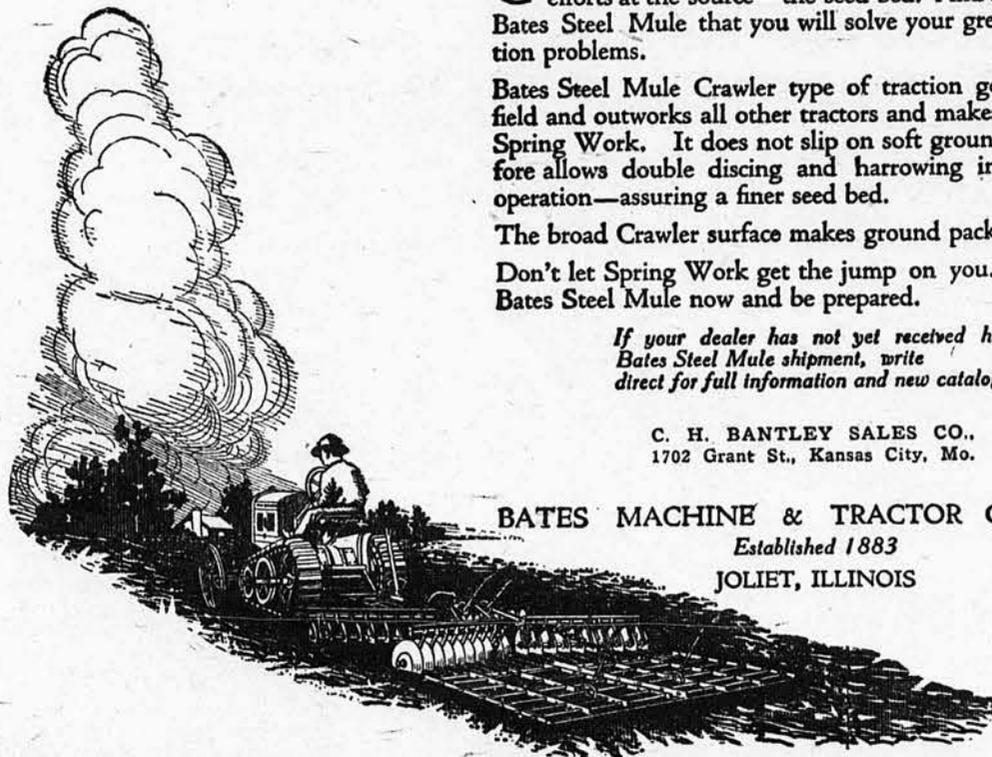
Bates Steel Mule Crawler type of traction goes into the field and outworks all other tractors and makes playtime of Spring Work. It does not slip on soft ground and therefore allows double disking and harrowing in one quick operation—assuring a finer seed bed.

The broad Crawler surface makes ground pack impossible. Don't let Spring Work get the jump on you. Buy your Bates Steel Mule now and be prepared.

If your dealer has not yet received his Bates Steel Mule shipment, write direct for full information and new catalog.

C. H. BANTLEY SALES CO.,
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BATES MACHINE & TRACTOR COMPANY
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JOLIET, ILLINOIS



Bates Steel Mule
The most efficient Tractor in America

You Get What You Give

WHEN a business fails the financial statement reflects the conditions at that time, but the real reason for failure is seldom shown. In many cases the true reason is that the business performed no service which was necessary or useful to society generally.

Every individual must give a useful service if he is to prosper, for society will refuse to maintain him if he fails to be useful to society.

When we find a business which has been notably prosperous over a long period of years, we may be sure that it has won its position by performing a service useful and necessary.

That, in a word, explains the continued, ever-increasing success of the Standard Oil Company (Indiana.)

This Company is included in the list of big business because the ideals of service which it holds and maintains are big.

The Standard Oil Company (Indiana) is big because it recognizes the necessity of developing its sphere of usefulness to the highest degree and of maintaining this high standard in spite of every obstacle.

The success of the Standard Oil Company (Indiana) proves that it is performing a useful service and that every link in its chain of achievements is delivering an added benefit to civilization and to you.

Service is the first consideration of this organization, for it knows that by increasing its service to the public its earnings will automatically grow, and all will profit by its activities.

Standard Oil Company
(Indiana)

910 S. Michigan Avenue, Chicago, Ill.

1930

Among Colorado Farmers

THE per capita consumption of potatoes in America is less than 3 bushels—about one-third that of Europe. America has not kept step. It is timely that Colorado, with an annual production of about 15 million bushels, should do its part toward increasing the consumption. Colorado Agricultural college has issued a circular giving recipes. This will be sent on request.

Smaller Trees for Planting

The planting of trees for shade and windbreak purposes on irrigated land in this state is likely to be most successful, in the end, if nursery stock of small size is used. "The common idea is that the planting of a good sized tree gives that much gain in time and growth over a small one," says Professor Longyear of Colorado Agricultural college. In some cases this may be true in part especially where some water for irrigation is available and with favorable soil conditions. In the main, however, the smaller trees are easier to establish and in a few years may overtake the larger ones and give more nearly permanent results. The planting of large trees is nearly always followed by a stunting effect while the small trees may start into vigorous growth during the first season. Then, too, the first cost of small trees is much lower than that of the larger sizes and the planting is correspondingly inexpensive.

In all cases clean cultivation should be maintained around such trees during the summer season or until the middle of August.

Progress at Lamar

The last six years, or from the time the Helvetia Milk Condensing company built its plant at Lamar, Colo., have marked many changes in rural conditions. The price of the non-irrigated land has advanced from perhaps \$3 an acre to from \$12.50 to \$25.

Previous to the building of the condensery the homesteaders with limited means had difficulty in making ends meet, especially when they experienced a crop failure a year or two in succession. At that time when crops were good there was no market for them, consequently the homesteader was working under great hardships.

Conditions are changing rapidly. In the last few years the settlers are realizing what a few dairy cows mean to them and the people are more prosperous. There now are three milk routes extending into the upland country which are passing more than 100 homes. This makes it possible to market the milk daily at the same price paid by Eastern markets, in other words, the market is brought to the homesteader's door. This community is no longer the West, for in a few years the country will be as densely settled as the East. The opportunities are much greater here than in the East and for anyone who is in dairy farming

it is well worth his while to look into conditions here. Land in the East is approaching prohibitive prices, especially for the beginner or anyone of limited means. For one to start out under those conditions and expect to save and eventually own his own land it is almost a lifetime job.

In the last year the wheat yields were from 15 to 20 bushels an acre; maize, kafir, feterita and corn from 20 to 40 bushels, and corn for silage purposes from 8 to 10 tons. These yields were produced in many cases under conditions where the farm operations were not so thoro as they might have been. Thoro cultivation for maximum yields is as essential here as anywhere else.

A quarter section of dry land, if properly handled, will produce sufficient feed for a herd of 12 or 15 dairy cows. The first essential is to have a silo. A very inexpensive type is the pit silo, of at least 100-ton capacity. The crops grown should be at least 20 acres of corn, 30 acres of kafir, maize or feterita, and 10 or 12 acres of wheat. The corn should be used to fill the silo, the maize and surplus grain ground for the cow, and the wheat sold in exchange for alfalfa hay. If a farmer has this supply of feed, and gives his herd the proper attention as to housing, an average yield of 6,000 pounds of milk can be obtained easily, and by careful selection can be increased to 8,000 pounds or more.

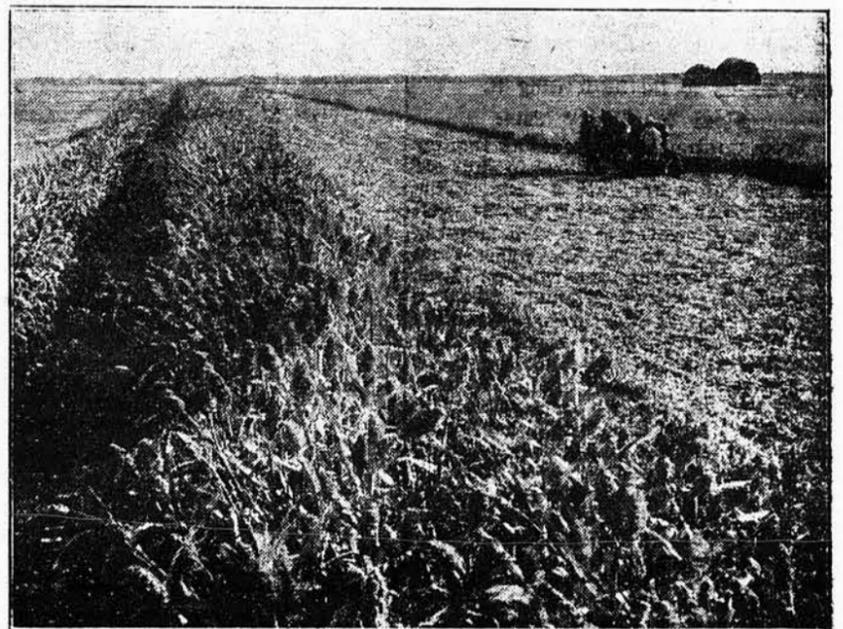
The average price paid for milk by the Helvetia Milk Condensing company last year was \$3.25 a hundred, and with a 6,000-pound yield this will average \$195 a cow, and for a herd of 15 cows will amount to \$2,925. By placing the land value at \$20 an acre, and the cows at \$150 apiece for 15 cows, it will total \$5,450, or a proposition of this kind can be handled, financially, with from \$5,000 to \$7,000. Comparing this with a farm and herd of that size in any other place would mean a capital of \$20,000 to \$30,000. By careful, conservative farming one can pay for his herd and farm in a few years, whereas if one undertakes the same proposition in the Eastern states, he has a lifetime proposition. It is a great satisfaction for one to have a home of his own, without a mortgage on it, for the greater part of his life.

Lamar, Colo.

C. Stocker.

An Experience With Trucks

I am 18 miles from Pueblo, where we do most of our buying, and for three years I made these trips with team and wagons. I purchased a 1/2-ton truck a year ago, which cut these trips down to one day's time, and the expense was not half the cost of going with a team. I saw in this small truck the possibilities of a larger truck and about two months ago I purchased a 1-ton truck. I am unfortunate enough to have to haul water 6 1/2 miles, which takes from 6 to 7 hours, three trips a week with horses, for five bar-



In the Irrigated Country Near Lamar, Colo.; Big Yields are Obtained in This Section; Alfalfa is a Leading Crop.

rels. I now haul six barrels in 2 hours with a truck, a saving of at least 13 hours a week. I figure the cost at about 50 cents a trip and with this scarce and high priced farm labor, I figure a big saving in that job alone.

I find in hauling off crops and stock and hauling in supplies just as big a saving as the water job. I think a motor truck and a two-row weeder cultivator are about the best investments a farmer can make. C. C. Butler. Boone, Colo.

Construct Silos Early

Manufacturers say this year is to be the banner year in silo building. Farmers should get their orders in early and have the silos built before they are needed, according to R. W. Clark, extension specialist of the Colorado Agricultural college. Last year ordering was put off until late and on account of the dry weather in some parts of the state many orders given early in the season were suspended until after the rains came. This condition was very undesirable and many a farmer was disappointed in getting his silo up when the crop was ready.

To avoid this condition again farmers should look well ahead and plan accordingly. Farmers have plenty of time to put in a pit silo if they will start it early. They should set aside a definite time when this is to be done and do it. Thousands of pit silos are needed on the dry lands, and the dry land farmers will not be satisfied until they get them.

Let's Consider the Future

(Continued from Page 6.)

for success in the city gets more difficult every year. Success is to the strong, while the weak go down, and do inferior work all their lives, under a boss.

If there were a real appreciation of what city life really is among the young men, the drift toward the white lights would almost stop. It is true that the wages paid for ordinary work in the cities seem high, but measured in terms of what these wages will buy they are low. If you question that statement figure out what living costs are today. Or, better still, if you are a young man and are thinking of making the plunge into the mad scramble of the city, take a vacation of a few weeks or months from the farm. Come to Topeka, or go to Wichita or Kansas City, and get a job at ordinary work, which perhaps looks so good to you. Find out from personal experience how much "brightness" you can get from the wages which seem so attractive to you now. Talk the matter over with some of the older men you encounter who have made perhaps the average success. Ask them whether they would stay with the farm if they had a chance to do it over. Then make your own decision.

Opportunities will always be best for the average man in the country, near the source of the food. There is a considerable proportion of the people of the cities who are actually not getting enough to eat today. There is much complaint of living costs, despite the fact that farmers in many cases are not getting a fair price for farm products.

Farming is on a much better economic and social basis in Kansas today than in any past year. It will improve steadily in the future. On the other hand, the cities are becoming so congested, with such a high proportion of the workers, that the cost of living always will be high. Unless a man is equipped to do the work of a specialist he had better think a long time before embarking in the mad fight of the cities. The day of the country has arrived. The future is bright with promise.

Advertisements Guaranteed

We guarantee that every display 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 promptly, 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 the Kansas Farmer and Mail and Breeze."



Abundant Power Demands a Tractor Magneto

Abundant power means complete ignition of any grade of fuel securing the full force of the explosion at the instant when the piston is at the top of the power stroke.

The New Hart Parr gets its abundant power for three plows from the intense, hot spark delivered by a K-W Magneto.

This magneto is designed specially for tractor service—to produce a sure spark at low speeds—to stand the severe conditions of farm work—to give reliable service without expert attention.

The longer a firm has built tractors the more certain you are to find them using K-W Magnetos.

When you're looking for power in a tractor see that the magneto bears the K-W trade mark.



Send for free book of Tractor and Magneto information. 22 Pages—Illustrated.



Magneto

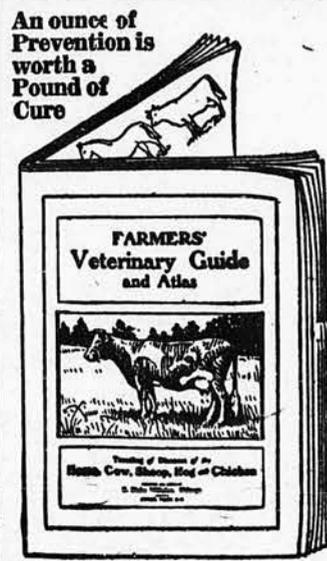
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How to Obtain Farmer's Veterinary Guide and Atlas Absolutely FREE!

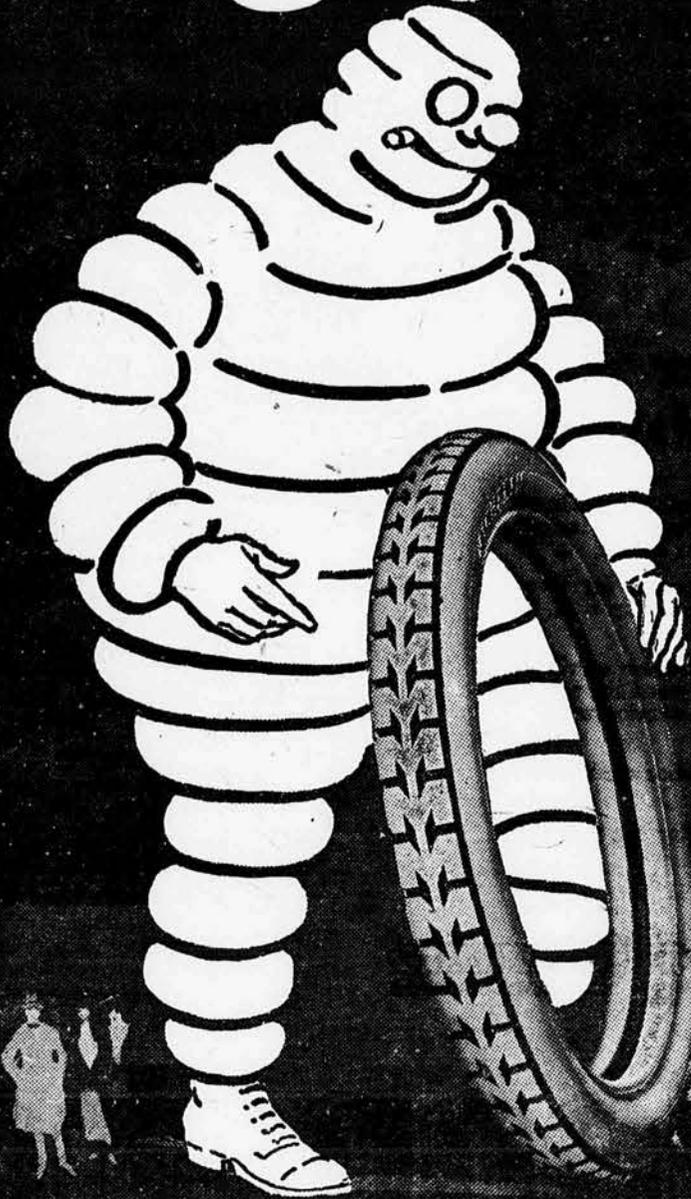
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 Enclosed find \$..... to pay for Kansas Farmer and Mail and Breeze for the term of years, and send me the Veterinary Guide free and postpaid as per your special offer.
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30 X 3 1/2



The small car is moderately priced because it is a small car—not because poor materials are used in its construction. Maintain its efficiency and economy by using Michelin Tires.

Small size Michelins are made of the same quality materials, by the same careful workmen, in the same modern factory that have made Michelin Ring-shaped Tubes and other Michelin products famous.

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Dealers in all parts of the world

To Obtain Quality Wool

The cash value of a crop of wool depends not only on the care and management of the flock during the wool growing season, but also on the manner in which it is removed from the sheep's back, packed and marketed.

The time to shear sheep depends on conditions where proper barns and sheds are provided to give the animal protection, in case of cold, damp weather. The wool may be taken off as soon as the weather is warm enough to cause the grease to rise in the fleece. This adds weight, gives the wool more life and makes shearing easier. Where poor shelter is provided it is best to wait until the weather is settled and danger from cold wet rains is past, because sheep take cold easily and this may result in a loss to the flock.

Sheep that are not in lamb or nursing lambs should be shorn first. Ewes heavy in lamb may be injured during the shearing process. Ewes nursing lambs may take cold, which is likely to retard the flow of milk, thus giving the lamb a serious setback.

Should cold, wet weather set in after shearing place the sheep in a dry place free from drafts, using plenty of dry bedding. Sheep may be shorn either with hand shears or the power machine. The machine will cut closer to the body, does not make so many second cuts, or as many cuts in the animal's body, and the inexperienced person can do a much better job than with the hand shears. Experienced sheep shearers are getting scarce and the average flock owner could well afford to have a machine.

Before starting to shear have all tools, twine bag and place to do the shearing handy. A clean, dry floor free from dirt and dust is an excellent place to do the work. This should be close to the pen where the sheep are penned, to avoid losing time catching the animals. To do a good job in shearing, the wool should be removed smoothly, close to the body, in such a manner that the fleece is not torn apart.

The animal is set on its rump with the body tilted backward against the knees of the shearer, so the hind feet do not touch the ground. Thus the animal cannot struggle so readily. There is no certain method of procedure in removing the fleece as most people do the job a little differently. However, first shear down the belly and sides, up on the neck, around the sides and up the outside of the hind quarters.

After the fleece has been removed all dung tags and wet portions should be removed. The fleece should be rolled in a neat bundle, with the flesh side out and tied with either paper or wool twine, the former preferred. Sisal twine should never be used as it adheres to the wool and lowers its value because it will not take the dyes and is harmful to the strength and finish of cloth. The tying of the fleece may be done by rolling it up or by the use of the wool tying board; the latter is to be preferred by the inexperienced person. Do not tie the fleeces too tight, as it makes the fleece appear too heavy for the bulk. Wool should be packed in wool sacks which average about 7 feet in length and hold about 275 pounds, depending on the kind and condition of the wool. These bags should be filled by means of a wool ring. The bag is attached to the ring and fastened so it barely touches the floor, and a person gets in the bag to thoroely pack the wool. It is a good plan to keep the grades of wool separate, where enough fleece is taken off to make it practicable. It should be the aim of the wool producer to put a good honest package of wool on the market.

The marketing of wool has been unsatisfactory in the past, but as the people realize more the value of sheep the number will increase. This will make the pooling more satisfactory because larger amounts of wool can be centralized, thus giving more inducement to the buyers. The pooling of wool will be educational as the grower will receive the value of his wool based on the grade, quality, condition, and cleanliness of the product.

There's many a farmer now, who, while enjoying a commodious bathtub, recalls the day when he had to sit on the narrow edge of a galvanized iron wash tub, while taking a swim.

Classified Advertisements

Reach

You don't try to shoot ducks at night, so why "shoot in the dark" when you have something to buy or sell. The 125,000 readers of Kansas Farmer and Mail and Breeze fall naturally into the classes of buyers and sellers for myriads of articles. A classified ad shoots straight to the mark; it isn't a matter of luck.

Classified Buyers



PREMIER BRAND
Egg Baskets, Egg Boxes, Chick Boxes; Buckeye and Sure Hatch Incubators, Hovers; Best Line Water Fountains, Feeders, Poultry Supplies. Save 5 to 25%. Catalog Free. WESTERN BOX AND BASKET CO., Omaha, Nebraska.

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Hand and power, the size you need at a price you'd like. Work done in one-fifth the time. Built of all steel and iron like the \$500 mixers but simpler. The Leader of Little Mixers. Perfect work in any class of mixing. Empties Clean, Batch of about 3 cubic ft. a minute. Only practical mixer for farmer or contractor. Satisfaction guaranteed or Money refunded. Write for circulars or order from this advertisement to avoid delay.
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THE LITTLE WHIRLWIND MIXER CO., 424 Grand St., LA CROSSE, WIS.
8 MEN CAN'T STICK IT!

Kansas Farm News Notes

FULLY 98 per cent of the men attending the Farm Short Courses at the Kansas State Agricultural college are direct from the farms. There are 123 enrolled the present term. Twenty per cent of these own their own farms. Fifty per cent are still working for their parents, 18 per cent are tenants, 6 per cent are farm managers and 6 per cent hired farm laborers. A number of the best farmers in Kansas are men who have taken this short course work, spending 8 weeks during the winter season, getting agricultural information and obtaining inspiration for continuing their studies and working out better methods on their home farms.

High Prices for Chickens

A Dickinson county poultryman and fancier recently paid \$2 apiece for 300 White Leghorn hens at a public sale near Chapman. This man operates a 10-acre chicken ranch about 2 miles from Chapman and is making a financial success of the business.

Demand for Walnut Logs

Walnut logs from along the streams of Eastern Kansas are still being extensively marketed to provide material for airplane propellers and high-grade furniture. It was expected that the ending of the war would reduce the demand for walnut, but it continues and high prices are being paid for the logs.

Weather by Wireless

Weather forecasts by wireless will be sent out by the physics department of the Kansas State Agricultural college. "A receiving set can be purchased for \$35," says E. A. Stewart of that department, who is arranging to supply this service. It will be sent out daily at 9:55 in the morning at the rate of about 18 words to the minute.

Farmer Donates Library Building

A free library building is to be erected at Republic, Kan., by C. C. Hobson and wife as a memorial to their son, Ray Hobson, who was killed in action in France. The mayor and council met with Mr. Hobson and agreed to furnish a site for the building. A small tax levy has already been voted to provide the necessary funds.

Large Wheat Acreage Fails

It is expected that fully 2 million acres of the wheat sown in Kansas last fall will be abandoned and the ground planted to other crops, says E. J. Smiley, secretary of the Kansas grain dealers' association. It is too early to make positive predictions. With a loss of 2 million acres there will remain about 7,196,000 acres to harvest, of which 2 million acres is volunteer and of doubtful character.

Potato Seed Infected

Plant disease experts report that Northern seed potatoes shipped to Kansas last year were badly infected with scab and black scurf. Many poor stands resulted from planting this infected seed. The experts recommend treating all seed potatoes with a corrosive sublimate solution made by dissolving 4 ounces of the poison in 30 gallons of water, using wooden tubs or barrels as containers. Leave the uncut potatoes in the solution 30 minutes. After each batch of potatoes has been taken out add an ounce of the corrosive sublimate and enough water to bring the total solution up to 30 gallons. After doing this four times, make a fresh solution.

Farmers' Commission Firm

Approximately 100 local farmers' union business associations are making co-operative livestock shipments to the farmers' union commission firm at the Kansas City market. This firm is now in its second year and has become one of the strong firms doing business in the yards. "Some of the Kansas locals never have consigned a car to this firm," said Mr. Woodman, the manager, "but no local has dropped

from our list of customers after once making a trial shipment." Patrons are included from seven states. From Wayne county, Iowa, seven local associations consigned 100 cars of stock within a 90-day period recently. Managers of many of the local shipping associations have worked out very satisfactory methods for prorating the returns.

"Neighbors' Day" Announced

"Get acquainted with your neighbor; you may like him" is a slogan which has been adopted by some of the farm bureaus of Kansas. "Neighbors' Day" is now to have an official standing, the last official act of Franklin K. Lane, the retiring Secretary of the Interior in President Wilson's cabinet, being the proposal of this plan to celebrate the idea of reviving community and neighborly spirit on June 14, which is also Flag Day. Representatives of the states and of the large patriotic and religious bodies were called to a conference in Washington March 20 to formulate

plans for fostering a return to the old spirit of neighborly co-operation which existed to a greater degree in the earlier days.

Pig-Eating Sow

We have been asked if there is any cure for a pig-eating sow. As a rule sows eat their pigs because they have not received enough bone and tissue building material during the gestation period. As a result they develop abnormal appetites. Give them some fankage and charcoal, and keep them supplied with salt. There should be as much variety as possible in the feed before farrowing. If alfalfa is available keep some before the brood sows constantly. Pig-eating indicates a depraved appetite and the remedy is rational feeding during the gestation period. Some recommend feeding the pig-eating sow salt pork. Others report success from giving her a big feed of tankage.

The sow that has once eaten her pigs is very likely to acquire the habit and do it again. Unless the pig-eating sow is a very valuable animal it is safer to put her in the feed lot and not give her a second chance.

A profiteer is a person who seems continually to seek to put the extra straw on the camel's back.

PAINT

Weaver Barn and Roof Paint, \$1.25 per gallon.
House and Wall Paint, \$2.25 per gallon.
In five gallon cans; in half barrels (30 gallons), 10c per gallon less.
In barrels (50 gallons), 15c per gallon less.
Oils, turpentine, white lead, and other paint supplies. Save half on your painting costs. Send us your orders. Send us your inquiries.

Talltimber Mfg. Co.
Talltimber, Texas

100 STRAWBERRY PLANTS 50¢
Send today (enclose 50c) and get 100 choice Strawberry Plants. Don't delay. Nursery stock very scarce. Order now to insure shipment in ample time for planting. Guaranteed to reach you in perfect condition ready to set out. Rapid growers. Prolific bearers. Large, plump, and sugary berries.
FREE Send for our Big New Catalog on Arkansas Grown Trees, Plants and Seeds. Shows way to success with fruit.
ARKANSAS NURSERY CO.
Dept. 37
Fayetteville, Ark.



Two-ton Gramm-Bernstein with 5-in-1 Combination Farm Body as used in sugar beet fields in Putnam County, Ohio

Ready for the Body— Not an Extra to Buy

Again Gramm-Bernstein is pioneering, in selling its trucks completely equipped.

This means that Gramm-Bernstein savings begin before the truck is put to work. They actually begin with the purchase of the chassis itself.

No one, we believe, appreciates better than farmers themselves the need of trucks on the farm, nor the time and money a good truck will save.

All truck buyers have always had to invest upwards of \$500 in extras before they could put their machines to work.

Nothing of the sort with Gramm-Bernstein. It comes to you completely equipped—ready for the body—not a single extra to buy.

In this, as in the industry itself and most of its forward steps, B. A. Gramm has led the way.

Gramm-Bernstein records fairly bristle with figures that show these trucks haul for less, both in operation and upkeep; that they last longer; that they are actually

better built; that they do require far less service and repairs.

Every farmer owes it to himself, before he buys a truck, to be sure he is making the best investment he can make.

On that score, we recommend the Gramm-Bernstein—most earnestly.

We sincerely believe that the Gramm-Bernstein far excels in downright, honest, dollar-value.

The nearest Gramm-Bernstein dealer will be glad to give you the benefit of his knowledge; or we will direct you to him if you will write us.

All Gramm-Bernstein Transmissions are trouble-proof and are provided with a pad for attaching Gramm's Basic Patent Power Take-off. Dealers and truck owners should assure themselves that any trucks purchased with power take-off do not infringe E. A. Gramm's Basic Patent No. 1194994

The Gramm-Bernstein Motor Truck Co., Lima, Ohio
Pioneers Since 1901—Builders of the First Liberty (U. S. A.) Truck

GRAMM-BERNSTEIN TRUCKS

SAVE MONEY ON FARM SEEDS

The choicest varieties, the highest quality we have ever offered, also some special lots of Grass Seeds, Alfalfa, Clover, Timothy, etc., that we are selling with our last at prices that mean a big saving to early buyers. All seeds sold subject to state or government test. Guaranteed exactly as claimed. Don't buy at fancy prices until you get our low prices. We have fine lots of all standard varieties Seed Corn suitable for all localities. Write us today. Address:

Jefferson Seed Co. Get This CATALOG FREE
Box 150
Jefferson, Iowa.

The Best Dwarf Essex RAPE

Seed is imported by us direct from the growers. Is superior to ordinary stocks. As nearly perfect as you can procure. Full information how to grow it, 130-page illustrated catalog and special red ink price list of farm seeds free on request.

Write today

IOWA SHIELD BRAND SEEDS

IOWA SEED CO., Dept 90 Des Moines, Iowa

Farming in Western Kansas

THE Fort Hays Experiment station has had more failures than successes with alfalfa seed crops. Even alfalfa in cultivated rows has not produced enough seed to recommend this method of growing for this section. During the seasons of 1916 and 1917 several station fields gave promise of producing profitable seed crops, but grasshoppers and blister beetles came in swarms, destroying the bloom and cutting off the pods. Alfalfa is so valuable as a hay crop that it usually is better to buy good, Kansas grown seed than to try to produce seed under ordinary Western Kansas conditions. In favorable situations in Northwestern Kansas and along the Arkansas River in Southwestern Kansas good seed crops frequently are obtained.

great wrong to lessen its power for good.

Every child should be taught that trees are among the greatest blessings man enjoys, and that the duty of planting, cultivating and protecting them is one of the duties of the good citizen. The child who plants a tree, cares for it, and sees it grow into a beautiful outdoor picture, or a valuable product, has done something to justify the state in educating and protecting him. He has fulfilled the great requirement of civilized society. He has "done some thing for somebody."

Kernel Smut

Kernel smut is the only sorghum disease of economic importance in Kansas. This disease affects the individual kernels, usually all the kernels of an infected plant. The kernels have a grayish-brown appearance, are longer than normal, and when broken or crushed are found to contain a mass of smut spores. These spores correspond to the seeds of other plants. They become attached to the sorghum kernels and germinate with them, producing a new smut plant, which grows within the sorghum plant and produces smutted kernels as before.

Kernel smut can be prevented by treating the seed with formaldehyde. Formaldehyde 40 per cent solution is added to water in the proportion 1 pound to 30 gallons. The seed is soaked in this solution for 1 hour and dried immediately. It is best to treat the seed just before planting. If treated before seeding time it should not be sacked until it is completely dry. Damp seed will heat within 24 hours if sacked. Only new sacks, or old ones dipped in the formaldehyde solution, should be used.

Milo and feterita are not known to be affected with kernel smut, and treatment is therefore unnecessary.

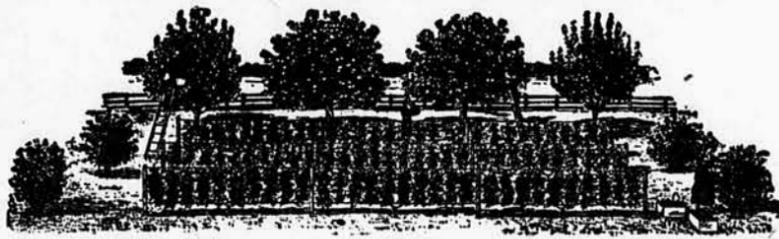
Tree Growing

Nothing can add more to the value of Western Kansas farms and homes than the planting of trees. It should be considered as a matter of the most vital importance. The man who grows a good tree improves his property in appearance and real money value, and he also adds to the pleasure of all who pass by. We owe it to the future citizens to make our state, our county and our school district as desirable a place to live as possible. There is need of millions of trees. They should be planted as soon as possible.

But more than enthusiasm is needed. A proper appreciation of the requirements of a tree in soil preparation, cultivation and general care is necessary for the tree grower. A spasm of enthusiasm at Arbor day is not sufficient. The interest must be sustained thruout the year, for many years. The citizen should feel that the cruel neglect of trees deserves only less censure than the cruel neglect of animals. The tree has a capacity for usefulness extending over a long period of time, and it is a

PRIZE WINNING SEED CORN
Imp. Reid's Yellow Dent and Boone County White. Also other farm seeds. Catalog free.
Ferry H. Lambert, Box F, Hiawatha, Kansas
When writing advertisers mention this paper.

SEED CORN
Pure Bred Reid's Yellow Dent
Every ear butted and tipped, shelled and graded. Germination almost perfect. Price: One bushel, \$3.50; five bushel, \$3.25; ten bushel, \$3.00.
Order now direct from this advertisement.
Brown County Seed House, Box B, Hiawatha, Kan.



17 Apple and Pear Trees, Grape Vines and Berry Bushes for You!
READ OUR WONDERFUL OFFER BELOW

The Seventeen trees, plants, etc., in this collection are GUARANTEED to reach you in good condition, and to grow to your satisfaction. Failing in which, they will be REPLACED, at your request, absolutely without charge.

Pedigreed Fruit Plants

The Red Raspberry and the Dewberry plants in this collection have been selected from fields that have made high records for heavy production of quality fruit. By following the Instructions, you can secure new plants every year from these we send you, and extend your planting every season. The REX everbearing red raspberry will begin to bear in ninety days after planting, and continue until fall. The vines bear large crops, year after year.

INSTRUCTIONS for PLANTING
are wrapped in each package. They are fully illustrated with pictures and diagrams, showing just what to do, and how and when to do it. By following these simple directions you will have success.

ONE SNOW APPLE



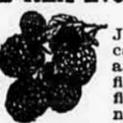
Deep red skin, almost black. Pure white flesh of peculiar rich flavor. Very sweet and juicy. Bears big crops at an early age. A Russian variety and very hardy.

ONE WEALTHY APPLE



Another favorite Russian variety. Yellow, overcast and streaked with red. Flesh is sweet, melting and tender, but slightly tart. Has few equals for every purpose.

2 REX Everbearing Red Raspberry



A picking every week from June to October. The new canes bear first year, 90 days after planting. Berries large, firm, sweet, and of delightful flavor. A most dependable new fruit.

2 Improved Lucretia Dewberry



Vines covered every summer with immense clusters of big, sweet berries. Rich, winey flavor. Very juicy. Individual fruits average 1 1/2 inch long and an inch through.

ONE KIEFFER PEAR



Large, angular, and slightly irregular in shape, this old variety is the standard winter pear everywhere. Dark green. A splendid keeper, at its best in late winter.

ONE BARTLETT BEAR



Yellow skin with red blush. Flesh sweet, juicy and spicy flavor. Very melon when ripe. Can be picked and eaten from the tree. Yields heavily, begins to bear early.

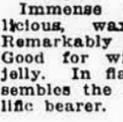
3 DELAWARE GRAPE - Red



Large, well-shouldered, compact bunches of bright red, beautifully flavored grapes. Makes jelly or grape juice of finest flavor and aroma.



3 NIAGARA GRAPE - White



Immense clusters of delicious, waxy-white grapes. Remarkably sweet and juicy. Good for wine, preserves or jelly. In flavor it much resembles the Concord. A prolific bearer.

3 CONCORD GRAPE - Blue



The best blue or purple grape grown, and the universal favorite. More Concord are grown and sold every year than all other varieties, on account of its wonderful quality.

"Calloused Grape Cuttings" Grafted Apple and Pear Trees

From selected vines in the best of the great Southern Michigan vineyards, cuttings about nine inches long are taken, and buried in damp, cool pits until they undergo a process called "callousing." The cuttings will then take root as soon as planted. The "Calloused Grape Cuttings" in this collection are all produced in this manner. They grow rapidly, make strong, healthy vines, and bear large crops.

These grafted apple and pear trees are produced by a method that insures every good quality. From bearing trees, the new branches ("scions") are cut, and carefully grafted to a root of the same type. The little grafted tree takes root as soon as it is planted, makes vigorous growth, and will outstrip and out-yield a larger tree planted at the same time. Each little tree is about a foot high.

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We will send this fruit collection with a one-year subscription to Kansas Farmer and Mail and Breeze for \$1.50 or with a three-year subscription for \$2.50.

Kansas Farmer and Mail and Breeze, Topeka, Kansas.

Enclosed find \$..... for which send me your publication for a term of years and the fruit collection postpaid as per your offer.

Name

Address

Weeks Financial News

HAS THE TIME arrived for financial markets to look differently than in recent months upon Europe as a factor in the prices of stocks and bonds and money? In the past week many investors, many borrowers of money and many speculators asked this question. It was almost dominant, and it aroused considerable debate. Not a few assumed that a turn has come in Europe and that its influence on American financial markets for the present, at least, is somewhat bullish. Many seriously questioned this view.

more consideration was given to the favorable effects of the changed policy of the statesmen of Europe as regards the restoration of the Old World to a peace basis, notably the efforts to improve economic conditions, than to the talk of gold shipments to the United States.

Why did financial markets suddenly begin to consider Europe in a different light? The answer is found in the announcement from London of plans to ship indefinite amounts of gold to the United States to settle a loan of 500 million dollars which matures against Great Britain and France jointly next October. Another factor in this connection was the report from abroad of plans for improving economic conditions in Europe proposed by the statesmen of England, France and Italy, these plans including a great loan to Germany to take precedence over the indemnities and reparations provided for in the Treaty of Versailles which President Wilson helped to frame. There was also talk of the possibility of a complete revision of that treaty with the idea of giving more attention to the economic advancement of the world rather than the furthering of schemes for revenge.

So strong is the fever for speculation that a large part of the public readily accepted the reports of gold movements from Europe as meaning that a new day has arrived in the foreign exchange situation. The English pound sterling was marked up to \$3.75, compared with the low figure of \$3.18 in February and the normal par of \$4.86 2/3. The German mark was boosted to 1.70 cents each, compared with the low of 1.01 in January and the par of 23.8 cents. The French franc was advanced to a point which sent quotations to 13.12 francs to the dollar, against a low of 15.20 to the dollar in February and a parity of slightly more than five to the dollar. Also, bullish price movements developed in stock markets.

Upward Prices for Stocks

Many speculators are so eager to engage in speculative operations in stocks and in foreign exchange that they made much of the rumors of European gold shipments and scarcely gave thought to reports from Washington that discussion is continuing there as to the proposed policy of deferring interest on \$9,659,834,649 which the allies owe the United States government and on which they have not yet paid any interest, to say nothing of the principal.

Heavy Gold Imports Expected

Rumors as to European gold shipments indicated that as much as 500 million dollars might be shipped to this country. Many financiers of prominence scouted these rumors, however, maintaining that Europe's reserves of gold have been and are still too low to permit considerable shipments without adding to the seriousness of the impairment in the banking position of the Old World. In conservative quarters

Upward price movements in stocks and bonds were almost general on established markets. Highly speculative issues not listed on established markets were still difficult to move, and should be purchased with extreme caution. Liberty Bonds made very small recoveries, and are still low. Railroad stocks and bonds have been prominent

in their display of strength, and it is believed that they would have made an even better showing except for continued foreign selling. Foreign bond prices moved with the changes in foreign exchange rates.

Questions and Answers

What are some of the railroad bonds which you consider a good, safe investment? —W. F. T.

Many railroad bonds can be found at attractive price levels. Before naming a few, I wish to express the hope that Kansas and neighboring states will put more money into listed railroad and other high class bonds instead of speculating in questionable oil stocks and in options on foreign exchange. One reason for this hope is my feeling that too many questionable oil stocks are being sold; also, I think many of the salesmen of these stocks ought to be doing something worth while, say using a pick and shovel to help build roads.

Following are some of the attractive railroad bonds, with the prices prevailing at the time I write: New York Central general 4 per cents, due 1998, at 68, or on a basis yielding 5.80 per cent, Kansas City Terminal Railway 4 per cents, due 1960, at 72, or on a 5.75 per cent basis; St. Louis and San Francisco prior lien 4 per cents, due 1950, at 59, or on a 7.70 per cent basis; Baltimore & Ohio, Southwestern Division, 3½ per cents, due 1925, at 71, or on an 11 per cent basis; Chesapeake & Ohio general 4½ per cents, due 1992, at 74½, or on a 6.20 per cent basis, and Seaboard Air Line 4 per cents, due 1950, at 61, or on a 7.15 basis.

Options on German Marks

What do you think about buying options on German marks? Please tell me how these options are bought and sold, and how safe they are. —N. S.

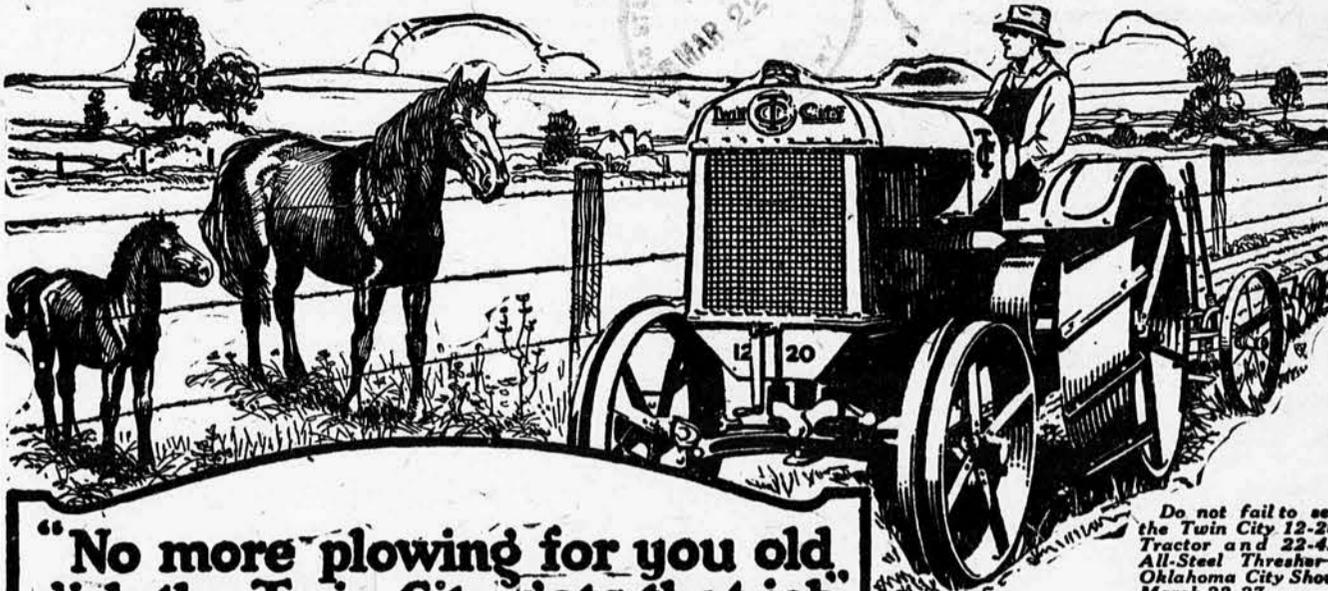
Buying options on German marks is a gamble. It's not safe. The seller sells to you the privilege of calling on him at a specified date for German marks at a fixed price. It is supposed that if the marks rise in the meantime, you will be able to cash in at a profit. If not, you lose on the gamble. There is another consideration. Some of the sellers of options on German marks are not as responsible as they ought to be. What if they close their doors and leave you with a receipt for options? There is such an immense volume of German marks in circulation that I would not buy options. To buy German bonds, the municipals in particular, is the best way to speculate in German exchange. A few days ago two different houses in Kansas City quoted the same German bond at two prices—one at \$14 and one at \$19. The former quotation came from a reputable house which told its customers they were gambling. The latter quotation came from brokers who have entered the German mark business to take advantage of the public's craze for speculation.

More Money for Liberty Bonds

I have some Liberty bonds called the Second converted 4½ per cent Liberty issue. I am offered only 90 cents on the dollar for them. Will I have to take that, or will they ever be worth more? If so, how soon? They are registered in my name. —J. R.

The bonds you own may be retired by the government at its option in 1927 and mature definitely in 1942. In the event they are retired in either of these years, you will get 100 cents on the dollar for these bonds from the government. At this writing, your bonds are quoted at \$89.52 for \$100 denomination. But on March 22, they will carry accrued interest of \$1.51 per \$100, making each \$100 bond worth \$91.03. After the present tightness of money begins to pass, we will see improvement in the prices of Liberty Bonds. When this improvement sets in will depend on the progress made in liquidating the huge volume of loans held by banks. This department will report when that time arrives. I feel it inadvisable to sell the bonds at the present extremely low prices. We will look back some day and wonder why we failed to appreciate the cheapness of these bonds.

The farmer has as much right to know where the things he raises go and how much the man who eats them pays as the manufacturer has to trace his products until they reach the hands of the ultimate consumer. But he isn't doing it.



"No more plowing for you old girl—the Twin City gets that job"

Many farmers who are used to the dependable power of fine work stock, have bought Twin City Tractors.

They bought a tractor to lighten the too-heavy job of good plowing—and they bought the *Twin City* Tractor because they couldn't get along with less than the *best type* of dependable power. Every farmer knows that heavy field work is a killer of fine horse flesh.

It doesn't pay to overwork fine live stock—every farmer knows that. But it isn't easy to overwork a *Twin City* Tractor—many farmers realize that too. Many years of the hardest kind of service are built into every *Twin City*.

The *Twin City 12-20* Tractor is unquestionably the outstanding performer of the year—for power, strength, quality of work and economy of operation. Judge its quality by such features as these: Sixteen-valve kerosene engine, the only tractor engine of this type, gives perfect fuel combustion; the removable cylinder head and cylinder walls mean simplicity in making adjustments; counterbalanced crankshaft means reduced vibration and long life; transmission directon both forward speeds; gears drop forged, steel cut and case hardened, running in dust-proof oil bath.

Write us today for full details of *Twin City* Tractors for any power job on any size farm. Also ask about all steel *Twin City* Threshers.

TWIN CITY COMPANY, Minneapolis, U. S. A.

Selling Products of

MINNEAPOLIS STEEL & MACHINERY CO.

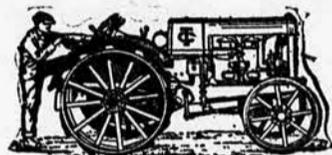
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 Southern Machinery Co.—Atlanta, Ga.
 R. B. George Machinery Co.—Dallas, Houston, Amarillo, San Antonio, Texas, and Crowley, La.

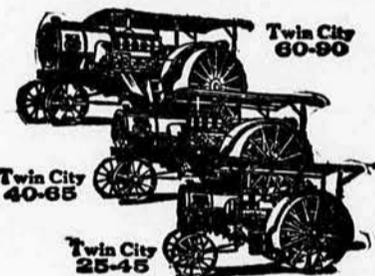
Eastern and Export Offices
 Minneapolis Steel & Machinery Co.—154 Nassau St., New York City

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Do not fail to see the *Twin City 12-20* Tractor and *22-42* All-Steel Thresher—Oklahoma City Show March 22-27.

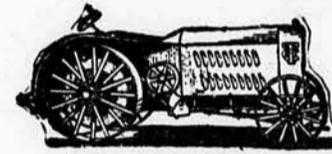


Twin City 12-20 Tractor

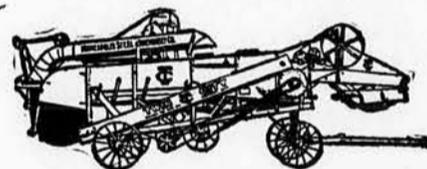


Twin City 40-65

Twin City 25-45



Twin City 16-30 Tractor



All-Steel Twin City Threshers 22-42; 28-48; 36-60

TWIN CITY

12-20 Kerosene Tractor with 16-valve engine

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 You can make your own concrete feeding floors, water tanks, troughs, and fence posts with idle hands on muddy days and save a lot of money with a



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SEED CORN

Experts predict continued high prices for corn. All the more reason to plant good seed and be assured a big crop yield. Labor costs too much, time and land are too valuable to waste with uncertain seed. Barteldes Seed Corn positively gets satisfactory results.

FREE BOOKS Send today for our big 1920 Catalog and Seed Annual—fully illustrated and brimful of descriptions of hundreds of varieties of Field and Garden Seeds. We will include Pink list giving prices on seeds in quantities, and, if you wish it, Free copy of Barteldes Garden Guide, used by thousands as the sure guide to best garden success. Write today! Address nearest house.

Barteldes stock is complete. Every bushel is highly tested, graded, cleaned and re-cleaned by experts trained in the Government laboratory. **Generous Sample FREE** Boone County White, Iowa Silver Mine, Reid's Yellow Dent, Golden Beauty and other standard varieties. Send at once for sample of the variety you want.

BARTELDES SEED COMPANY The Oldest Seed House West of the Mississippi River
 804 Barteldes Bldg. at Lawrence, Kansas Denver, Colorado Oklahoma City, Oklahoma



Speed Up Plowing with a Cletrac

Speed up your Spring plowing and seeding with Cletracs—and get a bigger grain harvest.

The Cletrac plows fast—rides easily over soft, sticky or hilly ground—goes anywhere. Turns short, gets the corners and swings back to the furrow quickly.

It travels the seed bed with a light, sure foot—no packing or “digging in.” Does the fast, thorough job that puts more acres under cultivation and produces bigger crops.

After the plowing and seeding, your Cletracs are all tuned up—they make short work of the harvest rush. The Cletrac’s the big all-year helper around the farm or ranch.

Replace your horses with Cletracs. One Cletrac does more work than six or eight animals, saves care and feed bills, cuts costs and boosts production.

The Cletrac dealer near you wants to tell you the interesting story of the improved Cletrac—with a bigger motor, a broader track, an exclusive steering device and a special water-air clarifier—that now sells at a lower price: \$1395 f. o. b. Cleveland.

See the Cletrac Dealer today or write for the helpful booklet “Selecting your Tractor.”

19035 Euclid Ave.
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The Cleveland Tractor Co.
“Largest Producers of Tank-Type Tractors in the World”

Hullet-McCurdy Tractor Company
1307 Waldheim Bldg.
KANSAS CITY, MO.

National Laws for Pure Seed

There is urgent need for federal seed legislation that will make it possible for the states that have good seed laws to prevent interstate shipments of impure seeds. It is said that farmers in Wisconsin suffered a loss thru weeds of 67 million dollars in 1917. That estimate is given by the Wisconsin Experiment station and ought to be reasonably correct. Some of the seed for farm crops examined by A. L. Stone, who is in charge of the Wisconsin work in weed and seed control contained 5,000 noxious and 38,000 other weed seeds to the pound.

C. P. Smith, the seed inspection officer of Maryland, tells how farmers have been imposed upon by mail order houses which offer as an inducement reduced prices together with a glowing eulogy of the quality of the goods they have for sale. Mr. Smith complains that the houses selling the seeds have failed to give an accurate account of the percentage of weed seed in each shipment. Mr. Smith says the distribution of noxious weed seeds in this way has been extensively conducted in Maryland, New York, Minnesota, Michigan and Wisconsin. This shows the necessity for placing the control of seed shipments under more effective federal authority. The seed should not enjoy the privileges of interstate commerce until it is shown that they are up to the required standard.

Charles A. Lyman, secretary of the National Board of Farm Organizations and other members of that association are putting forth every effort possible to get Congress to pass national legislation that will protect farmers fully against unscrupulous seed houses that send out impure seed. Johnson grass seed often is mixed with Sudan grass seed and many farmers in the Southwest are still fighting that pest and are having a difficult time in getting rid of it. Alfalfa growers have a righteous complaint against seed growers that have sold them seed containing dodder and other impurities. Certainly, it is time for farmers to urge national legislation to help states in their efforts to combat this evil. Senator Arthur Capper is in hearty accord with Mr. Lyman's stand on this matter and says he is ready to do everything possible to get the needed national legislation. Farmers everywhere should write their Congressmen to support the legislation suggested by Mr. Lyman.

Smallest Bible on Earth
This Bible is about the size of a postage stamp and is said to bring good luck to the owner. Sent free if you send us two 3-months' subscriptions to the Household at 10 cents each. Magazine contains from 20 to 32 pages of stories and departments monthly. Address **HOUSEHOLD, Dept. B.14, Topeka, Kansas**

FARM WAGONS
High or low wheels—steel or wood—wide or narrow tires. Steel or wood wheels to fit any running gear. Wagon parts of all kinds. Write today for free catalog illustrated in colors.
ELECTRIC WHEEL CO., 30 Elm Street, Quincy, Ill.

Repair Week April 4 to 10

The second zone repair week, which will be held in Kansas and neighboring states April 4 to 10 inclusive, gives promise of being of decided value to farmers if it is generally observed. The week is designed to enable farmers of the zone to inspect their machinery and determine what repairs will be necessary to put it in first class condition and keep it in working order thruout the year.

Because of the serious transportation situation, and the difficulty of getting sufficient cars to move materials of all kinds, dealers may have trouble in getting repairs for machinery unless they can order early. There is a possibility that the transportation situation may become worse than it has been, due to the demands which will be made upon the railroads for the hauling of enormous quantities of merchandise which are in demand thruout the country.

Thru the zone repair week system, dealers in various parts of the United States are enabled to learn from their farmer customers just what repairs the latter should have in order to put their equipment in workable condition. Repair week assures both dealers and farmers of obtaining repairs when they are needed.

Here are some reasons why machinery should be kept in good condition with repairs made in time: Lengthens life of machinery; machinery will give better service; number of breakages are reduced; banker will give better credit if machinery is taken care of properly.

The second zone also includes Colorado.

A group of co-operative organizations in one Kansas county has repaid to stockholders, since its organization, more than twice the amount of their original investment and they still have the stock.

Money Saving Order Blank

RENEW THREE YEARS SAVE \$1.00

Presidential Campaign
A great political battle is approaching—the 1920 presidential election. Congress is solving the great after-the-war problems. Renew your subscription now and keep posted on all the big issues of the day.

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How To Save a Dollar
The regular subscription price of Kansas Farmer and Mail and Breeze is \$1.00 a year. You can save \$1.00 by sending us your order for a three-year subscription at \$2.00. Or you can send us two yearly subscriptions at \$1.00 each and get your own subscription free.

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Health in the Family

BY DR. CHARLES H. LERRIGO

A KANSAS mother writes requesting that this column publish something that will help to keep our boys and girls right-minded. "It seems as if they can scarcely be permitted to go away from home without someone telling them filthy things and urging them to indecent practices," she says.

Within certain limitations we are glad to be of use, for there is nothing in which we are more interested than in bringing up our young people to a good, loyal, pure citizenship. It must be remembered, however, that this paper is read by all ages, sexes and classes, and the thing that would be only a timely hint for one age and sex might be as harmful as a salacious story to another age and sex.

No paper or book or preacher or lecturer can really take the place of parents in telling children the things that they should know. This is a true saying, yet I am forced to admit that it leaves in sad ignorance the poor boy or girl who has no parents, or only those so neglectful or so poorly educated or, perhaps, just so timid that they do not do a parent's duty.

I will say this much that if such a boy or girl reads this paper and is sufficiently interested to write a personal letter to me I will explain everything that is proper and helpful, and do it very gladly.

Special Books for Children

I sometimes wonder if parents know how many helps are available, all ready for their asking. For example, the Kansas state board of health has a wonderful little pamphlet entitled "When and How to Tell the Story of Life," that will be sent to any applicant free of charge. There is instruction enough in this for any parent, and if the father and mother can do no better they can just hand the pamphlet to the child to read. This is not a good way, but it is better than letting the children grow up in ignorance.

A larger pamphlet issued by the state board of health is entitled "The Parents' Part." A special pamphlet for girls is called "The Girl's Part." For boys of 14 and over there is a pamphlet entitled "Keeping Fit." For older boys and young men there is one called "Man Power." For teachers, ministers, officials and public spirited citizens in general the board has prepared in pamphlet form "The Problem of Sex Education in Schools."

These pamphlets are yours. They have been printed by your state printer. Thousands of them have already been distributed. There are enough left so that every citizen of Kansas who possesses interest in any of these subjects may be supplied on request. All that you need to do is to address a postal card to, "Kansas State Board of Health, Topeka, Kan," say which pamphlet you desire, and write your name and P. O. address in legible style.

I have notified the division of the state board of health having this work in charge that their business will pick up very shortly, for I believe that almost every reader of this paper will desire at least one of these pamphlets. And I think that the mother who wrote to me will agree that this is the best way in which the column can help the sex education of our boys and girls.

Questions and Answers

I am 32 years old and have a chronic cough that annoys me very much. My doctor says it is because of pressure from a goiter. No medicine seems to do me any good. Do you think a goiter could cause a cough? MRS. F. L.

Certainly. The pressure of a goiter may cause a cough either from reflex or direct action, and for such a cough there is no cure but the reduction or removal of the goiter.

Operation for Appendicitis

Some time ago I had a bad case of appendicitis. I suppose I waited too long in calling the doctor. Anyway they got me on the operating table almost too late to save me. The doctor says that it was no time to remove the appendix then and now he urges to do another operation. What do you say? N. N. S.

I think your doctor took good care

of you and is now giving you good advice. An eleventh hour operation such as you had gives a surgeon no chance to do thoro work. All that he could do was to drain off the pus and save your life. Now it is necessary for him to go back and finish his job. Had you called the surgeon at the beginning of your attack he would have removed the appendix neatly and completed the toilet of the operation all at one time, and probably the whole thing would have been done at half the expense of time and money.

High Heels

I notice very sensible answers to questions in your department and so venture to ask

about high heels as I see farm women are wearing them.

1. Are they injurious to health?
2. Do they ever cause female weakness?
3. If this is possible, do you think that under any circumstances they might cause miscarriage?
4. Do women who wear low heels have broken arches?
5. Does changing back and forth from low heels to high heels break the arch?
6. Do you think a woman wearing high heels will tire at her house work or any work requiring walking or standing more quickly than if she wore low heels?
7. Is a woman's moral obligation to keep her health any less than a man's?

E. B. L.

I cannot understand why sensible women wear high heel shoes, but facts are stubborn things. Please remember that you can get a sensible heel if you wish. I hardly need reply to these questions for they are so cleverly worded that the answers are obvious.

1. Yes. 2. Yes. 3. Yes. 4. Possibly but not because of low-heel shoes. 5. It may. 6. Yes. 7. Not one bit.

Nearly every time the state charter board meets, charters are granted to several farmers' co-operative organizations, either elevators or stores.

King Corn Silos

King of All
If you want a silo that will be satisfactory for a life-time, you will save time, trouble and money by dealing with the oldest Silo Company in this territory. Both glazed and unglazed, everlasting fire clay tile. Triple air space. Write a card for free circulars and prices.
KING CORN SILO CO.
1127 Waldheim Bldg., Kansas City, Mo.

GOOD SEEDS

GOOD AS CAN BE GROWN
Prices Below All Others
I will give a lot of new sorts free with every order I fill. Buy and test. Return if not O. K.—money refunded.
Big Catalog FREE
Over 700 illustrations of vegetables and flowers. Send yours and your neighbors' addresses.
R. H. SHUMWAY, Rockford, Ill.



M-m-m! Vegetables Fresh From My Garden!

DID you ever know anyone, who once raised a good garden, to say it wasn't worth while? A Vegetable Garden affords enjoyment and recreation for every member of the family in addition to its fresh food supply.

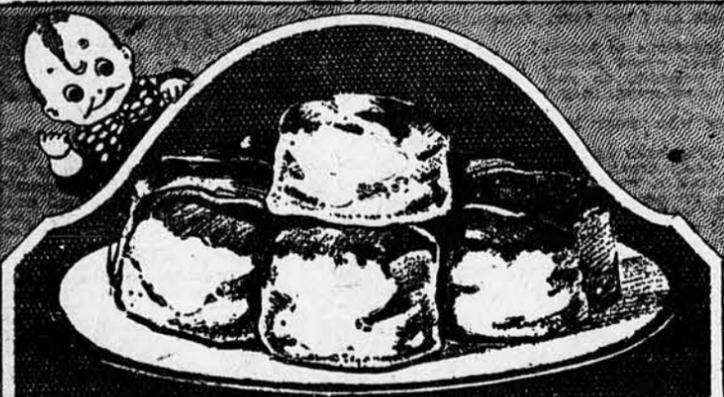
Vegetables always taste better just off the vines or just out of the ground. Utilize the available land near you this summer and be sure of a fresh supply of radishes, lettuce, carrots, beets, turnips, beans, peas and all the other delicious vegetables you like so well.

Good soil, sunshine, good seeds and enjoyable effort are all that are required for a successful garden. The seeds are frequently given least consideration. This year decide to plant the best seeds you can get—select them from Northrup, King & Co.'s convenient seed case at your dealers. Practical cultural directions are printed on the back of each packet.

NORTHROP, KING & CO'S SEEDS

MINNEAPOLIS

MINNESOTA.



CALUMET BISCUITS—light, flaky mounds of goodness—capped with a tender, done-to-a-turn crust. You'll admit that no other biscuits can compare with them—the minute the first batch comes from your oven.



Makes Most Palatable and Sweetest of Foods

—because it is absolutely pure in the can and in the baking.

—because its leavening strength never weakens. It is always the same, and results are always the same—always the finest.

Absolute certainty—more than the usual raising force—with the moderate price you pay for CALUMET—make it decidedly the most economical of leaveners.



You save when you buy it. You save when you use it.

You save materials it is used with.

A perfect product of the world's largest, most up-to-date and sanitary Baking Powder Factory.

Contains only such ingredients as have been officially approved by U.S. Food Authorities.

Try it! Drive away bake-day failures. Reduce baking expense. Have most delicious and wholesome bakings.

BEST BY TEST

For Our Young Readers

Little Brother Would Enjoy a Playhouse, Too

BY JENNIE E. STEWART

ALMOST ANY boy who has a little sister will think of making her a playhouse where she can keep her playthings and play her own games, undisturbed by older persons. But few think of arranging such a place in which the small brother may play. If you have been looking upon your small brother as somewhat of a bother about your workshop and a nuisance when you and your friends are playing games he is too little to understand, try making for him a playhouse of his own.

A large packing box will be first choice for such a playhouse but two long boxes which may be placed one on top of the other will do very well.

There should be at least two compartments, an upper and a lower, and the upper one might well be subdivided into two for little brother's convenience. In the lower one he will keep his little carts, animals on wheels, and play his games, such as making farms and pasturing his animals. If he likes digging in dirt and building railroads you might leave the floor out of this compartment, so he can dig and delve to his heart's content. He will most likely wish to play store, so one of the upper rooms might be fitted with shelves, counters and show cases for store purposes. You can make little scales, a hand truck and as many other store furnishings as your fancy may dictate. There should be plenty of empty boxes, little covered cans and such things for store use. The other compartment may be used for a workshop. Make a bench and places for small tools.

The top of the house should be made double if possible so it will shed rain. On this broad space he will play many games he cannot play inside. The front should have two small doors that may be closed tight. Or hang heavy curtains across the front that may be pulled aside. The curtains will be less in the way than hinged doors would be, tho they do not afford so much protection from dust and rain.

He had 40 acres and was in debt for that. He had all the stones of the foundation except education but he studied faithfully at home. Starting with two registered Poland sows, Sam began constructive breeding. The litters were disappointing but Sam took the jokes of his neighbors good-naturedly and kept on. He saw the need for bigger type in his chosen breed and studied the matings that would bring prolificacy and size. Today Sam's name is almost a household word among men who keep this great breed and his check is good for close to a million "bucks."

And now I come to the close of this series of letters. I hope you have enjoyed the reading as well as I have the telling. And I hope that in the busy days of your school life you will not forget that I am your friend and sincerely eager to be of help to you. Then in the coming years when you have grown to vigorous manhood and are doing the work on your own farm, I hope that you will think often of the foundation we planned together and mar no stone. Perhaps I may write to you again for I think often of you and your boy friends as I go about my daily tasks. Until then, goodbye.

Sincerely your friend,
John Francis Case.

A College Lamb

Here's a picture of Prof. A. M. Paterson of the animal husbandry department



Letters to a Farm Boy

(Altho one may have all the other stones in his foundation for success, if he neglects to add the eighth building stone, perseverance, the foundation will crumble. This is the last of this series of letters written by Mr. Case.)

Dear Robert:—Finally we have come to the laying of the final stone in your foundation. It has been a pleasant task with no workman strikes to mar it and upon this foundation I am sure you will build a lofty structure that will stand against all storms. In the building we have used the waters of sympathy and kindness to mix the mortar of truthfulness and honesty. And friendship has cemented the whole.

Perseverance is the eighth and last stone. A word that is homely but even more significant is stick-to-it-iveness. I've known men who had most of the stones of success in their foundation who failed because they didn't persevere. The end of the rainbow never was found. There was your uncle, Carlton Cunningham, who inherited a fine farm, a fine honest fellow who made friends readily, obtained an excellent schooling and had bright prospects. First he tried registered Shropshire sheep, paying a long price for his foundation flock. But stomach worm affected the flock, a few sheep died, and after one year Carlton sold the flock in disgust. Then he tried Poland China swine. Your dad will remember how hard he tried to induce your uncle not to start with excessively high priced stock. But he paid \$1,000 for a boar, \$300 each for a dozen sows and mortgaged the farm to pay the bill. That was in the days of the "hot blood" type and the sows averaged three pigs apiece. Stung by the jeers of his neighbors Carlton sold his herd at almost market price. And these are only examples of a business policy that sent him to an early grave, a broken and embittered man.

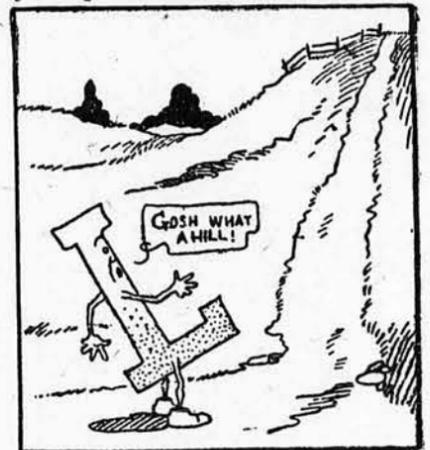
Sam Jackson started farming about the same time Carlton Cunningham

ment of the Kansas State Agricultural college, feeding an orphan lamb.

Several breeds of sheep are raised for experimental work in the sheep husbandry department of that institution. This little motherless lamb, tho bottle fed, became a sturdy member of one of the flocks.

Part of a Church

See if you can guess the answer to this puzzle. Send your answer to the Puzzle Editor, Kansas Farmer and Mail and Breeze, Topeka, Kansas. There will be packages of postcards for the first three boys and the first three girls who send correct answers. The time of answering will be judged by the postmark on the letters.



Solution March 6 puzzle—A "B" puzzle: 1, brook; 2, burn; 3, beast; 4, black. The prize winners are: Ethlyn Hook, Rossville, Kan.; Cleo Stillings, Cummings, Kan.; Susie Moore, Garfield, Kan.; Pauline Vanderwilt, Solomon, Kan.; Floyd Baird, Rossville, Kan.; Perry Worley, Allen, Kan.



Do you know these 26 songs?

YOU should know each and every one of them. Send the coupon now for your copy of our 32 page song book, "Songs of Long Ago", containing the complete words and music of all these old favorites.

- Auld Lang Syne
- Long, Long Ago
- Star Spang, Banner
- Annie Laurie
- Robin Adair
- Old Oaken Bucket
- Blue Bells Scot'd
- Dixie's Land
- When the Swallows
- The Vacant Chair
- Sweet Alice
- Old Kent's Home
- Last Rose Summer
- Sweet and Low
- Yankee Doodle
- Swanee River
- Columbia
- Lead Kindly Light
- Far Away
- Flag of the Free
- Glory Hallelujah
- Swing Low
- Rocked in the Cradle
- Coming Thro' the Rye
- America
- Home, Sweet Home

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PIANOS AND PLAYER PIANOS

Baldwin unconditionally guarantees every instrument produced. We can do this because every Baldwin-built piano and player-piano is made in its entirety in our own factories. We know that it is right before it goes to you. You know what you are getting when it comes from Baldwin. The Baldwin line consists of the Baldwin, Ellington, Hamilton and Howard Pianos—and the Manualo, "the player-piano that is all but human". There is a Baldwin dealer near you.

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Songs of Long Ago

Dept. C-3

Send me your free song book "Songs of Long Ago."

Name.....
Street or R. F. D.....
City and State.....
Would you like to have a piano or player-piano?.....

Farm Questions

I have a cow with several lumps on her jaws and one back on her flanks. Is it lump jaw, and can anything be done for her? Would it pay to doctor her? They don't seem to bother her and she eats all right.
R. H. CUNNINGHAM.
Formoso, Kan.

I wish to state that I am very much afraid that the enlargements on your cow are enlarged lymph glands as a result of infection with the germ of tuberculosis. If this is the case, the milk of this animal would be unsafe for human or animal consumption. In order to determine positively whether the cow has tuberculosis, I would recommend that you have a competent graduate veterinarian apply the subcutaneous tuberculin test. Sometimes this is called the temperature tuberculin test. If the reaction to the tuberculin test is negative, then there is a possibility that lumpy jaw is the trouble. I have mailed you a circular regarding that condition.
R. R. Dykstra.

Feeding Young Calves

Can you tell me the correct way of feeding young calves? Is it necessary to add salt and hot water to milk?
F. D.

I would refer you to the article in the issue of the Kansas Farmer and Mail and Breeze for January 17, covering this subject. It is not necessary to add salt to milk in feeding it to calves, but I know of some men who add a little lukewarm water to milk before giving it to young calves. This, however, is not necessary.
J. B. Fitch.

Treatment of Garget

I have a Jersey cow 7 years old. When she is on good pasture her quarters cake one at a time, first one, and then the other, about four to six days apart. The quarter will be slightly swollen in morning and caked hard at night. Next morning the milk from the affected quarter is of a gritty stringy nature. What is a good remedy?
F. K. GRIFFITH.
Pawhattan, Kan.

Your cow is undoubtedly affected with a form of garget as a result of infection. Give the cow 1/2 ounce of formalin mixed with a quart of water and administer as a drench daily extending over a period of 10 days or two weeks.
R. R. Dykstra.

Shortness of Breath

I have a 9-year-old mare that was overheated two years ago. She does not sweat very much, and gets short of wind on common field work. Is there anything I can do to improve this mare's wind?
R. S. Thayer, Kan. WALTER REED.

I would suggest that you try the following remedy on your animal:

- Fluid extract of jaborandi..... 4 ounces
- Fluid extract of arnica root..... 4 ounces
- Potassium acetate 8 ounces
- Water q. s. to make.....32 ounces

Of this preparation 1 ounce is given three times daily; in addition we recommend thoro daily grooming.
R. R. Dykstra.

Sowing Barley

I am contemplating sowing some barley this spring on plowed ground. Will you please tell me which is the better seed, the bearded or the beardless? How many bushels an acre ought I sow and what will be the probable yield an acre?
H. C. WHITFORD.

R. S. Garnett, Kan.
Bearded barley is much more satisfactory than the beardless varieties. You should sow from 1 1/2 bushels to 2 bushels of barley to the acre and the seed should be in the ground just as early in the spring as it is possible to prepare the seedbed.

There is one objection to sowing barley in Southeastern Kansas, and that is the danger of a crop being damaged by chinch bugs. I would not advise seeding barley in your section of the state when chinch bugs were known to be numerous. In such seasons oats are a much safer crop to sow.
L. E. Call.

Fertile Eggs

Will you tell me just how long after mating the flock until the eggs will be fertile? Is one cockerel to a dozen hens enough this time of year?
E. C.
Larned, Kan.

If male birds have been running with your flock the eggs can be used for hatching purposes in 10 days after putting in new males. If the flock has not been running with male birds it would take two weeks until you could be sure that most of the eggs would be fertile.

One cockerel to a dozen hens is sufficient with some birds, for example, Rocks, Reds or Wyandottes. For

Brahmas or Langshans one would not use quite as many females whereas with birds of the Leghorn type one could run 15 to 20 hens to each male. One male for a dozen hens in a flock of 100 would give better results than one male for a dozen hens in a small flock.
F. E. Fox.

Hatching Turkey Eggs

My chicken hens and my turkey hens do not set early and I have to save turkey eggs too long. I would like to set turkey eggs in incubator two or three weeks then transfer them to turkey hens before they hatch. Can you give me any advice on the subject? I don't know how to regulate heat for turkey eggs.
READER.

In regard to the hatching of turkey eggs I will say that the practice of taking eggs from the incubator and letting them hatch under chicken hens or turkey hens is not at all uncommon, and can be done with good results.

Hatching turkey eggs is not quite as satisfactory in the incubator as by the natural methods, perhaps this is partly due to the fact that most persons attempt to run the machine as for hen eggs.
F. E. Cox.

Acid Phosphate

I would like to have a few points regarding spreading acid phosphate on alfalfa ground. What kind of machinery ought I to use?
M. L.
Lindsborg, Kan.

Acid phosphate may be used profitably as a surface dressing to alfalfa

in approximately the eastern third of Kansas. This material should be applied during March at the rate of 250 pounds every second year. The best method of application is by the use of a fertilizer drill, but where this implement cannot be obtained a lime spreader may be used to good advantage. When a grain drill is used for an application of fertilizer, it must be thoroly cleaned in order to prevent corroding. Small quantities of fertilizer may be applied broadcast by hand. This method, however, is not very satisfactory because of the difficulty in obtaining an even application.
R. I. Throckmorton.

Bed Bugs in Poultry House

Our hen house is infested badly with bed-bugs, and as I have never had any experience with them in a hen house, I would like a remedy to kill them all out.
Moline, Kan. MRS. ADA RHUDY.

The treatment recommended for bed bugs in a poultry house is the use of insect powders, or a solution of sodium fluoride. This to be used as a spray, and the house cleaned out thoroly first, and the solution sprayed into all the cracks and crevices. You can get sodium fluoride from your druggist who will make the required solution. The spray pump is convenient but not absolutely necessary in applying this material.
F. E. Fox.

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Primrose Cream Separators Are Fighting the H.C.L.

PRIMROSE today presents a red-letter opportunity that no man interested in dairy profits can afford to ignore. Indulge your old habits of economy and buy a Primrose Cream Separator, which in this day of skyrocketing prices still sells as it sold two years ago. Primrose price today is but slightly more than the low price prevailing in 1914, instead of 60 or 100 per cent more, as in most cases where high-grade steel products are concerned. Buy Primrose now at the 1918 price. Why is so low a price possible?

Because:

The growing popularity of Primrose Separators has resulted in greatly increased demands;

The demand has resulted in greatly increased production;

Increased production means buying raw materials in greater quantities and keeping labor and manufacturing equipment operating at full capacity at all times;

Large-quantity raw material orders

with quick turnovers into machine sales, means lower costs; active labor and equipment produce more for each dollar of operating expense than idle labor and equipment;

The increases in the general cost of raw materials and labor have been practically offset, in the case of Primrose Cream Separators, by the reduced costs of unit production and distribution, due to the increased demand.

Therefore the prices of Primrose Cream Separators still stand at the old figure of 1918—considerably less than the present high-priced separators. Make the most of this rare opportunity. See your International dealer.

INTERNATIONAL HARVESTER COMPANY

CHICAGO

OF AMERICA

U S A

With the Homemakers

Stella Gertrude Nash
— EDITOR —

Why the City Has No Attraction for the William West Family

FEW CITY dwellers can boast of a more modern, convenient or comfortable home than that of Mr. and Mrs. William West on their stock farm 5 miles south and east of Barnard, Kan. Electricity, running water, furnace and a modern bathroom are some of the things that make a real home out of this eight-room house, and with a motor car at their command, it is not strange that the Wests are contented with country life.

The same engine that furnishes the power for the electric lights in the West home, the tenant home and the barn, forces the water into the rooms and to the barn. The pipes which carry the water from the well to the tank in the basement are so deep in the ground that they never have frozen.

Mrs. West says she does not know how the family could possibly get along without the white tiled bathroom. It is on the second floor and opens into the hall. It is equipped with white enameled bathtub, lavatory and closet. There is a hot water tank just back of the kitchen range and the water is heated by the range and then forced upstairs. The cost of the bathroom equipment and the piping for the water was about \$300 seven years ago.

Another convenience of which Mrs. West is proud is a built-in sideboard in the dining room, with a window between it and the pantry. By using her tea wagon she is able to save many steps. The tea wagon has two small wheels in front and two shelves about 2 by 4 feet. She places the dishes and food on the wagon and takes them from or to the dining room or kitchen in one trip.

There is a kitchen stairway to the second floor which saves much time and a kitchen closet opening off of a small hall between the kitchen and dining room holds all the kitchen tools, such as broom, mop, dusters, carpet sweeper and so forth.

The floors all over the house are polished hard wood except the kitchen and rugs are used instead of carpets. A big sleeping porch is much enjoyed when the hot days come.

An electric iron has been a great help to Mrs. West and she is planning now to get an electric washer. There are electric lights in all the rooms and on the large porch that runs around two sides of the house. And besides all this a piano, Victrola, a fireplace and a telephone help to make life pleasant for this energetic farmer and his wife.
Kansas. Ellie T. Diehnel.

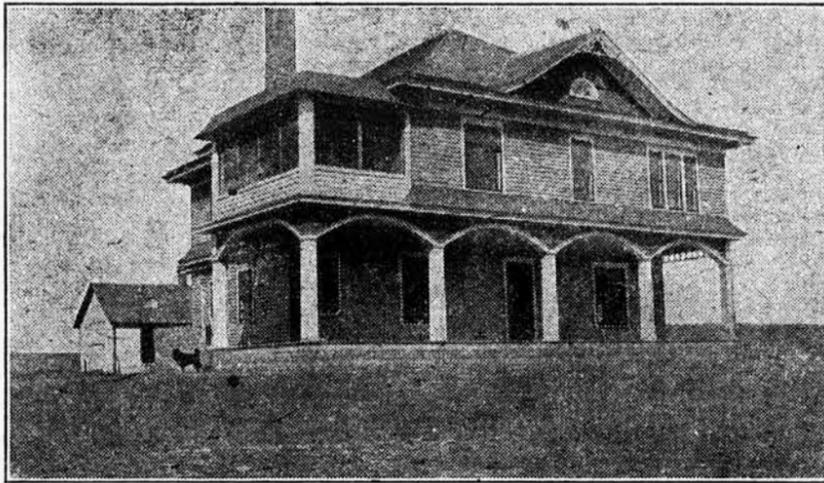
Fireless Saves Fuel and Energy

When the fireless cooker is properly used it becomes a great asset to the farm kitchen. It is a saver of fuel and energy. In the cooking of vegetables, cereals, stews, steam breads, pot roasts and dried fruits, where long, slow cooking is required, it has no equal.

To get the greatest efficiency from a fireless cooker, one should thoroughly heat the food in the container, which fits snugly into the fireless cooker. Then the stones, or metal plates, which fit into the bottom of the cooker, should be heated until they are hissing hot. By placing these heated plates under the well heated food in the cooking utensil, additional heat is supplied. This extra heat insures the housewife that her food will be well cooked.

After the hot plates and the container have been put in their place in the cooker, the lid should immediately be clamped down so as not to allow any heat to escape. Due to the well insulated sides, top and bottom of the cooker, the heat is held inside and it is this heat which cooks the food. Thus the few minutes required to heat the food and plates in the beginning are all the fuel-needed.

When the housewife has placed her food in this cooker she does not need to stand and watch it to be sure that it will not burn, and it will not need



The William West Home Near Barnard, Kan., in the Building of Which the Housewife's Convenience was Considered.

stirring. She can leave it and go about her other household duties or even go away from home, to town or to visit her neighbor, and still have her dinner cooking. Her cereal might be cooking at night for the breakfast the next day. In this way the fireless cooker is doing its share in lessening the farm wife's work and allowing her more time for leisure.

The fireless cooker is best adapted to foods which require long, slow cooking. Steam breads, pot roasts, stews, cereals, vegetables and many other foods are very palatable when cooked in this way. In the cooking of vegetables, a very little water is needed when the fireless cooker is used because there is no loss of water by evaporation due to the insulation. Thus many of the mineral salts which are so desirable to our bodies, are retained in these vegetables. Quite different is the mineral content of those vegetables which have been cooked in water that covers them on the stove. The minerals in this case are dissolved out into the water. When the vegetables are cooked the water is drained off and mineral salts also. What is left is the cooked vegetables minus the important salts which our organism needs to

built up and repair its bony structure.

In order to get the longest service from the fireless cooker one should take good care of it. It should be dried well as soon as possible after the food is removed from it. The steam collects as little globules on its sides during cooking and it is these that one should dry up after using the cooker to prevent rust. The cover should be left slightly raised until ready to use again. Heavy things should never be dropped into the cooker because they dent the lining.
Katherine Nienaber.

Two-in-One Sleeping Porch

When we built our home we planned a sun porch and sleeping room. It is built on the south side of the dining room with a door leading into the dining room and one door leading outside. It is sided up nearly 3 feet just like the house and screened the remainder of the way with an outside screen door.

I made curtains of brown denim for the porch and during the day they can be pulled back to one end or taken off. We keep a sanitary couch on the porch and it is folded up during the day. With the Indian rug thrown over the

couch, plenty of cushions, and magazines on a table, the porch is a fine place in which to rest during the day.

Before we built the sleeping porch we had a porch which was makeshift, but answered the purpose fairly well. It was a wide porch with open railing. I fastened a board securely from one porch pillar to another, and tacked a double cotton blanket to it and to the railing. Then I fastened a wire from the pillars to the house and hung a blanket over it. The only drawback to this was that the blankets would not keep out the rain, and the occupants of the porch had to go into the house when it rained. This was much better than no sleeping porch at all, however.
M. L. Carbiener.

El Paso Co., Colorado.

Chemical Closets Sanitary

The proper disposal of human excreta is one of the big problems found in rural districts where water-carriage systems are not possible. Because the disposal of the waste or refuse products of the human body has a most important bearing on the health of the family, every homemaker should feel it her responsibility to see that there is a safe means for its disposal.

A chemical closet is one, the primary object of which is the chemical disinfection of excreta. When operated according to directions, these devices have proved to be of great benefit to the public health movement in rural communities. In order to have the best success with them it is necessary to have a clear understanding of the principles on which they are to be operated. Before purchasing, one should become familiar with the chemical substances or mixtures to be used for germicidal, deodorizing and liquefying purposes.

There are two general types of chemical closets. The one known as the commode type consists of a permanent fixture ventilated to a flue or thru the roof. A removable receptacle is placed under the seat of the fixture and a quantity of disinfectant used in this bucket. With this type it is necessary to remove the contents and bury them once every two or three weeks.

The other type consists of an indoor fixture very similar to the ordinary seat used in the water-carriage systems. A tank is provided for the collection of excreta and the disinfectant used in the tank is sufficient to render the contents semi-liquid and thoroughly disinfect it. The tank type does not have to be cleaned more than once in six or eight months.

That the chemical closets can be installed and used with satisfactory results for a long time is proved by the statement of Mrs. Rankin Waugh of McCune, Kan. Mrs. Waugh says: "We purchased a chemical closet three years ago. We installed it in one of our bedrooms and concealed it by curtains hung from the ceiling. It is ventilated by a pipe which is connected with the flue. I do not consider it very much trouble to take care of. I remove the container once every week or 10 days; rinse it with hot water; put in a new supply of chemical and replace. We have found a creolin preparation the most satisfactory chemical. While I have not kept a strict account of the expense of its upkeep, I am sure it will not exceed 50 cents a month. We like the chemical closet and we believe it can be used successfully with proper ventilation and chemical."

Mrs. H. E. Stoner, who lives on a farm near Angora, Neb., said she found the chemical closet of especial value when there was sickness in the family. As there was no water-carriage system in the house, Mrs. Stoner had the chemical closet installed in the bathroom. The ventilating pipe was connected with the highest part of the roof and there never were any objectionable odors.
Mrs. Ida Migliario

The Farm Home Represents the Strength of the Nation

ONE BEAUTIFUL Sunday morning in the autumn of 1917 I stood with a few others and witnessed the memorable review of that noble aggregation of fighting men, the Rainbow Division, at Camp Mills, on the historic Hempstead Plains on Long Island. The men were soon to leave for France, and as I watched them pass in review, saw the waving flags, and listened to the martial music, I was moved as never before. Then did it seem to me that America had not only a new mission but a new meaning. In my enthusiasm I said, "This is the strength of the Nation."

A few days later I was on the water front near New York City, and I saw our convoyed transports loaded with the flower of our land, saw the mighty floating forts, and again in my enthusiasm, I said, "This is the strength of the Nation."

But it so happened that a little later I went back to the interior and to a farm home far removed from the busier activities of war. It was an old-fashioned farm home, a big white house with green blinds and a rambler rose winding its way over the front porch. It was a real home, the sort of a house that seems to have a soul. As the day died and as the shadows lengthened, as they were lengthening in the lives of the father and mother in that home, we talked long on commonplace things, of the war, and of the boy "over there" doing his bit in order that civilization and Christianity might not perish from the earth. Bedtime came, and I saw the old father take from a table a well-worn Book and read a chapter, after which there was an earnest prayer for the coming of peace, peace born of victory. Shown to my bedroom, my attention was attracted to two pillows, such perhaps as were in your home and mine. On one of these pillows a mother's hands had worked "I slept and dreamed life was beauty," while on the other were the words "I woke and found life was duty." I lay awake a long time, lulled by the gentle tinkle of sheep bells. Then it was that this thought came to me: The abiding strength of the Nation is, after all, not in armies nor in navies, necessary as they may be, but in peaceful, prosperous, Christian homes like this.
W. L. NELSON.

Easter Brings New Styles

Home Dressmakers Will Like These Simple Designs

BY STELLA G. NASH

FOR the little girl's best dress nothing could be prettier than one-piece dress No. 9599. The lower edge of the skirt, the short sleeves and the large collar are scalloped to match. The sash may simply be brought around the waist and fastened with the ends at the back, or it may extend from the collar and fasten with a bow and streamers at each side. Sizes 6, 8, 10, 12 and 14 years.

The top part of the dress is cut in one piece and the lower section is gathered to it. The neck may be left plain or finished with a roll collar. Any of the new spring silks or cotton voiles would be suitable materials for this dress. The large figured voiles are to be worn again this year. Sizes 16 years and 36, 38, 40 and 42 inches bust measure. 9575—Ladies' and Misses' 9593—Child's



Rompers. These simple little rompers may be made with or without the pockets at the sides. A suit of this kind is easy to launder and if contrasting material is used for the belt, cuffs, pockets, and collar facing, it is pretty enough to wear away from home. Sizes 1, 2, 4 and 6 years.

9604—Ladies' Waist. Horizontal tucks run across the front and back of this waist which slips over the head. The sleeves may be long or short and both styles have turn-back cuffs. The roll collar, which is especially stylish this spring, is featured on this blouse. Crepe de Chine, silk or cotton voile and silk or cotton georgette are good materials for a

Coat. This is a good model for a separate coat or for a coat to a silk suit. The majority of the coats this spring are short or three-quarter length. Tan is the predominating color for the separate coats altho many blues, light and dark, and greens are being worn. The front lower section of this coat is applied and is trimmed effectively with buttons. The roll collar and revers are of white or contrasting material. The back is perfectly plain but the front is held in loosely with gathers. Sizes 16 years and 36, 38, and 40 inches bust measure.

9597—Ladies' Two-Piece Skirt. The side seams on this skirt are emphasized with buttons. The back is gathered but the front is perfectly plain with a patch pocket at each side. Sizes 26, 28, 30, 32 inches waist measure.

These patterns may be ordered from the Pattern Department of the Kansas Farmer and Mail and Breeze, Topeka, Kan. Price 12 cents each. State size and number of pattern.

blouse of this kind. Sizes 36, 38, 40 and 42 inches bust measure.

9587—Ladies' and Misses' Nightgown. The deep yoke in this gown may be of all-over lace or lace and insertion trimmed. It may be made with or without sleeves. Sizes 16 years and 36, 40 and 44 inches bust measure.

9594—Ladies' and Misses' Dress. The kimono sleeves are featured in this dress and they may be the stylish short length or the long as preferred.

You Are Welcome To This Ten-Day Test

All Statements Approved by High Dental Authorities



So, despite your brushing, it may do a ceaseless damage. Teeth are safer, whiter and cleaner if that film is absent.

Science Now Combats It

Dental science, after years of searching, has found a way to combat film. Years of careful tests under able authorities have amply proved its efficiency. Now leading dentists all over America are urging its adoption. It is now used daily on millions of teeth.

This film combatant is embodied in a dentifrice called Pepsodent. And a 10-Day Tube is offered to every home for testing.

Pepsodent is based on pepsin, the digestant of albumin. The film is albuminous matter. The object of Pepsodent is to dissolve it, then to day by day combat it.

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The results are quickly apparent. A ten-day test is convincing. We urge you to make it at our cost and learn what clean teeth mean. Lest you forget, cut out the coupon now.

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This is to urge a ten-day test of a new, scientific tooth cleaner.

You have found, no doubt, that brushed teeth still discolor and decay. The methods you use are inadequate. There is now a better way.

The cause of most tooth troubles is a film. It is ever-present, ever-forming. You can feel it with your tongue.

That film is what discolors—not the teeth. It is the basis of tartar. It holds food substance which ferments and forms acid. It holds the acid in contact with the teeth to cause decay.

Millions of germs breed in it. They, with tartar, are the chief cause of pyorrhea.

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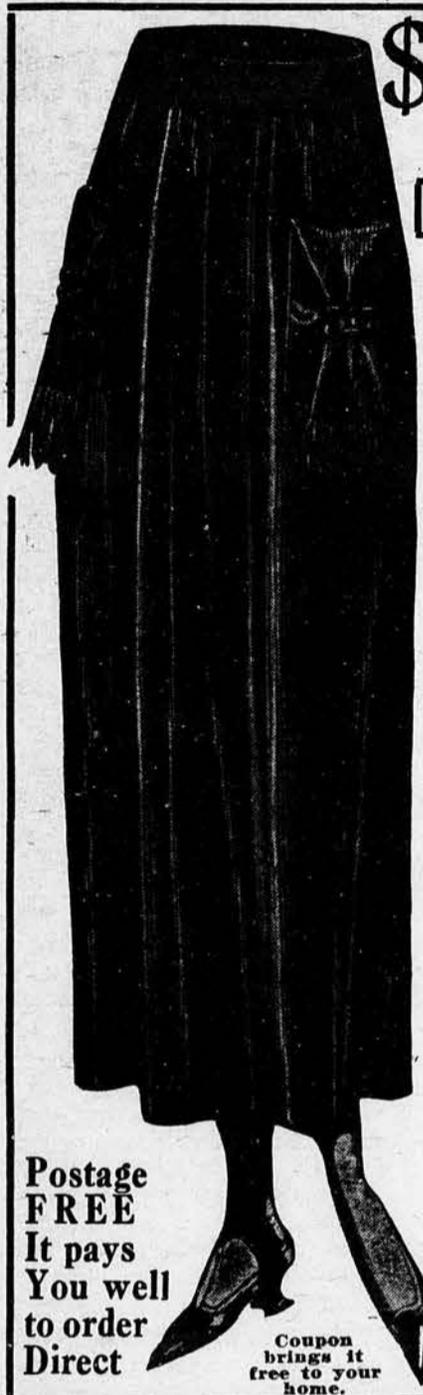
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Long Wear Combined With Stylish Beauty

This skirt has a high beautiful luster, is woven firmly and lends itself admirably to correct draping. It combines long wearing qualities with stylish beauty, absolutely the latest thing for this season. Provided with the desirable deep style pockets, run through with large buckles and trimmed with long silky fringe—charmingly gathered at the waist and falls in soft rippling folds. Hips are extra full. The picture does not do justice to the beauty of the style. You must try it on to really appreciate it.

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House Cleanin' Time

Ever'thing's turned upside down When we begin to clean. On Ma's face is such a frown, As Dad takes down the screen. Dinin' table's in the hall; Beds are in the parlor; Paper's all torn off the wall, 'Till you want to holler. Plasterin' scattered on the floor A mixin' dust and lime, Flies come swarmin' thru the door, When it's house cleanin' time.

Dad, he has to beat the rug, And I pull out the tacks, Mattress from the beds we lug— They almost break our backs. Sister Annie sweeps the wall Then has to dust and mop. Ma tries to boss us all— It keeps her on the hop. You bet no one gets to shirk. Dad says "It is a crime The way Ma makes us work When it's house cleanin' time."

'Bout a week we never know Where anything is at. Sis can't find her ribbon bow And Dad can't find his hat. Meals are on the kitchen stair, But we're glad to eat, you bet, Anything or anywhere. When ever'thing's upset, Gee! I hate house cleanin' days. I'd surely give a dime To be 'bout fifty miles away. When it's house cleanin' time. Anderson Co., Kansas. —Irene Judy.

Women's Service Corner

When you have a perplexing problem you cannot solve, send it to the Women's Service Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan.

To Clean a White Hat

How can I clean my white Milan straw hat?—M. G., Barton Co., Kansas.

Cover your hat with sulfur, and rub it with the flat surface of a lemon. Put it in the sun, and when dry, brush out the sulfur. I believe you will find this method very satisfactory.

If you are not satisfied with your hat after it is cleaned, I suggest that you dye it. Any of the hat dyes on the market are good, and give very satisfactory results.

When is a Girl of Age?

Is a girl of 18 of age in Kansas? Can she get married without her parents' consent?—E. C. E., Kansas.

Yes, a girl is legally of age in Kansas when she is 18 and therefore may get married without her parents' consent, altho it is not often wise for her to do so.

Wedding Anniversary Jingle

Will you please tell me what the wedding anniversaries are?—A. A., Brown Co., Kansas.

This verse tells what the anniversaries are, and if memorized you will not forget them as it is so easy to remember the jingle.

Gifts of paper, choice, not dear, Mark the bride and groom's first year. Five years bring substantial wood, Type of wedlock strong and good. Ten years homely gifts bring in, Wares of shining, useful tin. When the years have reached a score, China will be prized the more. Silver, if the couple thrive, Tells the years are twenty-five. Half a hundred, slowly told, Bring the wedding day of gold. So few live to see arrive The diamond date, at seventy-five, That custom says threescore may be The diamond anniversary.

What Colors to Wear

I have dark brown hair, blue eyes and a very light complexion. What colors should I wear? My friend has blue eyes, a light complexion and gray hair. She is 60 years old. What colors should she wear?—A Subscriber.

A girl with dark brown hair, blue eyes and a light complexion may wear almost any color. White, shell pink and all shades of blue and gray will be found especially becoming. A person with gray hair and blue eyes may wear dark and medium blue, black, lavender and gray.

Can Asparagus Carefully

The asparagus I canned last spring is good but is very soft. Is it overcooked or what is the trouble?—Mrs. F. M., Kansas.

It is difficult to can asparagus without having it too soft. Home economics experts suggest that it be canned within an hour from the time it is taken from the field and that directions for preparation and time be very accurately followed. If the asparagus is cooked too long it will be soft and pulpy.

More than one community in Kansas is outdistancing its neighbors because it is working as a unit and making a determined effort to develop a proper spirit of helpfulness among its citizens.

Farm Home News

It may be the high price of eggs or the price of hens; it might be the lamb-like entrance of March, something is causing many of us to have the chicken fever. Few hens are denied the privilege of sitting on eggs if they show any desire to do so. Incubators have been tested and filled and chicken coops at sales sell quickly.

We have hopes of a big bunch of early chickens. The average farm flock is probably hatched too late to be the most profitable. Heavy breeds of chickens require at least eight months to mature. Unless they are hatched in March, then, one may not well expect pullets to lay before spring. Hens often are not ready to sit in March and most farm women hesitate to hatch many very early chicks with incubators because they have no good brooders to use in caring for chicks in cold weather. Brooder houses or brooder rooms in chicken houses probably will become more popular.

A coal house has been slightly remodeled to meet the needs of a brooder house here. It had a cement floor. Such small openings as had been broken in it have been filled with new cement. Glass has been placed in an upper wooden window in the south side and two other windows have been placed low in the east and west sides of the house. These are hinged to the frames so they may be swung open for ventilation. We have placed them low so we could get the sunlight on the floor. Four or five oil heated hovers will be used as required to keep the chicks warm. We have used these hovers before and found them very satisfactory.

Many experienced poultry raisers have found the chicks have fewer ills if given only sour milk to drink the first few days of their lives. Sand for grit, sour milk for drink and broken rolled oats or bread crumbs are said to form an ideal combination for a young chick's diet.

Usually we have a superabundance of milk for chickens until the little pigs demand their share of it. Then we find the chickens' supply getting less and less. To offset this milk shortage we have invested in tankage.

A recent magazine told the story of an Iowa farmer's use of tankage in the chicken ration. He had discovered its value by accident. Having lost most of his hogs he moved the few survivors to a meadow pasture. In feeding the hogs their slop containing tankage, he often noticed a hen and her flock getting a drink. She had hidden her nest in the weeds nearby. The remarkable growth that these chickens made, maturing a month earlier than the other chickens, set the farmer to wondering. He naturally figured it out that if the tankage had been good for the young pigs, it was probably also good for the young chickens. The farmer used tankage in a mash of cornmeal, two parts; ground oats, two parts and tankage, one part. This was said to have given him winter eggs when neighbors had none.

It is probable that a small number of chickens often will make a better egg laying record than a large flock. One town woman boasts of an average of five eggs a day from six hens. Our flock of 35 layers has, for some time averaged 22 eggs a day. There are several of them broody now so the average may be lowered in a few days. That tendency to broodiness seems to be the Reds' worst failing.

With only one month of school left, the teacher and pupils are making plans for their last day of school. This usually means a short program and a big dinner. It is the one day-time program that attracts a crowd. The annual school meeting has no such drawing powers unless there is a fight, so called, or a lively time in prospect. We ought to have such a gathering of families with the teacher in the beginning of the year. Schools and fairs usually begin about the same time and the fairs hinder such a gathering as we have on the last day of school. An early meeting might bring good results in that plans made could soon be executed. On the last day of school, plans for improvements often are made—but often delayed indefinitely. Mrs. Dora L. Thompson, Jefferson Co., Kansas.

Tom McNeal's Answers

Street Paving

1. Have all cities the same law in regard to street paving in Kansas, or does each city make its own laws? As I understand all property along the street to be paved is taxed for its share of paving.
 2. In that case, if one owned property along the street to be paved and the property was not worth the cost of paving added to taxes, could you let the property go to the city and would the person be liable for the balance if the property did not pay for the paving? What is your advice when the property is not worth the amount assessed against it for paving?
 3. Is corner property taxed for both sides or just the street it fronts on?
 SUBSCRIBER.

1. There is a general law governing the powers of cities of first, second and third class, but each city has the right to regulate its paving according to its own wishes. The law simply provides the manner in which the city must act. Assuming for example that your city is a city of the third class, the law provides first that the city of this class has the right to enact ordinances for the purpose of paving, curbing and guttering in the street, avenue or alley, and taxing the costs and expenses thereof to the abutting property, and may issue improvement bonds for the payment of the costs and expenses of such improvements. The law also limits the amount of bonds a city of the third class may levy. But aside from these restrictions, each city is permitted to do as it pleases, that is, put in any kind of pavement that it sees fit and pay for the same with bonds up to their limit of the taxable property provided by law.

2. Taxes on real estate are not a personal obligation and if the city cannot realize from the sale of the property itself sufficient to pay the taxes, there would be no personal judgment recorded against the owner of the property for the balance.

3. A corner lot would have to pay not only on the street on which it fronts, but on the street running by the side of said lot, and usually the property has to bear its share of the taxation for paving, guttering and sewerage purposes, even tho the paving is not on the street on which the property abuts. That is to say, there is a certain taxing district, and all the property within that district bears a certain proportion of the taxes for these purposes. I could not, without knowing something about the town you have in mind, its prospects, and so on, undertake to give you advice as to whether you should pay your taxes or let the property be sold for taxes. If the taxes amount to more than the value of the property, and there is no prospect that the town is going to improve and so increase the value of the property, as a business proposition you had better let the property go for taxes. You must exercise your own judgment in that matter.

Desires a Copy of Blackstone

I am a high school student and wish to get a set of Blackstone Commentaries and possibly other law books. Can you tell me where I can get them?
 Oswego, Kan. READER.

Go to the office of Judge Nelson Case, Oswego, and if he cannot supply you from his own library, he can no doubt tell you where the books can be obtained.

Single Man's Property

If a man dies single, leaving an estate, does the money all go to the mother, or does half of it go to the brothers and sisters? His father is dead. SUBSCRIBER.
 The property goes to his mother.

Holding Stray Stock

Will you kindly give me the law stating the length of time a man can hold stray stock without advertising it? L. F. A.

The law requires that he should post his notice within 10 days after taking up the stock.

Question of Inheritance

A and B are husband and wife. A has two children by his first wife, both married. B has three children by her first marriage. A bought a little home of 25 acres and had the deed made in B's name. Now can A's children take this home from B in case A dies? B had \$500 and spent it all for household goods, also bought a graphonola and her son gave her \$50 worth of records. Can B's children take the furniture? B and her boys make the living. Can A's children take the stock and farm tools and chickens? B bought 100 hens. SUBSCRIBER.

A had an entire right to deed or will the property to his wife. It is hers absolutely and his children cannot take it away from her. Neither can they take her furniture nor the livestock

bought with her money. If their father had stock which he had not transferred to his wife at his death, his children would inherit one-half of that, but could not take either the furniture, musical instrument, nor the records, nor any of the personal property held by their stepmother.

Federal and State Officers

Please print the names of the United States and state officers. L. O. N.

As there are several hundred state officers, and perhaps 100,000 United States officers, space will scarcely permit my giving this information in the Kansas Farmer and Mail and Breeze.

Widow's Rights

What are a widow's property rights in Kansas when her husband dies leaving no will or children if there is a joint deed? Can the widow get all? A READER.
 She can.

Home for Renter

A rents a farm of B. The time does not expire until March 1, 1920. On July 29, 1919, thru a defective flue, the house took fire and burned down, leaving A with a family of small children without shelter. A was taken sick and went to the home of his

parents and stayed until he got able to be up when he moved in a vacant house over a half mile away. He had no drinking water and had no place to keep his stock. He had a crop to look after. Is it not B's place to provide house on said farm until 1920? A SUBSCRIBER.

It is B's duty under his contract as soon as possible to replace the house that was burned down so that A may be able to care for the farm in proper manner.

Children's Rights

When father died he willed all of his property to four of his children, leaving just \$1 to two of his other children. None of us ever had one cent of our mother's share of our farm. Now did father have the right to will all the property? Would we not have a right to mother's half under the Kansas law? P. K. M.

If the property belonged to your mother at the time of her death and if she died without making any will, then one-half of that property would go to her children and the other half to her surviving husband. But if the property was held in your father's name, then he had the right under the law to dispose of all of it as he saw fit. Your mother would only inherit one-half of it in case she outlived your father.

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Yet if they stood for only contest supremacy, they would have small importance to you.

In all the years your Hudson serves, you will hardly require its full capacity. You do not want 80-mile-an-hour speed. You will scarcely encounter a situation to tax its limit of power.

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Of course, there is pride in possession of car qualities you know are unexcelled. And this performance mastery gives innumerable advantages. For instance you travel faster within the speed limits. That is because you are away quicker. You pick-up faster. You have power that levels hills with ease. You

have smoothness that makes the long journey comfortable and free of fatigue.

But you will have far more occasions to admire Hudson's superb riding ease, its good looks, and its trustworthy dependability, than its more spectacular qualities of great speed and power.

So, it is chiefly as they reveal its basic principle of supremacy—the control of vibration—that the Super-Six's world famous records are important.

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The exclusive Super-Six motor adds no weight or size. Yet it adds 72% to power, and 80% to efficiency. It almost doubles endurance. It does this by converting to useful power the destructive force of vibration, which uncontrolled quickly undermines motor endurance.

That is why the Super-Six can go faster, farther and lasts longer.

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You should place your order now for your Hudson, even though delivery is not desired until summer.

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Do all of your cows have soft, pliable udders and clean, easy-milking teats? If not, you are passing up valuable milk-income which you might just as well have.

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Bag Balm is the "little guardian of the udder"—a soothing, healing ointment in a liberal package, just right for stable use. Its penetrating quality reaches promptly and relieves any internal congestion or inflammation. Caked Bag, Cow Pox, Bunches, Chapping—any irritated or abnormal condition of the tissues is almost instantly reduced by application of Bag Balm. Makes the udder surface and teats clean, smooth and easy to milk.



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When Cows Should Freshen

Dairymen Must Consider Plans for Larger Profits

BY C. O. LEVINE

SPRING fresh cows yield most of their milk when low prices for dairy products prevail, and at a time of the year when the average farmer is busy with his crops. On the other hand, fall fresh cows give a large supply of milk during the winter, and when the cows are turned out on pasture in the spring, the milk flow is given a stimulus which prolongs the lactation period, and increases the total amount of milk produced.

Fall Calving is Best

The season of freshening has considerable influence on economy in the dairy industry. Fall freshening means greater and more economic production of milk, better and cheaper raised calves, and a minimum of expensive labor.

Most dairymen prefer to have their heifers come into milk when about 2 years old, and a heifer born in the fall is ready to begin giving milk when prices for dairy products are the highest.

For the cow herself, as well as for the highest production of milk, it is best that she should freshen in the fall. The first few weeks after calving is a severe drain on the fat stored in the body of the cow, and she should be in a condition to meet this demand or her health will be impaired, and the milk flow lessened. The necessary store of body fat that a cow needs at freshening time can be more economically obtained in the summer on grass than during the winter on expensive grains.

When the calves are raised by hand, as they usually are in a dairy, the advantages are on the side of fall freshening. Bucket-fed calves require considerable attention, especially during the first few weeks when a little irregularity in the feed so easily upsets the digestion. This attention can be more readily given during the fall and winter months when other farm work is not so pressing.

For the first few months, the calves can be kept growing nicely on skim-milk and a little mixed hay and grains.

Then when grass comes in the spring, they can be weaned and turned out to pasture without any check in growth accompanying the weaning period.

It is our experience that dry feed, rather than grass, should be fed for the first six months, because grass, especially the watery spring growth, has the tendency to scour young milk-fed calves. If this tendency to scour can be prevented, gain on hay or grass for the first six months is about the same, other conditions being equal. However, for the second six months, grass gives much better results than dry hay. This again gives the fall calf an advantage over the spring calf.

The disadvantages of winter care in cold weather are more than offset by hot weather and annoyance caused by flies experienced by the spring and summer calf. The little shed room required by fall calves can readily be provided.

Freshening Periods Should Vary

In instances where the dairy has a contract to sell milk in certain amounts uniformly thruout the year, it will be necessary to have some of the cows freshen at different seasons of the year. However, if butterfat in the form of cream is the chief product sold, the attempt should be made to get as many as possible to freshen in the fall, so as to get the benefit of the high prices paid for butterfat during late fall and winter months.

In case it is desired to prepare animals for shows, the spring calf naturally is preferred. However, in a fair sized herd, there will always be some calves dropped in the spring from which show animals can be selected. Some cows, especially heavy milkers, frequently do not breed for several months after calving, which results in late winter or spring calves. The attempt should be made to get as many as possible to freshen in the fall, or early winter. In most dairies, breeding in December, January or February results in calves being dropped at a time of the year which means the greatest profit to the dairy.

Kansas Disease Fight Lags

More Federal Money Needed for Accredited Herds

BY G. C. WHEELER

THERE are now 24 herds of cattle in Kansas on the government accredited list, which means that the Bureau of Animal Industry of the United States Department of Agriculture is willing officially to declare these herds free from tuberculosis. "We have on our list 133 herds which we are obligated to test before July 1," said Dr. Henry M. Graefe, Federal Inspector in charge, in response to an inquiry as to the progress being made in the campaign to eradicate tuberculosis from the herds of the state. This work is being greatly retarded thru lack of funds. In the accredited herd work breeders voluntarily contract with the Bureau of Animal Industry and the Kansas Livestock Sanitary Commission to submit their herds to regular tests, reacting animals to be sent to market and paid for from federal and county funds. Recognizing the value of having their herds on the government list, so many breeders are asking for this work that the inspector cannot make the necessary tests.

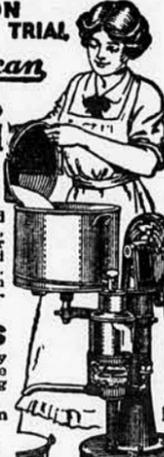
reduced force he must of necessity confine his work to re-testing herds. Work in new herds cannot be touched, even tho breeders are clamoring for it.

"It is very fortunate that we are prevented from outlining a program for handling approximately twice the work we are now doing in the state," said Doctor Graefe. "In view of the fact that dairying in this state is becoming more extensive, it is important that this work be carried on to the fullest extent possible to prevent the spread of tuberculosis resulting from the importation of purebred dairy cattle from the older dairy districts of Eastern states where this disease is very prevalent. The percentage of tuberculosis is much greater in the breeds being largely imported from other states. We are finding about 11 per cent of tuberculosis in the Holstein herds tested and only about 3 per cent among Jerseys. Both are dairy breeds and equally susceptible to the disease, but there has been a rapid importation of Holstein cattle from New York, Illinois, Wisconsin and other states, and in most instances we trace the tuberculosis in Kansas herds to these imported cattle. There are very few Jerseys being brought in, hence the low percentage of reacting animals being found in Jersey herds of the state.

"We cannot criticize breeders for importing stock affected with tuberculosis, but dairymen should be cautioned to take greater care in determining the health status of the animals purchased. Frequent injections of tuberculin increases the tolerance of the animal for the product, and there are many instances where animals are

(Continued on Page 38.)

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Get the Brooder Ready Now

The Little Chicks Must be Kept Comfortable

BY H. L. KEMPSTER

WITH the general use of incubators has come the necessity for using artificial methods of rearing the chicks. It is indeed poor policy to attempt to raise very many chicks unless artificial methods are used. Brooders incur much less trouble. The chicks are less wild and there is less danger from the chicks being troubled with lice. Then too the chicks can be handled in larger numbers in one unit which also lessens the amount of labor, time and equipment.

Ten years ago poultrymen were obliged to use small lamp brooders. The groups of chicks handled consisted of small numbers, about 60 chicks being handled in one flock. Some people used small out-door brooders but with only partial success. Considering the number of chicks accommodated, the cost was great both from the standpoint of initial investment, upkeep and labor. On commercial poultry farms long brooder houses heated by hot water heating systems were used but the farmer was compelled to use the lamp brooders or use hens for brooding purposes.

Brooder Stoves Supplant Lamps

The most recent development in brooders is the use of the coal burning brooder stoves. These are small stoves covered with a round canopy which reflects the heat down and keeps the floor of the brooder house warm. It is neither practicable nor wise to attempt to heat the entire room. These stoves are adapted to use by farmers as well as commercial farms. Hundreds of these stoves are being used on the farms and farmers are learning how easy it is to raise chicks by artificial methods.

Any sort of a building suitable for housing laying hens is suitable for brooding chicks by use of the coal stove. It must be well lighted, ventilated and be roomy. T. S. Townsley, extension poultryman for the University of Missouri, recently designed a brooder house adapted for the use of the coal stove. The house is 8 feet by 10 feet, has a gable roof with side walls 5 feet high. Two windows are placed in the south end, the tops of which are 5 feet high. Directly beneath the windows is an opening 15 inches wide and 28 inches long. This is covered with wire screen and muslin frames. A chick run entrance 8 inches by 28 inches is placed beneath one of these openings. On each side of the house is also placed windows for additional lighting and summer ventilation. The windows are six-light 8 by 10 inch panes. This house has a board floor that is the most satisfactory in small houses and which probably will be made portable. Such brooding houses have the advantage of being easily moved. In this way the chicks can be brooded near the farm house until they need comparatively little attention and can later be moved to more desirable places for summer and fall. Chicks will grow better on fresh ground and after June 1 will grow better on cultivated soil than on grass runs. In summer they should, however, be provided with an abundance of shade which easily can be supplied by use of cultivated crops such as corn or orchards.

One of my farmer friends has adopted the practice of using one end of his laying house for brooding. His house which is 20 feet deep is divided into 10 foot sections. In the spring

just before the chicks are hatched the laying hens are compelled to vacate this section. This is made possible by the fact that in the spring when the birds spend a large portion of their time out of doors they need less housing space. The end used for brooding has a separate yard so that the hens are not permitted to run with the chicks. The room is cleaned thoroughly and disinfected. One cannot be too particular in doing a thoro job. The floor which is concrete is covered with a thin layer of sand and on top of the sand is placed an inch layer of clean clover chaff. It is important that any litter which is used be free from moldiness. These molds will continue to develop in the lungs of the chick, causing diarrhea and heavy mortality. Then the brooder stove is installed. Careful attention is given to see that everything is in good working order. Pipes are cleaned and new parts supplied if necessary.

Getting the Brooder Ready

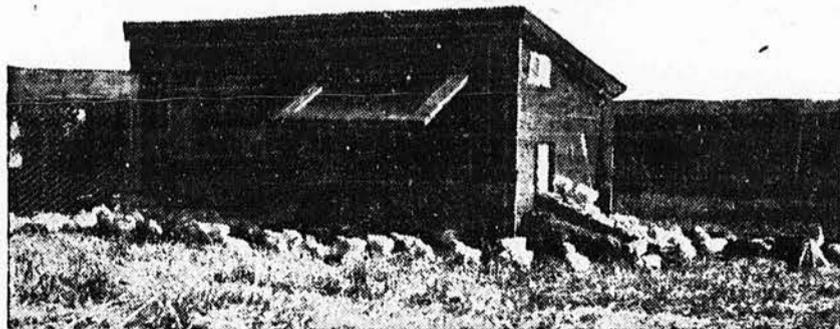
A few days before the brooder is needed it is warmed up and the thermostat which controls the drafts is regulated. This preliminary warming up is very necessary. It assures the poultryman that everything is all right. It also warms up the floor and dries out the house. Little chicks need to be kept dry and warm and are easily chilled. It pays to be prepared, for if the chicks are neglected it may result in disaster. There is always plenty to do at the very last, and an ounce of preparation may prove to be worth a pound of cure later. The water fountains should be cleaned and a sufficient number should be provided. One should remember that with the coal burning brooder stove more chicks are to be handled and make plans accordingly. The inexperienced should not plan on keeping too many chicks under one stove. In the colony brooder house described one should not keep more than 300 chicks. This should be the limit of any poultryman for one stove until he has profited by experience. If more than 300 are to be brooded under one stove it is well to provide a larger room such as 10 by 20.

Feeding trays made of boards 10 inches or a foot wide with sides an inch high should be used for feeding the first few days.

Arrangements should also be made to enclose the chicks so that they will not stray too far away from the heat and become chilled. Chicks have little intelligence and it requires some time before their instincts will cause them to return to the brooder when they desire heat. Some people use enclosures made of wire netting forming a circle around the canopy, the space between the netting and the canopy being about 10 inches. Another scheme is to make the enclosure of roofing paper cut in strips about a foot wide. The strips should be cut several feet longer than is required at first so as to increase the size of the enclosure as the chicks get older. Where the lap occurs the paper can be fastened together with clothes pins. The paper enclosure is better than wire netting as it permits no direct drafts on the chicks. After a few days the chicks learn what to do when they become cool and will return to the brooder stove of their own accord.

The temperature at which brooder stoves should be run depends upon the

(Continued on Page 47.)



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Gentlemen: I am 63 years old and have been raising poultry since I was seventeen. I never had much trouble except with White Diarrhea and sometimes I have lost my entire incubator hatch with this dread disease. Five years ago, a friend told me what IOWITE Chick Tonic had done for her so I sent for two 52c boxes and I want to say the result was wonderful. I raised 700 chicks that spring and did not lose one. I did not even have a droopy one in my flock. I have used Chick Tonic now for five years and would not be without it.—Mrs. H. E. Blythe, Unionville, Mo.

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Do you want to save YOUR little chicks? Just write Mr. Wight, saying, "I want to try Chick Tonic." He'll send you three 52c boxes. You pay the postman \$1.00 and postage. The extra box is FREE. IOWITE Chick Tonic is absolutely guaranteed—your money back if not satisfied. Send to C. E. Wight, Dept. 171, Lamoni, Iowa.

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When writing advertisers mention this paper.

Kansas Disease Fight Lags

(Continued from Page 36.)

tested by conscientious veterinarians and passed. Later, after they have been in Kansas six months or more, they become susceptible to the action of the tuberculin and react to the test. The application of the tuberculin test is a very technical procedure and its reliability is very much lessened when a history of the animal tested cannot be obtained."

Federal Funds Reduced

Congress appropriated 1½ million dollars for the accredited herd work, but made the mistake of stipulating that 1 million of this fund should be available for indemnities only and the \$500,000 for administration. January 1, fully \$800,000 of the indemnity fund remained, but the administration fund was practically exhausted. Beef prices have been high and the salvage value of the animals sent to slaughter helped to reduce the expenditure of indemnity money. Doctor Mohler, Chief of the Bureau of Animal Industry, asked for 2 million dollars, the appropriation to be undivided, and at a conference in Chicago last December attended by representatives of 12 leading American cattle breeding associations, resolutions were passed urging Congress to appropriate 2½ million dollars.

The House Agricultural Committee has already passed on the part of the appropriation relating to tuberculosis in cattle. As sent to the Senate, it provides for \$1,300,000, of which \$100,000 shall be immediately available. This cut in the appropriation for carrying on this most important work has undoubtedly been made because of the general demand for economy in appropriation. This is most commendable, but money spent in wiping out this insidious disease might well be looked upon as an investment rather than an expenditure. Competent authorities have estimated that the annual loss caused by tuberculosis, approximately 40 million dollars, could be reduced one-half during the next two years, if Congress would appropriate 2½ million dollars annually for the eradication of this disease.

As matters now stand in Kansas very little can be done to meet the demands of breeders for accredited herd work. About all Doctor Graefe can do is to take care of the herds already on the list, and herds where first tests have been made. If breeders wish the tuberculosis fight to continue they should urge upon their representatives in Congress, and particularly the Senate Committee on Agriculture, of which Senator Capper is a member, the necessity for increased appropriations to carry on this important work.

Prizes for Motor Car Letters

The editors of the Capper Farm Press wish to know exactly how farmers feel about their experiences with automobile and truck tires. To that end we offer three prizes for letters on this subject. Twenty dollars is the first prize; second, \$10; and the third, \$5. State whether you have a truck, mention its make and tonnage and state whether you use solid or pneumatic tires.

Letters should not exceed 800 words and all communications should reach us if possible by April 10. Address all communications to the Tire Letter Editor, Capper Farm Press, Topeka, Kan.

Oregon Farmers Thank Capper

At Dayton, Ore., the other day the Yamhill County Union of the Farmers' Educational and Co-operative Union of America met and resolved that it most heartily approved the efforts and endeavors of Senator Capper, of Kansas, in behalf of the farmers of the United States. Formal notice of this action was immediately sent to Senator Capper by President Barnett Roe and Secretary Thompson of the Yamhill County Union.

Many farmers think that the land in some other place is so much better than what they have that they must move. They usually never stop to think that if they would use the methods at home that they will have to use in the new place, they might get as large returns.

Capper Poultry Club

Good Care of Chickens Brings Profits to Girls

BY BERTHA G. SCHMIDT
Club Secretary

CLATTER, clatter, rinse and splatter! It's dishwashing time at my home in Northeast Missouri, but while I'm planning something really tempting to prepare for my mother's next meal I'm also thinking of the Capper Poultry club girls, for the postman has just arrived with a big bunch of club letters which Mrs. Ellis has forwarded to me, as well as a fine one from her telling about a lot of things that have happened since I left Topeka.

You who have written to me lately have received letters from Mrs. Ellis informing you that I was called home by my mother's illness. I know, too, that you have inquired about her. She is getting along very nicely but isn't gaining strength as rapidly as I had hoped she would. But you know what I have told you about your chickens—



Ruth Stone, Rice County

good care spells success. The same theory works with human ills, if the good care is given in time and long enough.

There are so many things that I want to talk to you about. To begin with, there's the form letter about baby chicks which I sent out to all club members. Kindly read it carefully and follow the instructions as your chicks grow from week to week. Also put into practice any other good advice about the care of chicks which you read in the Kansas Farmer and Mail and Breeze, bulletins or poultry journals. In so doing you'll be helping in three ways: putting Kansas in the front ranks as a poultry state, increasing food production and earning profits for yourself.

Here's a portion of a good letter from Gertrude Brazil, of Eudora, which tells about a part of her success:

"I have been doing fine with my chickens. I sold \$29 worth at home one day last week and received an order for a cockerel thru the mail the same day. My chickens are bringing me more than I had recorded in my profit when I sent in my annual report to you. I always enclose a stamp when I ship chickens and request my customers to let me hear how they reached their destination and assure them that I wish to know how well suited they are. All of my customers this year have expressed themselves as being well pleased. I tell you those letters make me feel that I have something that is being appreciated. That trio of chickens I won as a prize certainly is fine. I think Mr. Bourne must have selected the best he had. Mamma said they are worth \$12 she thinks. Mr. Bourne said he is interested in seeing young people start with purebreds. And I assure you the lesson I have had in the work has caused me firmly to decide that if my home is on a farm when I am grown,

nothing but purebreds will find shelter there."

Speaking of girls winning breeders' prizes reminds me to tell you that offers for this year's club work are steadily coming.

"I have been much interested in your poultry club work," wrote W. P. Strole of Rosedale, Kan. "It is a good boost for purebred poultry. The breed that I consider the best on earth ought to be represented among the prizes, so I propose to offer a trio of my 'Real Red' Single Comb Rhode Island Reds to the girl making the best record with this breed. The value of the trio I offer will be at least \$30. I will be glad to send any information I can to help any girl interested in this breed of chickens."

Mrs. Mary Wheeler, R. 2, Hartford, Kan., has just written me that she will give a Single Comb Rhode Island Red cockerel valued at \$5 to the girl making the second best record with this breed of chickens.

Any girls of the club of 1919 who still have stock for sale should write me about it. I have just received a letter from Lillian Milburn of Eudora, Kan., saying that she has 16 White Plymouth Rock pullets and one cockerel to sell.

Leaders have been appointed in the counties where membership is complete or nearing completion. Here are the leaders who have been selected up to the present time: Alma Bailey, Atchison county; Lenore Rosiska, Clay

county; Esther Teasley, Cloud; Edith Grover, Coffey; Mabel Hodges, Crawford; Gertrude Patton, Dickinson; Anna Greenwood, Greenwood; Violet Booth, Jackson; Helen Andrew, Johnson; Beth Beckey, Leavenworth; Elva Howerton, Linn; Blanche Ewald, Marshall; Bessie Taylor, Reno; Ruth Stone, Rice; Alice Hansen, Rooks.

That county leaders appreciate the honor bestowed upon them in being chosen for this office by their team mates and the state secretary is evidenced by the good letters I am receiving from them.

"When your letter came telling me I had been chosen county leader I was almost knocked speechless," wrote Ruth Stone. "I am going to do my best. I wrote to all of the girls at a distance. I know all but one of them. I told her something about myself so she would have some idea what I look like. My personal motto as a leader is 'Others.' I have a pin about 3/4 of an inch long in blue, white and gold with the word 'Others' on it in white on a blue background and at each end of the word is a gold star. I am going to wear it to every meeting."

The picture which I'm using today will show you how Ruth really looks. She is wearing her graduating dress.

"I wish to thank you and the Reno county girls for choosing me for county leader," wrote Bessie Taylor. "I will try to live up to the honor and do all I can to make the Reno county club a success. I don't want the girls to think they are not as much leader as I am for they are."

Spraying Costs

The extension division of the Kansas State Agricultural college has issued a helpful circular, Form 134, on the Cost of Spraying 100 Average Apple Trees. Every orchard owner in Kansas should have a copy. This and other helpful information on spraying will be sent free on application to the division.

The Midnight Marriage

A fascinating tale of love and romance; thrilling scenes; startling climaxes. To quickly introduce our popular monthly magazine, the Household, containing from 20 to 32 pages of short stories, serials and special departments we will send this book free with a 3-months subscription to the Household at 16 cents. Address: The Household, Dept. MM.2, Topeka, Kan.

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The Cause of White Diarrhea

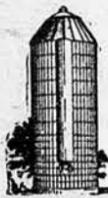
White Diarrhea is caused by the bacillus Bacterium Pullorum transmitted through the yolk. There is scarcely a hatch without some infected chicks. The germs multiply very rapidly and one infected chick may infect the entire brood. The germs can be killed by the use of preventives. Intestinal Antiseptics to kill the germs should be given as soon as the chicks are out of the shell. It is much easier to prevent than it is to cure.

How to Prevent White Diarrhea

Dear Sir: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. I used to lose a great many from this cause, tried many remedies and was about discouraged. As a last resort, I sent to the Walker Remedy Co., Dept. 48, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 63c packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail.—Mrs. C. M. Bradshaw, Beaconsfield, Ia.

Don't Wait

Don't wait until White Diarrhea gets half or two-thirds your chicks. Don't let it get started. Be prepared. Write today. Let us prove to you that Walko will prevent White Diarrhea. Send 63c for box on our guarantee—your money back if not satisfied. Walker Remedy Co., Dept. 48, Waterloo, Ia.



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The Grain Market Report

BY SANDERS SOSLAND

CURRENT wheat values, reflecting a premium of as much as 50 cents a bushel over the basic prices, indicate that the market is not dependent in any way on the guaranteed minimum, this merely prevailing in fact. The trade, however, must consider sentiment, and the passing of the government minimum price will doubtless wield bearish pressure on prices in this manner. The sharp break in prices from the high point of \$3.08 a bushel in Kansas City in the forepart of January was attributed in a measure to bearish sentiment resulting from warnings of the approaching expiration of the guarantee.

Car Shortage a Limiting Factor

While April and May appear the most opportune time for the sale of wheat in Kansas City, producers should begin making preparations before this time is actually at hand. Scarcity of cars may become acute about the time the country desires to unload its wheat, and, while prices may be highest at that time, forced carryover into the new crop may result from inability to obtain railroad equipment. In this connection, it is significant to note that the United States Grain Corporation will not pay the government price for wheat in farmers' hands after May 31, tho the growers may have made every effort possible to dispose of the grain.

The March report of the Department of Agriculture showed record farm reserves of wheat in Kansas, 36,240,000 bushels, compared with only 4,080,000 bushels a year ago, and 3,635,000 two years ago. The farm reserves of wheat in the entire United States were estimated at 165,539,000 bushels, compared with 128,703,000 bushels a year ago, and 107,745,000 bushels on March 1 of 1918. The largest holdings of wheat on farms March 1 were reported in 1916 at 244,448,000 bushels.

Declines of as much as 12 cents a bushel were recorded on hard winter and dark hard wheat last week, the market closing around 4 to 6 cents lower generally. The better grades of red wheat were 1 to 2 cents lower, while the cheaper offerings scored an advance of 3 to 6 cents.

The Corn Situation

The government report on farm reserves of corn showed that a total of 1,893 million bushels disappeared during the period from November 1 to March 1, the largest in the history of

the trade. The present stocks on farms amount to 1,093 million bushels, compared with 855 million bushels a year ago. In view of the enormous distribution of the crop thus far the figures are bullish on the coarse grain for the remainder of the crop year. The Kansas corn reserves are 19,421,000 bushels.

In the past week carlots of corn rose 2 to 6 cents a bushel, closing at a range of \$1.40 to \$1.52, tho the fancy grades of milling corn fell off about 1 cent, owing to reduced demand. In the speculative market gains of 5 to 7 cents a bushel occurred.

Fluctuations in the oats market were narrow, tending very slightly upward, the speculative trade closing with fractional net changes and carlots unchanged to 2 cents higher. With reserves of oats only 423 million bushels, compared with 598 million bushels a year ago and 606 million bushels two years ago, the strong position of the market can hardly be disputed. Consumption of oats in recent months has averaged 150 million bushels a month, and on this basis the present farm reserves are insufficient for requirements.

Bran and Shorts

Bran and shorts occupied a spectacular position in feed markets the past week. From a level of around \$40 a ton scarcely a month ago prices have advanced to a top of \$47 a ton for spot or prompt shipment in Kansas City. With the exception of the period immediately following the removal of the government maximum prices on bran, the current market is the highest in history. Bran for April shipment is around \$44, and for May \$41 to \$42. Gray shorts command \$52 to \$53 a ton, and brown shorts \$49 to \$51.

Strength, temporary at least, has developed in the alfalfa market, and a firm tone marks the trade in prairie and tame hay. The movement has slackened as a result of snows in the West, tighter car situation and the approach of spring work in the country. Demand from the East and Southeast is active, and liberal sales are being made in surrounding sections. Alfalfa has regained about \$2 of the recent loss, selling at an extreme range of \$15 to \$36 a ton. Tame hay is bringing up to \$31, and prairie is selling at a top of \$23. The country is eager to dispose of surplus holdings before the approach of the grazing season.

The Livestock Markets

BY SAMUEL SOSLAND

WHILE STOCKER and feeder cattle are \$3 to \$4 a hundredweight lower than a year ago, fed cattle are as much as \$5 lower. The bulk of the grass-fat cattle sold in Kansas City last summer and fall brought \$10 to \$13 a hundredweight. Thousands did not bring within \$3 a hundredweight of their cost last spring as stockers or feeders. The fact that cattle prices have since receded and that the bulk of short-feds, as well as cattle fed corn generously, have not been bringing more than \$11 to \$13 recently accounts for the feeling of many market interests that the approach of grass should not create too much cattle buying enthusiasm. But such enthusiasm appears to be growing.

Trade in Stock Cows

Stock cows and heifers are being recommended by some trade observers for purchase to run on grass. Stock cows of plain to choice quality, weighing around 700 pounds, can be obtained at prices between \$6 and \$8.50. Stock heifers weighing 550 to 750 pounds are quoted at \$6.50 to \$9, with good grades at \$7.50 to \$8.25. Stockers are quoted from \$6 to \$11.50. The lighter weights are in best demand, being preferred by

some buyers because they can be carried for a longer period and grown out in the event of declining prices. Fair to good stockers weighing 800 to 900 pounds brought \$10 to \$11 in Kansas City last week, advancing 50 cents. Stock calves sold from \$6 to \$11.25. Feeding cattle were quoted largely at \$9 to \$12.50. The stocker and feeder market in general last week was 25 to 50 cents higher.

Packers started to buy cattle at higher prices last week in Kansas City, but later withdrew support and the market closed somewhat easier than in the preceding week. Fed cattle sold up to \$14.75, but the bulk of beef steers were quoted at \$11.25 to \$13.50. Cows ruled between \$7.50 to \$10.50 on medium to good grades. Canners continued as low as \$4.25. Veal calves again sold up to \$15.50. Yearling and baby beef offerings were in better demand, selling between \$11.75 and \$13. Heifers were quoted from \$7.25 to \$13.

Hogs weighing 170 to 200 pounds, the weights most suitable for the fresh pork trade, are the most popular on markets, commanding sharp premiums over heavy weights. At Kansas City last week light weights sold up to

(Continued on Page 42.)



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Capper Pig Club News

The Dads are in the Game—Watch 'Em

BY EARLE H. WHITMAN
Club Manager

DID YOU ever stop to think that accurate records which would tell definitely the cost of farm products are one of the biggest needs of farmers today? A manufacturer, a merchant, a contractor or any other business man can give you exact information on his cost of production. Exceedingly few farmers are able to do so. That's just one place where boys who get the record keeping habit thru membership in the Capper Pig club are going to benefit in the future from their present work.

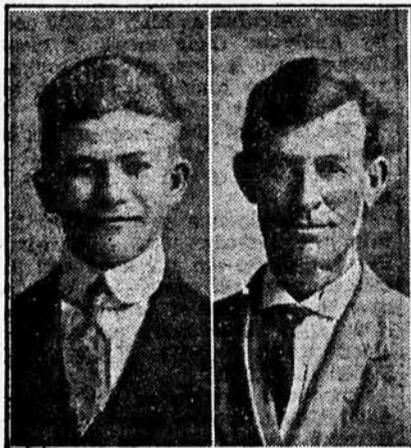
But wide-awake, ambitious Kansas boys aren't satisfied to keep records on only one sow and her litter. They want "dad" to get into the game, and "dad" is becoming convinced more and more that it's the thing to do. Noth-

the best ones, or something else goes wrong, remember that your teammates in your county and in the state, the club manager at Topeka, and meet important of all, Arthur Capper, who made our club possible, are watching to see how you'll stand the test of your pep. Will you be a "quitter," or will you stick to the game? Here's how Paul Baker of Logan county takes a little hard luck:

"My gilt was supposed to farrow March 1, but we have decided she has lost her pigs. This was a disappointment to me, but I will have her bred right away so she will farrow in June or July, altho I don't suppose I'll have much of a chance at the prizes."

When the last recommendations for 1920 are in, I hope to be able to announce several complete counties. Just now the Cloud county team has a full lineup. With the record that county has already, better keep your eye on this hustling bunch:

Name and Address	Age
Ernest Newingham, Concordia.....	15
Jesse Yoder, Jr., Concordia.....	16
Clarence Benson, Glasco.....	12
Clarence Marcotte, Clyde.....	13
Edwin Ming, Aurora.....	12
Edward Bray, Concordia.....	15
Paul Davidson, Simpson.....	14
Earl Smith, Ames.....	14
William Anderson, Concordia.....	14
Everett Thompson, Concordia.....	16



F. B. and Edward Slade, Father-Son Winners in 1919.

ing has pleased the club manager recently more than the way club dads have lined up for work in the father and son department, the work of which consists of keeping records on the farm herd. Recent additions have been numerous, and because we're one big family and desire to become acquainted all over the state, I'll give the names of these progressive men and their sons.

Every section of the state is represented. In addition to those named several weeks ago, A. Madsen and his boy, Howard, are ready to show where Rawlins stands; C. A. Stone of Rice county has entered his farm herd in the contest in partnership with a neighbor Capper Pig club boy, Herbert Hays; down in Coffey county two dads—D. F. Gillispie and Sam Kaufman—are in line with their boys, Lloyd and Ben; Dean and Edwin Snyder have put Pottawatomie county in the race, for the third year; G. W. and George Hagerman represent Stafford county; C. A. and Paul Knepper, Jackson county; M. H. and Gilbert Wagaman, Morton county; Matt S. and Henry Jones, Finney county; N. M. and Lee Sanders, Anderson; D. C. and Arthur Eckel, Lyon county; J. C. and Ernest Phipps, Ness county; and Mark T. and Anthony Bailey, Osage county. And perhaps I've not mentioned in a previous story that two veterans, J. C. Stewart of Lyon county and W. A. Andrew of Johnson county, with Harvey and Merlyn, are back in the game.

Some list, isn't it? Here's wishing every pair of partners the very best of success, and if they don't win a prize in the contest, they will have gained that during the contest which will be of more value than a check from Arthur Capper. Did you ask whether these boys are proud of the opportunity to go thru a year's contest work with "dad," helping in taking care of the farm herd, and feel all the time that they have a real interest in the task? We'll say they are, and if you still remain unconvinced, ask the boys themselves.

From now until farrowing season is past will be the time to learn what kind of stuff club members are made of. Luck can't always come the way of every one of us, you know, so when your contest sow doesn't farrow as many pigs as you had set your heart on having, or perhaps lays on a couple of

Has your sow farrowed yet? That's the important question that you ask nowadays when you meet a pig club boy. And that's the question the club manager would like to be able to ask every member. Just consider he's asked it in this story, and remember to sit down and write about your luck as soon as your sow farrows. Let's see what county will report the largest litter, and the largest total number of pigs.

Breeding 100 Per Cent

The breeding possibilities resulting from the great care taken especially by dairymen in the study of producing merit in the ancestral lines of breeding animals could not provide a more perfect example than the record of the Jersey bull, Fauvic's Prince. The now 8 years old and the winner of many championships in the show ring, but 12 of his daughters have freshened to date. All of these daughters have been officially tested, their average age at the beginning of their test being 25 months. Each of the daughters has qualified for the register of merit. The highest record is that of Princess Xenia with 11,396.6 pounds milk and 687.21 pounds butterfat. The lowest milk record was 6717.9 pounds milk containing 482.49 pounds fat and the lowest fat record was 457.13 pounds fat contained in 7683.4 pounds milk. The fact that every one of Fauvic Prince's heifers has made a creditable record is full proof of the value of careful study of ancestry.

Co-operation is just another way of saying "help your neighbor."

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Prize Winning Model—Hot-Water, Copper Tank, Double Walls Fibre Board, Self Regulated, Thermometer Holder, Nursery. With \$7.88 Hot-Water 140-Chick Brooder—Both only \$18.50

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My Special Offers provide ways to earn extra money. Save time—Order Now, or write for Free catalog, "Hatching Facts"—It tells all—Jim Rohan, Pres.

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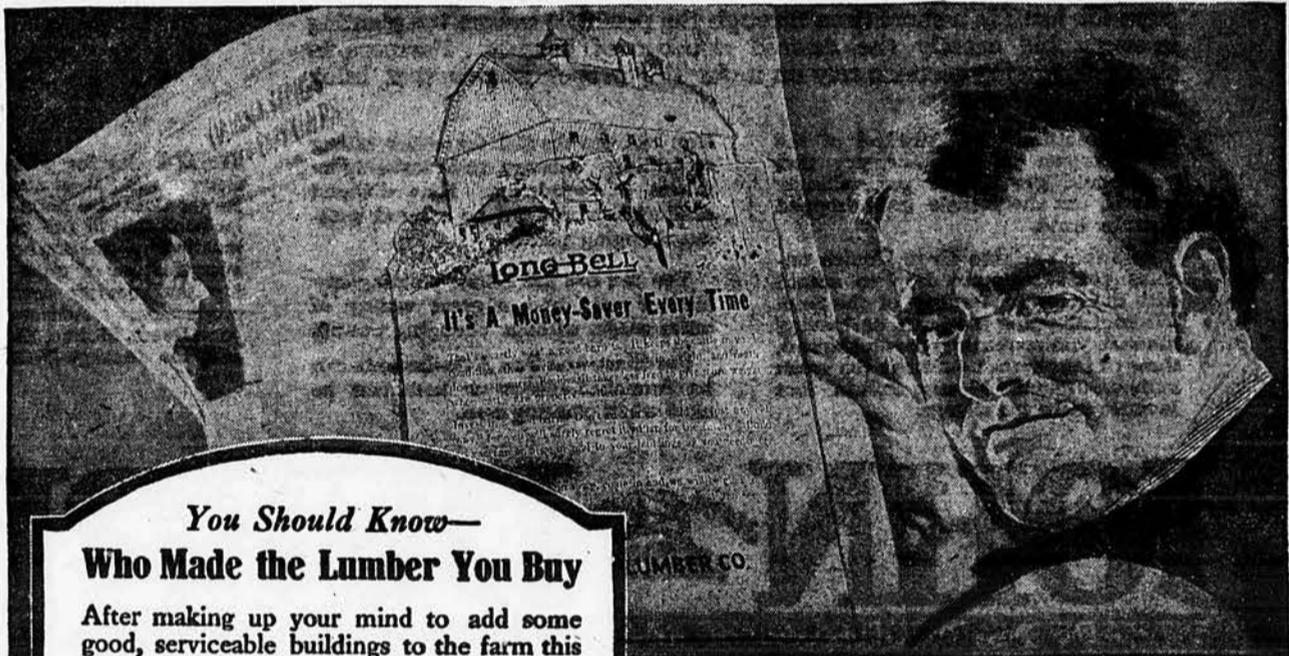
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After making up your mind to add some good, serviceable buildings to the farm this Spring it is important that thought be given to the biggest item that will go into the job—

LUMBER!

For years you have put considerable dependence in farm equipment of all kinds that bore the name of the manufacturer. The name was an assurance to you that it must be a good article or the man who made it wouldn't put his brand on it for when he does that he assumes responsibility.

The Long-Bell Lumber Company, largest manufacturer of Southern yellow pine in the United States, offers you this same assurance on lumber for it brands its product with this trade-marked name:

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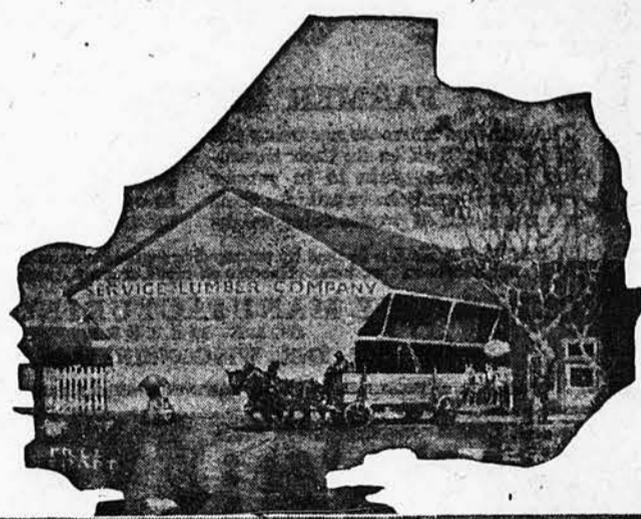
Southern Yellow Pine has no competitor as an all-purpose lumber. It is strong and durable, easy to work, economical and available at practically all lumber yards.

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JOHN DEERE

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pays for itself in a short time through the profits it makes by planting in every hill exactly the desired number of kernels. Farmers in all corn-growing sections rely on it for the proper stands that bring the extra bushels.

The "Counting Out" Method of the 999 gives you the same accuracy that you would get if you painstakingly counted out the kernels and dropped them by hand.

And the Variable Drop Device enables you to vary the drop to accord with the varying fertility of the field. Without stopping the team or leaving the seat, you can change the drop to two, three or four kernels—always the exact number desired. Merely shift a foot lever to make the change.

You can use the 999 for either hilling or drilling. Change made instantly by means of foot lever. Nine different drilling distances can be secured without changing plates.

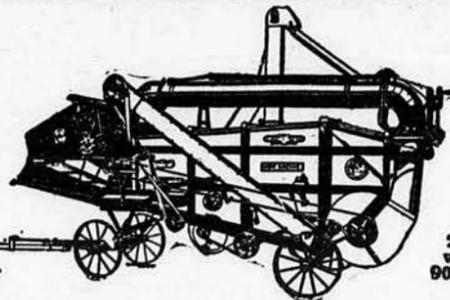
You can use the 999 for planting any kind of corn, and a great variety of other seeds, without changing cut-off.

Fertilizer and Pea Attachments can be furnished—either or both can be used when planting corn.

Write Today for your free copy of "More and Better Corn"—a popular book that is full of practical information on every feature of quantity and quality corn production. Address John Deere, Moline, Ill. Ask for package P-411.

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Karakuls—A Profitable Sheep

BY ANNIE M. NUNN

If you are going to raise sheep at all, why not raise good ones? The outlay in establishing a flock is greater, of course, than it is with a flock of inferior ones, but this should be of small consideration in view of the great difference in returns from the two flocks.

When Charles Goodnight of Goodnight, Tex., began raising high-grade Karakuls, they were the only ones in that part of the country, and breeders looked askance at them, but now that they have seen the thing tried out, they are thoroly convinced that Karakuls are a practicable proposition and are keeping them on their ranches.

Mr. Goodnight's foundation stock consisted of full-blood Karakul rams and Shropshire ewes. In regard to the results of this cross Mr. Goodnight has to say: "In the Karakul hybrid, we have a sheep that is as hardy as its Karakul progenitor—the hardiest of all sheep. I have shipped them to various climates, and they have done well, without an exception.

"They shear about 7 pounds, and since the wool is very light—it carries no grease—the Karakuls yield more wool than the ordinary sheep and are larger, weighing as high as 300 pounds. By analysis, their meat is clear of fiber; hence it does not get tough like other mutton and has a much better flavor, in fact it is delicious.

"The skin of the three-quarter-blood lamb, skinned at 2 days old will bring from \$3 to \$15 on the New York market.

"I have made a great effort to obtain the history of the Karakul or Persian sheep—so far as I can ascertain they are the same—but with scant success. I know of but two importations and this scarcity makes the full bloods very expensive. They cost from \$1,000 to \$1,200.

"In the language of the people of Asia Minor, where these sheep come from, the word Karakul means black lick. The name of the sheep probably came from that."

Mr. Goodnight, a Texas pioneer and stockman is probably better known than any living Texan, owing to his splendid work in helping to perpetuate the buffalo, and in creating the famous hybrid, known as the catalo, which is a cross between the buffalo and black Polled Angus cattle.

The Goodnight ranch is visited yearly, by hundreds of people and with good reason; for this ranch with its 200 head of native buffaloes, its 40 head of cataloes, its 400 head of high-grade Karakul sheep, is one of the most unique ranches in the world.

The Livestock Markets

(Continued from Page 40.)

\$15.25, while hogs weighing 260 to 300 pounds brought only \$13.75 to \$14.25. The manner in which packer buyers are competing for the light hogs indicates that further advances will be witnessed in prices.

Iowa and Illinois are seeking more stock hogs in the Southwest. The offerings are light, and prices have advanced to a top of \$15.60. The sales of stock hogs at Kansas City last week were largely at \$12.50 to \$15.60, the latter price showing a premium of 25 cents over the top for fat hogs.

Encouragement for bullishness is not to be found in the manner in which packers are absorbing sheep and lambs. Prices were mostly unchanged in Kansas City last week, with lambs up to \$19.10 and the bulk of sales of good grades at \$18.25 to \$18.75. Some fair to good fed lambs sold at \$17.50 to \$18. Light lambs command a premium, for they can be sold to the public at this season as "fancy spring lamb". Fed ewes are quoted up to \$14. Feeding lambs range from \$16.50 to \$17.50.

An easier tone is reported in the horse and mule market. It is still quite obvious that holders of surplus mules suitable for immediate marketing are missing a wonderful opportunity to obtain extraordinary prices by refusing to sell at this time.

At Kansas City last week receipts showed little change in the case of cattle, hogs and sheep as compared with a year ago, while at the leading Western markets combined moderate decreases were the rule.

Classified Ads Bring You Quick Returns

With the Capper Calf Club

Calves Two Months Old May be Entered

BY EARLE H. WHITMAN
Club Manager

ARE CAPPER Calf club members finding it difficult to get contest calves of the proper age? Would it make the task easier if the rules were changed so that calves as old as 2 months could be entered?

These questions have been in the club manager's mind for some time, and after giving the matter careful consideration, I've decided that club members who cannot find calves that will be one month old when entered sometime between April 1 and May 1, may enter animals of any age up to 2 months old. On first thought it might appear that the contestant entering the older animals would have an advantage over the one with the month-old calves, but age of entry will be taken into consideration when prizes are awarded.

This is the first change to be made in the Capper Calf club rules. If there are others which should be made, the matter will be taken care of. Let's discuss everything thoroughly, and perhaps we can better the club we're going to work so hard to make successful. Make any suggestions that may occur to you.

What boy or girl is going to be the first to have a picture to use in the club story? Of course, you're going to be proud of your contest calves. Well, get someone to take a good, clear picture of yourself and the calves and send it to the club manager. Let boys and girls in other counties know that you have a fine contest entry and are out to win.

Just think of it! Only 11 days until it will be too late to enroll in the Capper Calf club for 1920. We've got a fine club now, but there's room in nearly every Kansas county for boys and girls who have the right kind of ambition and pep. And you members who already are lined up, don't be satisfied just to be in the club, but get out and talk your friends into joining. If the names of the members in your county haven't been published in the club story, your team isn't complete. Let's see some especially strong pep in Ness and Pottawatomie counties. Each county has four members, and it will be a shame if one more boy or girl isn't added to each team. Then, there are Coffey, Dickinson, Jefferson, Linn and Reno counties with three members apiece. Come on, let's do some hustling. The application coupon will appear only once more. Clip it now and send it to the club manager. You'll get complete information and instructions by return mail and soon will be lined up for contest work with two fine calves of your very own.

How many club members favor black cattle? Lots of folks do, and even if you admire some other kind more, you'll be interested in reading something about the Aberdeen-Angus breed. Of course, the Galloways also are black, but we'll wait until another time to study them.

The Aberdeen-Angus breed of cattle

was developed in Scotland, getting its name from two Scottish counties. Its origin is very obscure. The breed was improved to a great extent in the Eighteenth Century by Scottish breeders. To a Kansas man belongs the honor of first importing Aberdeen-Angus cattle into the United States. George Grant of Victoria, Kan., brought three bulls to America in 1873, exhibiting two of them at the Kansas State Fair.

In color, the Aberdeen-Angus is solid black almost without exception. The head is hornless, broad and short; the neck is short and smoothly attached to the broad and well covered shoulder. The body is broad and deep, and the loin is nicely rounded. In weight this breed ranks high. Aberdeen-Angus cows are very fair milkers, altho not exceptionally good. For many years this breed has been at the front as a meat producer.

Steer Prices in the Southwest

A summary of reports received from 34 shipping points in the Southwest range country gives the following prices being offered for cattle for spring delivery: Steer calves \$35 to \$45; yearlings \$45 to \$50; 2-year-olds \$50 to \$75; 3 and 4 year olds \$85 to \$90; dry cows \$70 to \$75. Fifteen of the above points reported sales totaling the following averages: 282 calves at an average of \$41.75; 5,040 yearlings at \$47.46; 1647 twos at \$62.75; 3,050 3 and 4 year olds at \$74.45; 5,563 dry cows at \$68.08. The top price on calves was \$47.50 paid for 80 head of steer calves and \$150 paid for 225 bull calves. Two thousand five hundred yearlings sold in one bunch at the top price of \$50 a round. Four hundred 2 year olds averaging 663 pounds sold at \$11.50 a hundredweight, making the top 2-year-old average of \$76.25. One hundred and twenty-five aged steers sold at \$100. Eighty-five dollars was the top price for dry cows being paid for a lot of 118 head. Twenty-two points reported the estimated number of steers for sale, totaling 289,000. These are mostly 2 year olds, very few aged or yearling steers being on hand. All points were unanimous in reporting a good demand, extensive trade in dry cows, good prospects for a big 1920 calf crop and the range in fine condition.

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The Capper Calf Club

Capper Building, Topeka, Kan.

Earle H. Whitman, Club Manager
I hereby make application for selection as one of the representatives of

.....county in the Capper Calf Club.

I will try to get the required recommendations, and if chosen as a representative of my county I will carefully follow all instructions concerning the club work and will comply with the contest rules. I promise to read articles concerning club work in the Kansas Farmer and Mail and Breeze and will make every effort to acquire information about care and feeding of my contest entry.

Signed..... Age.....

Approved..... (Parent or Guardian)

Postoffice.....R. F. D.....

Date..... Age Limit: 12 to 18.

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23	2.76	9.20	39	4.68	15.60
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EMPLOYMENT

WANTED—MARRIED MAN FOR GENERAL FARM WORK, STEADY EMPLOYMENT. A. N. Stark, Preston, Kan.

HALF-TIME WORK ON FARM WANTED. Five hours per day or can milk and chore. I. N. Farr, Stockton, Kan.

MEN WANTED—RAILWAY MAIL CLERKS \$110 a month. List positions free. Franklin Institute, Department R15, Rochester, New York.

WORK WANTED—MARRIED MAN, ALL AROUND FARMER, HANDY WITH ALL KINDS OF MACHINERY AND CARPENTER WORK. S. O. Webb, Box 39, Newport, Ark.

FIREMEN, BRAKEMEN, BAGGAGEMEN, \$140-\$200. Colored porters by railroads everywhere. Experience unnecessary. 796 Ry Bureau, East St. Louis, Ill.

WANTED—YOUNG, RELIABLE, EXPERIENCED FARM HAND. Also married man. Furnish separate house and outbuildings. \$70 and \$80. W. Willers, Route 1, Pilger, Neb.

RAILWAY MAIL CLERKS NEEDED, \$1,300-\$2,000. Work 15 days monthly, paid full time, travel free. Hotel allowance. No experience required. Write Ozmert, 187, St. Louis.

TEAMSTERS AND FARMERS, SINGLE, \$55 per month and board to start. Raise every four months. Steady work. Only those capable doing man's work need apply. The Pickering Farm, Belton, Mo.

WOULD YOU LIKE TO STUDY LAW IN YOUR SPARE MOMENTS? I have a splendid opportunity to offer you. Send me your name and address right now. C. F. Dunlap, 3654 Manhattan Building, Chicago.

RAILWAY TRAFFIC INSPECTORS, SPLENDID PAY AND EXPENSES. Travel if desired; unlimited advancement. No age limit. Three months home study. Situation arranged. Prepare for permanent position. Write for booklet C. M. 17. Standard Business Training Institute, Buffalo, N. Y.

DON'T WASTE YOUR SPARE TIME—IT CAN BE TURNED INTO MONEY ON OUR EASY PLAN. We have a splendid offer for ambitious men or women who desire to add to their present income, and will give complete details on request. Simply say, "Tell me how to turn my spare time into dollars" and we will explain our plan completely. Address: Circulation Manager, Capper Publications, Topeka, Kan.

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MASON SOLD 18 SPRAYERS AND AUTO WASHERS ONE SATURDAY. Profits, \$2.50 each. Square deal. Particulars free. Rusler Co., Johnstown, O.

WE PAY \$200 MONTHLY SALARY AND FURNISH RIG AND EXPENSES TO INTRODUCE GUARANTEED POULTRY AND STOCK POWDERS. Bigler Co., X 608, Springfield, Ill.

AGENTS—\$100 WEEKLY. AUTOMOBILE OWNERS EVERYWHERE WILD WITH ENTHUSIASM. Marvelous invention doubles power, mileage, efficiency. Saves ten times its cost. Sensational sales everywhere. Territory going like wildfire. \$26 sample outfit and Ford car free. Write quick. L. Ballway, Department 283, Louisville, Ky.

SALESMEN

SALESMEN AND RETAILERS WANTED TO SELL DUCOMMON'S VICTORY PLANT SPUR, A PLANT STIMULANT. Fast selling proposition. We can't use you unless you are worth \$60 to \$80 per week and expenses. Write to Ducummon Bros., Lawrence, Kansas.

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VEIL MATERNITY HOSPITAL FOR YOUNG WOMEN BEFORE AND DURING CONFINEMENT; PRIVATE; TERMS TO SUIT; BABIES ADOPTED FREE. Mrs. C. M. Janes, 15 W. 31st, Kansas City, Mo.

INVENTORS WRITE FOR OUR ILLUSTRATED BOOK AND EVIDENCE OF CONCEPTION BLANK. Send model or sketch for our opinion of its patentable nature. Highest references, prompt service. Reasonable terms. Victor J. Evans & Co., 825 Ninth, Washington, D. C.

HIGH PRICES PAID FOR FARM AND DAIRY PRODUCTS BY CITY PEOPLE. A small classified advertisement in the Topeka Daily Capital will sell your apples, potatoes, pears, tomatoes and other surplus farm produce at small cost—only one cent a word each insertion. Try it.

SERVICES OFFERED

POSTAL BRINGS FREE BOOKLET, ALL ABOUT PATENTS AND TRADE MARKS AND THEIR COST. Shepherd & Campbell, Patent Attorneys, 738 8th Street, Washington, D. C.

FAIRMOUNT MATERNITY HOSPITAL FOR CONFINEMENT; PRIVATE, PRICES REASONABLE, MAY WORK FOR BOARD, BABIES ADOPTED. Write for booklet. Mrs. T. B. Long, 4911 East 27th St., Kansas City, Mo.

CATCH MORE FISH—FISHING SEASON WILL SOON BE HERE. Get ready now. Catch more fish than ever before. Use Dough Balls, the best bait I ever used for Carp and Catfish. Send 25c, silver, today for recipe and make them right. F. B. Cunningham, 1176, Grand Ave., Topeka, Kan.

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P & O SIX-BOTTOM PLOW, L. E. FEITCHER, ROBINSON, KAN.

CARLOAD OF GOOD HEDGE POSTS. W. A. Ward, Minneapolis, Kan.

1 INCUBATOR, 3 BROODERS, 1 OAT SPRINGER. A. Pitney, Belvue, Kansas.

SILCO, 220-TON GALVANIZED STEEL. Priced to sell. Mrs. T. C. Conklin, Mulvane, Kan.

ITALIAN BEES, RHODE ISLAND RED EGGS, POLAND CHINA PIGS. Miss Lulu Goodwin, Mankato, Minn.

WRITE FOR DELIVERED PRICES ON CEDAR POSTS. Pay after unloading. J. B. Overton, Sagie, Idaho.

WHOLESALE PRICES ON BALE TIES, LUMBER DELIVERED TO ANY TOWN IN THE STATE. Hall-McKee, Emporia, Kan.

MR. FARMER, SEND FOR FREE BOOKLET, "ROPE MAKING ON THE FARM." New Era Rope Machine Company, 1222 Plymouth Building, Minneapolis, Minn.

ONE PAIR USED PLOW HARNESS IN GOOD CONDITION, \$20. Good buggy with good top, wide seat, \$20. Will sell together or separately. Henry Voth, Goessel, Kan., Route 2.

BANKRUPT FACTORY CLOSING OUT STOCK FORKS AND SHOVELS, 72c EACH. Hay forks, bundle forks, manure forks, round pointed shovels, dirt shovels, spades, long post hole digging spades, one of each, 7 for \$5. Express prepaid. Free literature showing picture of tools. Process Manufacturing Corporation, Salina, Kan.

MACHINERY

18 H. P. ADVANCE COMPOUND ENGINE AND 32-54 CASE STEEL SEPARATOR FOR SALE. C. H. Sawyer, Moline, Kan.

FIFTY HORSE CHARTER KEROSENE STATIONARY ENGINE, FOR SALE. Lester Bridenstine, Route 4, Marienthal, Kan.

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20H. P. INTERNATIONAL ENGINE FOR SALE. Has not had total use of over 30 days. All right but do not need it longer. Will take \$350. New will cost more than four times as much. D. W. Stone, Medicine Lodge, Kan.

WANTED

WANTED—HEDGE POSTS IN CARLOAD LOTS. Peterson Bros., Thayer, Kan.

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WILL BUY OLD GALVANIZED IRON SILOS, OR WILL TAKE THEM DOWN FOR YOU. H. F. Stalder, Meade, Kan.

WHO WANTS A NICE BRIGHT BOY 12 YEARS OF AGE, AT ONCE? A boy you will be proud of. Write Box 177, Sullivan, Mo.

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8-15 AVERY TRACTOR IN FIRST CLASS SHAPE. Priced to sell. Ben Kruse, Geeseo, Kan.

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GOOD SEEDS AT LOW PRICES, MY OWN RAISING. Write for samples and prices. Corn, Barley, Oats, Cane, Orange, White, Red and Black Amber Kafir; Sudan grass, Corn, barley in car lots. Fred J. Fraley, Bogue, Kansas.

SEEDS

FRED SORGO, RECLEANED, SACKED, \$4 CWT. L. C. Helvie, Lydia, Kan.

FOR SALE—ALFALFA SEED, 95% PURE, GOOD GERMINATION, \$15 PER BUSHEL MY TRACK. Geo. Bowman, Concordia, Kan.

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PURE, EARLY PINK KAFIR, RECLEANED, 90 PER CENT GERMINATION, \$4, CWT. My station, sacks extra. Ernest Simmons, Dwight, Kans.

FOR SALE—PURE BLACK HULL WHITE KAFIR, \$2.25 BUSHEL. Guaranteed to grow. Sacks 20 cents extra. Harry Stambaugh, Emporia, Kan. Route 7.

SEED CORN, AMERICA'S CHOICEST QUALITY 90 TO 130 BUSHEL KINDS. Produces 2 1/2 lb. ears. Must please or money back. Bushel, \$4. Wiltse, Rulo, Neb.

SEND FOR OUR SEED CATALOGUE. Lowest prices on everything in seeds, potatoes, seed corn, onion sets, etc. Hayes Seed House, Topeka, Kan.

SUGAR DRIP CANE, GREATEST SORGHUM VARIETY. Sudan corn, the drought resister. Write for samples and prices. D. S. Reliff, Garden City, Kan.

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SEED CORN, YELLOW DENT, BUTTED, TIPPED AND GRADED, TESTED 100% STRONG. Samples on request. Best of grain bags included, \$4 a bushel. G. O. Rye, Powhattan, Kan.

FREE—TO CO-OPERATORS—SEED OF FETERITA AND CANE CROSS, WHITE, FREE SHELLING. For selecting new and better strains. Great possibilities. I. N. Farr, Stockton, Kan.

PRIDE OF SALINE AND BOONE CO. White seed corn, pure, hand selected, butted and tipped, sacked, F. O. B. Luray, \$3.50 per bushel. Mrs. O. O. Mowrey, Luray, Kan.

SUDAN GRASS SEED, RECLEANED, GUARANTEED PURE, 100 LBS., \$13.50; SMALL QUANTITIES, 15 CENTS POUND. Order from the place where seed is grown. Plainview Produce Company, Plainview, Texas.

SEEDS—RED AND BLACK AMBER, AND SOURLESS CANE, ALSO SCHROCK KAFIR. All \$1.50 per bushel, sacked, f. o. b. Ensign. Samples free. The Farmers' Grain and Supply Company, Ensign, Kansas.

I HAVE HAD MY EARLY BLACK HULL WHITE SEED KAFIR CORN GATED AT THE MANHATTAN AGRICULTURAL COLLEGE AND THE GERMINATING PERCENTAGE IS 94. \$4.70 per hundred, sacks included. William Foster, Carbondale, Kansas.

SUMAC CANE SEED, PRODUCES A HEAVY CROP OF FINE, SWEET FORAGE THAT DOES NOT SOUR. Pure re-cleaned home-grown seed, \$2 bushel, F. O. B. Russell, sacks free. Reference, Farmers State Bank. John McAllister, Russell, Kan.

FANCY HAND PICKED, TIPPED AND BUTTED "KAW VALLEY" BRAND OF BOONE COUNTY WHITE SEED CORN, SACKED, \$3 PER BUSHEL. F. O. B. Wamego, Kan. Account slow freight service, order now. Wamego Seed and Elevator Co.

JAPANESE HONEY DRIP CANE SEED. Last year we grew on 25 acres, an average of 30 tons to the acre. If you have a better forage crop, don't buy seed of us. If ours is better than any you know of, let us supply you. Gillett's Dairy, El Paso, Tex.

GUARANTEED SEEDS—WE HAVE A COMPLETE LINE AT ALL TIMES. We live where the seed grows and sell for less. We guarantee satisfaction in every case or refund your money. Look up our ad in the display section of this paper, which gives you lowest wholesale price of seeds. We accept Liberty Bonds. Meter Seed Company, Russell, Kansas.

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TYPEWRITER FOR SALE, CHEAP TRIAL. Write J. Yotz, Shawnee, Kan.

REMINGTON TYPEWRITERS, \$25. OTHER MAKES CHEAP. Fort Scott Typewriter Exchange, Fort Scott, Kan.

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TOBACCO—NATURAL LEAF CHEWING, 60c POUND; SMOKING, 50c POUND; PREPARED. Chas. Goff, Tarkoff, Ky.

TOBACCO—MILD BURLY SMOKING, 60 CENTS PER POUND, POSTPAID. Prompt shipment. Paul O'Connell, McQuady, Ky.

RED LEAF TOBACCO, CHEWING OR SMOKING, AGED IN BULK, 6 POUNDS \$3; 10 POUNDS \$4.70; GRADE 2 SMOKING 10 POUNDS \$4 POSTPAID. Murphy Company, Martin, Tenn. Reference, Peoples Bank.

FOR THE TABLE

CLEAR EXTRACTED HONEY—60-POUND CAN, 18c A POUND. L. Gorsuch, Lazear, Colo.

PINTO BEANS 100 POUNDS \$8.50. Satisfaction guaranteed. W. A. Hooper, Stratton, Colo.

HONEY OF SUPERIOR QUALITY, ALSO GREEN COUNTY'S CHEESE. Price list free. E. N. Rosa, Monroe, Wis.

OLD FASHION "CUBAN MOLASSES," SPECIAL PRICE FOR A FEW WEEKS. Guaranteed to keep all summer. 30-gal. barrels, 35c gal.; 60-gallon barrels, 30c a gallon. Cash with order. Winston Grain Co., Winston, N. C.

"THE BESTO" ROCKY MOUNTAIN HONEY, LIGHT COLORED, THICK, FINE FLAVORED. Per can, five pounds net, postpaid anywhere west of Ohio river, \$1.50. Send remittance with order. The Colorado Honey Producers' Association, Denver, Colo.

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PLANTS

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BEAUTIFUL SONGBIRDS AND FEMALES. Mrs. Iver Christenson, Jamestown, Kans. RAISE RABBITS FOR US. WE SHOW YOU where to market all you raise at \$4 to \$25 each. Remit \$5 for large, illustrated, type-written print on one side of paper, "Course in Rabbitcraft," which remittance also applies on purchase of pair Belgian Hares, including contract. Co-Operative Supply Company, Department 80, St. Francis, Wis.

STRAY LIST.

TAKEN UP BY E. C. CHILDERS, OF Strawn, Coffey County, Kansas, on the 23rd day of December, 1919, one black sow, weight 190 pounds. Ed. A. Gilman, County Clerk. TAKEN UP BY BURTON LOTT, WHOSE residence is in Minneapolis, Kan., Route 2, on the 1st day of September, 1919, one yearling steer, red, with white face, medium size, having no marks or brands, appraised value \$20, and one three-year-old heifer, black and white, medium size, having no marks or brands, appraised value \$40. C. C. Davis, county clerk, Ottawa county.

POULTRY

So many elements enter into the shipping of eggs by our advertisers and the hatching of same by our subscribers that the publishers of this paper cannot guarantee that eggs shipped shall reach the buyer unbroken, nor can they guarantee the hatching of eggs. Neither can we guarantee that fowls or baby chicks will reach destination alive, nor that they will be satisfactory because opinion varies as to value of poultry that is sold for more than market price. We shall continue to exercise the greatest care in allowing poultry and egg advertisers to use this paper, but our responsibility must end with that.

ANCONAS.

ROSE COMB ANCONA EGGS, HEAVY LAYERS, Box 111, Inman, Kan. PURE BRED ANCONA EGGS, \$7 PER 100. George S. Hamit, Speed, Kan. SHEPPARD STRAIN SINGLE COMB ANCONAS, cockerels and eggs. Mrs. Bessie Buchele, Cedarvale, Kan. FANCY SINGLE COMB ANCONAS—EGGS, \$1.50 fifteen; \$8 hundred. Matchless layers. A. L. Wylie, Clay Center, Kan. EGGS, SINGLE COMB ANCONAS, THE greatest layers known. \$2 setting; \$8 hundred, prepaid. Sadie Miller, Meriden, Kan. S. C. ANCONAS, 300 EGG STRAIN, Selected stock. Eggs, 15 cents each. Farm raised, trapnested. E. S. Larson, Chanute, Kan. SHEPPARD'S FAMOUS 350 STRAIN MADISON Square Garden prize winners. Anconas. \$3 per setting of 15. Address Box 5, Miller, Kan.

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ROSE COMB RED BABY CHICKS, 25 cents. Lilly Robb, Neal, Kan. ROSE COMB RED BABY CHICKS, APRIL, 20c; May, 15c, prepaid. Mrs. Gilbert Smith, Lyons, Kan. BABY CHICKS, LEADING VARIETIES. Booking orders now. Sarver Poultry Farm, Hastings, Neb. "KLUSMIRE" IDEAL BLACK LANGSHAN eggs and baby chicks. Write for list. Geo. Klusmire, Holton, Kans. BABY CHICKS—SINGLE COMB WHITE Leghorns, 16c; Barred Plymouth Rocks, 18c, cash with order. Myers Hatchery, Clay Center, Kan. BABY CHICKS, PREPAID, \$18 TO \$25 per hundred. Rocks, Reds, Orpingtons, Minorcas, Brahmans, Leghorns. Kansas Poultry Company, Newton, Kansas. 500,000 BABY CHICKS, 20 LEADING VARIETIES, via prepaid parcel post. Safe delivery guaranteed. Catalog free. Miller Poultry Farm, Box 666, Lancaster, Mo. BABY CHICKS—PURE S. C. WHITE AND Brown Leghorns, 17c. R. I. Reds, Barred Rocks, Buff Orpingtons, 18c; prepaid. Safe delivery guaranteed. C. G. Cook, Lyons, Kan. BABY CHICKS—DAY-OLD SINGLE COMB White Leghorns, 20 cents each. Write us for particulars on our ten thousand bird flock. Farm Colony, United States Disciplinary Barracks, Fort Leavenworth, Kansas. BABY CHICKS, SINGLE COMB BROWN and White Leghorns, Barred and Buff Rocks, and Rhode Island Reds. Live delivery guaranteed. Postpaid. Catalog free. Huber's Reliable Hatchery, Box 4, Augusta, Kan.

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S. C. W. LEGHORNS, BARRED PLYMOUTH Rocks, R. and S. Comb Rhode Island Reds, Buff Orpingtons and White Wyandottes. Specializing on only six varieties, my quality is the best. Guaranteed delivery. Postage paid. Circular free. Porter Hatchery, Department B, Winfield, Kan.

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DARK CORNISH PURE BRED EGGS, SETTING, \$5; 30, \$8; 50, \$12; 100, \$18, prepaid. Satisfaction guaranteed. Mrs. Brockey, Peru, Kan., Route 1.

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FANCY FERTILE MAMMOTH PEKIN duck eggs, \$2 1/2. Zelma Sigle, Lucas, Kan. MAMMOTH WHITE PEKIN DUCK EGGS, \$1 for 15. Drakes, \$2.50. Robert Kyle, La Cygne, Kan. CHOICE MAMMOTH WHITE PEKIN drakes, \$2.50; ducks \$2; eggs 11, \$2. Margaret Ribeau, Osborne, Kan.

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RINGLET STRAIN PURE BARRED ROCK eggs, 100, \$7. Mrs. Lynn Bailey, Lyndon, Kan.

L. B. RICKETTS, GREENBURG, KAN., Single Comb White Leghorn eggs and baby chicks. ROSE COMB RED EGGS, 100, \$10. Toulouse goose eggs, 25c. Steven Whisler, White City, Kan. FINE S. C. ANCONA EGGS, 15, \$2; 100, \$10. Barred Rocks, 15, \$1.50; 100, \$7. Julia Ditto, R. 7, Newton, Kan. ROSE COMB BUFF LEGHORN EGGS, \$10 per hundred. Baby chicks, 20 cents each. Mrs. John Zimmerman, Sabetha, Kan. WRITE GRANT, THE WHITE LEGHORN Man at Elk Falls, Kansas. 10,000 hatching eggs and chicks to offer. Satisfaction guaranteed.

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HATCHING EGGS FROM RANGE FLOCK Single Comb White Leghorns, \$10 per 100, also eggs from specially mated pens. Write us for particulars on our ten thousand bird flock. Farm Colony, United States Disciplinary Barracks, Fort Leavenworth, Kansas. WHITE WYANDOTTES, WHITE LEGHORNS, Rose Comb Black Minorcas, Buff Orpingtons; Fawn and White Runner ducks; Rose Comb Black, Buff Cochin and Mille Fleur bantams. Eggs for hatching. Mating list free. Boge's Poultry Yards, Harvard, Neb. HATCHING EGGS—RHODE ISLAND Whites, Rhode Island Reds, White Wyandottes, Blue Andalusians, Black Langshans, Black Minorcas, White Leghorns, Barred Rocks. Write for catalog quoting prices on pens and range flocks. L. E. Thompson, Wellington, Kan.

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PIT GAMES AND EGGS. E. E. HOBSON, Osage City, Kansas.

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MAMMOTH TOULOUSE GOOSE EGGS, guaranteed. \$3 per 10. Mrs. Clyde Meyers, Fredonia, Kansas.

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ROSE COMB SILVER SPANGLED HAMBURG eggs, \$2 1/2; \$10, 100. Leland McKittrick, Wilson, Kan. THOROBBED ROSE COMB SILVER Spangled Hamburg eggs. Setting, \$2.50; 50, \$6; 100, \$12, prepaid. Satisfaction guaranteed. Mrs. Brockey, Peru, Kan., Route 1. PURE BRED ROSE COMB SILVER Spangled Hamburgs, finest laying strain. Eggs, \$2.50 per 15; \$12 per hundred, prepaid. Satisfaction guaranteed. Mrs. L. A. Alexander, Peru, Kan., Route 1.

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HOUDAN COCKERELS, \$3 EACH. MRS. Nellie Ekart, Route 5, Manhattan, Kans.

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BIG BLACK LANGSHANS, GOOD SCORING, best laying strain. Guaranteed. Osterfoss, Hedrick, Iowa. EGGS FROM BLUE RIBBON BLACK Langshans 15, \$2.50; 100, \$12, prepaid. Lizzie Munsell, Gilead, Neb.

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WHITE LANGSHAN EGGS, \$8-100; \$5-50; \$2-15; cockerels \$3.50. Mrs. Blaine Smith, Blackwell, Oklahoma, Route B.

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YOU ARE ALWAYS IN TOUCH WITH quality Langshans at the home of Ollie Ammon, Netawaka, Kansas. Eggs \$10-100; \$2-15. Save this ad.

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EXTRA PRIZE THOROBBED BLACK Langshan eggs from ten pound hens; cockerels, 15. Extra layers, 15 eggs, \$5; 100, \$18. Maggie Burch, Oyer, Mo.

EGGS FOR HATCHING. BLACK LANGSHANS, \$3 per 15; White Langshan pen, \$3 per 15; range, \$2, or \$8.50 per 100. Sicilian Buttercups, \$3 per 15. S. C. Anconas, \$3 per 15. Mrs. Elmer Caywood, Raymond, Kan.

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S. C. WHITE LEGHORN EGGS. CECIL Souders, Cheney, Kan. S. C. WHITE LEGHORN EGGS. C. E. Morris, Cimarron, Kan.

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PURE BRED S. C. BROWN LEGHORNS. Good layers. Eggs, \$6 per 100. Mrs. C. A. Lilly, Melvern, Kan. OHIO GOLDEN BUFF LEGHORNS, SINGLE comb, extra layers. Eggs 100, \$6. Ella Beatty, Lyndon, Kan.

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EXTRA GOOD LAYING SINGLE COMB Buff Leghorns. Eggs, \$1.50 15; \$7 100. B. W. Gardner, Carbondale, Kan. ROSE COMB BROWN LEGHORN ROOSTERS, \$1.90. Eggs, 6c. State winners. Rufus Standiford, Reading, Kan.

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LEGHORNS

SINGLE COMB BUFF LEGHORN EGGS, first class laying strain, \$8 per 100, \$2 per 15. Mrs. S. C. Whitcraft, Holton, Kan., R. 8.

R. C. BROWN LEGHORNS, VIGOROUS stock, winter layers, free range. Eggs, \$7 per 100. Blue Grass Stock Farm, Onelda, Kan. PURE SINGLE COMB BROWN LEGHORN eggs. Extra fine stock, \$6.50 hundred prepaid. Mrs. Harry Augustus, Waterville, Kansas.

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SINGLE COMB BUFF LEGHORN, WINTER laying strain, 15—\$1.50; 100 \$7. Gilt Edge Poultry Farm, Swinehart, Norwich, Kansas.

SINGLE COMB BUFF LEGHORN EGGS, 108, \$7. Heasley's famous egg strain. Heavy layers. W. M. Busch, Mayfield, Kansas.

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SINGLE COMB BROWN LEGHORN EGGS, professionally culled, orders promptly filled, \$1.25 15; \$7 100. Easter Brothers, Abilene, Kan.

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PURE SINGLE COMB BROWN LEGHORNS. Eggs \$8 per 100; \$4.25, 50; \$2 setting. Prepaid. Satisfaction guaranteed. Charles Bowlin, Olivet, Kan.

PURE BRED SINGLE COMB BROWN Leghorn eggs, \$5 per 100. Extra good layers. Free range. Mrs. Nell Wilcoxon, Route 1, Ford, Kan.

PURE BRED ROSE COMB LEGHORNS, Kulp strain. Eggs, \$7 per hundred. Choice Single Combs, \$2 per setting. Mrs. J. B. Wagner, Fowler, Kan.

EGGS, CHICKS, SINGLE COMB WHITE Leghorns. Your name please. "Queen" incubators and brooders for sale. G. R. McClure, McPherson, Kan.

BOOK OF BUFF LEGHORNS, FREE, EGGS, 120, \$10; 45, \$5; 15, \$2. Pen matings, \$10, \$7.50, \$5 per setting. All prepaid. Pearl Haines, Rosalia, Kan.

SINGLE COMB BROWN LEGHORN EGGS for hatching. From range flock, extra high producing strain, \$5 per hundred. Mrs. O. O. Mowrey, Luray, Kan.

SINGLE COMB DARK BROWN LEGHORNS. Eggs for hatching from heavy laying strain, 100, \$8. Always extra eggs. Plainview Poultry Farm, Lebo, Kan.

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PURE BRED R. C. DARK BROWN LEGHORN hatching eggs, \$7 per hundred. Heavy winter layers, all in fertile eggs tested out. Arthur Henkle, LeRoy, Kan.

SINGLE COMB BROWN LEGHORN EGGS, special culled flock, winter layers, fifteen, \$1.50; hundred, \$8. Baby chicks, 18 cents. T. G. Fuhlhage, Rose, Kan. Woodson Co. EGGS—GOLDEN RULE POULTRY FARM. Single Comb White Leghorns. Years of careful breeding. Free range. Quality guaranteed. Dave Baker, Conway Springs, Kan.

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PURE BRED ROSE COMB WHITE AND Brown Leghorns, winter layers. Eggs \$1.25 per 15; \$7, 100; chicks \$16, 100. Satisfaction guaranteed. C. E. Baldrige, Belleville, Kan.

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YESTERLAI D STRAIN SINGLE COMB White Leghorn, mated with Ferris 250-egg trapnested stock, \$8 per 100. Extra with each 100 order, securely packed. Prepaid. Mrs. L. B. Takemire, Silver Lake, Kansas.

LEGHORNS

IMPORTED ENGLISH S. C. WHITE LEGHORNS, averaged 288 eggs each per year. Eggs, chicks. George Patterson, Melvern, Kan.

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SINGLE COMB BLACK MINORCA EGGS \$1.50 per 15; \$4 per 50; \$7 per 100, prepaid. E. S. Alexander, Axtell, Kan.

ORPINGTONS

BUFF ORPINGTON EGGS, 100, \$5. Mrs. John Hime, Manchester, Okla.

S. C. PURE BUFF ORPINGTON EGGS, golden nuggets. 15, \$1.25; 100, \$6.50. Mrs. S. Hutcheson, Oakhill, Kan.

BUFF ORPINGTON EGGS, PEN, \$1.50 PER 15. Range, \$1 per 15; \$6 per 100. Mrs. John Skinner, Fairview, Kan.

BARRED PLYMOUTH ROCK EGGS FROM Kansas City winners. Utility, \$8 per 100. Mrs. John Sloan, Peck, Kan.

BUFF ORPINGTON EGGS, \$1, 15; \$5, 100; baby chicks, 18c, prepaid. Ralph Chapman, Winfield, Kans., Route 4.

SINGLE COMB BUFF ORPINGTONS, EGGS, \$2 setting, \$8 hundred. Laying strain. Charles Brown, Parkerville, Kan.

BUFF ORPINGTON EGGS FROM PRIZE winning stock. Orders booked now. Wm. Jamison, 127 N. Poplar, Wichita, Kan.

WHITE ORPINGTON EGGS, KELLER-STRASS 330 matings, \$7.50 per 100. Choice eggs. Thelma Zook, Columbus, Kan.

PURE BRED SINGLE COMB BUFF ORPINGTON EGGS for hatching, \$2 per 15; \$12 per 100. W. H. Fuiks, Turon, Kan.

BUFF ORPINGTON EGGS FROM WINTER laying strain, 15 for \$1.50 or \$8 per hundred. Mrs. Ola Kaupp, Dennis, Kan.

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PURE BRED S. C. BUFF ORPINGTON EGGS, good laying strain and large boned, \$1.50 per 15; \$7 per 100. Mrs. Charles Hill, Trousdale, Kan.

BUFF ORPINGTON EGGS FOR HATCHING, \$2 per 15; \$10 per 100. Farm flock, none better in Kansas. J. M. Clevenger, Route 7, Lawrence, Kan.

OVERLOOK POULTRY FARM HAS THREE high class mated pens, also range flock. Mating list free. Cockerels and pullets, prices right. Charles Luengene, Box 149, Topeka, Kan.

SLEDD'S GOLDEN BUFF ORPINGTONS, winners at Kansas State and Arkansas Valley Shows. Eggs from special matings, \$5, 15; range, \$2.50, 15. Earl Sledd, Lyons, Kan.

WHITE ORPINGTONS, THE GREAT ALL-around breed. Stock and eggs from Blue ribbon winners. Goodrich and Harper, 712 Topeka Avenue, Topeka, Kan.

SINGLE COMB BUFF ORPINGTON COCKERELS, large boned, good even buff, true Orpington type. All choice birds, \$3, \$5 and \$7.50. Satisfaction guaranteed. Mrs. Perry Higley, Cummings, Kan.

S. C. B. ORPINGTON EGGS FOR HATCHING. Cockerels in use purchased direct from Owen's Farms, Golden Belt Specials. Prices, 15 for \$2.25; 30 for \$3.50; 50 for \$4.50; 100 for \$8. All range birds. Average weight cockerels 11 lbs. Dandy winter layers. 75% fertility guaranteed if reported after 10th day test. Get your orders in early as I am always rushed. J. B. Sheridan, Carneiro, Kan.

PIGEONS

OLD STRONG FLYING PIGEONS WANTED. 15c each delivered April 5th. Coops loaned free. The Copes, Topeka, Kan.

PLYMOUTH ROCKS

PARTRIDGE PLYMOUTH ROCK SETTING eggs, \$2 setting of 15. Fine stock, H. E. Douglass, Burlington, Kan.

PLYMOUTH ROCKS

BUFF ROCK EGGS, WILLIAM A. HESS, Humboldt, Kan.

WHITE ROCK EGGS, \$1.50, PREPAID. R. W. Cone, Rozel, Kan.

WHITE ROCK EGGS, \$6 PER 100, NORA Lamaster, Hallowell, Kansas.

WHITE ROCK EGGS—FISHEL STRAIN, \$8 per 100. C. A. Whitton, Kiowa, Kan.

PURE BUFF ROCK EGGS, \$1.50, 15; \$8, 100. Della Wood, Milan, Kan.

FISHEL STRAIN WHITE ROCK EGGS. H. C. Hays, Manhattan, Kans.

CHOICE WHITE ROCK EGGS, \$2, 15; \$10, 100. Mrs. Shaffer Elmont, Kan.

BUFF ROCK EGGS \$3.50 PER 50; \$6 PER 100. Nettie Holmes, Prescott, Kan.

THOROBRED BARRED ROCK EGGS, 15, \$1.50. Mrs. Thissen, Kingman, Kan.

BARRED ROCK COCKERELS, PULLETS, eggs. H. F. Hicks, Cambridge, Kan.

FINEST BARRED ROCK EGGS, SETTING \$5. McKinley & Sturgeon, Stigler, Okla.

BARRED ROCK EGGS \$1.75, 15; \$7, 100, delivered. W. Williams, Carlton, Kans.

BUFF ROCKS, PRIZE STRAIN, SETTING \$1.50. Mrs. Robert Hall, Neodesha, Kan.

WHITE ROCKS, HEAVY LAYERS, \$2 setting. C. E. Gresser, Rossville, Kansas.

PURE BRED WHITE ROCK COCKERELS, \$2.75, \$3. W. T. Holligan, Emmett, Kans.

BARRED ROCK EGGS, \$1.50 SETTING. Mrs. Fred Smith, Route 6, Emporia, Kans.

WHITE ROCK EGGS, 100, \$6.50, CHICKS, 18c. Mrs. John Hoornbeek, Winfield, Kan.

WHITE PLYMOUTH ROCKS, EGGS \$10 hundred. Peter Desmarreau, Damar, Kansas.

WHITE ROCK EGGS, UTILITY, \$7, 100. Pen, \$3 setting. W. H. Beaver, St. John, Kan.

CHOICE BARRED ROCKS, SEND FOR mating list. E. L. Stewart, Route 7, Wichita, Kan.

FISHEL WHITE ROCKS (DIRECT) PER setting, \$2 and \$3. Mrs. Will Coyle, Sterling, Kan.

PURE RINGLET BARRED ROCK COCKERELS, \$5, Eggs, \$2 for 15. Ed Edwards, Lyons, Kan.

WHITE ROCK EGGS, \$4, FIFTY PREPAID. Photo free. Mrs. John Ramsey, Fort Scott, Kan.

PURE BARRED ROCK EGGS, \$2, 15, PARCEL post prepaid. David Council, 1151 Duane, Topeka.

WHITE ROCK EGGS FOR SETTING \$2-15; \$10 per 100. Mrs. J. R. Bowman, Chase, Kansas.

PURE BRED BARRED ROCK EGGS, \$1.50 setting, \$6.50 per hundred. Mrs. H. G. Halliway, Fowler, Kan.

FINE PURE BRED FISHEL WHITE ROCK EGGS, good layers, \$8, 100; \$2, 15; H. C. Loewen, Peabody, Kan.

PARTRIDGE PLYMOUTH ROCK EGGS, blue ribbon winners, \$2 and \$2.50 per 15. J. B. Ratzlaff, Burrton, Kan.

BUFF ROCK EGGS, READY NOW, FROM my best layers and prize winning strain. William A. Hess, Humboldt, Kan.

RINGLET BARRED ROCKS, EGGS FOR setting, \$1.50, 15; \$7, 100, prepaid. E. M. Wayne, Burlington, Kan.

BARRED ROCKS—BIG, DARK, NARROW, snappy, exhibition quality, \$4 for 15. W. H. Wright, Wakeeney, Kan.

PURE BRED WHITE ROCK EGGS FROM bred-to-lay strain, 100, \$8; 15, \$1.50. Mrs. Etta Hayman, Formoso, Kan.

PUREBRED BARRED ROCKS, \$1.50 SETTING; \$7-100. Baby chicks 20 cents. Lizzie Pierson, Plainville, Kansas.

RINGLET BARRED ROCK EGGS, 15, \$2; 100, \$7, prepaid. Fine winter layers. Mrs. Alex Sheridan, Kanopolis, Kan.

BARRED ROCKS—PENS, PARK'S STRAIN, \$2 per 15; \$10, 100; range \$7.50, 100. Mrs. Lillian Marshall, Raymond, Kan.

PURE BRED BARRED ROCKS FOR 12 years. Eggs, \$1.35 per 15. Parcel post paid. William Love, Partridge, Kan.

BARRED ROCK EGGS, \$2 TO \$5 PER 15; \$8 per 100; both matings. Circular free. Mrs. Sylvan Miller, Humboldt, Kans.

BUFF ROCK EGGS, PRIZE WINNING stock, 100, \$7; 50, \$4. Pens, \$5 setting. Maggie E. Stevens, Humboldt, Kan.

BARRED ROCK COCKERELS FROM FINE cockerels from Manhattan Poultry School, \$3. Norman Gross, Russell, Kan.

EGGS—BARRED ROCKS, FINE PURE bred farm flock, 100, \$6; 15, \$1.50; prepaid. Mrs. D. A. Rodgers, Concordia, Kan.

PURE WHITE ROCKS, SELECTED, FARM raised flock. Eggs for setting, \$1.25 per 15; \$7 per 100. H. E. Stucky, Moundridge, Kansas.

YOU WANT BARRED ROCK EGGS FROM stock that has won in government laying contests. Write Farnsworth, 224 Tyler, Topeka, Kan.

WHITE ROCKS, 26 YEARS EXCLUSIVELY. Guaranteed eggs. Trap nested, exhibition strain. Catalog free. Thomas Owen, R. 7, Topeka, Kan.

WHITE ROCK EGGS FROM TRAPNESTED hens, mated to cockerels from 200 egg hens, \$3 per 15. Chas. W. Evans, Washington, Kan.

BARRED ROCK EGGS, LARGE VIGOROUS egg laying strain. Mated with champion cockerels. \$2.50, 15; \$8, 100; \$15, 200. Also few exhibition pens. P. M. McCosh, Randolph, Kansas.

WHITE ROCK EGGS, GUARANTEED pure; \$2 per 15; \$5, 50; \$8, 100. Few cockerels left, \$4 each; three for \$10. F. D. Webb, Sterling, Kan.

PLYMOUTH ROCKS

LUNCEFORD'S SINGLE COMB QUALITY Reds, cockerels \$5 each. Eggs \$1.50 per 15; \$7 per 100. Sadie Lunceford, Mapleton, Kan.

WEIGHER-LAYER BARRED ROCKS. Utility \$8, 100; pen \$5. \$7.50 setting, cockerels, \$5 and up. C. F. Fickel, Earleton, Kan.

EGGS FROM SNAPP BARRED, YELLOW-legged, egg producing Rocks, show winning strain; 15, \$3; 50, \$9; 100, \$16. Mrs. Marta Shearer, Frankfort, Kan.

BARRED ROCKS, 80 PREMIUMS KANSAS City, Denver, Topeka, Salina, Manhattan, Clay Center. Eggs 15, \$7.50; 30, \$14. Mattie A. Gillespie, Clay Center, Kan.

PRIZE WINNING "RINGLET" BARRED Rocks. Eggs mated pens, 15, \$5. Utility, 15, \$1.50; 50, \$4; 100, \$7. Day old chicks, 20c each. Mrs. C. N. Bailey, Lyndon, Kans.

COOK'S BARRED ROCKS, EGGS FROM one of the greatest winning and laying strains. \$1.50 per 15; \$4 per 50; \$7 per 100. Send for circular. Chas. J. Cook, Marysville, Kan.

BARRED ROCKS, BRED TO LAY, STOCK from noted laying strains. From range flock, \$2 15 eggs; \$3.50 30; \$8 100. Write for special matings. E. M. McArthur, Walton, Kan.

PARK'S 200 EGG STRAIN BARRED Rocks. Utility eggs for hatching, \$2, 15; \$3.75, 30; \$8, 100. Pedigreed, \$2.50, 15; \$4.50, 30; \$10, 100, prepaid. R. B. Snell, Colby, Kan.

THOMPSON'S RINGLET BARRED ROCKS. Heavy winter layers. "Pen quality" eggs, 15, \$2; 30, \$3.75; 50, \$5.50; 100, \$10. Safe arrival guaranteed. Jno. T. Johnson, Mound City, Kan.

GINGLET BARRED ROCKS, HIGH GRADE Thompson hens headed by pure E. B. Thompson males. Eggs, \$7 per 100; \$4 for 50. Baby chicks, 20 cents each. Emma Mueller, Route 2, Box 15, Humboldt, Kan.

ROYAL BLUE AND IMPERIAL RINGLET Barred Plymouth Rocks. Trap nest record 208 to 268 eggs per year. \$5 per 15. Baby chicks 50 cents each. A. L. Hook, North Willow Poultry Ranch, Coffeyville, Kansas.

WHITE ROCKS—WON AT RECENT Arkansas Valley Show—grand champion cock, hen and cockerel; 100 cup for best cock in the American class; \$75 cup for best hen; \$40 cup for best display; gold special for best white cockerel. Eggs from four grand pens that contain all my Arkansas Valley show and State fair winners at \$3, \$5, \$7.50, and \$10 per 15, or from my fine farm flock at \$8 per 100. Minnie Clark, Haven, Kansas.

RHODE ISLAND REDS

DARK ROSE COMB RED EGGS 100, \$10; 15, \$2. Walter Alspaw, Wilsey, Kan.

QUALITY ROSE COMB REDS, MATING list free. John Padon, Burrton, Kan.

ROSE COMB RED EGGS, 15, \$1.50; \$8 per 100. A. R. Hoffman, Haddam, Kansas.

ROSE COMB RED COCKERELS, \$3 TO \$4 each. Downie McGuire, Paradise, Kan.

EGGS FROM PURE ROSE COMB REDS \$6 hundred. Mary Shields, Barnes, Kan.

ROSE COMB RED EGGS, 15, \$1.50; \$8 hundred. Mrs. Samuel Sheets, Madison, Kan.

VERY DARK S. C. REDS, EGGS, 15, \$1.25; 105, \$7. Freda Peckenpaugh, Lake City, Kan.

THOROBRED ROSE COMB RED EGGS, 100, \$10; 15, \$2. Mrs. Monie Wittsell, Erie, Kan.

SINGLE COMB RED EGGS FIFTEEN, \$2; hundred, \$10. Mrs. Roger Sullivan, Effingham, Kan.

EGGS, R. C. RHODE ISLAND REDS, \$2, 15; \$8, 100. Chas. D. Williams, Silver Lake, Kan.

PURE BRED S. C. REDS, EGGS, 15, \$1.50; 100, \$7; prepaid. Mrs. Flora Gregg, Yates Center, Kan.

THOROUGHbred R. C. RED EGGS, \$1.50 per 15; \$7, 100. Downie McGuire, Paradise, Kan.

R. C. RED EGGS, RANGE, 15, \$1.25; 100, \$7. Pen 15, \$2. Clara Volgt, Mullinville, Kansas.

DARK SINGLE COMB REDS, EGGS, HUNDRED, \$6; setting, \$1. Catherine Meyer, Garnett, Kan.

HOGANIZED SINGLE COMB REDS, EGGS \$6 per 50; \$3, 15; \$8, 100. A. E. Trapp, Wetmore, Kan.

EGGS FROM LARGE BONED, DARK, Single Comb Reds, 100, \$7. Lelah Works, Humboldt, Kan.

CHICKENS FROM OUR R. C. RED EGGS will please you; \$1.50 for 15. C. A. Godding, Burns, Kan.

PURE BRED DARK R. C. REDS, EGGS 15, \$2.00, 100, \$8, prepaid. Mrs. Elva Acheson, Falco, Kansas.

ROSE COMB REDS, PRIZE WINNERS. Chicks, \$18 100. Eggs, yard-range. Elmwood Farm, Wilsey, Kan.

LUNCEFORD'S SINGLE COMB QUALITY Reds. Eggs, \$1.50 15; \$7 100. Sadie Lunceford, Mapleton, Kan.

EGGS—THOROUGHbred SINGLE COMB Rhode Island Reds, \$3 and \$5 per setting. V. B. Newell, Stafford, Kan.

LARGE DARK RED SINGLE COMB, EGGS, bred layers. 15, \$1.50; 100, \$7. Mrs. Frank Smith, Lawrence, Kan.

ROSE COMB RHODE ISLAND RED EGGS for hatching, \$2 for 15; \$6 for 50; \$10 100. Florence Broadbent, Corning, Kan.

PURE BRED ROSE COMB REDS—COCKERELS, \$3. Eggs, 50, \$4. Chicks, 20c each. Mrs. Frank Murphy, Mankato, Kan.

THOROUGHbred R. C. I. REDS, BRED for size, color, and laying. Setting, \$2, \$7 hundred. Edna Schafer, Leon, Kan.

PURE BRED "AMERICAN BEAUTY" ROSE Comb R. I. Red eggs, \$1.50 per 15; \$8 per 100. Mrs. Harry Davis, Hooker, Okla.

FINE S. C. RHODE ISLAND RED EGGS for hatching, \$2 per 15; \$5.50 per 50; \$10 per 100. Mrs. Mattie Grover, Lebo, Kan.

SELECTED RANGE ROSE COMB REDS, Dark, without smut; eggs \$2 setting; \$10 hundred; prepaid. H. Easterly, Winfield, Kan.

"BEAN" PURE, DARK, ROSE COMB Reds. Eggs, \$7, 100; \$3.50, 50; \$1.50, 15, prepaid. Mrs. Lillie Wayne, Burlington, Kan.

DARK, VELVETY, ROSE COMB REDS, winter layers. Egg breeding a specialty. Baby chicks, 20 cents, prepaid. Eggs, \$2 per 15. Mrs. Julius S. Olsson, Star Route, Eldorado, Kan.

RHODE ISLAND REDS

PURE BRED ROSE COMB RED EGGS, pen headed by cockerels from 281 egg strain, 15, \$3; 100, \$15. Mrs. Maude Smith, Alden, Kan.

PURE BRED ROSE COMB RHODE ISLAND Red eggs from winter laying strain. \$3 per 100; \$4.50 per 50. Mrs. Bert Huggins, Delavon, Kan.

S. C. REDS, MAHOOD STRAIN. FOUR grand pens, exhibition quality. Excellent range, Hogan tested. Mrs. E. S. Monroe, Ottawa, Kan.

EVEN DARK RED ROSE COMB RHODE Island Reds. Eggs 15, \$1.50; 100, \$8; chicks 22 cents each; 100, \$20. Walter Baird, Deerhead, Kan.

SINGLE COMB RED COCKERELS, PRIZE winning, heavy laying strain, also hatching eggs. Circulars free. W. P. Strole, Box H, Rosedale, Kan.

WINNERS AGAIN, SILVER TROPHY AT Hutchinson for best Rose Comb Red pen, 15 eggs, \$2; 100, \$10. Mrs. Chancey Simmons, Erie, Kan.

LARGE, DARK, RED, HEAVY BONED good scoring Rose Comb Reds. Guaranteed good laying strain. Highland Farm, Hedrick, Iowa.

GET YOUR SINGLE COMB RED LAYERS and winners from J. A. Bockenstette, Fairview, Kan. Eggs, \$7 per 100; pen \$3. Order mating list.

SETTING \$2; 100, \$7; DARK ROSE COMB Red. Well developed breeders, strong blood lines, graded for egg capacity. Charles Sigle, Lucas, Kans.

MEIER'S SINGLE COMB REDS, FIRST prize winners at World's Fair, Chicago, and Kansas City. 50 eggs, \$5; 100, \$10. H. A. Meier, Abilene, Kan.

PURE BRED SINGLE COMBS, DARK Reds; winter laying strain, fertile eggs, 15 postpaid, \$1.50; 100, \$7. Chicks, 17c. Carrie Cooper, Lawrence, Kan., Route 2.

S. C. RHODE ISLAND REDS, EGGS FROM selected breeders, best blood lines, \$7 hundred. One fine cockerel and a few utility pullets for sale. H. T. Ferguson, Severy, Kan.

RHODE ISLAND REDS THAT ARE RED. We have tested nine years for egg laying qualities. Eggs, \$2 15; \$3.50 30; \$10 100. 1 1/2 miles west of Navarre. Henry Lenhart, Hope, Kan.

SINGLE COMBED COCKERELS, VIGOROUS, farm ranged, big boned, standard weight, early hatched from winter layers. Winners at big Free fair. \$3.50 to \$10 each. Longview Farm, Route 7, Topeka, Kan.

ROSE COMB RHODE ISLAND RED EGGS for hatching, from high-class bred-to-lay farm range flock. Setting 15, \$1.50; 50, \$4.50; hundred, \$8. Infertiles replaced free. Safe arrival guaranteed. A. J. Turinsky, Barnes, Kans.

HARRISON'S FAMOUS "EXHIBITION egg strain," Single and Rose Comb Reds. Show winning, non-sitting, developed layers. Red breeding bulletins and mating lists on request. Robert Harrison, "The Redman," Station C, Lincoln, Neb.

RHODE ISLAND WHITES

ROSE COMB RHODE ISLAND WHITES, excellent layers, prize stock, 15, \$1.50; 100, \$8. Prize stock. Laura Angstead, White City, Kan.

WYANDOTTES

WHITE WYANDOTTE EGGS, \$6 PER 100. Lois Hills, Meriden, Kan.

WHITE WYANDOTTES—PEN EGGS ONLY. Gnette & Gnette, Florence, Kan.

WHITE WYANDOTTE EGGS, \$7 PER 100. Mrs. W. T. Jacobs, Osawatomie, Kansas.

SILVER LACED WYANDOTTES, EGGS, 15, \$1.50. Mrs. E. Goeckeler, Broughton, Kan.

COLUMBIAN WYANDOTTE EGGS \$2 PER 15, postpaid. Orvel Sharits, Newton, Kan.

PURE WHITE WYANDOTTE EGGS, \$8 per 100. James Christiansen, Canton, Kan.

SILVER LACED AND BUFF WYANDOTTE eggs, \$3 per 15. W. I. Lowrey, Stafford, Kan.

WHITE SILVER WYANDOTTES, KELLER. Eggs \$2, 16. J. J. Quiring, Hillsboro, Kansas.

ROSE COMB WHITE WYANDOTTE EGGS from good laying strain, \$1.50 15; \$8, 100. A. E. Meier, Haven, Kan.

"BEAUTIFUL" SILVER WYANDOTTES. Eggs, 15, \$3; 100, \$10. Mrs. Edwin Shuff, Plevna, Kan.

PARTRIDGE BUFF WYANDOTTE BABY chicks and hatching eggs. Jennie Smith, Beloit, Kan.

WHITE WYANDOTTE EGGS FOR HATCHING, \$2 per 15; \$9 per 100. M. C. Moye, Natoma, Kan.

CHOICE SILVER LACED WYANDOTTE eggs, 15, \$2.50; 100, \$10. Etta Shannon, Lewis, Kansas.

EGGS PRIZE WINNING WHITE WYANDOTTES, \$2 15; \$8, 100. Frank Mayer, Marysville, Kan.

WHITE WYANDOTTE EGGS, \$7, 100; \$1.50, 15. Mrs. Bert Ireland, Smith Center, Kan., Route 4.

PURE WHITE WYANDOTTE EGGS, GOOD strains, 100, \$6; 50, \$3.50. Herman Dieckling, Bremen, Kansas.

PURE WHITE WYANDOTTE ROSE COMB eggs \$7 per 100; \$2 per 15. Mrs. Epps Ramey, Kimball, Kan.

WHITE WYANDOTTE EGGS, 100, \$8. Stock direct from Keeler's best. H. O. Collins, Fontana, Kan.

LAYING STRAIN WHITE WYANDOTTES. Eggs 15, \$1.50; 100, \$7. Mrs. Orville Jackson, New Albany, Kan.

WHITE WYANDOTTE EGGS FOR HATCHING, \$3 per 15 or \$8 per 100. Mrs. S. J. DeBusk, Circleville, Kan.

WHITE WYANDOTTES, WINTER LAYERS, 15 eggs, \$2; 100, \$7.50. Mrs. W. R. Stiner, Lawrence, Kansas.

FISHEL STRAIN WHITE WYANDOTTE eggs, \$1.50 setting; \$7-100. Mrs. Ray Griffiths, Bancroft, Kansas.

WHITE WYANDOTTE EGGS, STRONG laying strain, \$2 15; \$9 100; prepaid. Dwight Osborne, Delphos, Kan.

LAYING STRAIN WHITE WYANDOTTE cockerels, \$3.50, \$5 and \$7. Eggs, \$2 15; \$8 100. Ira Rose, Liberal, Kan.

QUALITY ROSE COMB WHITE WYANDOTTES, Martin-Keeler strains direct. Noted winter layers. 15 eggs, \$2; 30, \$3.50; 50, \$5; 100, \$9. Satisfaction and delivery guaranteed. Garland Johnson, Mound City, Kan.

WYANDOTTES.

ROSE COMB SILVER LACED WYANDOTTES, laying strain. Eggs, \$3, 15; \$10, 100. Henry Oliver, Danville, Kan. PURE BRED WHITE WYANDOTTE EGGS, \$1.50 15. Baby chicks, \$6 25, prepaid. Mrs. W. A. Stagner, Plainville, Kan. WHITE WYANDOTTE EGGS FOR HATCHING, From record layers. Catalog free. Mrs. A. J. Higgins, Effingham, Kan. EGGS FROM PRIZE WINNING WHITE Wyandottes, \$3 per 15. Fine layers. Order now. Frank Henderson, Solomon, Kan. SILVER LACED WYANDOTTES, EGGS, \$1.50 per 15; \$8 per 100. Mrs. W. S. Hefelfinger, Effingham, Kan. PURE ROSE COMB WHITE WYANDOTTE eggs, Winter layers, \$2, 15; \$4.50, 50; \$8, 100. Mrs. Taylor Anthony, Langdon, Kan. PURE WHITE WYANDOTTE EGGS, Selected good laying strain, 15, \$1.50; 50, \$3.50; 100, \$6. Mrs. Ora Davis, Norwich, Kan. SILVER WYANDOTTES, ENTHUSIAST ten years. Choice pens, Eggs, \$3 and \$4. Few cockerels, \$3. Ralph Sanders, Osage City, Kan. WHITE WYANDOTTES, LEAVENWORTH, Missouri state and Kansas state show winners. Selected eggs, \$4 per 15; \$20 per 100. Postpaid, L. A. Moore, Hiawatha, Kan. CHOICE ROSE COMB SILVER LACED Wyandotte eggs from my flock of carefully selected beauties, 30 for \$3.25; 50 for \$5. Mrs. Ethel Woolfolk, Protection, Kan. PREMIUM PARTRIDGE WYANDOTTES, State show and Madison Square Garden winners. Eggs, \$5. Four pens. Satisfaction guaranteed. F. R. Beery, Concordia, Kan. WHITE WYANDOTTES, BARRON'S ENGLISH and Stevens' American, world's greatest laying strain, 100 eggs, \$10 prepaid, 15, \$2. Guaranteed 60 per cent hatch. H. A. Dressler, Lebo, Kansas. ROSE COMB WHITE WYANDOTTE HENS, \$2.50. World's greatest winter egg producers. Eggs from winter laying stock, setting, \$2; \$4.50 from 50; \$8 per 100. Free range. Satisfaction guaranteed. O. R. Eby, New Albany, Kansas.

TURKEYS.

BOURBON RED TURKEYS, TRIOS A Specialty. L. E. Thompson, Wellington, Kan. PURE BRED MAMMOTH BRONZE TURKEY EGGS, 75c each, \$8 dozen. Emma Dirks, Latham, Kan. EXTRA THOROBRED MAMMOTH BRONZE turkeys, Eggs from 25 lb. hens, tom, 50; \$1.35 each. Maggie Burch, Oyer, Mo. WHITE HOLLAND TOMS, \$10 EACH. First check gets them. Ad will not appear again. Mrs. Henry Binard, Burlington, Colo. GENUINE "GOLDBANK" MAMMOTH Bronze Elegant eighteen months old toms, \$15. Best to mate young hens. Harper Lake Poultry Farm, Jamestown, Kan. TURKEY EGGS FROM MY FAMOUS strain of Bourbon Red. All 2-year-old hens mated to a selected 30-lb. young tom, pure white tail and wing, \$6 setting. Ideal Turkey Farm, Concordia, Kan. THOROBRED MAMMOTH BRONZE TURKEYS, World's fair champion strain. Will score 94 to 96 1/2. Toms weigh 25 to 30 pounds, \$15 to \$30. Pullets, 16 to 18 pounds, \$12.50 to \$18. Louise Hallock, Mullinville, Kan.

SEVERAL VARIETIES.

COLUMBIAN WYANDOTTE EGGS, FANCY pigeons. J. J. Paula, Hillsboro, Kan. 1919 COCKERELS, 49 VARIETIES, FREE book. Aye Bros., Blair, Neb., Box 5. LIGHT BRAHMA, BUFF ORPINGTON, Barred Rock cockerels, Toulouse geese. Emma Ahlstedt, Lindsborg, Kan. PRIZE WINNING WHITE WYANDOTTES and Toulouse geese, stock and eggs. Send for interesting pamphlets and prices. Chas. Newman, Lebo, Kan. Mention this paper.

POULTRY WANTED.

SHIPPING EGGS AND POULTRY DIRECT means more money for you. Coops and cases loaned free. The Copes, Topeka. PREMIUM POULTRY PRODUCTS COMPANY, 210 North Kansas Avenue, Topeka, pays well for good market quality. We deal direct with producers and furnish coops for shipping. Write for prices, to John L. Prehn, manager. Formerly poultry specialist in Kansas. Agency for Buckeye incubators, Buckeye metal brooders and Buckeye standard brooders.

POULTRY SUPPLIES.

THE BEST MILK AND BUTTER PRODUCTION in the world, La-Mo-Pep. Write for particulars. Box 122, Kansas City, Mo. DON'T LOSE YOUR POULTRY PROFITS when a dollar bill will save them all for you. Satisfaction, or money refunded. Rose Hill Poultry Farm, Hudson, Kansas.

Winning With Shorthorn Heifers

(Continued from Page 3.)

contentment. This was the home of another club member, Wilma Pittman. Not knowing we were coming, Wilma had just gone to Manhattan with some neighbors, who had come by in their car. We inspected her heifer, however, and found it fully up to the standard of the others we had seen.

The last club member visited was Blythe Morris, who with his widowed mother is handling a little farm on the banks of the Kaw River a mile south of Manhattan. Blythe had drawn one of the youngest of the calves, a beautiful roan, and one could look into the future and see her developing into a real foundation cow. This calf had not been trained to lead as yet. Mr. Cochel gave Blythe some suggestions on how to go about training her, explaining that the sale was to be held

May 24, and that the heifer should be handled and led enough to make a proper showing at that time.

Cash prizes will be awarded to the club members on the day of the sale as a reward for the work they have done. John Tomson, president of the American Shorthorn Breeders' association, Mr. Cochel, field representative, and the Manhattan Chamber of Commerce have contributed to this prize fund, which amounts to about \$240.

Basis of Awards

The awards will be made on three points. The heifers will first be judged strictly on their merits, just as they would be placed at a fair or show. Next, every boy or girl will be ranked in accordance with the gains made on the calves, the one having made the largest gain ranking first, and so on down. The third ranking will be on the basis of the improvement club members have made in their calves. A record was kept of the placing on the day of the distribution. This will be compared with the official placing on sale day, May 24, and the boy or girl having raised the rank of his or her calf the most will be given first place, and so on.

The final standing of every club member will be determined by adding the order of rank in the three methods of placing. The one having the smallest number will be the one standing first, and so on to the last. For example, a boy might have had a calf standing fourth in the original ranking, but had made next to the largest gains in weight, and had his calf placed first, raising it four places, or more than any other member had done. His final standing would be obtained by adding 4, his original placing, 2, his standing on gains made and 1, his standing in raising the rank of the calf judged on its merits, or a total of 7, which if less than the sum of the rankings of any other member would place him first.

Clubs Have Good Effect

Only about half the club members were visited on this trip, but what we saw and heard convinced us that this club will be the means of materially

advancing the cause of purebred livestock in this community. Mr. Cochel, who has kept in fairly close touch with the club members, now expects that 16 or 18 of the 24 heifers will be retained by the present owners. Of course any boy or girl is privileged to let his heifer go in the sale and pocket the profit. In view of the fact that Shorthorn breeders consider such heifers to be worth \$200 at least and are willing to pay that much for them on a strictly business basis, there will be plenty of temptation for club members to let their calves go. If two-thirds of the members of this club hold their heifers, either paying the notes in cash, or arranging for an extension of credit, it will demonstrate the constructive value of such a club in livestock improvement and character building.

Get the Brooder Ready Now

(Continued from Page 37.)

behavior of the chicks. An abundance of heat is necessary. At first the thermometer should register at least 100 degrees and the bulb of the thermometer should be at the height of the chick's back, not several inches above. After the chicks have been placed in the brooder one should be governed entirely by the actions of the chicks. If the temperature is too low the chicks will be dissatisfied, will peep, complain and huddle up. More heat should be provided. The brooder should be run at such a temperature that the chicks scatter out around the edge of the canopy or outside and do not pile up in bunches.

A few hours after the hatch is completed the chicks can be transferred to the brooder. During cool weather baskets lined with cloth sacks should be used. It is well to warm the sacks so as to avoid any danger of chilling.

When the basket is filled the chicks should be covered with cloth so as to avoid chilling on the way to the brooder. In handling the chicks one must remember that they are delicate individuals and that their body contains an unabsorbed yolk sac which is easily broken.

BIG 3 1/2 Ft. TELESCOPE GIVEN!

This is a real telescope and not a worthless toy. It is made by one of the largest manufacturers in Europe. Equipped with solar eye piece.



When closed, as shown in picture, the telescope is 11 inches long and has a circumference of 5 3/4 inches. When all four sections are pulled out the full length is 3 1/2 feet. It is built of the best materials, brass bound throughout.

POWERFUL LENSES 5 TO 10 MILES RANGE.

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

Our Offer! We will send one of these big telescopes free and prepaid to all who send \$1.50 to pay for one three-year subscription or three one-year subscriptions to The Corn Belt Farmer and 25c extra for postage (\$1.75 in all). Sample copy free on request. The telescope is guaranteed to please you in every way or your money will be promptly refunded. Order at once. Have only been able to secure a limited supply of these for distribution. Write Box 1513L.

CORN BELT FARMER, Des Moines, Ia.

LUMBER

MILLWORK and general building material at 25% OR MORE SAVING to you. Don't even consider buying until you have sent us complete list of what you need and have our estimate by return mail. We ship quick and pay the freight. FARMERS LUMBER CO. 2416 BOYD STREET OMAHA, NEBR.

Panama Canal Book 10c

A story of the building of this great canal; 86 pages; profusely illustrated; will be sent postpaid for 10 cents, stamps or silver. Novelty House, Dept. 2, Topeka, Kan.

Seven Fine Shetland Ponies FREE

Only One Pony Given to a Family



Q - E - N

Clam Falls, Wis. Jan. 2, 1920.

Dear Uncle Joe, I have not written to you because I wanted to get a picture to send of my pony. She is so nice and gentle. I wish you would please print a letter from me and the picture so that everyone can see that I got a pony. I want to thank you ever so much. Kathleen Mow.

Real Live Ponies

Can you fill in the missing letters under one of the ponies and complete the pony's name? You can do this if you try. Just write Uncle Joe and tell him the name of one of the ponies, and he will tell you how you can get a beautiful Shetland pony with bridle and saddle, all trained to ride and drive.

You will be the proudest one in your neighborhood when you get a real live Shetland pony, and you can get one if you will. Uncle Joe has a pony for you, so be sure to write and tell him the pony's name. Send 2c in stamps, and he will send you a copy of our popular magazine. Write and send coupon today so Uncle Joe can tell you all about the ponies, and how to get one FREE.

UNCLE JOE, The Pony Man Des Moines, Iowa

We have given away 60 ponies to boys and girls. If you want a pony write Uncle Joe today



B - B

We give a bridle and saddle with each pony, and pay all carrying charges so as not to cost you one penny.

Send Coupon Today



BL - C - B - A - T -

New Phila, Ohio. Jan. 8, 1920.

Dear Uncle Joe: The pony arrived this P. M. and I truly want to extend my thanks to you. I surely can recommend you as being a man of your word. Russell Smith.

Uncle Joe, The Pony Man, A-344, Popular Bldg., Des Moines, Iowa.

Dear Uncle Joe:—The name of the pony I want is..... Please tell me how I can get a Shetland pony without one penny's cost.

Name.....

P.O..... State.....

St. and No..... R. F. D. No.....

Real Estate Market Place

Real estate advertisements on this page (in the small type, set solid and classified by states) cost 65 cents per line per issue. Send check, money order or draft with your advertisement. After studying the other advertisements you can write a good one and figure the cost. About six words make an agate line. Count initials and numbers as words.

There are 7 Capper Publications totaling over a million and a quarter circulation and widely used in this advertising. Ask us about them.

Special Notice All advertising copy must be received at the Real Estate Department office by 10 o'clock Saturday morning, one week in advance of publication.

KANSAS

WESTERN LANDS FOR SALE OR TRADE. J. E. Stohr, Ensign, Kansas.

160 A. IMP., \$65 a. Many alfalfa farms for sale. M. T. Spong, Fredonia, Kan.

WELL IMPROVED 80 all bottom alfalfa land. Parsons & Stewart, Fredonia, Kan.

SOUTHWESTERN KANSAS LAND, \$10 per acre. Claude Chandler, Syracuse, Kansas.

210 ACRES, 2 miles out, fine imp., possession. \$35,000. Bert W. Booth, Valley Falls, Kan.

215 ACRES joins Thayer, well improved. \$21,500. Robbins & Craig, Thayer, Kansas.

240 A. nice level land, good buildings, \$65 acre. W. J. Poire, Westphalia, Kansas.

LAND BARGAINS—Write for my large list. Jess Kisner, Garden City, Kansas.

WHEAT FARMS AND RANCHES. Write McMullen & Greer, Dodge City, Kansas.

BEST FARM BARGAINS for sale in S. E. Kansas by G. W. Meyer, Fredonia, Kan.

160 ACRES, 1 1/2 mi. of town, good imp., \$125 per a. Write C. O. Zimmerman, Milan, Kan.

BARGAINS. Bargains in wheat farms and stock ranches. Write for list. W. E. McAdams, Brewster, Kansas.

FOR SALE—Good farms from \$80 to \$125 per acre. Call on, or address, O. C. Faxson, Meriden, Kansas.

IF YOU WANT to buy, sell or exchange your farm, write W. T. Porter of the Kansas Land Company, Ottawa, Kansas.

EASTERN KANSAS FARMS. Large list Lyon and Coffey counties, for sale by Ed. F. Milner, Hartford, Kan.

WE DON'T OWN THE WORLD, we sell it. Write for farm list and pictures. Kansas Land Company, Ottawa, Kansas.

150 ACRES, good improvements, well watered, 4 1/2 miles town Anderson Co., lays well, good terms, a bargain. Box 54, Colony, Kan.

320 ACRES good level land in Kearney County, Kan., \$13 per acre. Good terms. Clarence Eaton, Garden City, Kan.

WELL IMPROVED FARM in Ellsworth county, 5 miles from town, \$70 per acre. F. D. Sperry, Ellsworth, Kansas.

WRITE FOR LIST of Lane county choice wheat lands, from \$15 to \$35 per acre. W. V. Young, Dighton, Kansas.

TO SETTLE an estate 480 a. for \$26,500, 5 mi. from Norton, 1/2 bottom land. Willars Simmons, Attorney, Norton, Kansas.

FOR SALE—Choice 80 acre farm, improved, Republic Co. For prices and terms write Enderud & Tate Real Est. Co., Scandia, Kan.

200 ACRES, Mitchell Co. Well improved, 80 a. wheat, 1/2 goes. Possession April 1st. F. L. McCutchan, Owner, Simla, Colorado.

SPECIAL BARGAIN—320-acre wheat farm, \$30 per acre. Write for list. E. E. Jeter, Lenora, Kansas.

CARY & HOARD, Real Estate Exchange and Loan Agent. Ranches a specialty. Sold on commission. Phone 19, Anthony, Kansas.

FOR SALE—All kinds of farms in N. E. Kan. Send for printed list. Silas D. Warner, 727 1/2 Commercial St., Atchison, Kan.

WRITE for our free list of eastern Kansas farms and ranches for sale. The Eastern Kansas Land Co., Quenemo, Kan.

HAMILTON AND STANTON county lands, \$8 up. Write me your wants. Tomson, Syracuse, Kansas.

640 A. 340 CULTIVATED, 100 a. meadow, 200 a. pasture. Well improved. \$45 a. Terms. Possession. Other bargains. Chase Agency, Severy, Kansas.

80 ACRES, near town and school, 25 a. wheat goes, 10 acres alfalfa, house, barn, out-bldgs., price \$85 acre. \$2,500 will handle. Possession. P. H. Atchison, Waverly, Kan.

FOR SALE—960-acre ranch, 1 1/2 miles of Medicine Lodge. \$20,000 imps. Write for full description. Price \$75 per acre. Terms if desired. H. Croft, Medicine Lodge, Kan.

IMMEDIATE POSSESSION—71 160-acre farms and others. Well improved. On market until April first. Subject to sale. Come at once. Mansfield Land Company, Ottawa, Kansas.

200 ACRE FARM, 4 miles N. W. Rossville, Shawnee Co., Kan., 6 room house, 2 good barns, 40 a. wheat, 125 a. cult., 75 a. pasture and mow land, 1 1/2 miles oil well drilling. J. W. Watkins, Quenemo, Kan.

FINE FARM, 960 acres Ness county, well improved, well twenty feet, 480 acres wheat, all goes, \$55; immediate possession. Farms anywhere west. O. E. Brown & Co., Dodge City, Kansas.

NESS COUNTY, KANSAS, LANDS Good wheat, alfalfa and ranch lands at bargain prices. Several excellent ranches. Write for price list, county map and literature. FLOYD & FLOYD, Ness City, Kan.

KANSAS

CHOICE FARMING QUARTER, \$2,750, \$675 cash, bal. 1, 2 and 3 years. 8 miles from Satanta, 9 miles from Moscow. Good roads. School on land. Write owners, Griffith & Baughman, Liberal, Kansas.

226 ACRES, 1/2 mile good town, dark loam, 100 a., wheat, 35 a. oats, all goes, will give possession, will sell implements and stock. Bargain at \$100 per a. J. P. Highberger, Westphalia, Kansas.

258 ACRES \$76 PER ACRE. Good smooth land, 160 in cultivation, 70 wheat goes, 20 in alfalfa, good large buildings. Possession at once. T. B. Godsey, Emporia, Kansas.

480 A. HODGEMAN CO. Improved 140 wheat all goes, 300 good pasture, everlasting water, \$40 acre will carry ten thousand and back five years, other bargains. E. W. Moore, Spearville, Kan.

107-ACRE BOTTOM FARM, 1 mile from Catholic church and school, good improvements, never failing water, good town. Price \$110 acre, also other good ones. Jake Brown, Olpe, Kansas.

100 ACRES, 3 1/2 miles Jarbalo. Good high school. Good house, barn, other outbuildings. 1/2 fifty acres wheat. Good soil, a bargain. Price \$125 per acre. Terms if desired. H. E. Cockrell, Jarbalo, Kansas.

THOMAS COUNTY—Banner wheat county of state. Buy your farm from us. One crop pays for the land. Write us your wants. Get our prices. C. E. Trompeter Land Co., Levant, Kansas.

WE HAVE some splendid 40's, 80's, 160's close Ottawa, well improved, good corn, wheat land. Priced worth the money, at your service. Write us. Bridwell-Gilley, Ottawa, Kansas.

550 ACRES 2 miles Lawrence, well improved, 150 acres wheat, 70 meadow, 40 spring crop, 280 bluegrass pasture. Everlasting water. Possession including wheat April 1st. Will sell 100 bred cows, 100 hogs, 20 registered Shorthorns, all farm equipment. Hosford & Arnold, owners, Lawrence, Kan.

240 ACRES, 5 miles from small town, 10 miles from county seat, nearly new house, good barn, 135 acres hog tight, 60 acres wheat, half goes with farm, plenty of water and timber. Price \$100 per acre. Want smaller farm or income. LeRoy Realty Co., LeRoy, Kansas.

FINE 160 ACRE FARM Franklin County, Kansas Good improvements, 1 mile town; 30 acres wheat; 30 acres pasture; all good land. Price \$110 per acre. Casida & Clark, Ottawa, Kansas.

A SNAP FOR SMALL INVESTOR 160 acres good land, Greeley county, Kansas; unimproved. Mortgage \$500, 7%. Equity only \$1,100. Can take Liberty Bonds at face value on this. Write at once. Jas. H. Little, The Land Man, LaCrosse, Kansas.

A REAL INVESTMENT Half section, 3 miles from town, 180 acres ready for spring crop, handy school, dandy road to town, fair improvements. Possession at once. Price \$45 per acre; good terms. Write for free land list. Justin T. Avery, Traer, Decatur Co., Kansas.

FARM FOR SALE 207 acres four and half miles south from Topeka, best land near Topeka. Lots of alfalfa and prairie hay land, also pasture and timber. All kinds of water. \$5,000 cash, balance terms. Write Smith & Hughes, R. 2, Topeka, Kansas.

480 ACRES \$27.50 PER A. 175 acres growing wheat in good condition goes with place. One mile from rural route; one-half mile to M. E. church; underlaid with fine sheet water; all smooth. Terms. D. F. Carter, The Land Man, Leoti, Kansas.

FOR SALE 78 acres, 5 miles Ottawa, fair improvements, 30 acres rough pasture, balance good tillable land. Price \$125 per acre, encumbrance \$5,400 for 6 years at 6%. If you have anything to exchange write J. T. Printy, with the Kansas Land Company, Ottawa, Kansas.

FOR SALE—3 acres of land, all fenced with poultry wire, good seven-room house, chicken houses, and other improvements. Good place to raise chickens or garden truck. Have good well, also city water, electric lights in house and also in poultry house, place is nicely located in this city. Joe Brada, Great Bend, Kansas.

CHOICE DAIRY AND STOCK FARM 240 a., 4 1/2 mi. from good town, near gravelled state road. Good buildings and shade, near school, 60 a. cultivation, 10 a. alfalfa, 40 meadow, bal. good limestone pasture. Wells at buildings, springs in pasture. Owner past 80, must quit farm. \$60 per a. J. B. Wilson, Fredonia, Kan.

NICE LEVEL QUARTER, heavy sandy loam, small set of improvements, 80 a. in cultivation, 80 in grass, 50 a. in rye, half goes with place, 30 a. for spring crops, 20 a. hay made \$300 last season. 3 miles to R. R. town and high school. Price \$50 per acre. Terms on half. Possession now. Welshans & Doyle, Kingman, Kansas.

FORD COUNTY BARGAINS—A splendid section, seven miles from Dodge City, two miles from station, one mile from Santa Fe Trail; 243 acres of very promising wheat on new ground, one-third of which goes to purchaser; all fenced and cross-fenced; all tillable and adapted to all kinds of crops. Land near by produced 25 bushels of wheat per acre in 1919. Will divide if necessary to suit purchaser. Price \$37 per acre. Hiram T. Burr & Co., Dodge City, Kansas.

KANSAS

240 A., 12 MI., south of Lawrence, 2 1/2 mi. from Baldwin on the Santa Fe trail. Near school, 100 a. for plow, 40 a. wheat, 100 a. bluegrass, windmill and plenty of water, 8 rm. house, big barn, good cattle sheds, 150 ton silo. Possession in two weeks. Price \$125. W. S. Clawson, 744 Mass. St., Lawrence, Kan.

80 ACRES Onago Co., Kan., 4 1/2 miles town, 40 acres farm land, 10 acres alfalfa, 10 acres prairie hay meadow, 20 acres bluegrass pasture, 6 room house, barn 36x42 other buildings. Plenty water, close school and church. Price \$7,000; \$1,500 cash, balance 6%. The Eastern Kansas Land Co., Quenemo, Kan.

HURRAY! LISTEN: Do you want this? 200 acres, all bottom land, 135 acres broke, 60 acres in alfalfa, 2 sets of improvements, has 5 oil wells on it that has paid the owner over \$1,500 in the last year in royalty, and intend to drill more at once. Here is a real snap at \$35,000. Have just 20 days time to sell at this price. Meyer & McCabe, Fredonia, Kansas.

200 ACRES north Chautauqua Co., Kan., 70 acres farm land, 40 acres fine meadow, balance good pasture, 5 room house, barn 32x34, good black loam soil, leased for oil and gas, pays owner \$200 per annum until drilling begins, 2 miles from Guffey-Gillespie, deep well in 28-32-10; \$60 per acre; owner reserves 1-16 of oil. The Eastern Kansas Land Co., Quenemo, Kan.

160 A. KAW Bottom, 3 miles of Lawrence, fair improvements, fine farm. Priced right, 160 a., 3 miles from Lawrence, never failing water, very fine improvements. Priced at \$25 less than its value. 200 a. farm 13 miles from Lawrence, 3 miles from station on U. P. R. R., good improvements at \$90 per acre. Suburban and city properties. W. S. Clawson, 744 Mass. St., Lawrence, Kan.

WHEAT FARM BARGAIN 800 acres smooth rich land, 300 fine wheat, two sets improvements, close to town, school, R. F. D. telephone, only \$37.50 per acre, possession. Also fine half section, 190 wheat, good improvements, smooth, close to town, \$35 per acre, good terms. Write or come at once. MANSFIELD INVESTMENT & REALTY CO., Healy, Kansas.

80 ACRES, 6 miles of Ottawa, possession now, 5-room house, good barn, double creek improvements in good shape. Land good and lays well, 60 acres in cultivation and more could be. Easy terms. \$10,000. 120 acres, 9 miles Ottawa, 2 1/2 good town, 8-room house, good barn and other outbuildings, 15 acres hog tight, 30 acres good pasture, running water. 30 acres good alfalfa land. Write for list of other farms. Dickey Land Co., Ottawa, Kansas.

560 ACRES, 230 acres of which is good bottom land, 2 miles from Medicine Lodge, on Elm creek. 200 acres in cultivation; 80 acres in alfalfa. Good improvements, plenty of pasture and plenty of good running water. Price \$50 per acre. Terms on \$20,000. 2,000 acres of fine grass land, Ochiltree Co., Texas, on Wolf creek, 300 to 400 acres bottom land, plenty of running water, large per cent can be cultivated. This is an A No. 1 ranch. Price \$12.50 per acre. John Ferriter, Wichita, Kansas.

FOR SALE—A fine improved section, four miles north of Wichita, Kansas, eight miles from Dodge City, five-room house, large barn, granary, chicken house, windmill and large plank corral; all fenced and cross-fenced; living water; 300 acres in wheat, looking fine, one-third of which goes to purchaser; 60 acres for spring crop; 10 acres have been raising good alfalfa. Wheat on land near by produced 32 bushels per acre in 1919. This is a splendid farming and dairy proposition and a bargain at \$37.50 per acre. Good terms. Hiram T. Burr & Co., Dodge City, Kansas.

SOUTHWEST KANSAS is developing fast. Farmers are making good profits on small investments. It is the best place today for the man of moderate means. You can get 160 acres for \$200 to \$300 down, and no further payment on principal for two years, then balance one-eighth of purchase price annually, interest only 6%—price \$12.50 to \$20 an acre. Write for our book of letters from farmers who are making good there now, also illustrated folder with particulars of our easy purchase contract. Address W. T. Oliver, Santa Fe Land Improvement Company, 404 Santa Fe Bldg., Topeka, Kansas.

AS I HAVE MORE LAND than I care to farm I will sell any one of the following described farms and give good terms. No. 1—400 acres bottom land, 1/2 mile to city limits of Medicine Lodge. Good 7-room house, 3-car garage with sleeping quarters on second floor for extra help, plastered inside and stuccoed exterior; barns; elevator holding 16,000 bu. grain, other granaries and buildings galore; heavy native timber surrounding buildings and in pasture. Running water and springs, best of drinking water. Over 100 acres in alfalfa and sweet clover. Best stock farm in state. Electric light from city will be installed soon. A great dairy proposition. Price \$85 per acre. No. 2—440 acres, 2 miles from Medicine Lodge. All bottom alfalfa ground. Considered best farm in county. Mostly fenced hog tight and in different fields. About 1/2 in cultivation and mostly in wheat which goes with place. This tract is level heavy soil with a never-failing creek flowing thru farm and close to buildings making windmills unnecessary. Plenty of fish and ducks in season. Buildings all good with exception of barn. Will carry 50 cows the year around. Fine timber and shade. Great possibilities in irrigating with small expense. About 40 acres in alfalfa. Price \$95 per acre and the best buy in the state. You will say so when you see it. No. 3—420 acres across road from No. 2. This is mostly upland, but good productive soil. 200 acres in wheat, 1/2 goes to purchaser, about 70 acres more for spring crop, balance grass. Will run about 50 head cows. About 40 acres bottom. Fine fruit and large shade trees. Buildings fair. The same creek flows thru this farm as No. 2. Large fish ponds could be constructed at small expense. Price \$60 per acre. Should you desire a smaller farm, or a larger ranch, I can fit you out. D. W. Stone, Motor Route A, Medicine Lodge, Kansas.

160 ACRES Fair imp., good well and windmill, all fenced, 40 pasture, 120 farm land. Close to Larned, Pawnee Co., E. H. Farr, Larned, Kan.

KANSAS

The Bargain Counter

Right here at Winona is the high spot in value and the low spot in price. Come and see. Improved farms and ranches, grain, alfalfa and grass lands. We own or control our bargains. THE BROOKE LAND & TRUST COMPANY, Winona, Kansas.

At Auction on March 25

Choice Reno Co. farm, 320 a. 4 mi. west of Pretty Prairie, Kan., with good imps., 8-room house, electric lights, modern every way, 150 a. heavy wheat land in wheat and oats, bal. low land, black loam, never falls on corn. 100 a. of this blue stem pasture and mow land, bal. for corn and alfalfa. Will carry \$18,500 6% short time. Terms on part of balance. Possession at once. R. E. Smith, Col. E. Simmonds, Auct.

ARKANSAS

WRITE TOM TETER, SHERIDAN, ARK., for bargains in good farms.

DOWELL LAND CO., Walnut Ridge, Ark. Fine corn lands, easy terms, plenty rainfall.

WRITE TOM BLODGETT, Pine Bluff, Ark., for land bargains that will double in value.

YOU HAVE HEARD of Benton County, Ark. Let us send farm list. Rogers Land Co., Rogers, Ark.

OZARK Cream-Stock Farms, Fruit Farms, Berry and Vegetable Tracts. Hunsaker, Decatur, Ark.

BUY A FARM in the great fruit and farming country of northwest Arkansas where land is cheap and terms are reasonable. For free literature and list of farms, write J. M. Doyel, Mountainburg, Ark.

IF YOU WANT A GOOD FARM at a very small cost in a fine country, producing grain, corn, cotton, forage, fruits, truck on a commercial scale, livestock and poultry, visit Scott, Polk, Sevier, Little River and Miller counties in Southwest Arkansas. Write for information to Forest K. Woodruff, Agricultural & Industrial Agent, 408 Kansas City Southern Railway Bldg., Kansas City, Missouri.

SOUTHWEST ARKANSAS

Good improved farms \$10 to \$50 per acre on good terms. Send for copy of farm bulletin with complete descriptions of farm bargains. Stuart Land Co., Inc., DeQueen, Arkansas.

CALIFORNIA

FREE GOVT LANDS, 100,000,000 acres. Send for free Booklet telling how to obtain all necessary information about acquiring these lands. Address Dept. No. 104. The Homeseeker, Los Angeles, Cal.

COLORADO

SNAP—640 a. good corn and wheat land, 4 mi. from Keota, unimp., \$20 a., \$4800 cash. Bal. 6% int. Owner, Box 146, Keota, Colo.

IF YOU WANT a fine irrigated ranch let me know your wants. E. S. Campbell, Cortez, Colorado.

20 IMPROVED eastern Colorado farms for sale at bargain prices; terms; information and literature on request. Frank Sutton, Akron, Colo.

EASTERN COLORADO. Irrigated farms. Any size, ranches and upland farms. Write for list. C. A. Quimby, Granada, Colorado.

IRRIGATED small tracts and farms produce sure and paying crops. We have them at Rocky Ford, Colo. Write. Wm. C. Steele, Rocky Ford, Colorado.

SOUTHEASTERN COLORADO farms and ranches in the rich, productive lands of Baca County, Colorado. Wheat 30 bushels to acre, corn 40 bushels to acre. Land \$15 per acre up according to improvements. F. J. Graves, Springfield, Colorado.

LANDS ARE rapidly advancing here. No other district has such a future ahead of it. A farm bought now, will be worth double in a few years. Let us show you what we do for those who buy from us. Let us show you the experience of those who have been here a few years. We sell our own lands, and can offer good farms with or without growing wheat. For further particulars write, Wagner Realty Co., Akron, Colo.

SAN LUIS VALLEY COLORADO Irrigated farms in this valley are paying 9% to 10% as an investment. As a home they offer a healthy climate, good neighbors and abundant crops every year. The consolidated school system of the valley enables your children to get a high school education while living at home. Prices are very low for irrigated farms and are certain to advance rapidly. Send for literature regarding this valley. ELMER E. FOLEY, 1001 Schweiter Bldg., Wichita, Kansas.

Best Lands

I own 7,000 acres of the best farm land in East Colorado. Corn, wheat, kafir, etc. See our crops for yourself. This land was bought right and you may have it right. Write for facts—now. R. T. Cline, Owner, Brandon, Colorado.

TAKE A HUNCH FROM US

AND get in on this wave of prosperity now coming to the Eastern Colorado Farmer. Send for folder and lists.

Wolf Land Company

Yuma, Burlington, and Stratton, Colorado.

COLORADO

SOUTHEASTERN COLORADO farms and ranches, any size, lowest prices, best terms, good crops, excellent climate. Send for free descriptive booklet and list. The Gregg Realty Company, Lamar, Colo.

HASWELL DISTRICT of eastern Colorado, the garden spot of the state. We own our own land and guarantee delivery. If you have never seen this district, which is largely shallow water, by all means look it over before buying elsewhere. Write us. **CHARLTON-HOPEWELL LAND CO.,** Haswell, Colorado.

FARMERS ATTENTION—Do you own land or is your farm too small and hindering your operations? If so, write for information regarding fine farm land which I own in the Blju Valley, 50 miles east of Denver and will sell in sections and half sections at bargain prices and give liberal terms. Write the owner, **John W. Baughman, Liberal, Kansas.**

GET THE FACTS ABOUT COLORADO LANDS

Write today to the Colorado Board of Immigration for complete, authentic information on agricultural, dairying and live stock opportunities in various irrigated and non-irrigated districts of Colorado. We have no land to sell, but will help you find good land at a fair price. Our "1919 Year Book" contains detailed discussion of resources, crop production, financial conditions, etc., by counties. A few copies left at 75c each to cover printing and binding cost. Send cash or money order if you want one.

Room 68, State Capitol, Denver, Colo.

IDAHO

IDAHO LAKE REGION OPPORTUNITIES Farms all sizes and prices for sale. **Peter Johnson, Sandpoint, Idaho.**

IOWA

WANTED to hear from owner of farm for sale. **Mrs. W. Booth, H. P. Station, Des Moines Ia.**

MASSACHUSETTS

GOLDEN NEW ENGLAND farms with stock and tools. Send for a copy of "The Earth" today. **D. B. Cornell Company, Great Barrington, Mass.**

MISSISSIPPI

WRITE for free Mississippi map and land list. **Land Market, Box 843, Meridian, Miss.**

MISSOURI

OUR BIG new list for the asking. **Amoret Realty Co., Amoret, Mo.**

ALL SIZED FARMS, fruit farms and timber land. **Noll, Mt. View, Missouri.**

VALLEY FARMS—Fruit and berry farms. Write. **Chambliss & Son, Anderson, Mo.**

IMP. FARMS, ranches, timber lands. Exchanges. **Goff Realty Co., Willow Springs, Mo.**

155 ACRES, bottom, improved, \$6,000; \$1,500 down. **Tom King, Weaubleau, Missouri.**

FOR BIG FARM LIST, just out, write, **Baker Investment Co., Mountain Grove, Mo.**

DO YOU WANT a home in South Mo.? Write **Stephens & Perry, Mountain Grove, Mo.**

FREE—All about the Ozark country, map and list of cheap lands. **Durnell Land Company, Cabool, Mo.**

LISTEN; improved 80, 35 cultivated, 1 1/4 town, \$1,850, \$500 down. **McGrath, Mtn. View, Mo.**

40 ACRES, imp., \$2,500. 80 imp., \$5,000. 100 imp., \$5,000. 240 imp., \$7,200. Abundance water close town. **W. E. Pruet, Weaubleau, Mo.**

IF YOU WANT a large or small prairie or timber farm, pure spring water, no crop failures, write **J. E. Loy, Flemington, Mo.**

FOR BARGAINS in small homes, farms and ranches, write, **Houston Realty Company, Houston, Missouri.**

BUY A FARM in Polk county, Mo., now. Values will double. **A. L. Pemberton Farms Co., Bolivar, Mo.**

FOR SALE—232 acre north Missouri farm, black land, lays good, good buildings, good water, close to town, Charlton county. Price right. **Box 72, Colony, Kansas.**

POOR MAN'S Chance—\$5 down, \$5 monthly, buys 40 acres productive land, near town, some timber, healthy location. Price \$200. Other bargains. **Box 425-O, Carthage, Mo.**

THE HOMESEEKERS GUIDE sent free upon application. Over 100 bargains in good productive real estate. Farms from \$10 per acre to \$100. **Blankenship & Son, Buffalo, Mo.**

200-Acre Missouri Farm, \$5,600, with 3 Horses and 4 cows, 2 steers, 2 calves, 12 hogs, poultry, tools, hay, feed thrown in to quick buyer, only \$2,000 cash needed. On inter-state county highway, near R. R. town. Chocolate loam soil producing abundant crops clover, alfalfa, corn, oats, cane; woven-wire fenced pasture, estimated \$1,800 worth lumber, apple orchard, peaches, plums, berries, grapes. New main dwelling, also 3-room bungalow, 2 barns, granary, corn, poultry houses. Details page 85 Strout's Spring Catalog Bargains 33 States; copy free. **STROUT FARM AGENCY, 831 AS New York Life Bldg., Kansas City, Mo.**

NEBRASKA

160 ACRES, 100 level, 60 in wheat. Six and a half miles from Culbertson. Price \$5,000. **A. E. Smith, The Land Man, Culbertson, Nebraska.**

OKLAHOMA

203 ACRES, well improved, joins town, 3 sets improvements, will subdivide, \$75 a. **M. F. Garretson, Adair, Oklahoma.**

\$20 TO \$60 PER ACRE. Fine wheat, oats, alfalfa, corn and cotton lands. Write for free illustrated folder. **E. G. Eby, Wagoner, Okla.**

160 ACRES 1 1/2 miles good R. R. town this county, 70 acres bottom in cult., bal. good pasture. Fair imp., worth \$40 per a., but is off main road. Price \$30 per a. Terms. **Southern Realty Co., McAlester, Oklahoma.**

160 ACRES 3 miles Oakwood, 70 cultivated, all tillable, 4 room house, stable, granary and crib, good well and windmill, fenced and cross fenced, orchard for family use, on state road. Price \$4,000, terms on half. **L. Pennington, Oakwood, Oklahoma.**

FARM HOMES in Sunny Oklahoma, 160 acres 5 1/2 miles out, 120 in cult., no sand, 6 rm. house, well improved, pure water, bearing orchard, school 40 rds., \$8,500, 1/2 cash. Many other choice bargains from \$3,200 to \$20,000 per quarter. Illustrated literature and new map free. **DeFord & Cronkrite, Watonga, Oklahoma.**

PLAY SAFE

Buy farms from bonded real estate men. Square deal assured. Have direct listings from over one hundred firms under bond in Oklahoma, Arkansas and Texas. Write us. **BONDED SECURITIES COMPANY, 702 Oil Exchange Bldg., Oklahoma City, Okla.**

TEXAS

LIFETIME OPPORTUNITY, get your money working. Panhandle bargains. Bumper crops, and recent oil possibilities are all great. Write today. **J. N. Johnson Land Co., Dalhart, Texas.**

WYOMING

Gov't Land

We insure your crop against drought. Let us tell you about a new irrigated district to be opened soon under the provisions of the Carey land act.

Any citizen, male or female, over the age of 21 years, can take advantage of this opportunity to make himself independent; you only have to live on this land thirty days before making final offer.

We have a special offer to make so that the land and a perpetual water right under the Carey land act will cost you only about \$30 per acre.

Abundant water supply for irrigation, almost perpetual sunshine and the richest kind of land have combined to produce crops that have put Wyoming farm value per acre, according to United States agricultural reports, far above that of the most favored section of the rain belt, as well as other sections of the West. Write us for information.

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SALE OR EXCHANGE

WANT TO HEAR from party having farm for sale. Give particulars and lowest price. **John J. Black, Copper St., Chippewa Falls, Wis.**

FOR SALE AND EXCHANGE

Northwest Missouri farms, the greatest corn belt in the United States. Also western ranches. Advise what you have. **M. E. Noble & Co., St. Joseph, Mo.**

MISCELLANEOUS

I HAVE cash buyers for salable farms. Will deal with owners only. Give description, location and cash price. **James P. White, New Franklin, Mo.**

PRODUCTIVE LANDS—Crop payment on easy terms. Along the Northern Pac. Ry. in Minnesota, North Dakota, Montana, Idaho, Washington, Oregon. Free literature. Say what states interest you. **L. J. Bricker, 81 Northern Pacific Ry., St. Paul, Minn.**

HANDLE MORE BUSINESS? Are you getting all the business you can handle? If not get big results at small cost by running a classified ad in **Capper's Weekly.** The Great News Weekly of the Great West with more than a million and a quarter readers. Sample copy free for the asking. Only 5c a word each week. Send in a trial ad now while you are thinking about it. **Capper's Weekly, Topeka, Kan.**

MISCELLANEOUS

SELL YOUR PROPERTY quickly for cash, no matter where located, particulars free. **Real Estate Salesman Co., 515 Brownell, Lincoln, Nebraska.**

FREE GOVERNMENT LANDS—Our official 112 page book, "Vacant Government Lands," lists and describes every acre in every county in U. S. Tells location, place to apply, how secured free, 1920 diagrams and tables, new laws, lists, etc. Price 50 cents postpaid. **Webb Publishing Co., Dept. 92, St. Paul, Minn.**

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Kansas and Oklahoma
Lowest Current Rate
Quick Service. Liberal Option.
Interest Annual or Semi-Annual.
THE PIONEER MORTGAGE CO., TOPEKA, KANSAS.

Farmers are Busy Plowing

Acreeage in Barley and Oats Will be Larger

BY JOHN W. WILKINSON

FARMERS have been very busy during the past week with their spring farm work. The ground altho a little too dry for winter wheat is in excellent condition for plowing and seeding of early crops. Present indications are that there will be a slightly increased acreage planted in both oats and barley. Many farmers have finished sowing oats and are now busy getting their fields ready for planting other crops. Potato growers in the Kaw Valley are also busy with their preparations for this crop. Some are experiencing considerable difficulty in getting good seed and some are making the mistake of buying inferior seed because of its cheaper price, but the experience of potato growers last year shows that it is unwise to do so. The county farm agents are urging that seed be treated before it is planted.

Many new varieties of corn, and other grains are being offered for sale and extravagant statements are being made as to the results that may be expected in the way of yield and quality, but farmers who are wise will wait until these new varieties have been tested fully by the Kansas Experiment station before giving them a trial. It will be best always to deal only with reliable seed houses. Stocks of clover, alfalfa, bluegrass, Sudan grass and other pasture crops should be free from weed seed and other impurities. It seldom pays to buy the cheapest grades of seed which not only may be impure but also may be low in germination power.

Winter wheat has been helped by the warm weather of the past week, but it needs more moisture to give it a good start. Scattering showers fell in a number of counties in the state during the week, but heavy rains must come soon in order to insure a good yield of wheat. High winds in the early part of the week caused considerable damage to wheat in sections of a number of the western counties where the soil is sandy and inclined to drift. Farming conditions as a whole are regarded as fairly satisfactory. Local conditions in various parts of the state are shown in the following county reports by our crop correspondents:

Barber—Lack of moisture is doing much damage to wheat, and if we don't get rain soon the acreage will be greatly reduced. Mercury dropped to 5 degrees below last week, and we had a light snow. Many sales are being held and livestock sells at satisfactory prices. Farmers are getting started with spring work. Outlook for oats and barley is not good. Ground is moist under top crust, and breaks up satisfactorily. **Homer Hastings, March 13.**

Brown—Some farmers have begun to sow oats, but the rain and snow of March 11 will delay the seeding a few days. Wheat is beginning to green. We have plenty of feed. Cars for shipping are difficult to obtain. Oats are scarce and worth \$1; corn, \$1.40; wheat \$2.10; hogs, \$13.40; eggs 35c; cream 61c.—**A. C. Dannenberg, March 13.**

Butler—Despite the past 10 days of very cold, windy weather, wheat is 90 per cent, but needs moisture badly. A large acreage of oats is being put out. Livestock is healthy. Eggs are selling for 40c; butter, 45c; hens 30c.—**Mrs. Charles Geer, March 6.**

Chautauqua—Oats sowing is completed. We had a good rain March 11 which was of much benefit to wheat. Some farmers are making garden. Livestock is in good condition. Prices are going down, which is very discouraging to farmers. Flour is worth \$7; shorts, \$3; bran \$2.30; corn chops \$3.25; eggs 38c; butterfat 68c.—**A. A. Nance, March 13.**

Cowley—The past week has been excellent for field work, and oats sowing is completed. We have had no moisture since the snow in early part of January. Wheat is in poor condition and is small. Livestock is healthy. Cream is worth 65c; eggs 33c; hens 28c.—**Fred Page, March 14.**

Elk—The spring-like weather puts new life into growing crops. We had zero weather the first of this month however. A good rain fell March 11, and wheat and alfalfa are greening. Oats have nearly all been sown. Very little fat stock will be marketed, and very few stock cattle are being shipped in. The Flint hill pastures will not demand such high prices as the past two years, and it is thought the rent will be \$8 a head.—**D. W. Lockhart, March 13.**

Finney—Weather is windy. It is getting dry and wheat fields have begun to blow. Farmers have sown a good deal of oats. Cattle are satisfactory. A number of public sales have been held, and everything sells high. Eggs are worth 35c; butter 50c.—**Max Engler, March 13.**

Geary—Weather has been cold and stormy. It is warmer now and farmers are sowing oats. More ground will be seeded than last year. Wheat is satisfactory, but the recent cold spell probably damaged it some. Livestock brings satisfactory prices at sales. Fat hogs are scarce, and pig crop will be light.—**O. R. Strauss, March 13.**

Greenwood—We had an inch of rain March 11 after some severe cold and dry weather. The rain will be of much value to oats which is sowed, and wheat is be-

ginning to green. Some farmers report their wheat as winter killed. A few days of growing weather will bring out the exact condition of the crop.—**John H. Fox, March 13.**

Haskell—We have had several dust storms recently, which took a great deal of moisture from the ground. Wheat is greening. We need moisture badly. Some farmers are sowing oats and barley, others will wait for moisture. Livestock is in good condition, and brings good prices at public sales. Wheat is \$2.10; butterfat 65 cents; eggs 32 cents.—**H. E. Tegarden, March 13.**

Kingman—Weather is very pleasant today. Some oats is yet to be drilled. Ground is dry and soil is blowing. We had the worst wind storm in years on March 3. Much wheat is blown, and the crop is in poor condition, generally. Some farmers believe the loss from the wind storm was 50 per cent. We still have a number of influenza cases here. Satisfactory prices are received at public sales. Horses and colts are low. Not many farms have been sold. Farm bureau membership is increasing rapidly. Butterfat is 63 cents; butter 60 cents; seed oats \$1.05; corn \$1.60; alfalfa \$2.5, cotton cake \$78.—**W. C. Craig, March 13.**

Linn—Farmers were busy in the field until the recent rainy and cold weather came. The moisture benefited wheat, and made stock water. Weather has moderated now. Few sales are being held. A 500 acre farm was sold at auction March 8 for \$68 an acre. Farmers hope this will be a good fruit year, but home orchards have been neglected badly. Hay still is being shipped out.—**J. W. Clinesmith, March 13.**

Neosho—We are having excellent growing weather, and have had a good rain. Wheat ought to show up in a few days. A great deal of oats has been put in, and much will be sown. Some ground has been plowed for corn. Farmers will sow very little flax. A number of farmers have sold out, and many young men are going to the cities. Flax seed is \$5.25; seed potatoes \$3.75; corn \$1.50; oats 90 cents to \$1.25; apples 10 cents a pound; eggs 35 cents; hogs \$13.—**A. Anderson, March 13.**

Osage—Warm weather and a little rain have started late sown wheat. No rain has fallen for stock water. Some farmers are paying 40 cents a load for water from the city water system. Hay is going to market, and cars ordered in October are coming in now. A late freeze stopped plowing. Pasture land rents cheaper than last year, but the selling price of land has not decreased. Cream and eggs are holding up well.—**H. L. Ferris, March 13.**

Osborne—Weather is changeable and windy. Farmers are sowing oats and barley and ground is in good condition. Early sown wheat is satisfactory. Late sown fields are thin. Threshing is nearly completed. We will have plenty of roughness until grass time. Spoiled tops from wheat stacks make good feed. Livestock is healthy.—**W. F. Arnold, March 13.**

Pawnee—Weather is cold and a dry snow is falling. We need a wet snow or rain very badly. Wheat was damaged some by a recent wind storm, and is in poor condition to stand a dry, windy March. Farmers believe that the prospects for 1920 crops are poor. Eggs 40 cents; butterfat 65 cents; wheat \$2.30.—**E. H. Gore, March 6.**

Rooks—Farmers are plowing for oats and barley. Ground is in good condition. Some horses are being lost by a disease resembling the horse plague of several years ago. Some cattle also have died from the disease. Very few cases of influenza are in county.—**C. O. Thomas, March 13.**

Saline—Weather is dry and windy and a good rain would be welcome. Some wheat has been injured on sandy soil, but most fields are healthy. Farmers believe the recent sleet killed much fruit. Many sales are being held and farmers are retreating. Land rents at from \$500 to \$1500 a quarter section. Pasture land is cheaper as low prices have made cattle raising unprofitable. Wheat is \$2.20; corn \$1.50; oats \$1; barley \$1.40 to \$1.75; butterfat 67 cents; butter 57 to 60 cents; eggs 36 to 38 cents.—**J. P. Nelson, March 13.**

Stafford—Wind storms of exceptional severity have damaged wheat prospects a great deal. No rain, except light showers has fallen for some time. Some farmers are cutting sod preparatory to corn planting. Some oats has been sown, but many farmers are waiting for rain before putting seed in ground.—**S. E. Veatch, March 13.**

Sumner—Wheat is beginning to green and farmers will know what the crop will do in a week. A large acreage of oats will be sown. A good rain is needed badly. Very few public sales have been held. Cattle feeders have been very successful, but prices are unsatisfactory. Wheat is selling for \$2.35; oats \$1.10; corn \$1.55; eggs 38 cents; butterfat 70 cents; kafir \$1.30.—**E. L. Stocking, March 13.**

Washington—Weather has been very pleasant this week, with the exception of a cold north wind Thursday night. Roads are good and ground is in excellent condition. Farmers are disking, and some are sowing oats. Little chicks are doing well and a number of incubators have been set. A large acreage of oats will be sown. Public sales are decreasing. Alfalfa seed is \$2; eggs 34 cents; butterfat 65 cents; hens 28 cents; corn \$1.45.—**Ralph E. Cole, March 12.**

Wichita—Some farming is being done. There is plenty of moisture in ground to plow but it is frozen a little now. We have sufficient feed for livestock. Threshing is completed. A few public sales have been held recently. Shelled corn is worth \$1.25; sorghum \$1.35 a hundred; cream 58 cents; hens 22 cents; ducks 18 cents; turkeys 25 cents.—**Edwin E. White.**

Wilson—We had 1/2 inch of snow March 10 which was needed badly. No moisture had fallen for four months except 5 inches of snow. Prospects are very poor for a wheat crop. Hogs are scarce, and very few stock cattle have been kept compared to former years. Farm help has gone to cities for better wages. Corn \$1.50; flour \$3.50 for 48 pounds; sugar 20 cents.—**S. Canty, March 14.**

Wyandotte—Wheat and rye look well, but need moisture. Livestock is in good condition as the winter was mild. Satisfactory prices are received at public sales, and the demand for farm products is good.—**A. C. Espenlaub, March 13.**

Sale Reports

Polled Shorthorn Sale at Lebanon. 30 head averaged \$164 16 females averaged 145 14 bulls averaged 186

The northwest Kansas Polled Shorthorn breeders sale at Lebanon, Kan., March 5, struck a blizzard and the attendance was cut down considerably because of that. But it was a pretty good sale anyway.

Table with 2 columns: Name, Date. Includes Fannle (X) Jan. 1918, McDonald, Kan., Cherrydale (X), March 1918, etc.

Table with 2 columns: Name, Date. Includes Jessie's Secret, April 1919, Roan Marshal (X), April 1919, etc.

Gwin Bros. Second Sale. Gwin Bros., Morrowville, Kan., held their second sale of Duroc Jersey bred sows and gilts at the pavilion in Washington last Friday.

Range Cattle at \$8.50 Per Cwt.

325 head of range cattle classed as follows: 100 cows 3 to 6 years old; 100 steers 2 to 4 years old; 100 yearlings; 25 2 and 3 year old bulls; all dehorned, branded and in fair flesh.

THE BIG FOUR RANCH, W. E. Lynn, Morgan Co., Ala.

ABERDEEN ANGUS CATTLE.



MARTIN'S ANGUS

20 Bulls, 12 to 30 months old. Car of 3 and 4 year old cows, bred, at \$125. Come or write.

J. D. MARTIN & SONS, R. 2, Lawrence, Kan.

Angus Bulls and Females

20 registered cows and heifers, 2 to 4 years old, all with calf or calf at foot. 8 registered bulls, 12 to 22 months old, of the Trojan Erica family.

W. L. MADDOX, HAZELTON, KANSAS

PRICED FOR IMMEDIATE SALE

As I need the room—25 registered Angus bulls of serviceable age. These are plain bred rugged fellows raised in the open and will give a good account of themselves on farm or range.

NORMAN J. GROSS, RUSSELL, KANSAS

Cherry Vale Angus Farm

Offers 6 bulls, ranging from 8 to 23 months old, also Herd Bull Roland L. No. 187220. Write for prices.

J. W. TAYLOR, R. 8, CLAY CENTER, KAN.

Special Angus Offering

30 registered young cows bred to show bulls. 15 three-year-old heifers bred. 35 yearling heifers. Young bulls serviceable ages. A few two-year-olds.

SUTTON FARM, RUSSELL, KANSAS

RED POLLED CATTLE.

RED POLL DISPERSION

To disperse "Sunnyside" herd I offer a few bulls and cows of desirable breeding. Also my herd sire, a proven sire of merit and value qualified where worth is wanted.

T. G. MCKINLEY, ALTA VISTA, KANSAS

COBURN FARM RED POLLS

Red Poll Cattle—7 Bulls, 10 to 15 months old, also weaned bull calves and a few heifers, calves up to 2 years old. 90 head in herd.

Mahlon Groenmiller, Pomona, Kansas, (Franklin Co.)

RED POLLS. Choice young bulls and heifers.

Write for prices and descriptions. Chas. Morrison & Son, Phillipsburg, Kansas.

FOSTER'S RED POLED CATTLE

Choice young bulls, priced reasonable. C. E. Foster, R. 4, Eldorado, Kansas

RED POLLED CATTLE.

FORT LARNED RANCH

200 HEAD OF REGISTERED RED POLL CATTLE

A number of choice one and two-year-old bulls and heifers from one to three years old.

E. E. FRIZELL & SONS, FRIZELL, KAN.

Milk-Butter-Beef RED POLLED

We can now furnish a few young bulls from large, thick-fleshed cows, yielding 9,000 to 13,000 pounds of milk per year.

Pleasant View Stock Farm Registered Red Polled cattle. For sale, a few choice young bulls, cows and heifers.

Halloran & Gambrell, Ottawa, Kansas

POLAND CHINA HOGS.

Greenfield Polands

20 great sows and gilts by prize-winning sires and bred to Bower's Bob by Caldwell's Big Bob for March and April farrow. For sale at private treaty.

Earl Bower, McLouth, Kansas

POLAND CHINA BRED SOWS AND GILTS

also fall pigs. We won 49 premiums at the state and county fairs on our 1919 show herd. We show our breeding hogs and breed our show hogs.

PLAINVIEW HOG AND SEED FARM, Frank J. Rist, Prop., Humboldt, Neb.

Deming Ranch Polands

A choice lot of September male pigs for sale at reasonable prices; also a few choice coming yearling boars and a nice lot of March and April gilts bred for May farrow.

THE DEMING RANCH, OSWEGO, KAN. H. O. Sheldon, Supt. of Swine Dept.

Big Type Poland Chinas

For sale—Select fall pigs; herd boar prospects by King Buster by Giant Buster. Fall gilts by H. T. Jack by Col. Jack and King Buster. Everything immuned. Can furnish trios not related. Will make special prices on lots from 5 to 10.

C. SHOBE & SON, APPLETON CITY, MO.

Top Poland Fall Pigs

2 boars and 8 gilts, the tops of my fall pig crop, well grown out and big stretchy individuals from outstanding sows and by a 1900 pound sire, one of the 3 times grand champion A Wonderful King. Boars old enough for service; gilts same age. Bargain prices if taken at once. Satisfaction or money back. Papers with each pig.

RALPH ELY, MULLINVILLE, KAN.

BIG TYPE POLANDS

We have nothing for sale at present except some good fall pigs, but will have a fine lot of spring pigs for sale soon.

FRANK L. DOWNE, R. 4, Hutchinson, Kan.

Big Bred Poland Females

Sired by A Big Timm and bred to son of Big Bob Wonder and Model Wonder. These good sows and gilts are right in every way. Write your wants.

JAMES ARKELL, JUNCTION CITY, KAN.

BIG TYPE POLANDS

For Sale—A real good 6-month-old boar by the great boar Sterling Buster 96954 at \$45; he is ready for spring service; good weaning boar pigs at \$20 each; also a good July gilt. Pedigrees furnished.

HENRY S. VOTH, R. 2, GOESSEL, KANSAS

75 Extra Good, Big, Stretchy Polands

Fall pigs, some real herd boar prospects; very best of breeding; pairs or trios no kid; immuned; priced to sell. Guaranteed to please you or your money back.

ED SHEEHY, HUME, MISSOURI

GILTS BRED TO FARROW

In March and April \$75 for choice. We purk our plain ones and make good all representations. Herd established 1897. Poland Chinas of equal individuality are bringing \$75 to \$350 in sales.

P. L. WARE & SON, PAOLA, KANSAS

Big Black Polands

Spring boars that are heavy boned and have plenty of length \$35 to \$40. Good, growthy fall boars that are ready to ship \$20. All stock registered.

E. M. WAYDE, R. 2, BURLINGTON, KAN.

Big, Growthy Poland Gilts

bred to the 1200-pound A Longfellow and A Wonder Hercules. JAMES NELSON, R. 1, Jamestown, Kan.

LINE BRED LARGE TYPE POLAND HOGS

A few bred sows and gilts; boars for sale. Can furnish trios not related.

E. CASS, COLLYER, KANSAS

BIG TYPE POLAND CHINAS

10 bred gilts for sale at \$60 each; 40 fall pigs, either sex, at \$20 each; all sired by Kansas Mastodon 326711.

A. M. Markley & Son, Mound City, Kansas.

O. I. C. HOGS.

O. I. C. BRED AND OPEN GILTS, priced to sell. E. S. Robertson, Republic, Missouri.

SPOTTED POLAND CHINA HOGS.

OLD ORIGINAL SPOTTED POLANDS

Sows bred and proved. Ready to ship. Young stock of all ages priced to sell. Write your wants to CEDAR ROW STOCK FARM, A. S. Alexander, Prop., Burlington, Kansas.

DUROC JERSEY HOGS.

200 Big Bred Duroc Gilts

Buy bone and breed big. Get the gilts, pay for them afterwards. Pedigrees recorded. Written guarantee they are immune and in farrow.

F. C. Crocker, Box B, Filley, Neb.



Big Type Boars

Pathfinders, Colonels, Orion Cherry Kings And other popular Big Type strains from big mature sows. Immuned. Priced to sell.

G. M. SHEPHERD, LYONS, KANSAS

Boars and Bred Gilts

Sired by Cherry King Orion, Reed's Gano, Potentate's Orion. Dams by Pathfinder, King the Col. and Crimson Wonder. Immuned. Priced to sell.

JOHN A. REED & SONS, LYONS, KANSAS

Duroc Jersey Bred Sows and Gilts

For sale, sired by Valley Col. and Golden Orion; bred to the good boar Orion Pathfinder for March farrow. Priced reasonable and satisfaction guaranteed.

C. W. McCLASKEY, GIRARD, KANSAS.

WOOD'S DUROCS

Spring pigs, both sexes. Great Wonder strain; registered; immuned, double treatment; satisfaction guaranteed.

W. A. WOOD, ELMDALE, KANSAS

IF YOU WANT HIGH CLASS BRED GILTS

bred to real boars we have them. Fall and spring gilts bred to Unecda High Orion, grand champion, and Victory Sensation 3rd, a boar they are all talking about. Write us about these gilts if you want good ones.

ZINK STOCK FARMS, TURON, KAN.

Replogle's Durocs

Spring boars; registered and immunized; Orion, Illustrator and Colonel bloodlines. Gilts and fall pigs of same breeding. Satisfaction guaranteed.

SID REPLOGLE, Cottonwood Falls, Kansas.

Mueller's Durocs

A fancy lot of spring gilts and sows bred for March and April litters to Unecda King's Col. Graduate Pathfinder and Unecda High Orion Jr. Special prices for next 30 days.

GEO. W. MUELLER, R. 4, ST. JOHN, KAN.

Fulks' Large Type Durocs

Extra good spring boars sired by Unecda High Orion the grand champion. One of these took first at Wichita. Also fall boars by Neb. Col. Chief. All immuned, guaranteed.

W. H. FULKS, TURON, KANSAS

Wooddell's Durocs

15 toppy fall boars for sale. Sired by Chief's Wonder, Pathfinder Jr. and I Am Great Wonder; from big mature sows. One of the best sow herds in Kansas. Priced to sell at once. G. B. Wooddell, Winfield, Kan.

CHOICE SEPTEMBER PIGS

either sex \$35. Pairs and trios not akin; recorded and guaranteed immune. March pigs either sex, weaned May 8th, \$20 each. Express prepaid on pigs.

D. O. BANCROFT, OSBORNE, KANSAS.

Bargains in Open Gilts

Ten September gilts and two July gilts. Also a few September boars, prices right if you take them quick.

JOHN A. CUREY & SON, ELMONT, KAN.

Duroc Fall Boars

Ready for spring service. Also baby boars for May delivery. Reasonable prices. Circular free. Searle & Searle, R. 15, Tecumseh, Kan.

Good Duroc Boars

Sired by Pathfinder, Jr., farrowed July, 1919. L. A. POE, HUNNEWELL, KANSAS.

Extra Good Pathfinder Fall Boars

for sale. R. C. Smith, Sedgwick, Kansas.

DUROC-JERSEY bred gilts.

Bred for March and April farrow, to Joe Orion Cherry King 2nd and First Quality, boars with size and quality. R. T. & W. J. Garrett, Steele City, Neb.

HAMPSHIRE HOGS.

Start Right With Silver Hampshires

Buy your breeding stock from herd that stands supreme in SHOW RING AND BREEDING PEN. For sale—Bred sows and gilts, also boars, one or a carload. Buy by mail. "Silver guarantee" back of every hog. Drop postal card today for price lists.

Wickfield Farms, Box 55, Cantrill, Iowa F. F. Silver, Prop.

MESSINGER BOY HAMPSHIRE

200 registered and immuned hogs. Write WALTER SHAW, R. 6, WICHITA, KANSAS

Hampshires—Spotted Polands

Boars of both breeds, ready for service, \$30 to \$50. Also bred sows and gilts of both breeds.

C. W. WEISENBAUM, ALTAMONT, KAN.

REGISTERED HAMPSHIRE HOGS

From the popular strains of America and at farmers prices. Chas. Buchele, Cedarvale, Kan.

LARGE TYPE HAMPSHIRE

Have a few bred gilts and fall gilts at prices to sell; sired by the great wonder boar, Wempe's Kid 64363.

ROBT. WEMPE, ROUTE 2, SENECA, KANSAS.

WHITEWAY HAMPSHIRE

Fall pigs, either sex, at bargain prices. Popular breeding. F. B. Wempe, Frankfort, Kan.

CHESTER WHITE HOGS.

Raise Chester Whites Like This the original big producers

I HAVE started thousands of breeders on the road to success. I can help you. I want to place one hog from my great herd in every community where I am not already represented by these fine early developers—ready for market at six months old. Write for my plan—"More Money from Hogs."

G. S. BENJAMIN, R. F. D. 1 Portland, Michigan

PRINCE TIP TOP—GRAND CHAMPION OF KANSAS

heads my herd. Bred gilts all sold. A few choice boar pigs by Prince Tip Top and out of the top sows in my recent sale. Prices reasonable. Henry Murr, Tonganoxie, Kan.

Herd Boar Material

10 September boars by Don Tip Top and Don Combination. I want to move them in the next 30 days.

ARTHUR MOSSE, LEAVENWORTH, KAN. Kansas Herd Chester White Hogs.

A1 CHESTER WHITE HERD BOAR

2-year-old Don Keokuk 2nd, \$100. Ten of his Nov. gilts \$25 each. Five Nov. boars \$20. Jersey \$20. Holstein \$35. bull calves. All registered.

F. SCHERMAN, R. 7, TOPEKA, KANSAS

CHESTER WHITES Bred gilts all sold.

Choice fall boars and gilts for sale. E. E. SMILEY, PERTH, KAN.

SUNFLOWER HERD CHESTER WHITES

Bred sows and gilts; boar pigs; priced right. C. H. Cole, North Topeka, Kansas

CHESTER WHITE BOARS AND GILTS

For sale. Sired by Bob Tip Top. Best of breeding. W. H. Lynch, Neosho Rapids, Kan.

JERSEY CATTLE.

JERSEYS FOR SALE

Bull Calf, Dropped Oct. 31, 1920—Rich, brown, black switch, tongue, straight back line, good body. Choice, \$125.

SIRE—Count Financial, 56 3/4% Financial Count; son of Ruby's Financial Count and daughter of Financial Countess Lad. Grand dam's 3-year-old official record, 615 lbs. butter; a full sister to Gold Majoram.

DAM—Fox's Lady Comba, granddaughter of Champion Flying Fox (\$7,500). On official test, 3,587.8 lbs. milk, 179.3 fat in 119 days. Handicapped by remodeling barn.

Bull Calf, Dropped Jan. 18, 1920—Deep red color, black switch, tongue, \$50. Sire, same as above.

DAM—Daughter of son of Champion Flying Fox and Merry Maiden's Jewess, official 7-day record 15 lbs. 2 ozs. butter, 305 lbs. milk. Registered, transferred, pedigree, f. o. b. I personally guarantee these calves.

L. R. FANSLER 407 So. 16th St., Independence, Kansas.

Hillcroft Farms Jerseys headed by Queen!

announced the best bred Jersey bull in Missouri, a Register of Merit son of Raleigh's Fairy Boy, the greatest bull ever imported, 84 tested daughters, 86 tested granddaughters and 34 producing sons. Choice bull calves for sale. Reference Bradstreet.

M. L. GOLLADAY, PROPE, HOLDEN, MO. REGISTERED JERSEY BULL CALVES, sired by Oakland's Sultan 2nd, \$50. PERCY LILL, MT. HOPE, KANSAS.



JERSEYS

The Cows for the Working Farmer

Always on the job to produce for profit, not to run up excessive feed bills—that's Jerseys! You feed a Jersey for her udder. She can make a dollar's worth of feed go farther and yield a greater return than any other breed. Her milk averages 5.37% butter fat. The market pays more for Jersey milk, Jersey butter, and Jersey cheese. If you want Price-Prize-Profit cows, don't hesitate—get Jerseys. Let us send you "Profitable Facts about Jerseys." It is a free booklet with hundreds of valuable points and information.

The American Jersey Cattle Club, 322-1 West 23rd Street, New York, N. Y.

good and that they had scattered some good brood sows over their territory that would result in much good in future sales.

Field Notes

BY JOHN W. JOHNSON

H. P. Gfeller & Son, Chapman, Kan., recently purchased the good white Scotch bull White Sultan from E. P. Flanagan of Chapman. White Sultan is by Sultan's Pride and from a cow of the Flora family. He should do much good in the Gfeller herd. At this time Mr. Gfeller is advertising 2 Scotch-topped bulls priced within reason.—Advertisement.

J. O. Southard's annual spring sale of 200 Herefords is April 5 and the sale will be held at his farm joining Comiskey, Kan., about 12 miles east of Council Grove on the Santa Fe trail and the main line of the Missouri Pacific. The big catalog is ready for free distribution and you should write for it at once and mention the Kansas Farmer and Mail and Breeze when you write. Mr. Southard will appreciate this as he likes to know where you saw his advertising.—Advertisement.

William Wales & Young, Osborne, Kan., offer their great Shorthorn herd bull, a 2200-pound grandson of Avondale and bred to Tomsons because they can't afford to sell a string of his splendid heifers. Bulls like him are rarely for sale. If you are in the market for a real herd bull you are going to be interested in this great sire. They also offer five or six young fellows, the best they ever raised from eight to 12 months old. For full particulars about breeding and prices address William Wales & Young, Osborne, Kan.—Advertisement.

A. M. Dull & Sons, Washington, Kan., are advertising Percherons, stallions and mares, in the horse department of this issue of Kansas Farmer and Mail and Breeze. They have for sale or exchange for another as good, a valuable imported herd stallion. They are keeping a string of young fillies sired by him and must sell him. The Dulls are well known Percheron breeders who stand back of all business promises and are nice men to deal with. Write them for prices quick as they will not advertise them long.—Advertisement.

Eastern Kansas Shorthorn Sale

The Eastern Kansas Shorthorn Breeders Association will hold their sale at Ottawa, Kansas, March 24 under the management of F. Joe Robbins. There will be fifty head of good cattle including many Scotch females as well as some good Scotch bulls. That part of the offering which is Scotch-topped comprises some very choice individuals. The offering of open heifers is especially strong. Look up the advertisement of this sale in this issue and notice the good herds from which these cattle are consigned. The time is short so do not write for catalog but get on the train and attend the sale. You will not be disappointed in the quality of the cattle offered.—Advertisement.

Kansas Hereford Breeders' Sale.

The Kansas Hereford breeders' annual spring sale will be held in the association sale pavilion, Alma, Kan., Friday and Saturday, April 16 and 17. Chas. Henderson, Alma, Kan., is the association sale manager and would like to have your name and address at once for the catalog which will soon be ready to mail out. Write for it right now. The Kansas Hereford Breeders' association realized early that the way to build solidly for the Herefords was to offer nothing but cattle of real merit in these association sales. Nothing will be fitted especially for the sale but on the other hand they will be in just very ordinary condition. There will be something there for everybody. It is going to be a big sale of around 250 cattle, consisting of a lot of good useful bulls and females. The consignors are not expecting big prices but hope to distribute a lot of good useful cattle at prices that will be satisfactory to both seller and purchaser. Look up the advertisement in the Hereford section of this issue of Kansas Farmer and Mail and Breeze. Mention this paper when you write.—Advertisement.

Northwest Kansas Shorthorns.

The spring sale date for the Northwest Kansas Shorthorn Breeders' association is April 28 and the sale will be held in Concordia, E. A. Cory, Talmo, Kan., is the association sales manager and has asked me to urge every consignor to get his pedigrees in at once as it will be necessary to go to press with the catalog soon. Please write Mr. Cory at once. Another big consignment of real Shorthorns will be sold on this date at Concordia and is made up of drafts from around 20 of the best herds in this big association. Remember the date and the place. You better write E. A. Cory, Talmo, Kan., right now for the catalog. The night before

LIVESTOCK AUCTIONEERS AND SALE MANAGERS.

Bell M. 2121 Res. W. 5089



P.M. GROSS
Auctioneer
1033 BROADWAY
Kansas City, Mo.

W.B. Carpenter Real Estate Auctioneer

President of largest auction school in world. Special four weeks term opens soon. Auctioneers are making big money everywhere. Write today for 67-page annual. It's free. Address 818 Walnut Street, Kansas City, Missouri.



JOHN D. SNYDER
HUTCHINSON, KANSAS

Experienced auctioneer. Pedigreed livestock and big sales of all kinds.

FRED L. PERDUE, DENVER, COLO. REAL ESTATE AUCTIONEER
OFFICE: 320 DENHAM BUILDING, DENVER, COLO.

Homer Rule, Ottawa, Kan. Specializing in purebred sales. Secure your date early. Address as above.

Jas. T. McCulloch, Clay Center, Kan. By reputation is built upon the service you receive. Write, phone or wire.

HORSES AND JACK STOCK.

Purchase Percherons

INCREASED FEES Owing to the greatly increased cost of clerical help, printing, paper and supplies of all kinds, in addition to the necessity of doing more publicity work, our directors voted to increase registration and transfer fees, beginning March 1, 1920.

It costs members \$5.00 and non-members \$10.00 to register American bred animals before June 1 of the year following date of foaling. It costs members \$7.00 and non-members \$14.00 if entered for record after June 1, and before September 1. If entered for record after September 1, of the year following date of foaling, and before three years of age, members \$10.00 and non-members \$20.00.

Send in your applications early. Write for information regarding transfer fees. Address

Percheron Society of America
WAYNE DINSMORE, Secretary,
Exchange Ave., Union Stock Yards, Chicago.

PERCHERON STALLION FOR SALE

Am going out of the horse business and offer at a very reasonable price my registered Percheron stallion "Roy Englewood 110083". A beautiful dappled grey, 5-years-old, medium size, sound, almost perfect individual, good breeder, well broken to all kinds of farm work. Write for price and pedigree or come and see the horse at my farm 4 miles north and 2 miles west of Halstead, Kansas.

R. A. ROSS, R. 3, BURTON, KANSAS

Stallion and Jack for Sale

Imported Percheron, dark dapple gray, 7 years old, weighs 1950, plenty of action, gentle, Knox Napoleon, dark brown jack with mealy points, 15 hands, weighs 950. Will prove both these animals fertile under the microscope. For particulars write,

HENRY MOORMAN, SOLOMON, KANSAS

Jacks and Jennets

15 large mammoth black jacks for sale, ages from 2 to 6 years; large, heavy boned. Special prices for early sales. Twenty good jennets for sale. Come and see me.

Phil Walker, Moline, Elk County, Kansas

Good Percheron Stallions

Three coming 3-year-old stallions, good individuals with size and quality, best of breeding. Pedigree, state license and certificate with each horse. Come and see them or write for photos.

A. H. TAYLOR, R. 4, SEDGWICK, KAN.
Briggs Station on Interurban from Wichita, Newton or Hutchinson.

Coburn Farm Percherons

Percheron Mares and Stallions—all blacks. Mares, yearlings up to mature ages. Stallions, yearlings, two-year-olds and one extra 6-year-old, a ton horse. Two-year-olds weighing 1,800.

Mahlon Groenmiller, Pomona, Kansas, (Franklin Co.)

Percherons—Belgians—Shires

State Fair prize-winning stallions and registered mares bred to Champion stallion for sale. Also extra heavy black Mammoth Jacks.

Fred Chandler, Rt. 7, Charlton, Ia.

Jacks and Stallions

5 Jacks, good ones from 3 to 4 years old. Also choice bred Jennets; 2 good Percheron Stallions. Farm 20 miles northeast of Topeka, in Jefferson county.

M. G. BIGHAM, OZAWKIE, KANSAS

Registered Percheron Stallion

For sale, Marquis of Lyon 117899, coming 6 years old, well bred, a ton horse, black, good individual and quiet. Priced to sell.

C. W. SCOTT, KINSLEY, KANSAS

Bargains for 30 Days

Valuable imported herd stallion for sale 1920; or exchange. Four young stallions and six mares for quick sale.

A. M. Dull & Sons, Washington, Kansas.

BIG BONED, BLACK JACK FOR SALE

White points, 1000 pounds when fat, quick server on mares or jennets or both same hour.

C. A. WHITON, KIOWA, KANSAS

FOR SALE—A coming 3-year-old registered Percheron stallion, weight 1800 pounds, priced right. Pleasant View Stock Farm, Halloran & Gambrill Ottawa, Kansas.

STALLION FOR SALE

One reg. Percheron stallion, black, 5 years old, 1800 lbs., plenty of action, gentle, good breeder. Address Box 32, Wayne, Kansas.

REGISTERED PERCHERON STALLION FOR SALE

Five years old, good one, broke to work.

E. M. McCAUL, ELK CITY, KANSAS.

Priced to Sell

1 registered Percheron stallion, weight 2000 pounds. 2 mammoth jacks, 15 hands high. WHITE & LAMB, PAWNEE ROCK, KAN.

Five Registered Percheron Stallions

for sale. 1 coming 5 years; 2 coming 4 years; 2 weanlings. All blacks. F. J. Bruns, Nortonville, Kan.

Big, Black, Mammoth Jennets for Sale

at a bargain. John A. Edwards, Eureka, Kan.

Jack and Stallion for Sale or Trade

What have you? H. W. Morris, Altamont, Kan.

GALLOWAY CATTLE.

Reilly Galloways

Won both grand championships at Denver 1920; first aged herd at the International 1919. For sale, 10 bulls coming two; two 2-year-old herd bull prospects; 60 select females all ages.

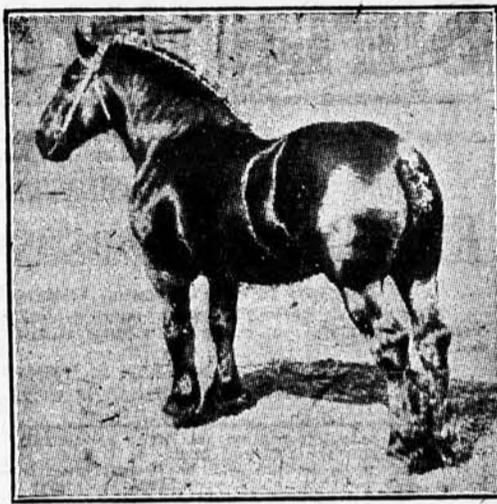
Jno. P. Reilly & Sons, Emmett, Kansas

Closing Out Sale of Percheron Horses

I Will Sell My Entire Herd of Percheron Horses

34 Head 14 Stallions and 20 Mares

Homestead, Okla., April 6, 1920



THE NATIONAL GRAND CHAMPION ENOS NO. 76634 is included, together with all my great brood mares that have won First, Champion and Grand Champion prizes at the state fairs and national shows. Together with these mares go their colts produced the past years. Colts sired by ENOS; mares in foal to him. Some with colts by side and bred again. ALL FILLYS 3 years old are bred. An opportunity of a life time to procure at your own price a great sire as well as show horse.

ENOS SIRE CRESCENT, First, Senior American Champion mare and Grand Champion American bred mare at 1919 Kansas National Defeating a daughter of Casino and Jr. Champion filly sired by Carnot.

HELEN BLAZES, MAGDALENE, ROSALIND QUEEN, and CRESCENT ALL SELL. Cadet, a black 4-year-old son of Enos and out of Queen, Hamlet, a dark gray 3-year-old son of KOULETT (an imported son of CARNOT) and out of a BESIQUE mare. JALAP BOUNCER, a 2-yr. old son of JALAP and out of JOSEPHINE. ENOS BLAZES, a 2-yr. old son of ENOS and out of HELEN BLAZES. These are great prospects and HERD HEADERS.

If you are on the market for a great sire or show horse, A GREAT BROOD MARE, SHOW MARE or work mare attend this sale. THIS IS YOUR OPPORTUNITY. POOR HEALTH AND NEEDED REST MAKES THIS SALE IMPERATIVE.

Homestead is in the north part of Blaine Co. on the Rock Island R. R., 85 miles Northwest of Oklahoma City, 65 miles South of Alva, 50 miles West of Enid. Frisco trains will be met at Okeene and Rock Island trains at Okeene and Homestead. Catalogs only sent on request.

A. D. Outhier, Homestead, Okla.

Auct.: Col. John D. Snyder. Ringmen: Odelle, Royce and Gile.

Bargains In DRAFT STALLIONS

Our horse barns have been torn down to make way for city residences. We have a few high-class Belgian, Percheron and Shire stallions for sale right. We offer special inducements to dealers who can handle them all. Now is the time to push the draft stallion business. Horses were never so scarce.

Woods Bros. Co., Lincoln, Neb.

A. P. Coon, Manager



Not Holding Our Annual Sale

this year so we offer at private sale a number of well bred Jacks and Jennets at very reasonable prices. We can please you in what you want. Will be glad to hear from any prospective buyer. Meet you in Sedalia and bring you to the farm if notified.

L. M. Monsees & Sons, Smithton, Mo.

Props. Limestone Valley Farm, Pettis County.

20 BIG, REGISTERED BLACK JACKS

Ages from 2 to 8 years. Height from 15 to 16 hands. Can show more bone and weight than anybody. In October we shipped a carload of the finest big registered jacks we could find in Tennessee to our farms. They are acclimated now and ready to make good.

We also have several 15 and 16-hand that have made stands here on our farms. We can show colts or mares in foal. Must sell this stock this season. We can ship on the Santa Fe, Missouri Pacific or Frisco. Address, J. P. Malone, Lyons, Kan., (new location) or M. H. Malone, Chase, Kan. Will meet trains at Lyons or Chase.



Home of The Giants

50 Jacks—100 Jennets

All black, all registered, all guaranteed as represented. The low down, big-bone kind. We can show you what we advertise.

Bradley Bros., Warrensburg, Mo.
65 mi. east K. C. main line Mo. P.

EWING BROS.' PERCHERONS AND SHORTHORNS

Some extra good stallions and mares. Meknes 106640 (106084) in service. Village Knight 1398231 herd header. Stock for sale.

EWING BROS.

1438 12th St., Great Bend, Kansas
R. 1, Pawnee Rock, Kansas

For Sale—Two Percheron Stallions

three and four-years-old, both from imported sire and dam, bay and dark brown, exceptionally fine individuals. Reasonable priced.

H. W. SCOTT, ROUTE 1, ROZEL, KANSAS

Percheron Stallion

6-years, dapple gray, 2100 pounds, sound and a proven sire. \$750 cash if taken before April 10. Will con sider Jack or stallion in trade.

ADAM BECKER & SON, MERIDEN, KAN.

Northern Kansas Hereford Breeders Association

Announcing Their Annual

Spring Bargain Sale

A big two days' sale of 145 Herefords drawn from the good herds that are members of this association.

In the sale pavilion, rain or shine,

Blue Rapids, Kansas, April 6 and 7

145 lots in this big sale. 75 females and 60 bulls.

Cows with calves at foot, cows to calve soon, two-year-old heifers, yearling heifers. Many of the heifers are old enough to breed but are sold open.

20 YEARLING BULLS, 31 TWO-YEAR-OLD BULLS.

J. A. Howell, Herkimer, Kan., is dispersing his herd of 41 head in this sale.

This sale affords an excellent opportunity for breeders looking for bargains in both females and bulls. It is the annual spring sale of this association and every animal will be in just good breeding condition. But few sections can boast of more prominent Hereford sires than northern Kansas. It is an old established Hereford territory. Don't miss this sale if you want your money's worth. Farmers are especially urged to be at this sale if you need a bull that will improve your herd.—J. W. Johnson, fieldman, Capper Farm Press.

For catalogs address,

C. G. STEELE, SALE MANAGER, BARNES, KAN.

Auctioneers—P. M. Gross, Drybread, Gordon.

Thad Mendenhall, Fairbury, Neb., sells April 8, Kuhlman Bros., Chester, Neb., April 9. Good R. R. connections.

Mention the Kansas Farmer and Mail and Breeze when you ask for the catalog.

Carl Behrent's Annual Sale

A draft sale of Herefords and Poland Chinas from the
Prairie Valley Breeding Farm, Oronoque, Kan.

sale in the pavilion,

Norton, Kansas, Saturday, April 3



Anxiety Herefords Big Poland Chinas



The entire offering consists of 55 head. This includes 10 good bulls from 1 to 2 years of age, and there are some good herd-bull prospects in the lot. Also listed are 15 yearling open heifers, mostly sired by Grover Mischief 558624, some by Beau Mischief 6th and Dainty Domino, out of straight Anxiety-bred dams; and some out of Beau Mischief cows. The heifers are one of the most useful lots that will be found in a public auction in Northwest Kansas this year.

My hog offering consists of four tried sows, 16 spring gilts, five fall gilts and five fall boars. These are good—keep them in mind.

Norton is on the main line, Rock Island west from Belleville and all trains stop there.

Catalogs are now ready and will be mailed upon request to

Carl Behrent, Oronoque, Kan.

Auctioneers: E. D. Snell, C. H. Payton, J. W. Johnson, fieldman.

Mention this paper when you ask for catalog.

Geneseo Herd Holstein Friesians

Moving From Waterloo, Ia., to Hilton, Colo., (Santa Fe R.R.)

120 Head in Herd. Cows with records up to 35 pounds. We want to sell 50 bulls this year in Colorado and Kansas, all ages and prices. Get in touch with us if you are in the market.

34 Years of Continuous Breeding.

McKay Brothers, P. O. Caddoa, Colorado

THE LAST ONE

We are now offering the last son of old Gem Pietertje Paul De Kol 3rd. He is a little more black than white, a splendid individual in every way. He is just 2 years of age.

His dam has a record of 19 pounds butter made at 9 years of age and from three-quarters of an udder. She has a 25-pound daughter, full sister to the bull.

His sire, Gem Pietertje Paul De Kol 3rd has 40 A. R. O. daughters and one with 24 pounds butter in 7 days—another has 30 pounds—two others have over 29 pounds. He has more high record daughters for both 7 days and a year than any other Kansas bull.

Remember this young bull is sister to a 34-pound cow, to a 30-pound cow, to two 29-pound cows, to 4 cows with above 750 pounds in a year, and is full brother to a 26-pound cow.

He has one fault. The ring has been torn out of his nose. However, we can still put one in so that he can be handled. He is a valuable animal, but we are pricing him at only \$350 for quick sale. Better wife if you want him or someone else will. We also have bull calves of various ages and various prices. Tell us what you need.

STUBBS FARM CO., Mark Abildgaard, Mgr., Mulvane, Kansas

the sale the annual meeting and banquet will be held at the Barrons hotel in Concordia and members and their friends and anyone interested in Shorthorns are invited to attend this big Shorthorn meeting. If you are not a member write Secretary Forrest Booker, Beloit, Kan., and he will enroll you for one year for \$1. Send him your dollar and he will send you by return mail your membership card good for a voice in this big meeting and all the privileges of the association for one year. The sale will be advertised in the Kansas Farmer and Mail and Breeze in a short time.—Advertisement.

Behrent's Annual Hereford Sale

Carl Behrent, Oronoque, Kan., Norton county, is advertising his annual spring sale of Herefords and Poland Chinas in this issue of the Kansas Farmer and Mail and Breeze. The date is Saturday, April 3 and it is a draft sale from Mr. Behrent's well known Prairie Valley breeding farm which is located west of Norton at Oronoque on the Republican City, Neb., and Oberlin, Kan. branch of the Burlington and the main line of the Rock Island. Both of these roads have good service in and out of Norton which is the biggest little town in the world. In this annual sale Mr. Behrent is selling about 55 Herefords and 21 Poland China bro sows and gilts. There will be five November boars and five November gilts. Some of the gilts will have litters sale day and a few of them bred back. This is not a clean-up sale but a draft sale of choice breeding animals. Those familiar with Hereford affairs know of Mr. Behrent's great show and breeding bull Grover Mischief. A nice lot of the heifers are by this famous bull and others of the offering are bred to him. It is a nice offering with a predominance of Anxiety blood not found in many sales. The catalog tells the story and is ready to mail upon request. Write Mr. Behrent today and mention this paper.—Advertisement.

The One Big Holstein Sale

The Holstein-Friesian Association of Kansas with its big membership of over 200 Kansas breeders is the most talked of breeders association in the west. The reason is because it is active and doing something for the breed the year round. Next Thursday and Friday are the dates of their annual meeting and sale at Topeka and 150 head will be sold. There are 20 or 30 of the most prominent breeders in the association consigning and W. H. Mott, the well known sales manager has stated that this sale is "the sale of sales" and in it is the greatest opportunity for the established breeder and for the beginner of any sale. This association was organized to further the interests of the breed in the west and to popularize it and to do this it is necessary to sell the kind that are sure to prove profitable. In this sale I am sure that each consignor is consigning cattle that he would rather keep but has consigned them with the idea of doing his part to popularize Holsteins to an even greater extent than at present. The advertisement appeared in the last two issues of Kansas Farmer and Mail and Breeze and you are advised to look up the last issue in particular if you are interested in Holsteins. You probably have already written for the catalog but if you have not, go anyway and get your copy there. Thursday evening the Topeka Chamber of Commerce will entertain the visiting Holstein-Friesian breeders and their friends and families at the club rooms. An excellent program and banquet will be served. You are invited. Remember the sale is next Thursday and Friday, March 25-26.—Advertisement.

BY J. COOK LAMB

A Monumental Sale.

Shellenberger and Andrews are endeavoring to make their twentieth annual sale an event of national importance in the progress of improved Shorthorns in the West. Both firms have been prominent as breeders and improvers of the breed for a quarter of a century. For this event they are listing a superb lot of cattle, both as to blood lines and individuality. Their list consists of 76 cows and heifers and eight bulls. It is not often such a number of strictly high class cattle are offered in one sale and it should be a great opportunity for those wishing to improve their herd to make selections. The females are of faultless pedigrees and the results of using such great bulls as Gainford Marshal and Royal Supreme cannot fail to please admirers of the breed. Gainford Marshal is recognized as one of the greatest bulls living of the Shorthorn breed. He is great as a show bull but greater still as a sire. Mr. Shellenberger is selling 15 calves and heifers by him, five bulls and 10 heifers besides a number of lustrous calves at foot. Ashbone Choice was second at Denver in a class of 52 entries, and bids fair to be a champion bull next year. Golden Measure and Clematis, a great pair of show yearlings, both roans and rich in breeding and quality. A long lot of good ones of rare breeding is listed in the catalog. Mr. Andrews is selling two Clippers, one by Gainford Marshal, one by Rosewood Sultan 2nd, Sunny Bling 18th, in calf to Royal Supreme, is one of the greatest cows ever sent thru an auction. An outstanding cow is Mary Lass 12th by Gainford Select and imported Mary Lass. Madame Clematis is a beautiful show type. Three great Clara cows are Clara Rosewood by Rosewood Sultan 2nd, Lady Douglas 16th and an outstanding heifer. There will be a great lot of cattle sold in the two days. A splendid banquet and entertainment the night of the 15th. Cambridge knows how to entertain cattle men. Get the catalog and arrange to attend the sale.—Advertisement.

BY J. T. HUNTER

C. W. Scott, Kinsley, Kansas, will include several good Shorthorns and a Percheron stallion in his farm sale to be held March 25. Look up his display advertisement in this issue and be on hand if there is anything listed you can use. Farm sales always mean bargains and you will be repaid for the trip if you can use some of this good stock.—Advertisement.

J. P. Ray & Sons Sell Shorthorns

J. P. Ray & Sons, Lewis, Kan., hold their third annual Shorthorn sale at Lewis, Kan., Tuesday, March 30 (see ad in this issue). The offering consists of 34 head, 26 bulls and 8 cows and heifers. The bulls run from 10 to 18 months old. They are good colored and in nice breeding condition, are well grown and carry the blood of some of the best popular families. Present herd bulls are: Cumberland Hero, a son of Cumberland Diamond and out of a Victor Orange Cow; Victorious, another well bred Cumberland Diamond bull. The dams are strong in the blood of Imp. Collyne, Gallant

HEREFORD CATTLE.

Southard's Big Sale 200 Herefords

For Beginners and Breeders

A special feature will be cows and heifers in lots of 10, 15 and 20 mated with the right bull to make the best cross. Sale in pavilion at farm joining

Comiskey, Kan., April 5

Write for the sale catalog at once. Help name four sons of Monarch. \$200 in cash prizes. Explained in the catalog. Address,

J. O. Southard, Comiskey, Kan.

Hereford Invitation

Kansas Hereford Breeders Association annual spring sale.

Association Sale Pavilion

Alma, Kansas, April 16-17

All consignors are members of the big Kansas association. Let us have your name and address for the catalog at once. Address,

CHAS. HENDERSON

Sale Manager Alma, Kan.

Mention Kansas Farmer and Mail and Breeze when you ask for catalog.

Blue Ribbon Stock Farm

HEREFORDS

200 cows, heifers and bulls—200. Chief herd sire, Don Balboa 14th 596021 by Don Carlos, a bull with over 40 Gudgell & Simpson crosses. Mated with 60 two-year-old heifers sired by Sir Dare 417529 by Paragon 12th. We have what you want and the prices are in line.

Lee Bros., Harveyville, Kan.

Wabaunsee County

Southard's Monarch Herefords

Write for my new mail order plan for selling Monarch Herefords.

You get the best, express prepaid, you to inspect animals before you pay.

200 Head in my big Spring sale Monday, April 5. Write now for catalog. Attend the sale and help name four Monarch bulls. \$200 cash prizes. Catalog tells all about it.

Mention this paper.

J. O. SOUTHARD, COMISKEY, KAN.

PLEASANT VIEW STOCK FARM

Herefords, Percherons, Duross

For sale. Five bulls from 10 to 12 months old, by Dominator by Domino. A nice string bull calves and six bred cows. A nice young stallion. Address,

Mora E. Gideon, Emmett, Kan.

(Pottawatomie county)

\$200 IN CASH PRIZES

for four best names for four sons of Monarch. Awards morning of my big annual spring sale.

Comiskey, Kan., April 5, 1920

Write for my sale catalog that tells the story. 200 head in this big sale. Ask for my new mail order plan. Address,

J. O. SOUTHARD, COMISKEY, KANSAS

Anxiety and Fairfax HEREFORDS

Females bred to sons of Bright Stanway and Perfection Fairfax. Herd heifer bulls ready for service. Open heifers. Write today to

J. R. GOODMAN, WHITE CITY, KAN.

Discriminating Hereford Buyers We Offer NOW

12 coming yearling bulls, Columbus, Anxiety strains. Bredy character and proper conformation. Unpampered but in better than pasture condition. 7 registered, 5 unregistered, but equally well bred. All high class farm bulls.

If you want one or more of the 12 yearling bulls write now to W. C. Cummings, Hesston, Kan.

Registered Hereford Bulls

I have a nice lot of young bulls for sale very reasonable. Address **HENRY L. JANZEN, Lorraine, Kan.**

AYRSHIRE CATTLE.

CAMPBELL'S AYRSHIRES

Young Ayrshires, both sex, bulls ready for service, heifers bred or open. Finlayston and Armour strains.

ROBERT P. CAMPBELL, ATTICA, KAN.

Knight, Choice Goods, and other great bulls. The farmer, ranchman and breeder will have opportunity here to get splendid herd bull prospects. Quality considered, these cattle should go at reasonable prices. Write to clerk L. P. Weaver, Lewis, Kan., for a catalog. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

Angus, Both Sexes, For Sale

W. L. Maddox, Hazelton, Kansas, has been breeding purebred Angus cattle for 20 years. During this time he has scoured the herds of Missouri and Iowa for the best bulls obtainable. Chief among the bulls which have been used are Elder Eriola, Embree, Brian and Farmer City Best. At this time Mr. Maddox is offering for sale 20 registered cows and 8 registered bulls. Look up his advertisement in this issue for the listing of the ages. You will find some attractive individuals and attractive prices in this offering.—Advertisement.

BY O. WAYNE DEVINE

W. H. Zimmerman of Cameron, Mo., has consigned to the Kansas Holstein sale on March 25 and 26 at Topeka, Kansas, six 2-year-old registered heifers and four young cows, all of very fashionable breeding. These cows and heifers will be bred to the great herd bull now used in the Zimmerman herd Autrim Pride Sir Woodcrest, No. 284434. Look up this bull in advertisement in this issue. When you attend the sale, look these cows and heifers over. They are very fashionably bred and consigned from one of the good herds in Missouri.—Advertisement.

Home of the Giants

The Bradley Brothers of Warrensburg, Missouri, have announced that they will not hold any spring sale this year. They will offer at private sale, a few well grown ready to use Jacks. They are of the low down big bone kind. The Bradley Brothers have about 100 head of Jacks on their farms and they are widely known as the Home of the Giants. They grow most all the Jacks they handle on their farms. They are cared for in a way that insures their future usefulness. They are well broke and ready to use when they leave their farms. Their card ad appears in this issue. Please look it up and if interested in Jack stock, please write or see their herd. Kindly mention this paper.—Advertisement.

BY S. T. MORSE

Look up the ad of C. Shobe & Son, Appleton City, Mo., if you are interested in good big type Polands. They offer an attractive lot.—Advertisement.

A. M. Markley & Son, Mound City, Kansas, are advertising big type Polands in this issue. Look up their ad if you are interested in the real big type as they are pricing them at farmers' prices. The gilts offered are big, roomy individuals that will make good producing sows and the fall pigs are also good. The sire of the fall pigs is Kansas Mastodon and he is not only a great hog as an individual but is siring the kind that will improve the breed. Write the Markleys if you can use a real big type Poland.—Advertisement.

Knox Knoll Shorthorns at Independence.

The Knox Knoll Farm, owned by S. M. Knox, Humboldt, Kan., consigne to the S. E. Kansas Breeders' association sale at Independence, Kan., one yearling show bull and one yearling show heifer by Knox Knoll Dale, half brother of the grand champion Violet's Dale. This young bull was junior champion at the local fairs at Iola, Chanute and Humboldt last fall. He is a beautiful thick fleshed roan and is right in every way. Anyone needing a first class bull should take a look at this fellow before buying. Mr. Knox also consigne four young show cows (winners at the county fairs) and bred to the \$1,000 Scotch Cumberland Scotch Cumberland, formerly at the head of John Rogers herd at Whitewater, Kan., is a great breeding bull. At the recent show and sale at Wichita five of Scotch Cumberland's calves sold for \$3,225, an average of \$645 per head, and all of them were inside the money at this show. These good young cows bred to Scotch Cumberland should be attractions in any sale. For full particulars about these good cattle address S. M. Knox, Humboldt, Kan.—Advertisement.

Shorthorns Sell at Independence, Kan.

Eighty head in sale. The Southeast Kansas Shorthorn Breeders' association will hold their annual spring sale at Independence, Kan., on Friday, April 2, 1920. Eighty head of good cattle, selected from the best herds of Southeast Kansas will go in this sale; 20 good bulls from 10 to 18 months old, including several choice herd bull prospects, will be sold; 60 females, a big per cent of them heifers, many of them bred. The rest of the offering are all good ages. No old cows will be offered. All these cattle are good and are in good condition but not in show flesh. G. A.

HOLSTEIN CATTLE

Nemaha Valley Stock Farm

Registered Holstein-Friesians. One of the first government accredited herds in Kansas and one of the largest in the list. Young bulls for sale by Pontiac Beauty de Kol Segis 139642. His dam, as a 3 year old, made nearly 29 lbs. in 7 days and 114.63 lbs. butter and 2587.9 lbs. milk in one month. His grand-sires are King Segis and King of the Pontiacs. Address H. D. Burger, Proprietor, Seneca, Kansas

Registered Holstein Bulls

1 yearling, \$135; 1 calf, 4 months, \$60. Both are grandsons of King Pieter 66771 that has sired 42 A. R. O. cows. W. H. WILLIAMSON, RAYMOND, KANSAS

THIRTY HIGH GRADE HOLSTEINS

Cows and 2 and 3-year-old heifers, fresh and springers, cheap if taken soon. JERRY HOWARD, R. 2, MULVANE, KAN.

HOLSTEIN OR GUERNSEY CALVES

either sex, 4 to 6 weeks old, \$30 each; express paid by us. Write for particulars. Spreading Oak Farm, R. 1, Whitewater, Wis.

PUREBRED HOLSTEIN HERD BULL

5 years old, weight 2690. Will sell cheap or trade for young heifers or calves. W. W. EDDY, HAVENSVILLE, KANSAS.

FOR HIGHLY BRED HOLSTEIN CALVES Heifers and bulls, 6 to 8 weeks old, beautifully marked from heavy producing dams, \$30 each. Safe delivery guaranteed. Fernwood Farms, Whitewater, Wisconsin

Holsteins Are Making the West a Dairy Country And Cashing Farm Feeds for the Highest Dollar

Sunflower Herd Holsteins

The better class of females headed by a great sire. Stock for sale at all times. Write your wants and I will send particulars. F. J. Searle, Oskaloosa, Kan.

Harry Mollhagen, Bushton, Kan.

In our herd are 18 cows with an average of 22.77 pounds butter in seven days. Bull calves from dams with records from 22 to 28 pounds. Health of herd under federal control.

Ben Schneider, Nortonville, Kansas

Six Holstein bulls, 6 months old to yearlings; 1 from 25-pound, 1 from 21-pound cow; 1 from 17-pound 2 year old. Priced to sell. Duroc gilts priced right.

Chas. V. Sass, 409 Minn. Av., Kansas City, Ks.

10 registered cows and heifers, also 30 grade cows and heifers. 10 registered bulls, three months to three years old. Registered cows \$175 per head up. Grade bred heifers \$125 up. Bull calves \$100 and up.

Windmoor Farm Holsteins

For sale—Bull calves sired by 80-lb. son of Johanna McKinley Segis and out of good dams; \$50 and up. For particulars write CHAS. C. WILSON, MANAGER, EDNA, KANSAS.

SPLENDID 30-lb. BULL

Old enough for light service; straight; mostly white, beautifully marked. Sire, one of best sons of King Of The Pontiacs and a 1st prize winner at Kansas National Dam, 30-lb. cow holding state record. Price \$750. Axtell & Hershhey, Newton, Kansas.

P. W. Enns & Son, Newton, Kan.

As we will keep purebreds only in future our high grade cows and 3 heifers will sell to first applicant. Dams of these grades made from 13,000 to 16,000 pounds milk.

R. E. Stuewe, Alma, Kan.

For sale—10 cows with A. R. O. records. Five bulls 10 mo. old, five two-year-old heifers and five yearlings.

SPRING BARGAINS

Young A. R. O. cows, some fresh milking 50 to 85 lbs. One from 44-lb. bull Johanna McKinley Segis (dam Johanna De Kol Van Beers). Herd t. b. free for 4 years. Cows good condition, mostly white, very tidy. Write Victor F. Stuewe, Alma, Kan.

W. J. O'Brien, Tonganoxie, Kansas

an experienced auctioneer, specializing in Holstein sales, and breeder of registered cattle.

J. A. Jamison & Sons, R. D. 2 Leavenworth, Kan.

Southside Holstein Farm. Herd sire: King Korn-dyke Akkrummer Ormsby \$1.11 lb., 7 day record. Has full sister with 39.67 lb. Few of his calves for sale.

W. E. Zoll & Son, R. D. 6, Leavenworth, Kan.

Two very well marked registered bulls for sale. Ready for light service. Priced right.

C. A. Trell, Bonner Springs, Kan.

I offer for sale my 30 pound herd bull, King Peter 18. He is nearly white, five years old and sold fully guaranteed. Write at once.

Dr. L. E. Shay, Atchison, Kansas

For Sale: Registered Holstein yearling heifers and 2 royally bred bulls from A. R. O. dams, and old enough for service.

Advertisers in this Department are Members of the Holstein-Friesian Association of Kansas.

G. B. APPLEMAN, Pres., Mulvane, Kan.

P. W. ENNS, Vice-Pres., Newton, Kan.

A. S. NEALE, Sec'y-Treas., Manhattan, Kan.

W. H. MOTT, Sale Mgr., Herington, Kan.

Annual meeting and two days' association sale, Topeka's big, modern sale pavilion, Topeka, Kan., March 25-26.

SAND SPRINGS FARM

Specialize in long time test—persistence means profit. Several young males from record cows. No grades. Herd sire Prince Ormsby Pontiac Mercedes from 32-lb. daughter of Sir Pieterja Ormsby Mercedes. E. S. ENGLE & SON, ABILENE, KAN.

Geo. L. Allgire, Clay Center, Kan., R. D. 8

Farm near town. Individual production rather than numbers. Something to offer later on.

J. P. Mast, Scranton, Kansas

Cows and heifers all sold. Only one bull left. He from heavy producing ancestry.

Dr. W. E. Bentley, Manhattan, Ks.

For Sale—3 heavy grade springers; 1 young heavy milker, fresh, registered.

Ross' Holsteins

Bull calves by Hamilton Prilly 5th whose dam made a record of 28.49 lbs. butter in 7 days, 108.8 lbs. in 30 days. Pictures sent on application. S. E. BOSS, R. 4, IOLA, KANSAS

Hillcrest Farm

A few young bulls out of A. R. O. dams ready for service this fall. Inspection invited. FITZGERALD, PETERSON & WEDDLE, Jamestown, Kansas

Geo. Lenhart, Abilene, Kansas

All bulls of serviceable age sold. A few calves sired by a grandson of King Segis and a few cows for sale.

PERSISTENCY IN PRODUCTION

The dam of Vanderkamp Segis Pontiac, our herd sire, is the youngest cow in the world to have five records to average over 34 lbs. Young bulls, show individually, by this sire and from A. R. O. dams for sale. COLLINS FARM CO., SABETHA, KAN.

A. S. Neale, Mahattan, Kan.

Holsteins of quality. Write your needs as I can supply them if they call for purebreds.

C. A. Branch, Marion, Kansas

Clear Creek Holsteins—Females all sold for the present. Still have some real bargains in young bull calves from heavy producing A. R. O. cows. Buy your sire young. You can raise him as cheaply as we.

Braeburn Holsteins

Bulls and bull calves. One sire has a world-record dam and sire's dam; the other averages 648-82.03 for dam and sire's dam. H. B. COWLES, 008 Kan. Ave., TOPEKA, KAN.

We Have a Number of Holstein

Cows and heifers for sale; purebred and registered; all ages. Serviceable bulls all sold. Lilac Dairy Farm, R. 2, Topeka, Kan.

Shunga Valley Holsteins

Why not buy some of these fine heifers (calves to 2-year-olds). Granddaughters King Segis Pontiac and Konigen; from heavy producing high-grade dams. A. R. O. bulls, calves to ready for service. Ira Romig & Sons, Sta. B., Topeka, Kan.

THE CEDARLAWN HOLSTEIN FARM

Bull calves for sale sired by King Segis Pontiac Repeater 210981 and from good A. R. O. dams. Prices reasonable. T. M. EWING, INDEPENDENCE, KAN.

Albechar Holstein Farm

For Sale: A few good purebred heifers, mostly bred to our great herd sire, King Korn-dyke Daisy Sadie Vale. Robinson & Shultz, Independence, Kansas

Mott Bros. & Branch, Herington, Kan.

No females for sale. Choice 10-month bull by Duke Johanna Beets out of one of our best cows; straight top, nicely marked, wonderful individual; first \$150 buys him. He must please you or money returned.

SOME GOOD BULL CALVES NOW

Will make attractive prices if taken while young. P. O. Erie, Kan. Roy Johnston, South Mound, Kan.

BULLS

We have some splendid bulls for sale at very reasonable prices; from a few weeks to 1 year old; dams' records from 16 lbs. (2-yr.-old) to over 30 lbs. Write us just what you need in bulls. Mark Ahlbgard, Mgr., Mulvane, Kansas

Appleman Bros., Mulvane, Ks.

Young cows due to freshen soon all sold. Still have 2 or 3 young bulls old enough for service out of A. R. cows and 30-pound bull.

B. R. Gosney, Mulvane, Kan.

Coming 2-year-old heifer, heavy in calf to King Pontiac Beuchler; 6-month-old heifer calf, double cross of the Pontiacs breeding.

Al. Howard, Mulvane, Ks.

Bulls ready for service this fall. Write for descriptions and prices.

Wilkie & Swinehart, Derby, Kan.

Bull calf, evenly marked, out of the great show bull Johanna Bonheur Champion 2nd. Price \$100 F. O. B.

Bull Calves by Our Herd Sire

Dam has 28.65-784—in 7 days; has 1000 lb. sister, one 34, one 30 and 11 above 20. A few services for sale to approved cows. We have all A. R. O. Cows. GOODIN STOCK FARM, C. L. GOODIN, PROPRIETOR, DERBY, KANSAS.

Sir Aggie Korndyke Mead

heads my herd. His nearest 5 dams av. nearly 1100 lbs. butter. Herd under federal supervision. Chas. P. High, Derby, Kan.

Two Choice A.R.O. Heifers for Sale

due to freshen in two or three weeks. Also richly bred proven sire. FLOWERCREST FARM, MULVANE, KAN.



The Dairy Division at Washington Says:

"As the production of a cow is doubled profits increase three times. As production is trebled profits increase six times.

"The average cow in the United States yields 1823 quarts of milk yielding 207 pounds of butter a year. Average profit per cow \$20 over cost of feed."

The average production of all purebred Holsteins that have been officially tested for a year is 629 pounds of butter from more than 7000 quarts of milk.

In yielding more than three times as much as the scrub cow, the purebred Holstein yields six times the profits.

As production is tripled profits increase six times. Send for free illustrated booklets.

The Holstein-Friesian Association

292 Hudson Street, Brattleboro, Vermont

Western Holstein Farm

are breeders of the correct thing in Holstein-Friesian cattle. Young bulls of superior breeding for sale. Write for circular. HALL BROS., PROPS., Box 2, Santa Denver Station, Denver, Colo.

10 Great Females

consigned from my herd to the Kansas Holstein Sale Topeka, Kan., March 25 and 26

will be bred to my outstanding herd sire

Here is an extraordinarily well bred youngster.

His three nearest dams average over 32 lbs. of butter in seven days while his seven nearest ones average over 30 lbs.

He is a grandson of FINDERNE PRIDE Johanna Rue, that marvelous 36-lb. cow who holds the world's record in the 8 mo. division, and was the first 1400 lb. cow; she is sister to Vikina Johanna (39.43), the 14-year-old champion who in turn is dam of Segis Fayne Johanna the only 50-lb. cow in the world. The sire's sire is a 30-lb. son of King Segis DeKol Korndyke, sire of the first 40-lb. heifer.

His own dam made 31-lbs. butter in 7 days and 120 lbs. in 30 days while still a heifer. She is from a 27-lb. junior four-year-old daughter of Pietje 22d, the only imported cow to cross the 30-lb. mark.

The dam's sire is more commonly known as the \$50,000 bull whose daughters are doing excellent in official test.

These six 2-year-olds and 4 young cows will be attractions in any herd. Look Them Up—Take One Home.

W. H. Zimmerman, Cameron, Mo.

A Few Holstein Bull Calves

for sale. Good individuals, nice color and the best of breeding. Russell & White, R. 6, Independence, Kan.

Second Semi-Annual Eastern Kansas Shorthorn Breeders' Association Sale

Wednesday, March 24, Ottawa, Kan.

50—HEAD—50

A liberal offering of Scotch and Scotch Top Bulls.
Some Scotch cows and heifers.
A strong offering of open heifers.
Cows with calf at foot. Bred cows.

Consignors:

Tomson Bros., Carbondale.	W. T. Dickson & Son, Carbondale.
I. T. Richardson, Emporia.	Frank Wilson, Wellsville.
Kelly Bros., Gardner.	F. C. Buchheim, Tecumseh.
A. L. Harris, Osage City.	R. M. Harrison, Ottawa.
Vail & Scott, Pomona.	

F. Joe Robbins, Sales Manager, Ottawa, Kan.
Auctioneers—Rule, Burgess and Crews.

IF YOU WANT SHORTHORNS

There is no sale you can more profitably attend than
The Central Association Show and Sale

KANSAS CITY, MO., MARCH 31 and APRIL 1

Not only in this one of the most representative shows and sales of the season but for over 29 years the meetings of the Central Shorthorn Breeders' Association have been the favorite gathering for breeders old and new.
The show is instructive and extremely interesting because every animal shown is to be sold the following day, because the entries to show and sale are classified and arranged in their stalls to allow the best opportunity for making comparisons, and because a study of these cattle gives you a knowledge of the herds they represent which could not be gotten otherwise excepting by weeks of travel.
In many more ways than can be set down in this space the beginner, and intending beginner will profit by attendance at this sale and show and for your first full information as to the offering you must secure the catalog giving breeding and descriptions of the

150 Strictly Good Shorthorns

to be sold. In this number are included proven cows with calves at foot, selected heifers, some giving promise of show yard form, and a really strong collection of bulls, many of which are herd headers in both breeding and individuality.
Send for the catalog now, mentioning this paper and addressing.

W. A. COCHEL, Sale Mgr., MANHATTAN, KAN.
Remember the sale is at the Kansas City Stock Yards Sale Pavilion.

High In Scotch Breeding

I will sell in my farm sale 12 miles south of

Kinsley, Kansas, March 25, 1920

5 Scotch-topped Bulls, roans, sired by Sultan's Archer 604432, tracing to Whitehall Sultan and Colynie; straight lines; thick; smooth; wide out; short legs; long, soft coats; fine dispositions, 10 to 15 months old. 1 Large Red Bull, sire Tom Thumb, dam Silver Goods. 2 High Grade bulls, 1 roan and red. 2 Registered Cows—one five-year-old, red, in calf to Sultan's Archer; one 7 years old with heifer calf. 1 Registered Heifer, red, coming two years old. 1 Percheron Stallion, Marquis de Lyon 117899, coming 6, a ton horse, black, fine disposition, easy keeper. Only the best pays. Parties by rail met if notified.

C. W. Scott, Kinsley, Kansas

1886—Tomson Shorthorns—1920

Headquarters for Herd Bulls

We offer a large number of extra good bulls that are ready for service. They are some of the champion Village Marshal by Cumberland Marshal; Beaver Creek Sultan, a grandson of Whitehall Sultan; Gregg's Villager, one of the great sons of Villager; Imp. Newton Champion, Imp. Lawton Tommy and Diamond Baron.

They are of the most fashionable strains out of imported and home bred dams of the Augusts, Marigold, Jilt, Victoria, Roan Lady, Lavender, Orange Blossom, Duchess of Gloster, Sunnyblink and other very select tribes. They are nearly all roans and of extra good individuality. Come and see them.

TOMSON BROS.

Carbondale, Kansas or Dover, Kansas
R. R. Station Wakarusa on Main line of Santa Fe
R. R. Station Willard on Main line of Rock Island

Knox Knoll Farm Consigns To Independence Shorthorn Sale, April 2, 1920

1 yearling heifer, 1 yearling bull by Knox Knoll Dale. (Half brother to the grand champion Violet's Dale) and 4 young show cows, (winners at the county fairs) bred to the \$1000 Scotch Cumberland. 5 of Scotch Cumberland's calves sold at Wichita sale this winter at an average of \$645 per head and all were prize winners at show. For information on this consignment address, S. M. KNOX, PROP., HUMBOLDT, KANSAS.

Laude, manager of the sale, has selected these cattle carefully and has taken only those representative of the best in the herds from which they were selected. No culls or doubtful breeders have been accepted and the offering will be clean and right in every way. In both bull and female sections will be found animals of choice Scotch breeding and good enough to go into any herd. This will be an unusually good place to buy foundation stock or to add to an already established herd. In the catalog the Scotch topped cattle will be given the bracket form of pedigree, showing four generations. This catalog will be unusually interesting on this account, and you might get considerable information about your own herd from these tabulated pedigrees. Be sure and attend this sale. Tell your neighbors. It will be a good place to buy the good, useful kind of cattle that are needed everywhere. Remember, 80 head, all young, all in good condition, but not in high flesh, the kind of cattle that are real bargains for the buyers. For catalog address G. A. Laude, Manager, Humboldt, Kan.—Advertisement.

Shorthorn Offices in Kansas City

A branch office of the American Shorthorn Breeders' Association may be established in Kansas City. The Southwest naturally looks to Kansas City as a distributing center for pure-bred stock, said Mr. Cochel, Western representative of the Shorthorn association, in commenting on the efforts to locate a branch office at Kansas City.

There is much interest in Western Kansas in constructing pit silos.

SHORTHORN CATTLE.

A GRANDSON OF AVONDALE

by Maxwellton Rosedale and a wonderful sire. His daughters old enough to breed and herd too small to keep two valuable herd bulls. You can't beat this chance. Five young bulls from 8 to 12 months old. Wm. Wales & Young, Osborne, Kansas

Prizewinning Scotch Bulls

for sale. Cruickshank herd bulls of outstanding merit and pure Scotch breeding. Cumberland Star is of the Maid of March family and was 3rd prize 2-year-old in the recent Kansas National Veivet Type, a Cruickshank Lavender, was winner of the senior calf class in the same show. I am dispersing my herd owing to my ill health otherwise these bulls would not be for sale. If you can use a good Scotch bull at a price that is right, write me.

J. E. PATON, WINFIELD, KANSAS

FOR SHORTHORN BULLS

All ages. Address
HUNT BROS., BLUE RAPIDS, KAN.

CEDAR HEIGHTS SHORTHORNS

Five bulls for sale, pure Scotch, splendid individuals. Ages 12 to 20 months. Farm joins Topeka on the west. **HARRY T. FORBES, R. 8, Topeka, Kan.**

FOR SALE, 4 SCOTCH and SCOTCH-TOPPED SHORTHORN BULLS

from 12 to 18 months of age, red and roan. Also some Scotch bred females with calves by side. Come and see them. **H. C. GRANER, Lancaster, Kansas.**

DO YOU NEED A BULL?

We have 2 Scotch-topped bulls, both roans, that we are pricing very reasonable.
H. P. GFELLER & SON, CHAPMAN, KAN.

Scotch and Scotch Topped

bulls. Serviceable ages. Reds, roans and white. Some real herd bull material. Visitors met at U. P. or Rock Island trains.

Jacob Nelson, Broughton, Kan. (Clay Co.)

PROSPECT PARK SHORTHORNS

1 red Shorthorn bull 29 months old; 1 white, 2 roan and 4 red Shorthorn bulls 10 to 15 months old.
J. H. TAYLOR & SONS, CHAPMAN, KAN.

PURE SCOTCH SHORTHORN BULL

2 years old and an extra good one, for sale.
O. J. Traey, Route 3, Harper, Kansas

POLLED SHORTHORNS.



POLLED SHORTHORNS

175 in herd. Young, halter broke bulls for sale.

J. C. BANBURY & SONS,
Phone 2803 Plevna, Kansas

Look Up My Consignment

to the Polled Shorthorn sale at Kansas City, Mo., March 25. Six real bulls and 4 females.
C. M. HOWARD, HAMMOND, KANSAS

SHORTHORN CATTLE

Genuine Herd Bulls by Master of the Dales and out of Collynie Bred Cows

Master of the Dales bulls are proving themselves splendid breeding bulls and we can show you a few real bulls of first class herd heading character.

They are a practical, husky and well grown lot that will appeal to breeders wanting bulls of real merit.

H.M. Hill, LaFontaine, Kan.

SHORTHORN Bulls for Sale

4—Scotch Bulls—4

Some herd bull material here. A few good Scotch topped bulls. All good individuals. Bred right and priced right.

C. H. White, Burlington, Kansas.

More Shorthorn Market Toppers



A load of Shorthorn steers marketed by C. E. Elliott, Latrop, Mo., at Kansas City brought the top of the market for cattle of that weight for the week of Jan. 19-21. The average weight was 1,115 lbs. the price \$14.50. Mr. Elliott fed these steers on land where Shorthorns have been grown for sixty-five years.

The top price, any weight, for the week was \$15.50 paid for some 1,343 lb. Shorthorn steers shipped by J. J. Tangen, Salem, Nebraska.

It pays to grow Shorthorn beef.
**American Shorthorn Breeders' Association
13 Dexter Park Ave., Chicago, Ill.**

Shorthorn Dispersion

Private Sale
Have 1 herd bull, 10 young bulls at private sale. Herd bull Brilliant Type by Cumberland Type; a 2-year-old red bull. The young bulls are from 6 to 12 months old. Write for list giving age and breeding. I will be pleased to show you these cattle. Parties will be met at train when notified.
WARREN WATTS, CLAY CENTER, KAN.

Type's Goods for Sale

I am reserving 25 splendid heifers by this great bull and offer him for sale. He is four years old, deep red, weight 2,175, sold fully guaranteed. Also five young bulls, females, cows with calf at foot and bred back. Heifers bred and open. Scotch and Scotch topped.

S. B. Amcoats, Clay Center, Kan.

PEARL SHORTHORNS

Bulls, Scotch and Scotch topped, six to 18 months, for sale. Reds and roans. Can ship over Rock Island, Santa Fe, Missouri Pacific and Union Pacific.

**C. W. TAYLOR, ABILENE, KANSAS
DICKINSON COUNTY.**

Bulls Bulls Bulls

8 two-year-old bulls, by Secret's Sultan and Master Butterfly 5th. 12 yearling bulls. Reds and roans.
Can ship over Mo. P., U. P., Rock Island.

W. F. BLEAM & SONS, Bloomington, Kan.

ELMHURST SHORTHORNS

I have been breeding registered Shorthorns for 15 years using the blood of such bulls as Gallant Knight, Hampton's Best, Lord Mayor, Lavender Viscount and Avondale. Several good young bulls for sale. Also 10 to 15 very desirable females. An excellent chance for a foundation herd.

W. J. SAYRE, CEDAR POINT, KANSAS

MILKING SHORTHORNS

(of the best Bates breeding)
Milk and beef can be produced cheaper in the dual purpose Shorthorn than in any other animal. We breed them of the best dual purpose type. Bulls for sale \$350 up, all reds. Write for list.

O. M. Healy & Son, R. 1, Muscatine, Iowa

New Buttergask Shorthorns

For sale—Bulls, Scotch and Scotch topped, ready for service. Also bred cows.
**MEALL BROS., CAWKER CITY, KANSAS
Mitchell County**

J. P. Ray & Sons Shorthorns

will sell in their Third Annual Sale at
the Santa Fe Garage

Lewis, Kansas, March 30

Sale To Commence at 1:00 O'clock Rain or Shine

This sale consists of 34 head, 26 bulls and 8 cows and heifers. These bulls range in age from 10 to 18 months old. They are a splendid lot, good colors, in nice breeding condition, well grown and carry the blood of some very popular families.

Bulls in use now are Cumberland Hero No. 668018 a son of Cumberland Diamond No. 403820, his dam being Red Cherry 5th. No. 108150 a Victory Orange cow and also Victorious No. 498669. He also carries a lot of Victor Orange blood. The dams of a great many of these bulls are sired by Buccaneer a son of imported Collynie No. 135022. Imported Collynie sired the dam of the Grand Champion at the International, 1919. They also carry the blood of Gallant Knight, Choice Goods and other great bulls.

We think the offering in this sale is worthy of your consideration, so invite the farmer, ranchman and breeder to this sale as we have some extra good ones that have every indication of making splendid herd bulls.

Come to this sale and get some of these cattle as we predict they will go at reasonable prices. Quality considered.

This ad will not appear again in the Kansas Farmer and Mail and Breeze before the sale so remember the date. Write to the clerk of the sale for catalogs, mentioning this paper.

L. P. Weaver, Clerk, Lewis, Kan.

AUCTIONEERS: Col. Snyder, Col. Burgess, Col. Sims.

I have clerked all of Mr. Ray's cattle sales and can say that they are conducted in a straightforward, business-like way. Everything will be as represented and there is absolutely no by-bidding.—L. P. Weaver, Clerk.

The Best Offering of Shorthorns

Ever sold by

The Southeast Kansas Breeders Association

80 Head Go in the Sale to Be Held at

Independence, Kan., Friday, April 2

20 Bulls

A few Real Herd Bull prospects among them. Some of these are of the best Scotch families. Others are Scotch topped. All are good individually and in good condition.

60 Females

A big per cent of them heifers all good ages. Many of them good enough to go in the best herds. Several of them are of the best Scotch families. All in fine breeding condition but not highly fitted. These cattle are representative of the best Shorthorns in S. E. Kansas. The best of foundation stock. Be there—tell others. For catalog address

G. A. LAUDE, Manager, Humboldt, Kansas
S. T. Morse, Fieldman.



Gainford Marshal—front and rear.

Shallenberger and Andrews

will present an outstanding lot of Shorthorns in
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83 Shorthorns—8 Bulls, 75 Females

6 bulls sired by Gainford Marshal, the greatest breeding son of Gainford Champion; 2 sired by Gregg's Villager by Imp. Villager. All from dams of the most fashionable breeding. They are outstanding herd header prospects.

75 Cows and Heifers—30 cows with calves at foot or near calving to the service of Gainford Marshal or Royal Supreme, the noted son of Village Supreme; 30 heifers bred to the same two sires and Village Marshal; 15 open heifers.

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