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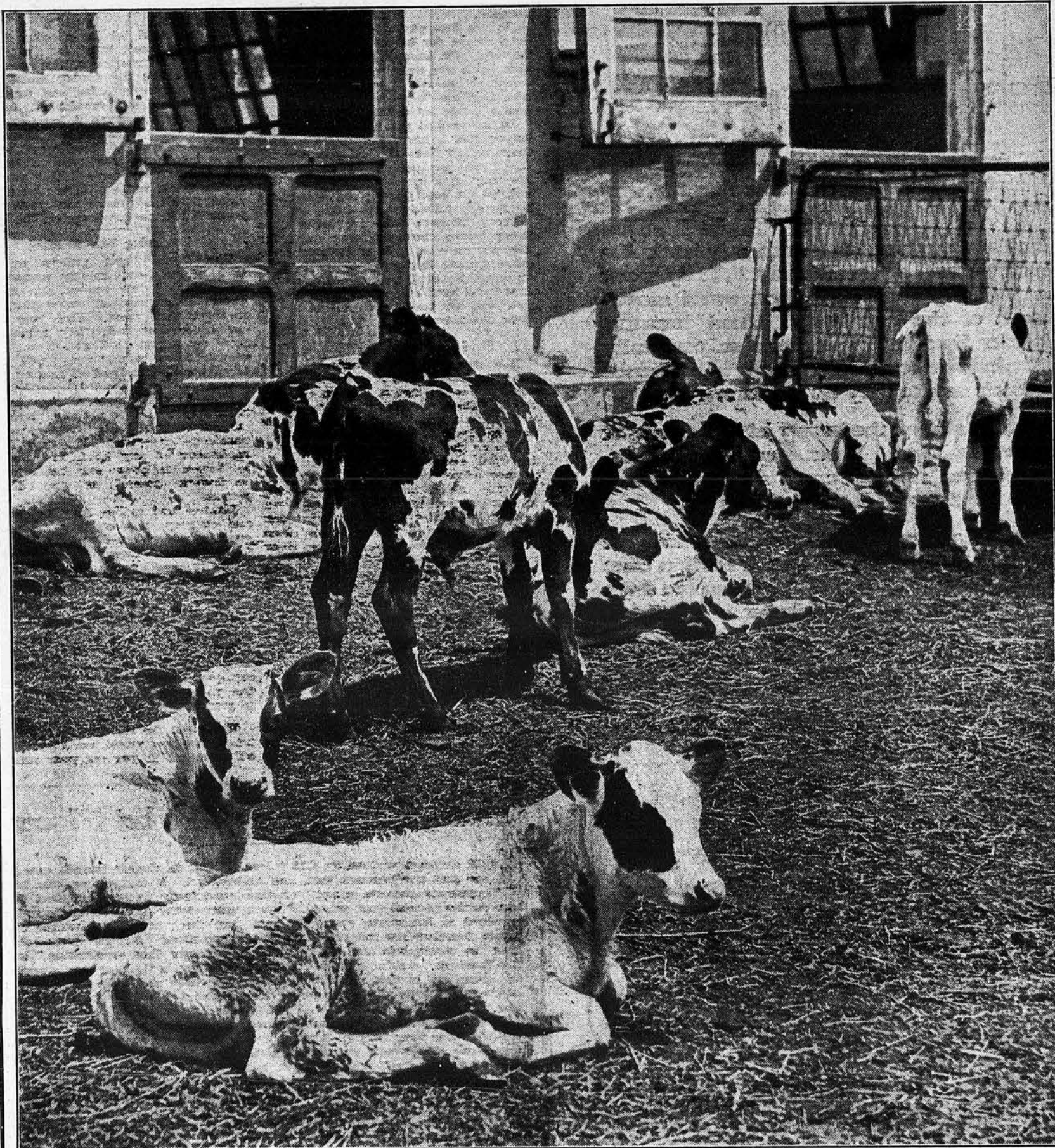
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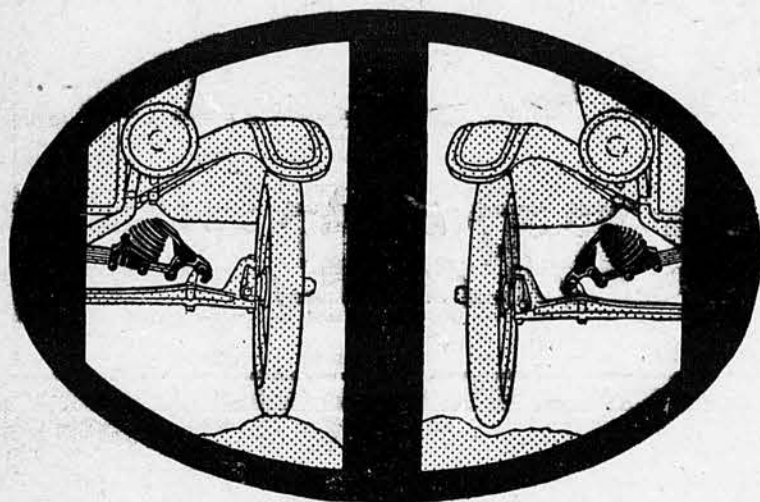
KANSAS FARMER AND MAIL & BREEZE

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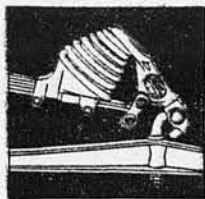
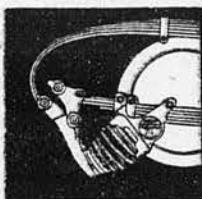
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With The Power Farmers

BY FRANK A. MECKEL

AN ENTIRELY new type of machinery is being developed to suit the requirements of modern power farming.

The new machines are fitted with high-class friction-reducing bearings in many instances. This results, of course, in a great saving of power. Better materials are being put into the machines. Special mechanical features are being included which eliminate, to as great an extent as possible, hand control of the machines.

Naturally, these developments will bring about a reduction in labor cost with a consequent possibility of increased production.

Record of Tractor Costs

A tractor owner who does not keep a record of his tractor costs is making a mistake. Several tractor companies are now putting out record books in which accurate costs on all kinds of tractor work can be kept very easily. Such a record is valuable for several reasons.

In the first place, it gives the farmer a record for his own use and satisfaction. He knows what his production costs are and every good factory manager should know this. It will also help him to reduce costs by giving him a guide for action.

In the second place, many a farmer knows that a tractor is an economical machine but finds difficulty in proving it. If he has something tangible in the way of a carefully kept cost record, he can easily prove any statement he feels justified in making.

Many farmers who are inclined to favor power farming hang back for the purchase of power farming machinery until they are convinced of its economy. Nothing is so effective as the first-hand certified experience of other men who are making successful use of their machines.

Fuel Economy Obtainable

The recent drastic reductions in the price of motor fuels are no excuse for carelessness in the utilization of such fuels. The desirability and necessity of maintaining good fuel economy is just as great as ever.

Among the important things affecting fuel economy may be mentioned proper adjustment of the carburetor. All the carbureting accessories such as air meters, fuel vaporizers, etc., should be in first-class working order. The carburetor jets should be clean and all fuel passages must be clear and free of leaks. Leakage of air thru faulty gaskets, badly fitted valves or other places, sometimes cause faults in operation which are improperly ascribed to the carburetor.

Using the choke excessively is also productive of much trouble in causing carbon deposits and in clogging mufflers. This results in a sluggish engine, reduction of power, and, consequently, more fuel. A vicious cycle is thus established.

Valves should be carefully fitted and properly timed. Factory timing is rarely incorrect and when any repairs

are made, or any overhauling of the motor is done, care should be taken to check the time accurately. The cooling system has some effect on fuel consumption. Generally speaking, the hotter an engine runs the less fuel will be used, but this has some exceptions. Cool operation results in fuel condensation in the combustion chamber and consequently carbon formation.

Adequate lubrication is also essential. Bearings that are too tight absorb power and it takes fuel to produce power.

For Rainy Days

The abnormally wet weather which makes work in the fields impossible gives farm folks an opportunity to attend to other necessary work around the place. If there is a fence which needs mending, it can be done while the ground is too wet for plowing; or if there is a concrete walk to be laid, it can be built while the fields are drying.

One splendid job for a rainy day is a complete "going over" for the tractor and the other machines. The tractor is rushed during the spring season and very often loose bolts and nuts are neglected. These should all be inspected and drawn up. A loose nut may be the cause of a serious smash-up, and the expense of repair and subsequent delay may result in making the tractor the most unprofitable machine on the farm, while a little care at the right time may make the tractor the greatest revenue producer on the farm.

Damming the Ditches

The ditches and gullies on our farms have been greatly aggravated and enlarged this season, due to the abnormal amount of water that has traveled thru them. Had they been cared for last fall, they might not have cut out the soil at all, but these recent rains might very well have filled them up instead of making them larger.

If we permit these ditches to run their course and do not give them any care, it will not be long before we are unable to cross any of them with an implement of any kind, and we will be forced to plow our fields up in patchwork pieces as the ditches permit.

Ditches and gullies may be checked and entirely eradicated by the use of small rock or brush dams. Soil will fill in behind these dams and make perfectly level crossings which may be farmed just like the rest of the field. It does not take long to fill them in, but it does not take long to cut them out either. One heavy rain, if given a free course, will do more damage to a hillside field than several years of hard work can repair, even if the filling does go on rather rapidly. Make the rains work for you rather than to permit them to ruin your farms.

Wash out the oil reservoirs on your tractor as you would wash the dishes off from which you eat your meals.

Stockyards as Free Market Places

THE decision written by Chief Justice Taft in the stockyards case is one that the common man can understand. It is not legalistic, but expresses common sense. Chicago stockyards dealers attacked the law on the ground that when livestock reaches the yards it ceases to be involved in interstate commerce and that the transactions within the yards therefore are independent of interstate trade. But the court holds that the stockyards are not "a place of rest nor final destination," but the livestock reaching that point are at one stage in the course of a series of operations having to do with interstate trade and that the business of the stockyards which are public marketplaces is subject to the regulation of Congress.

This is understandable and common sense. The regulation of stockyards by the Secretary of Agriculture is upheld by the Supreme Court, under one of the acts promoted by the farm bloc, aiming at the protection of the livestock markets from manipulation and control. The decision clears the way for rules and regulations under the Department of Agriculture calculated to make the stockyards competitive public markets, the law giving the Secretary of Agriculture powers of supervision similar to the powers which another farm bloc law confers upon him in the regulation of grain exchanges. Thanks to the farm bloc, agricultural markets are to be protected against abuses of which farming interests have complained for many years without getting any relief until now.

KANSAS FARMER

and MAIL
& BREEZE

May 13, 1922

By Arthur Capper

Vol. 60 No. 19

His Biggest Income in 1921

Henry Eschmann Outdid Previous Successes in a Year When Depression Slashed the Profits in Nearly Every Industry and Business

HENRY Eschmann, farmer, made more money in 1921 than in any previous year. The depression figuratively speaking passed him by. Of course it had its effect on his business and caused him some loss, but in no way did it cripple him as it did some farmers.

There are very good reasons why Henry Eschmann made his record income from farming in 1921 when many farmers figured their incomes in terms of losses. And they are simple reasons, constituting such a sane and sensible and practicable program, that the wonder of it is that more farmers have not shown their good judgment by operating their business in accordance with them.

Last Year's Receipts Total \$2,363

Eschmann took in during 1921 a total of \$2,363 from his cows. August was his high month with \$238. His receipts in April, May, June and July totaled \$900 and the other months averaged around \$175.

Then there were grain crops that sold for cash, hogs marketed, and a living for the family from the chickens. Non-cash income accruing consisted of the increase in the herd of dairy cows, additional fertility put in the soil and improvements added.

Feeding costs were as low as they can be made. In his youth Mr. Eschmann learned how to feed his stock economically and at the same time obtain maximum production of which it was capable. Extra forks of hay never are fed. Theoretically not a stem of alfalfa goes to waste. Grain is carefully measured out to every animal and there are no extras unless the addition can be paid for by a larger production.

Much straw is fed on this farm. Part of it comes from the wheat land but a considerable quantity is purchased from other farmers who neither feed nor scatter it. Straw always is before

the Eschmann cattle. It isn't so carefully apportioned out as alfalfa. In fact the cows are given opportunity to tramp it down in the feed lot.

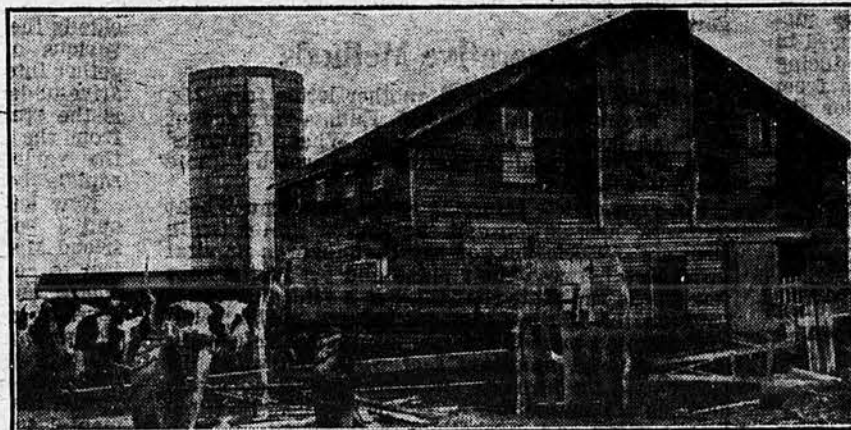
During the winter and spring and late fall the cattle tramp the straw into the manure in the lot, manufacturing a fertilizer every bit of which goes onto the fields. Eschmann hauls

at least 100 loads of manure from his feed lot and barns every year. That is one of the chief reasons why he set an earning record in 1921.

Every year along country roads tons of good grass go to waste. Not so about the Henry Eschmann farm. His cows keep roadsides pastured down thruout the spring and summer to his



These Cows and Others Helped Henry Eschmann of McPherson County Make More Money in 1921 Than in Any Previous Year He Has Farmed



In This Feed Lot Eschmann's Cows Annually Manufacture 100 Loads of Rich Fertilizer Which is Systematically Spread on the Fields

profit and greatly improve the appearance of the countryside at the same time.

August flies and heat didn't interfere with the production of Eschmann's cows. August was his biggest month. Over at the north side of the farm is a small patch of timber. It is well cared for. Eschmann has looked after and encouraged those trees because the shade they afforded his cows meant many dollars in larger milk checks to him. The shade also got his cows thru the summer with less chance of disease developing and launched them into the fall and winter in more thrifty condition than if they had suffered from heat and flies all summer.

Production is Matched Carefully

The production of the cows is watched carefully. Eschmann noted that three cows were not giving as much milk as he thought they should. He sold them. Part of the feed they had been consuming he added to the ration of the remaining animals and within a short time his daily production of milk equaled the previous mark. He got a double profit out of that transaction. He saved a little on feed and he got the same production from a herd representing a considerably lower investment.

Last year Eschmann was feeding shorts to his cows. Shorts proved costly so he went to McPherson and had a talk with V. M. Emmert, county agent. He discovered that bran and oats could be substituted for the shorts and that they could be bought at much cheaper prices. The substitution was made and a material saving resulted because the production of the herd did not decline.

Eschmann feeds alfalfa liberally and often oats hay. He cut the oats while it was in the milk stage and said he get nearly as good results from its use as when he fed alfalfa. The cows also are given as much silage as they ordinarily (Continued on Page 10)

Feeding Scrubs Cured Him

INCREASED profits for three successive years have convinced Louis Waggoner of Benton, Kan., that sanitation, combined with purebred hogs will win.

Almost five years of feeding scrubs passed before Mr. Waggoner put much faith in the talk about purebreds, but when cholera wiped out nearly all of his feeders and a falling market added to his loss, he decided to take a year-off and look the situation over. At the end of the year he started with purebred Duroc Jersey hogs building slowly but surely, and now after a three-year period he owns a \$10,000 hog plant.

About 1901 after the 120-acre farm was bought and a home established the watchful eye of Waggoner's creative genius looked over the shambly buildings, run down fields and unkempt hedge fences, far into the future.

Careful crop rotation aided by the fertilizer produced on the farm soon put the fields into good condition, and the milk cows and poultry included in the Waggoner system of farming added their part to reducing the running expenses.

By 1914 Mr. Waggoner felt that he was in position to carry out his plans of making hogs his main source of revenue. He purchased 12 gilts and a boar and planned for spring litters.

Seventy-seven pigs were saved at farrowing time and from these were selected the best gilts. The others were fattened and sold on the market. Fall litters totaled 108 pigs of which 102 were put on the market averaging 200 pounds apiece. This first bit of success prompted the buying of 328 head of feeders from the Wichita stockyards, and when 310 of them were turned back at a fair profit, Mr. Waggoner considered feeding hogs a safe bet.

Beginner's luck didn't hold thru the following years, and a check up on records just before the final trial with feeders in 1917 showed that feeding scrubs had scarcely paid expenses.

Determined to give the business a final test, Mr. Waggoner shipped in feeders from Kansas City stockyards. That year cholera hit the herd and the bottom dropped out of the feeding game on the Waggoner farm. The next year there wasn't a hog on the place. Mr. Waggoner thoroly disinfected the hog sheds and pens and decided to take a year off. It was during this year that he seriously considered building with purebreds. He drew his own plans and built a tile farrowing house 120 feet long and 14 feet wide. Along the front of the house, near the top is a row of windows. "I built the house facing the south," said Mr. Waggoner, "so the sun would shine

thru these windows every minute of the day." Below the windows is a row of drop doors which solve the problem of ventilation.

Along the back of the farrowing house are 15 permanent pens, equipped with guard rails to keep the sows from lying down on the pigs and crushing them. Along the front of the house is a system of gates, so arranged that if necessary the number of farrowing pens can be doubled. The gates also make the job of changing a sow from one pen to another a very easy matter. The farrowing house is regularly disinfected with crude oil and creosote, and every pen is kept bedded with clean straw.

Carrying out his plans further in building an efficient, sanitary hog plant, Mr. Waggoner laid a cement feeding floor 32 by 48 feet. At one end he made a cement hog wallow, and adjoining that he put up a long shade roof so the summer heat wouldn't bother the hogs. To the water in the hog wallow is added half a barrel of crude oil which keeps the hogs free from lice.

On one side of the feeding floor Mr. Waggoner built a tile granary 20 by 28 feet. The bins in this granary provide ample room for the feed. An alley way around the granary, separated from the feeding floor by a fence, makes it possible, as Mr. Waggoner

says, "to feed the hogs in his Sunday clothes."

At the north end of the granary is a system of feeding troughs. Mr. Waggoner installed a storage tank water system on his farm, and water is piped to these troughs. All pipes are laid 32 inches under ground to prevent freezing. A large mixing tank from which extend two long troughs, makes slopping hogs a job of a few minutes. A creep is built over the middle of the feeding troughs so that pigs and sows eat separately.

A brick wall from farrowing house to the barn on the north, and a second wall of the same material from barn to cattle shed on the west completely wall in the hog plant on two sides. "This was done," said Mr. Waggoner, "to protect the hogs against cold when the sweeping winter winds bother."

"I'm making the plant pay for itself," said Mr. Waggoner, "and by next year I plan to build two more hog houses so I will be able to care for 400 head or more. Mr. Waggoner now has on hand 155 hogs that he considers worth saving. Sixty brood sows are keeping up the crop of pigs."

"I have gradually worked into the purebred business," said Mr. Waggoner, "studying the problems as I progressed, and now that I have my plant operating on a paying basis, I am going to stick to the game to the end."

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Passing Comment—By T. A. McNeal

PERHAPS no conference held in recent years has been so marked with crises as that being held at Genoa. Nearly every day the announcement is made that the conference has either just passed another crisis or is entering on a crisis.

The latest and, perhaps, most sensational statement made was that of Lloyd-George who declares that Europe is in imminent danger of another war, with Russia and Germany united against France and Poland. How a war is to be fought by two nations neither of whom has any credit is difficult for an outsider to understand.

It is true that Russia has an almost unlimited number of men fit for military service but the country has neither credit nor the manufacturing facilities necessary to supply a large army with munitions, clothing and other equipment. The railroads are in such a state of disrepair that it is nearly impossible to move passengers or freight, to say nothing of moving the great bulk of supplies necessary to sustain an army.

If Russia Went to War

RUSSIAN money is so worthless that it has virtually no purchasing value at all. One dollar in American money would buy 10,000 Russian rubles. Suppose that Russia were to go to war with an outside power, like France for example, where would Russia get the necessary supplies for its armies? They could not be produced in Russia for there are no facilities for producing them. Russia certainly could not buy them from any nation that is able to produce them, for the Bolshevik government has no credit.

If an alliance is made with Germany which is in better condition to manufacture the needed guns and munitions than Russia, it must be remembered the credit of Germany also is very low. The last quotation I have noticed puts the exchange value of the German mark at a little less than two-fifths of a cent. It would take nearly 250 marks to equal the purchasing value of one American dollar. When the mark was at par these would have been worth nearly \$70.

Political Organizations

THE statement has come to me that Mr. Morgan has perfected a thoro organization thruout the state in his interest as a candidate for governor. It has also been rumored that he expects to spend if necessary \$100,000 on his campaign. My opinion is that this rumor has no substantial basis of fact. I do not for a moment believe that he will spend \$100,000 nor even half of that amount on his candidacy.

It has come to my ears also that Mr. Morgan's campaign manager admits that I will get a great many votes at the primary, but he says that I lack a political organization.

J. H. Mercer, head of the Livestock Department is generally credited with being the campaign manager for Ex-Governor Stubbs. The other day he stated in substance that while I will have a great many votes thruout the state, I have no political organization and therefore cannot win. He informed a friend of mine that Stubbs has or will have a state-wide thoro organization "right down to the ground" and therefore will win.

I wish to quote here Section 4339 of the General Statutes which reads as follows:

"It shall be unlawful for any candidate for the nomination or for the election to any city, township, county or state office to expend, or directly or indirectly cause to be expended upon any primary, general or special election, or to contract for or incur obligations in connection with any such election in excess of 10 per cent of the salary for the first year of the office to which such candidate is seeking nomination or election: Provided, that this act shall not include the actual necessary traveling and hotel expenses of such candidate in connection with his candidacy: Provided further, that any candidate for an office which pays less than \$500 annually may lawfully expend \$50 for primary or election expenses: Provided, that candidates owning newspapers shall take into account all personal references at the same rate as charged other candidates."

There are 105 counties in the great state of Kansas. The salary of the governor is \$5,000 a year. He is permitted to spend directly and indirectly \$500 for campaign expenses before the

primary, in other words an average of a little less than \$5 a county.

No candidate can make a thoro "down to the ground" organization of the state without violating the law. I still have an old-fashioned notion that candidates for office who are expected to enforce laws if elected, ought themselves to obey the law.

It is true as the managers for Mr. Stubbs and Mr. Morgan say, that I have not a political organization, but however, I am rather curious to know in fact whether it is necessary that the voters of Kansas be told by political organizers for whom they should vote. If that is necessary then all this talk about letting the people rule is bunk. The political organizers go on the assumption that the organizers will rule and that the people will follow their commands.

If I am nominated for governor in August it will be because there are enough people, men and women in the state who desire to see me nominated and who without being herded or "organized" by politicians, will go to the polls on August 1 and vote for me.

I have neither wealth of my own to spend on a campaign nor are there any banking interests back of me to put up campaign expenses for me, and if I had the money at my command I could not spend it in organizing a state wide campaign without violating the law. If I were willing to violate the law then I should not be nominated nor elected governor.

Co-operative Methods

RECENTLY I received another letter from Mr. Frank Veatch, of Kiowa, Kan., a very ardent advocate of the American Wheat Growers' plan of pooling and marketing from which I quote the following:

"In your article referring to the American Wheat Growers' Association and the United States Grain Growers' Association you say that there is no vital difference between their plans and yet in the next few words you state that there is a vital difference between the 100 per cent compulsory pooling plan and the non-compulsory pooling plan. You again stated a very important fact when you said: 'In either case the ultimate success of the organization depends on the number of members who will agree to a pooling and marketing arrangement and the business capacity and integrity of the management.'"

"How can you judge the number of members agreeing to the pooling arrangement without the 100 per cent contract? On what else can you base a business arrangement? We all agree that the great menace to the producer is the present system made and used by the boards of trade. There is a certain book that says if you wish to 'spoil a strong man's house you must first bind the strong man.' In this case the strong man's house is the producer's needs and his helplessness as an individual market man in competition with a system that 'beats' the market to the producer and always 'bulls' it to the consumer and always works in the dark.

"The 100 per cent pooling plan will spoil the strong man's house this fall to the extent of about 100 million bushels—at least we are quite sure there will be about that much the speculators will not be able to reach or handle.

"As for ability and integrity I will refer you to the year's work of the Oklahoma Cotton Growers' Association and see what they did with 100,000 bales of cotton this year."

I freely admit the force of the argument in favor of the 100 per cent pool and yet it still seems to me that there is not necessarily a vital and irreconcilable difference between the American Wheat Growers' Association organization and the United States Grain Growers' Association.

In 1914 Kansas produced 180 million bushels of wheat. It would have been very difficult, I apprehend, to persuade all of the wheat growers to put all of their wheat into the hands of any organization. If, however, they could have been persuaded to pool 100 million bushels, it would have made for them that year at least 50 million dollars, for at harvest time that year wheat was selling at 60 cents a bushel while the price before January 1, 1915, as I recall was considerably over a dollar.

Mr. Veatch believes that the pooling of 100 million bushels this year will have a most beneficial effect on the market. I agree with him. Now then, if that amount is pooled the benefit is obtained regardless of whether it is a compulsory 100 per

cent pool or 100 million bushels pooled by voluntary agreement.

Let me put it another way: The great wheat producing states of Kansas, Oklahoma, Nebraska, and the two Dakotas will in all probability produce at least 300 million bushels of wheat. I think they will produce nearer 400 million bushels, but take the more conservative figure if you prefer. Now it occurs to me that it may be very difficult to persuade all or even half of the wheat growers in these states to turn over their entire crop to any organization, especially one that is new and untried. But it might be possible with reasonable safeguards to induce them to pool half of their crop: that would be between 150 million and 200 million bushels. Would it not have a better effect on the market if that could be done than would the realization of Mr. Veatch's fullest expectation which is that the American Wheat Growers' Association will be able to get 100 million bushels pooled on the 100 per cent compulsory pooling plan?

A. C. Bailey, of Kinsley, who has been active in organizing the American Wheat Growers' Association, while in favor of the 100 per cent pooling plan, is of the opinion that the great problem is to get the co-operative organizations together. Evidently he does not believe with Mr. Veatch that their differences are irreconcilable.

I quote from a letter recently received from him: "The first great and important question to decide is the proper method of procedure to bring the various organizations which have developed, together into harmonious co-operation relations, operative under the direction of one central head. This is the great problem which confronts us now and from the reports of the late conventions held by the various co-operative organizations unity is rapidly being accomplished."

Now I think Mr. Bailey is taking the right view and I believe that on further consideration my friend Mr. Veatch also will agree to that. The object to be accomplished is getting as much wheat pooled as possible. Just now it is, perhaps, impossible to get all wheat growers to join any particular organization. A great many certainly will hesitate to turn all of their wheat into one pool, if for no other reason that that they are not convinced that this organization has passed the experimental stage. They still remember the old maxim about the mistake of putting all your eggs into one basket. So I say that I cannot see why these two organizations may not work in harmony.

Some General Questions

THE following questions have just been sent me by J. D. Shepherd of Clay Center, Kan.:

1. Was Emma Goldman born in the United States?
2. Have any native born Americans ever been deported?
3. What are the chief causes of poverty and crime?
4. If war is a detriment and a hindrance to the moral, spiritual and material progress of man, why have the most warring nations during the past 2,000 years made the most progress in moral and material civilization?

1. I am not certain as to the birthplace of Emma Goldman, but think it was in Russia.

2. I do not know whether any native born citizen of the United States ever has been deported.

3. Men always will differ about the chief causes of poverty and crime. In my opinion the greatest cause of poverty and crime is environment, but that is so comprehensive a term that it takes in nearly everything.

We are like chameleons, taking color from our surroundings. If it were possible to rear every child amid ideal conditions, and that includes education of course, until it reaches maturity, I fully believe that more than 99 per cent of the men would be honest, unselfish, industrious, brave and capable and a like per cent of the women would be equally capable, pure and adorable.

From the earliest dawn of his understanding the child would be taught that no man is entitled to receive something for nothing; that it is nobler to serve than to be served and that every man owes the best that is in him to his fellow man. With him the Golden Rule would be taken as a matter of course and he would not be able to understand why any person should expect another to do for him what he would not be entirely willing to do for the other, if capable of doing it, and if he could not return for any particular service ren-

dered him, a like service, then he would expect as a matter of course to return for the favor received, a service of equal value.

Dishonesty or selfishness would be a violation of this Golden Rule, and consequently he would no more think of being selfish and dishonest than he would think of destroying the rule itself. He would be courageous because to be cowardly would be to evade his proper share of the responsibilities of life.

For the same reason that he would be courageous and frank and truthful he would be without fear, for he would be taught that fear is the child of ignorance and selfishness.

He would be full of energy and ambition, because from his earliest infancy he would be taught that every man owed to the community or state in which he lived the best there was in him in the way of honest achievement. He would not be trying to do that which nature never intended him to do, for a part of his ideal education would be to train him mentally and physically for the work he was best fitted by nature to perform. As a result he would be happy in his work instead of being discontented with his job, as perhaps most men are now.

I will not go so far as to say that criminals, loafers and failures generally are entirely the result of education and environment but I do unhesitatingly say that they generally are.

4. It is, perhaps, true that the most advanced nations in the world have done a great deal of fighting, but it does not follow at all that war was the cause of their advancement. If that were true, in order to make the greatest possible advancement in spiritual and material matters a nation should be at war all the time. If it is true that some war-like nations have made great advancement, it is just as true that wars have destroyed all great nations in the past.

Nations may make spiritual and material progress despite war but war does not contribute to that progress. This is true even when a nation is compelled to fight to preserve its national existence. It would be destroyed, perhaps, if it did not fight but the war tends to exhaust its resources just the same and also to some extent to demoralize its people.

Development of the Holstein

ON JUNE 8 to June 9 there will be held in Kansas City a great sale of Holstein cattle.

This is the first time the Holstein Breeders' Association has really recognized the great dairy states of Kansas and Missouri by bringing the annual sale into this section. The headquarters of the Holstein Association is in Vermont and until two years ago there had never been a meeting of the Association west of Chicago.

Two years ago there was a great sale held at St. Paul but there was little or no recognition even then of the great states of Kansas and Missouri.

Within recent years there has been rapid development of the Holstein industry in both Kansas and Missouri so that at present there are more than 200 members of the Holstein Association and breeders of Holstein cattle in Kansas alone.

Among the public institutions which keep more or less cattle in connection with their work, the Holstein is a favorite. I believe all of the institutions of that kind in both Kansas and Missouri have Holstein cattle and the herds are increasing.

There are of course other great dairy cattle but the Holstein seems to lead in popularity.

Farmers' Service Corner

READERS of the Kansas Farmer and Mail and Breeze who desire to have legal advice or who wish to make inquiries on general matters may receive whatever service we can render in this way free of charge, but the limited size of our paper at present will not make it possible to publish all of the replies.

When No Will is Made

In Kansas when a husband dies leaving only a wife does she inherit all his property if he dies without making a will? L. C.

Yes, she will inherit all of it.

A Question of Inheritance

A and B are husband and wife. Several years before their marriage A took out a life insurance policy for \$1,000, making it payable to his estate at his death. They have been married more than a year. If anything should happen to A should his people come in for a share of this insurance or would B be entitled to the full \$1,000? J. W.

If A and B have no children, B would inherit all this \$1,000, unless A should by will bequeath one-half of it to someone else.

Homes for the Aged

Are there any homes in Kansas for the aged and friendless? I am a mechanic by trade, have built many beautiful homes but now at the age of 78 I am nearly blind, cannot see to read nor write, and am friendless. I have lived a good, clean life and have tried to make the world a better place in which to live. I trust my God to find me a home in my declining years. A. R.

There are no state homes for the aged and friendless in Kansas. By that I mean no homes supported by the state for that special purpose. There are some homes supported by church denominations that probably would take in this inquirer.

As I judge from his letter, he is a religious man and would suggest that he get in touch with the leaders of his particular denomination and find out where there is a home of that denomination. It

may be that his particular denomination does not have a home of that kind but they might be able to direct him to another denomination. The fact is that homes of this kind are not so plentiful nor so well supported as they should be. There are homes for aged ministers, homes for old ladies, but there are few homes, comparatively speaking, for aged and indigent old men.

Can She Sell the Land?

A and B are husband and wife. A owned property when married. Afterward B bought some and paid two-thirds of it with her own money, and A paid the rest out of his earnings. It is in her name. Can she sell it without his signing the papers or is he entitled to half? A. S.

I assume that this property is real estate. If so B could not give a good title without her husband joining in the deed. So far as the money received from the proceedings of the sale is concerned B would be entitled to whatever share of it was hers. She might sell it and take two-thirds of the money and spend it as she sees fit. As A provided one-third he would be entitled to claim that part of it.

Making a Legal Will

1. A is an old gentleman making a home with a friend, B. He made a will leaving everything to B. A has no wife or children. Can A's brothers or sisters or other relatives break this will? D. J. B.

2. Does a deed have to be recorded? D. J. B.

1. If A is sound in mind he is capable of making a will and has a right to dispose of his property as he sees fit.

2. A deed is good as between grantor and grantee that is not recorded but it would not be good against a subsequent purchaser.

Labor Lien

If a man is working on a farm for wages and the man he works for has everything under mortgage, which was not known to the laborer until three or four months after he began work, and the man is unable to pay for his labor, can the mortgage holders take all the employer has and sell it and keep the hired man from getting his money from his labor? F. E. R.

The laborer would have a lien on any property his employer might have which was not mortgaged but our statute does not seem to provide for a lien on mortgaged personal property. In fact under our statute a chattel mortgage is a conditional sale of the property and the mortgagee has the right to possession of the property as soon as the mortgage is executed, unless there is some agreement to the contrary. I do not think this is an equitable arrangement but it seems to be the law.

Inheritance Tax

How much of an estate must there be before it comes under the inheritance tax law in Kansas? L. M.

That will depend on the relationship of the heir. The wife of the deceased would be entitled to an exemption of \$75,000. The children of the deceased would each be entitled to an exemption of \$15,000. A brother or sister of the deceased is entitled to an exemption of \$5,000. Relatives of a less degree than brother or sister would have to pay an inheritance tax on all the estate.

Signatures To a Deed

A and B are husband and wife. Two years after marriage A deeded B approximately one-half of his property. Can B deed any part of her real property without A's consent? Is there any way this real property could be transferred to a third person without A's consent? My understanding is that one-half of B's property which was a gift from her husband, could be willed away but that none of it could be deeded or transferred in any way to a third person without his consent and signature. L. P. S.

A deed to this real estate without the husband's signature would not be a good deed for the reason that neither the husband nor the wife can deprive the survivor to the marriage of her or his share of the property.

Appointment of Administrator

A and B are husband and wife owning property jointly. They had seven children, all of age. A died and the children agreed to leave the property undivided until B's death. Would they have to have an administrator appointed or leave it as it stands? G. H. N.

There is no particular reason why an administrator should be appointed at this time if the children are all agreed that the mother shall remain in possession of the property until her death. At the death of the mother I think it would be well that there should be an administrator appointed but it is not necessary so long as these children are alive and this agreement exists that this should be done.

Who Had the Right of Way?

If an automobile going east is struck and damaged at a street corner by one going south can the owner of the east bound car collect damages from the owner of the other car? In this case the east bound car was going at about 8 miles an hour and the other at a much higher rate of speed—probably 18 or 20 miles an hour—and was also on the east side of the street. S. M. B.

The man from the west is entitled to collect damages. He was entitled to the right of way for two reasons: First the man coming from the north was on his left and in the second place the man coming from the north was on the wrong side of the street, being on the east instead of on the west side. Of course, the fact that the man coming from the north was probably exceeding the speed limits would simply add to the reasons for his liability but even if he had been coming at a lawful rate of speed he would still have been liable.

Too Much Waste In Banking System

NOW at a time when every dollar of public funds is needed, a rather poor example of the expenditure of such funds is that set by the Federal Reserve Banks, whose duty it would appear, is to set the Nation a shining example of thrift and economy. But this is by no means the only bad example. Congress has a few such sins for which to answer.

The Federal Reserve System now has, or had, a surplus of about 280 million dollars. Every one of its 12 regional banks has an expense account running into the millions. Every bank has a long array of high-salaried officials. Every one has its own small army of employees. And several of the banks are building or have built handsome bank buildings costing millions of dollars, the total approximating something better than 36 millions.

For a business which barely got started in 1914 these profits and this development are somewhat astonishing if we consider that Congress intended to give the people safe banking facilities at moderate cost.

The Senate has been looking into Federal Reserve expenditures, with interesting results. In 1915 the Federal Reserve Bank of New York had seven officers and 67 employees. By July 1 of last year its officers had increased to 40, its employees to 3,047 and it is planning to build itself a 25-million-dollar home that would make King Solomon's temple look cheap.

This is more than twice as much money as our formerly easy-going Uncle Sam has expended for public buildings within the last 20 years. It probably exceeds the combined cost of the White House and Treasury buildings at Washington with the capitols of a dozen states thrown in for good measure. It is more money than five of the Federal Reserve Banks were lending on agricultural and livestock paper during crop moving time. This bank building is to cost more than any public building in Washington, in fact more than the capitol of the United States.

It may be true the Government itself is not putting up these buildings, yet it cannot escape the responsibility for such lavishness at this particular time when economy was never so imperative.

The New York Reserve Bank pays more than 1/2 million dollars a year in salaries to its 40 officials and \$4,484,103 a year to its 3,047 employees; a total of nearly 5 million dollars, and this does not include occasional bonuses which in case of its officers sometimes reach a handsome figure.

Nine of the officers of the New York Federal Reserve Bank are paid more than the Chief Justice of the United States; 11 receive more than an Associate Justice of the Supreme Court; 13 are paid more than Secretary Hughes, or any other Cabinet Officer. And yet they are supposed to be serving the same government and the same people.

It is brought out by the Senate inquiry that at least a dozen officers in the New York Reserve Bank had been employed at salaries ranging from \$1,320 to \$9,500 prior to entering its service. They now are drawing salaries ranging from \$10,000 a year up to \$30,000. One of these salary increases ranged as high as 423 per cent.

As a justification of the high salaries paid in this and other Federal Reserve Banks, the defense is made that these salaries are no higher, if as high, as are existing salaries in the leading big banks in reserve cities.

There is no parallel here, it seems to me. The big city banks do business with countless individuals and with thousands of other banks. They have to take many risks. The Federal Reserve Banks deal with banks only and accept only gilt-edged paper. Theirs is largely a routine business. Private banks necessarily require more banking ability.

It is interesting to a Middle-Westerner, like myself to note that at the time the directors of the Federal Reserve Board were most solemnly impressing upon us the necessity and the patriotic duty of rigid economy and the curtailing of expenses, that the Federal Reserve Banks were increasing the salaries of their officials nearly 50 per cent, the salaries of their employees about 10 per cent, and were increasing the number of both. And in addition several of the banks, with building costs soaring as never before, were erecting handsome skyscrapers which were the final word in expensive fittings and materials.

I am the more strongly of opinion, if that were possible, that a Federal Board which has the power to affect prices and the credit of the country, should not be a board of bankers and economists merely, but should have an agricultural member on its directing staff as well as members that now are presumably representing general business and manufacturing.

The Senate has passed the bill making it mandatory to appoint a real farmer to one of the five memberships of the Federal Reserve Board, and the agricultural bloc has again been lambasted for such daring. However, it proposes to do what it considers its duty in this case as in all others and won't mind the knockers.

Washington, D. C.

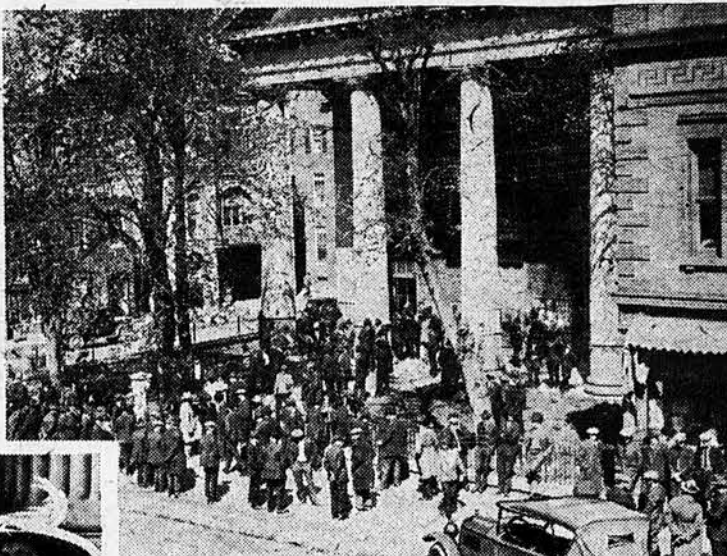
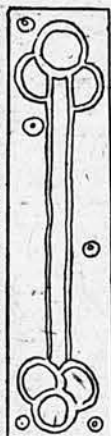
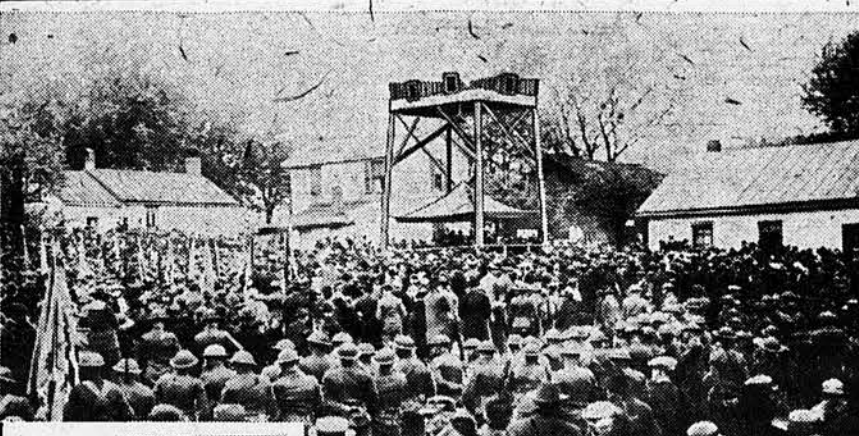
News of the World in Pictures



Yale Varsity Eight Trains for Race With Columbia; 1, at Bow is Whitney; 2, Carman; 3, Russell; 4, Sheffield; 5, Haines; 6, Rockefeller; 7, Holdeman; 8, Freeman; 9, Coxswain; Chase.



Columbia University Eight Training on Harlem River in New York; 1, at Bow is Thees; 2, Griswold; 3, Ferris; 4, Ince; 5, Ruffalo; 6, Cooper; 7, Swinburne; 8, Brodell; 9, Coxswain; Levy.



Scene at Jefferson County Court House in Charleston, West Va., Where John Brown Was Sentenced to Death; Recently 23 Miners Were Placed on Trial There for the Mine War in West Virginia.



Former President Wilson As He Looks Today; He Recently Addressed Pan-American Women Voters at Washington.



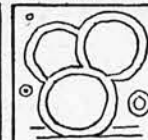
Huge Radio Amplifier on Platform Enables Thousands to Hear President Harding's Speech at Birthplace of General Grant on Centenary Anniversary.



Lady Astor, Vice-President Calvin Coolidge, and Senator Claude Swanson of Virginia Photographed Recently at the Capitol, Washington, D. C.



Famous "Flying Parson" Maynard at Right Marries Sarah Cockefair to Albert Schlafke in Airplane 3,000 Feet High Shown on the Upper Left.



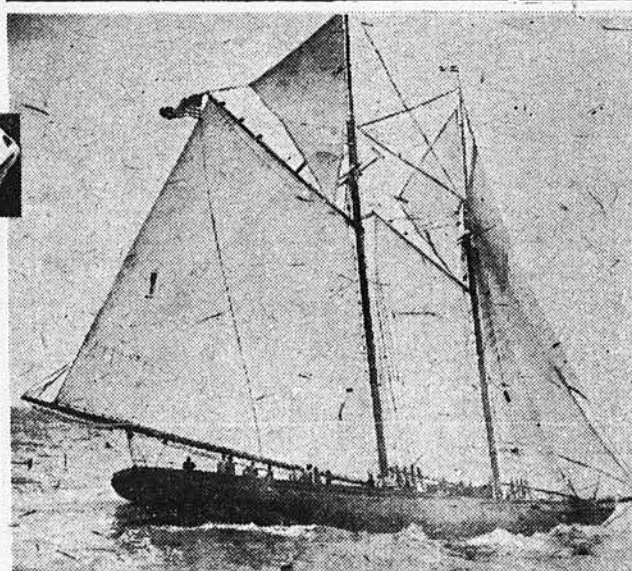
Nebraska's New 5 Million Dollar Capitol Now Under Construction, It Will be 437 Feet Square and Will Have a Tower 400 Feet High and 80 Feet Square.



Benjamin Block's Unbeaten Colt, Morvich Works Out at Jamaica Track in Record Fast Time for the Paymonok Handicap; Last Season as a 2-Year-Old It Won 11 Races and \$115,235.



Prince Otto Recently Proclaimed King by Royalists But Whom the Entente Refuses to Recognize as a Sovereign Ruler.



New Fishing Schooner, "Puritan" Under Sail on Maiden Trip; It Was Launched Recently at Essex, Mass., and Will Take Part in the Coming Great International Fishermen's Race.

No Cellar Stairs for Worth

Installation of Home-Made Elevator to the Basement of His Modern Home Eliminates Much Back-Tiring Toil for This Rice County Farmer

By John R. Lenray

PACKING 100 pound sacks of potatoes slung across his shoulder down a flight of stairs into the basement under his house sold George Worth, Rice county farmer, on the advantages of an elevator.

Now, when he stores his potatoes, he drives up to the side door, lifts the sacks from the wagon to the elevator, pulls on a rope and the load is carried to the basement. When the sacks are removed the elevator automatically returns to the first floor for a second load.

Elevator Saves Tiresome Labor

It is the same way with other vegetables and coal or wood. The elevator every year saves Mr. Worth a lot of back-tiring labor and it has eliminated the necessity of constantly running up and down steps to take care of the furnace or to fetch vegetables for use in the kitchen.

The elevator is a simple, home-made affair, operated with a weight so no outside power is required. It is easy to manage and is equipped with a safety device which has eliminated the danger of anyone falling down the shaft.

The gears used on the elevator were taken from an old header and fitted to a shaft. Two drums on which the supporting ropes wind, were cast in a Hutchinson foundry and the balancing weight, which operates the elevator, also was obtained there. A tug on the rope starts the elevator up or down as desired.

A sliding gate to guard the shaft when the elevator is in the basement was constructed of light lumber. To the top was fastened a rope which also was attached to the shaft in such a manner that when the elevator de-

scends the gate automatically is lowered. As the elevator ascends the gate is raised.

The Worth home, a fine two story frame building, is modern in every respect and conveniently arranged. Worth built it as well as city homes are built because he believes that contentment on the farm depends largely on the house in which the farmer and his family live.

"Folks can't be contented and comfortable or efficient for that matter," said Mr. Worth, "unless they are comfortably housed. That is why I built a home that I have tried to make

comfortable, convenient and attractive. I have found it a very good investment."

Almost anyone can design roughly the sort of a house he wishes but it requires considerable study to work out the little conveniences which add so much to making the house appeal to those who live in it. Worth is strong for these conveniences and they can be found nearly everywhere a person turns.

One is the coat and refrigerator room. Worth put it at the north side of the house at the end of a short hall because it would be close to the side

door and because it would be protected from the sun and warm south winds. The result is that ice in the refrigerator melts very slowly. In the winter the room, which is not heated, is the coolest spot in the house and perishable food can be kept there without danger of spoiling.

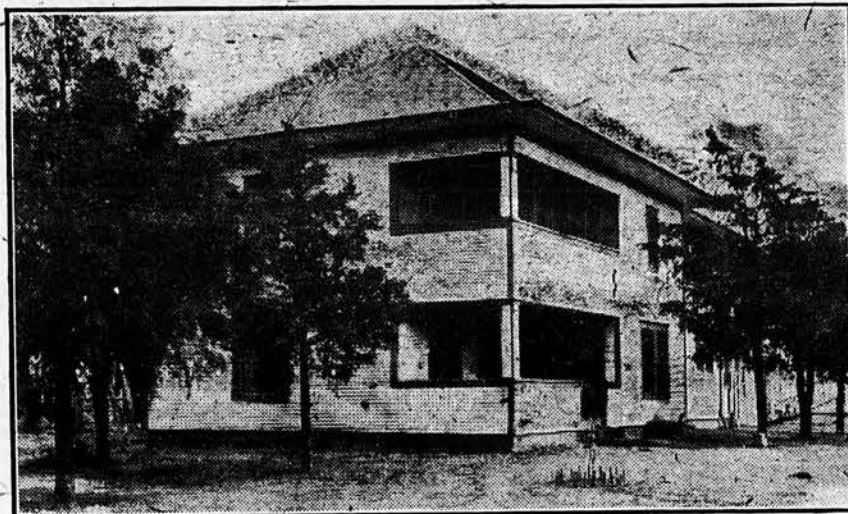
Where fire wood is available on a farm a daily task is to carry a quantity of it into the kitchen. Not so at the Worth place. Built into and thru the kitchen wall is an automatic wood box that has saved a lot of time and trouble.

House Has Pressure Water System

The house is equipped with a pressure water system and hot and cold water is piped to the kitchen and bath room. There are two sinks in the kitchen, and the bath room is fitted with a tub, toilet and wash basin.

Worth is a great drinker of water and he likes it cold. He grew tired of having to work on the business end of a pump every time he became thirsty in order to get a cold drink. The water supplied by his pressure system was not very cool in the summer.

Water in the bottom of a deep well, Worth knew, kept cool even during hot weather. So he measured the well, bought a lot of piping and rigged up a connection that brought cold water to the surface simply by opening the faucet. Two sections of pipe connected with an elbow joint so they formed a long and slender U, were put down into the well. One pipe was connected with the pressure tank and a faucet put on the other. The end of the U, being sunk in several feet of water in the bottom of the well, always is kept cold and Worth now can get a very refreshing drink (Continued on Page 13)



This Modern Farm Home, Belonging to George Worth of Rice County, is Equipped With a Home-Made Elevator Running to the Basement

300,000 Baby Chicks a Year

Fourteen Years Ago Edward Steinhoff Started with Ten Setting Hens But Today He Keeps a Battery of Ten Thousand Egg Incubators Busy

By Raymond H. Gilkeson

FOURTEEN years ago Edward Steinhoff of Leon, Kan., was hatching just enough chicks with eight or 10 hens to keep up his flock. Today he and his son own and operate a hatchery having a yearly capacity of 300,000 chicks.

Tedious was the task of hatching chicks by the sitting hen method, so in 1908 Mr. Steinhoff bought an incubator. When a high percentage of the first 250 eggs set in it hatched, it was decided that the new machine would pay for itself in saving of time and labor. Careful selection of eggs resulted in thrifty chicks. The neighbors noticed this and asked to buy any extra that were hatched. That gave Mr. Steinhoff an idea. During the following seasons he built up his flock of layers, and when he advertised locally that he would have baby chicks to sell he felt well prepared to fill any orders he might receive. So many more orders were received than had been anticipated that it was necessary to install a second incubator. Another season passed with many unfilled orders and a third machine was added to the hatching equipment.

As season after season passed and more incubators were bought, Mr. Steinhoff realized the possibilities of a hatchery and decided to provide the best possible housing facilities for his incubators, so he bought the 102-acre farm where he now lives. On it he built an incubator house 54 feet square, of concrete blocks, floored with cement and covered with a substantial roof of boards and prepared roofing paper. In the house was installed a hot water heating system to cut down on incubator fuel, as well as to make it possible to work in the house and be comfortable, and to insure against chilling the chicks when they were first taken from the incubators. Much more efficient work was done in the new quarters, and following the sys-

tem of increasing his equipment as business demanded, Mr. Steinhoff soon had incubator room sufficient to hatch 10,000 eggs at a time.

Small incubators made the hatching business a burden, and it was with pleasure Mr. Steinhoff read of a large incubator that was being put on the market. Just as the first small incubator had paid for itself, Mr. Steinhoff figured a larger one would also soon pay for itself so he bought it and disposed of most of the small ma-

chines. The new incubator had a capacity of 10,000 eggs, and it was as great a relief in comparison changing from small incubators to the large one, as it was changing from sitting hens to the first 250-egg machine. Close records were kept on the work of the new incubator, and it was proved that it could be operated more cheaply and yet hatch a higher percentage of chicks than the small machines. Again Mr. Steinhoff had made a wise move.

Extensive advertising brought or-

ders from many states. Business grew in volume and it wasn't long before the 10,000-egg machine paid for itself, and a second 10,000-egg incubator was installed. The hatchery has been built up gradually as business justified and today eight large incubators run week in and week out during the hatching season.

Each incubator is set to one-third of its capacity every week, the older eggs being moved down to make room for fresh eggs in the top trays. It takes 100 cases of eggs, 30 dozen to the case a week to set the eight machines. Fifteen different breeds are represented by the breeders who supply the eggs, but the records at the hatchery show that White Leghorns and Rhode Island Reds are the best sellers.

To eliminate all feeding, the chicks are sold when a day old. They are sent in pasteboard boxes by parcel post, 25 to 100 in a box. "Some folks are mistaken in thinking we send the chicks by express," said the junior Mr. Steinhoff, "but every chick not taken away by the purchaser himself is sent thru the mail." The incubators are set the first part of each week so the chicks will hatch on Sunday or Monday, thus allowing the chicks to be sent out having the greater part of the week to reach their destination, running no chance of laying over in some post-office over Sunday.

Hatching is started February 1 and continues until the latter part of June. Mr. Steinhoff planned this year to hatch 300,000 chicks, but orders have been coming in so rapidly that some of the incubators are running more than capacity, and instead of having 80,000 eggs in the hatchery at a time the number has been increased to 102,000. Year after year the percentage of hatching has held from 63 to 65 per cent. All chicks sent out from the hatchery are guaranteed a safe delivery and the loss has been very small.



Eight 10,000-Egg Incubators in the Steinhoff Plant Hatch Chicks Which are Sent All Over the United States by Parcel Post

The Adventures of the Hoovers

The Hired Man Decides to Sue Hoover Because He Was Stabbed with a Spiked Calf Weaner, But He Finds He Has Another Guess Coming



The Indian Drum

By WILLIAM MacHARG and EDWIN BALMER

A Story of the Adventures of Alan Conrad of Blue Rapids, Kan., on the Great Lakes

(Copyright by Edwin Balmer)

IT WAS possible that none of these people knew about Corvet; Alan had not known about him in Kansas, but had known only that some unknown person had sent money for his support. But he appreciated that it did not matter whether they knew about him or not; for at some point common to all of them, the lives of these people must have touched Corvet's life. When Alan knew what had been that point of contact, he would know about Corvet; he would know about himself.

Alan had seen among Corvet's books a set of charts of the Great Lakes. He went and got that now and an atlas. Opening them upon the table, he looked up the addresses given on Corvet's list. They were most of them, he found, towns about the northern end of the lake; a very few were upon other lakes—Superior and Huron—but most were on or close to Lake Michigan. These people lived by means of the lake; they got their sustenance from it, as Corvet had lived, and as Corvet had got his wealth. Alan was feeling like one who, bound, has been suddenly unloosed. From the time when, coming to see Corvet, he had found Corvet gone until now, he had felt the impossibility of explaining from anything he knew or seemed likely to learn the mystery which had surrounded himself and which had surrounded Corvet. But these names and addresses! They indeed offered something to go upon, the Lake now was forever still, and his pockets had told Alan nothing.

He found Emmet County on the map

and put his finger on it. Spearman, Wassaquam had said came from there. "The Land of the Drum!" he said aloud. Deep and sudden feeling stirred in him as he traced out this land on the chart—the little towns and villages, the islands and headlands, their lights and their uneven shores. A feeling of "home" had come to him, a feeling he had not had on coming to Chicago. There were Indian names and French up there about the meetings of the great waters. Beaver Island! He thought of Michabou and the raft. The sense that he was of these lakes, that surge of feeling which he had felt first in conversation with Constance Sherrill was strengthened an hundredfold; he found himself humming a tune. He did not know where he had heard it; indeed, it was not the sort of tune which one knows from having heard it; it was the sort which one just knows, a rhyme fitted itself to the hum, "Seagull, seagull sit on the sand, It's never fair weather when you're on the land."

He gazed down at the lists of names which Benjamin Corvet had kept so carefully and so secretly; these were his father's people too; these ragged shores and the islands studding the channels were the lands where his father had spent the most active part

of his life. There, then—these lists now made it certain—that event had happened by which that life had been blighted. Chicago and this house here had been for his father only the abode of memory and retribution. North, there by the meeting of the waters, was the region of the wrong which was done.

"That's where I must go!" he said aloud. "That's where I must go!"

Constance Sherrill, on the following afternoon, received a telephone call from her father; he was coming home earlier than usual, he said; if she had planned to go out, would she wait until after he got there? She had, indeed, just come in and had been intending to go out again at once; but she took off her wraps and waited for him. The afternoon's mail was on a stand in the hall. She turned it over, looking thru it—invitations, social notes. She picked from among them an envelope addressed to herself in a firm, clear hand, which, unfamiliar to her, still queerly startled her, and tore it open.

Dear Miss Sherrill, she read,

I am closing for the time being, the house which, for default of other ownership, I must call mine. The possibility that what has occurred here would

cause you and your father anxiety about me in case I went away without telling you of my intention is the reason for this note. But it is not the only reason. I could not go away without telling you how deeply I appreciate the generosity and delicacy you and your father have shown to me despite my position here and of the fact that I had no claim on you. I shall not forget those even tho what happened here last night makes it impossible for me to try to see you again or even to write to you.

Alan Conrad.

She heard her father's motor enter the drive and ran to him with the letter in her hand.

"He's written to you, then," he said, at sight of it.

"Yes."

"I had a note from him this afternoon at the office, asking me to hold in abeyance for the time being the trust that Ben had left me and returning the key of the house to me for safekeeping."

"Has he already gone?"

"I suppose so; I don't know."

"We must find out." She caught up her wraps and began to put them on. Sherrill hesitated, then assented; and they went round the block together to the Corvet house. The shades, Constance saw as they approached, were drawn; their rings at the doorbell brought no response. Sherrill, after a few instants' hesitation, took the key from his pocket and unlocked the door and they went in. The rooms, she

saw, were all in perfect order; summer covers had been put upon the furniture; protecting cloths had been spread over the beds up-stairs. Her father tried the water and the gas, and found they had been turned off. After their inspection, they came out again at the front door, and her father closed it with a snapping of the spring lock.

Constance, as they walked away, turned and looked back at the old house, gloomy and dark among its newer, fresher-looking neighbors; and suddenly she choked, and her eyes grew wet. That feeling was not for Uncle Benny; the drain of days past had exhausted such a surge of feeling for him. That which she could not wink away was for the boy who had come to that house a few weeks ago and for the man who just now had gone.

Things from Corvet's Pockets

"Miss Constance Sherrill,
Harbor Springs, Michigan."

The address, in large scrawling letters, was written across the brown paper of the package which had been brought from the postoffice in the little resort village only a few moments before. The paper covered a shoe box, crushed and old, bearing the name of S. Klug, Dealer in Fine Shoes, Manitowoc, Wis. The box, like the outside wrapping, was carefully tied with string.

Constance, knowing no one in Manitowoc and surprised at the nature of the package, glanced at the postmark on the brown paper which she had removed; it too was stamped Manitowoc. She cut the strings about the box and took off the cover. A black and brown dotted silk cloth filled the box; and, seeing it, Constance caught her breath. It was—at least it was like—the muffler which Uncle Benny used to wear in winter. Remembering him most vividly as she had seen him last that stormy afternoon when he had wandered beside the lake, carrying his coat until she made him put it on, she recalled this silk cloth, or one just like it, in his coat pocket; she had taken it from his pocket and put it around his neck.

She started with trembling fingers to take it from the box; then realizing from the weight of the package that the cloth was only a wrapping or, at least, that other things were in the box, she hesitated and looked around for her mother. But her mother had gone out; her father and Henry both were in Chicago; she was alone in the big summer "cottage," except for servants. Constance picked up box and wrappings and ran up to her room. She locked the door and put the box upon the bed; now she lifted out the cloth. It was a wrapping, for the heavier things came with it; and now, also, it revealed itself plainly as the scarf—Uncle Benny's scarf! A paper fluttered out as she began to unroll it—a little cross-lined leaf evidently torn from a pocket memorandum book. It had been folded and rolled up. She spread it out; writing was upon it, the small irregular letters of Uncle Benny's hand.

"Send to Alan Conrad," she read; there followed a Chicago address—the number of Uncle Benny's house on Astor Street. Below this was another line:

"Better care of Constance Sherrill (Miss)." There followed the Sherrills' address upon the Drive. And to this was another correction:

"Not after June 12th; then to Harbor Springs, Mich. Ask some one of that; be sure the date; after June 12th."

Little Band of Gold

Constance, trembling, unrolled the scarf; now coins showed from a fold, next a pocket knife, ruined and rusty, next a watch—a man's large gold watch with the case queerly pitted and worn completely thru in places, and last a plain little band of gold of the size for a woman's finger—a wedding ring. Constance, gasping and with fingers shaking so from excitement that she could scarcely hold these objects, picked them up and examined them—the ring first.

It very evidently was, as she had immediately thought, a wedding ring once fitted for a finger only a trifle less slender than her own. One side of the gold band was much worn, not with the sort of wear which a ring gets on a hand but by some different sort of abrasion. The other side of the

band was roughened and pitted but not so much worn; the inside still bore the traces of an inscription. "As long as we be * * * all live," Constance could read, and the date "June 2, 1891."

It was in January, 1896, Constance remembered, that Alan Conrad had been brought to the people in Kansas; he then was "about three years old." If this wedding ring was his mother's, the date would be about right; it was a date probably something more than a year before Alan was born. Constance put down the ring and picked up the watch. Wherever it had lain, it had been less protected than the ring; the covers of the case had been almost eroded away and whatever initialing or other marks there might have been on the outside were gone. But it was like Uncle Benny's watch—or like one of his watches. He had several, she knew, presented to him at various times—watches almost always were the testimonials given to seamen for acts of sacrifice and bravery. She remembered finding some of those testimonials in a drawer at his house once where she was rummaging, when she was a child. One of them had been a watch just like this, large and heavy. The spring which operated the cover would not work, but Constance forced the cover open.

There, inside the cover as she had thought it would be, was engraved writing. Sand had seeped into the case; the inscription was obliterated in part.

"For his courage and skill in seam * * * master of * * * which he brought to the rescue of the passengers and crew of the steamer Winnebago foundering * * * Point, Lake Erie, November 26th, 1890, this watch is donated by the Buffalo Merchants' Exchange."

Uncle Benny's name, evidently, had been engraved upon the outside. Constance could not particularly remember the rescue of the people of the Winnebago; 1890 was years before she was born, and Uncle Benny did not tell her that sort of thing about himself.

The watch, she saw now, must have lain in water, for the hands under the crystal were rusted away and the face was all streaked and cracked. She opened the back of the watch and exposed the works; they too were rusted and filled with sand. Constance left the watch open and, shivering a little, she gently laid it down on her bed. The pocket knife had no distinguishing mark of any sort; it was just a man's ordinary knife with the steel turned to rust and with sand in it too. The coins were abraded and pitted discs—a silver dollar, a half dollar and three quarters, not so much abraded, three nickels, and two pennies.

"Uncle Benny Was Dead"

Constance choked, and her eyes filled with tears. These things—plainly they were the things found in Uncle Benny's pockets—corroborated only too fully what Wassaquam believed and what her father had been coming to believe—that Uncle Benny was dead. The muffler and the scrap of paper had not been in water or in sand. The paper was written in pencil; it had not even been moistened or it would have blurred. There was nothing upon it to tell how long ago it had been written; but it had been written certainly before June twelfth. "After June 12th," it said.

That day was August the eighteenth.

It was seven months since Uncle Benny had gone away. After his strange interview with her that day and his going home, had Uncle Benny gone out directly to his death? There was nothing to show that he had not; the watch and coins must have lain for many weeks, for months, in water and in sand to become eroded in this way. But, aside from this, there was nothing that could be inferred regarding the time or place of Uncle Benny's death. That the package had been mailed from Manitowoc meant nothing definite. Some one—Constance could not know whom—had had the muffler and the scrawled leaf of directions; later, after lying in water and in sand, the things which were to be "sent" had come to that some one's hand. Most probably this some one had been one who was going about on ships; when his ship had touched at Manitowoc, he had executed his charge.

Constance left the articles on the bed and threw the window more widely open. She trembled and felt stirred and faint, as she leaned against the window, breathing deeply the warm

(Continued on Page 11)

Boosting the Buying Power of the Farm Dollar

When a farmer buys, he naturally expects to get prices four square with what he gets when he sells.

This principle of fairness Prest-O-Lite respects; a Prest-O-Lite Battery is a product with prices in balance with the prices of farm products.

If you were to exchange your produce directly for a Prest-O-Lite Battery at today's prices, it would go just as far as it would have gone at the peak of your high price market.

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You will be interested in the following trade-in prices for Prest-O-Lite Batteries:

- * \$19.90 for 6-volt battery for popular makes of light cars.
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- * \$32.00 for 12-volt battery for Maxwells, Dodges, and Franklins.

These prices represent savings as high as 32 per cent over 1921 prices, and as high as 45 per cent over 1920.

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These are high quality Batteries.

They all have Prest-O-Plates, the plates of long life that make Prest-O-Lite the long life, best all weather battery.

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Every Prest-O-Lite Battery is backed by the regular Prest-O-Lite guaranty, a broad, yet specific obligation plus a policy that says the car owner must be pleased.

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No matter what make of battery you have, use the Prest-O-Lite Service station most convenient to you. Bearing a name you have seen since you first saw automobiles, it is part of the oldest service to motorists.

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At the right time exchange the old battery for a new Prest-O-Lite with Prest-O-Plates at our low prices.

*Slightly higher prices prevail on the Pacific Coast and other distant points.

THE PREST-O-LITE COMPANY, Inc.

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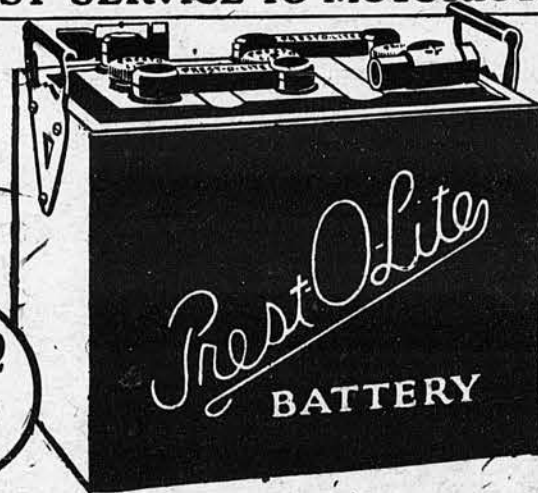
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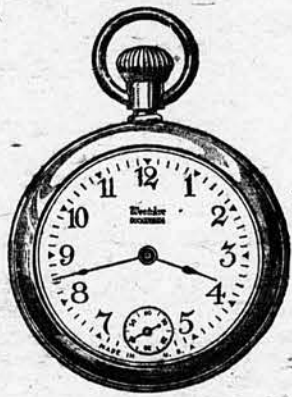
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But you can make extra money if you cut the cost of production. Time saved on the farm cuts the costs just as it does in business. Time saved means more things done per man, or less men to do the same amount of work. Either way swells the year's profits.

To save time you should know the time. Time is saved in minutes, and the minutes grow into hours. A handy, dependable Westclox will save its cost in extra work accomplished the first month.

So clock your farm. Westclox all around. In the barn, in the

dairy, the workshop and the house. You'll be surprised the time they'll save. The cost is low. America, a steady going, reliable timepiece and alarm, at \$1.50. Others up to \$4.75.

Pocket Ben is a husky watch that's built for heavy duty, for work in the field or wood lot. The same time in your overall pocket that's in the kitchen. It brings your appetite to the house at just the right time. Pocket Ben, \$1.50.

See the full line where Westclox are sold. Each has the trade mark Westclox on the dial and on the six-sided, orange-bordered tag.

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Big Ben	Baby Ben	America	Sleep-Meter	Jack o' Lantern	Pocket Ben	Gle-Ben
\$3.50	\$3.50	\$1.50	\$2.00	\$3.00	\$1.50	\$2.50

From a Shack to a Bungalow

Plucky Farm Woman Rebuilds a Dilapidated Home

BY MRS. MARY LYONS CAIRNS
Boulder, Colo.



Nothing Could Have Been More Discouraging and Disappointing to a Young Woman Who Came From the East to the West Than This House at First

MANY women in our farming sections have passed their lives in tiny houses, having no conveniences and but few comforts. Some of them have had the courage to rebel, and many more would do so if they could only realize what a small portion of the farm's finances would be required to make a cozy home.

The Idaho farm house pictured here shows clearly what can be done in the way of transformation. The first picture reveals just a barren, ugly shack—no porches, no fence to separate it from the barns, only one small tree and one shrub, and a pump set at the side of the house, unsheltered from the snow and rain and not even decently near the kitchen door.

The Eastern bride who came out here to live was undaunted in her purpose to make a home from what seemed to be an impossible beginning. She had heard of the unhappy family who had preceded her on the ranch, and of how the wife had longed for better things, but had failed to either cajole or demand improvements. She quietly took things into her own hands, saw what was needed and had it done. A kitchen and a kitchen-porch were added, and water was taken into the house. A spacious porch was placed across the front of the house and along one entire side. Part of this was screened in and is used as a sleeping porch during the summer. A long cottage window transformed the living room. The ugly clapboards were covered with stained shingles, more trees and shrubs were planted, and a wire fence was placed around the door yard.

All of this work was done while the husband was away on a visit to his mother, and it would be hard to find a man more pleased than he was upon his return. His pleasure was only surpassed by his pride in his wife's achievement.

Four years elapsed between the first and second photos, and the trees now afford delightful shade. Simple but effective furnishings are used in all the rooms, and the mistress of the "Lazy Bee" has evolved a house that is, in every detail, worthy of the name of home.

There are many shacks and old houses in Kansas and Colorado that can be just as easily transformed into homes of comfort and beauty as was

done in this case. A great deal of the work can be done when other work on the farm is slack and the entire expense can be kept within a reasonable limit. Many good suggestions will be found in some of the house designs and plans that are now being published in the Kansas Farmer and Mail and Breeze from week to week.

In some instances it may be thought best to tear down the old building, but even when this is done practically all of the old lumber can be saved and put into the new building. Make the home comfortable and attractive and there will not be so many of our boys and girls trying to leave the farm for the bright lights and the lure of the city.

His Biggest Income in 1921

(Continued from Page 3)

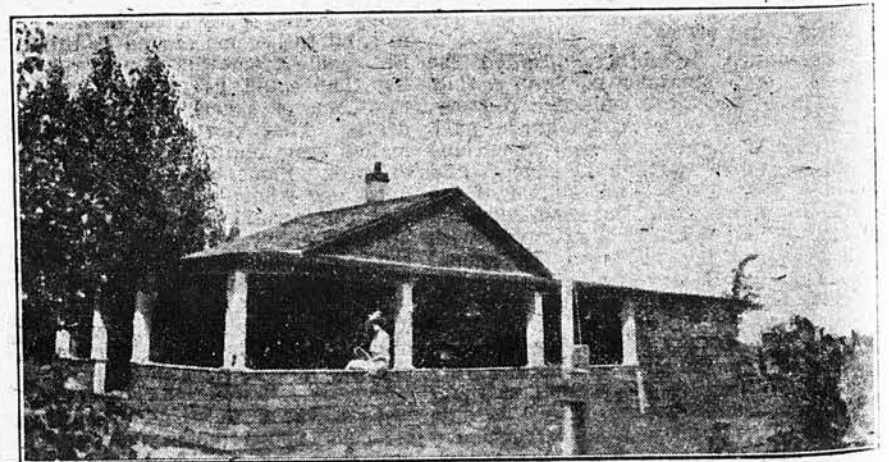
will clean up. Eschmann previously has used cane and kafir for silage. Pink kafir made excellent silage last year. Corn will be used in 1922. The silo is 14 by 32 feet in size and is made of cement staves. It was built seven years ago.

The grain ration consists of 2 parts of bran, 2 parts of oats and 2 parts of corn. The cows receive 1 pound of this mixture in two feedings to every 3½ or 4 pounds of milk they produce.

Eight years ago Eschmann was the owner of 80 acres which he had built up by careful husbandry until the soil was so fertile that it was difficult to raise wheat on it. Neighbors thought he had lost his judgment and was making a serious mistake when Eschmann traded that eighty for a quarter section farm that had been cropped to molasses cane for so long that it no longer would produce a good yield of anything.

Eschmann stopped growing cane, got some livestock, planted alfalfa and spread manure. Every year the fertility of the soil was increased and he obtained bigger yields. In 1921 he was offered \$10,000 more for the 160-acre farm than he ever had been offered for his original eighty.

Constantly Mr. Eschmann is seeking efficiency in management. He now plans to remodel his barn and put all the stalls at the west side so the cows may benefit from more sunlight.



From the Old Shack in Four Years' Time a Modern Bungalow Was Evolved That Was Cozy, Attractive and Comfortable in Every Way Possible



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The Indian Drum

(Continued from Page 9)

air, full of life and with the scent of the evergreen trees about the house.

The "cottage" of some twenty rooms stood among the pines and hemlocks interspersed with hardwood on "the Point," where were the great fine summer homes of the wealthier "resorters." White, narrow roads, just wide enough for two automobiles to pass abreast, wound like a labyrinth among the tree trunks; and the sound of the wind among the pine needles was mingled with the soft lapping of water. To south and east from her stretched Little Traverse—one of the most beautiful bits of water of the lakes; across from her, beyond the wrinkling water of the bay, the larger town—Petoskey—with its hilly streets pitching down steeply to the water's edge and the docks, and with its great resort hotels, was plainly visible. To westward, from the white life-saving station and the lighthouse, the point ran out in shingle, bone white, outcropping above the water; then for miles away the shallow water was treacherous green and white to where at the north, around the bend of the shore, it deepened and grew blue again, and a single white tower—Île-aux-Galets Light—kept watch above it.

Wild Land of Adventure

This was Uncle Benny's country. Here, twenty-five years before, he had first met Henry, whose birthplace—a farm, deserted now—was only a few miles back among the hills. Here, before that, Uncle Benny had been a young man, active, vigorous, ambitious. He loved this country for itself and for its traditions. Its Indian legends and fantastic stories. Half her own love for it—and, since her childhood, it had been to her a region of delight—was due to him and to the things he had told her about it. Distinct and definite memories of that companionship came to her. This little bay, which had become now for the most part only a summer playground for such as she, had been once a place where he and other men had struggled to grow rich

swiftly; he had outlined for her the ruined lumber docks and pointed out to her the locations of the dismantled sawmills. It was he who had told her the names of the freighters passing far out, and the names of the lighthouses, and something about each.

He had told her too about the Indians. She remembered one starry night when he had pointed out to her in the sky the Indian "Way of Ghosts," the Milky Way, along which, by ancient Indian belief, the souls of Indians traveled up to heaven; and how, later, lying on the recessed seat beside the fireplace where she could touch the dogs upon the hearth, he had pointed out to her thru the window the Indian "Way of Dogs" among the constellations, by which the dogs too could make that journey. It was he who had told her about Michabou and the animals; and he had been the first to tell her of the Drum.

The disgrace, unhappiness, the threat of something worse, which must have made death a relief to Uncle Benny, she had seen passed on now to Alan. What more had come to Alan since she had last heard of him? Some terrible substance to his fancies which would assail him again as she had seen him assailed after Luke had come? Might another attack have been made upon him similar to that which he had met in Chicago?

Word had reached her father thru shipping circles in May and again in July which told of inquiries regarding Uncle Benny which made her and her father believe that Alan was searching for his father on the lakes. Now these articles which had arrived made plain to her that he would never find Uncle Benny; he would learn, thru others or thru themselves, that Uncle Benny was dead. Would he believe then that there was no longer any chance of learning what his father had done? Would he remain away because of that, not letting her see or hear from him again?

She went back and picked up the wedding ring. The thought which had come to her that this was Alan's mother's wedding ring, had fastened itself upon her with a sense of certainty. It defied that unknown mother; it freed her, at least, from the stigma which Constance's own mother had been so ready to cast. Constance could not yet begin to place Uncle Benny in

The Measure of a Good Farm

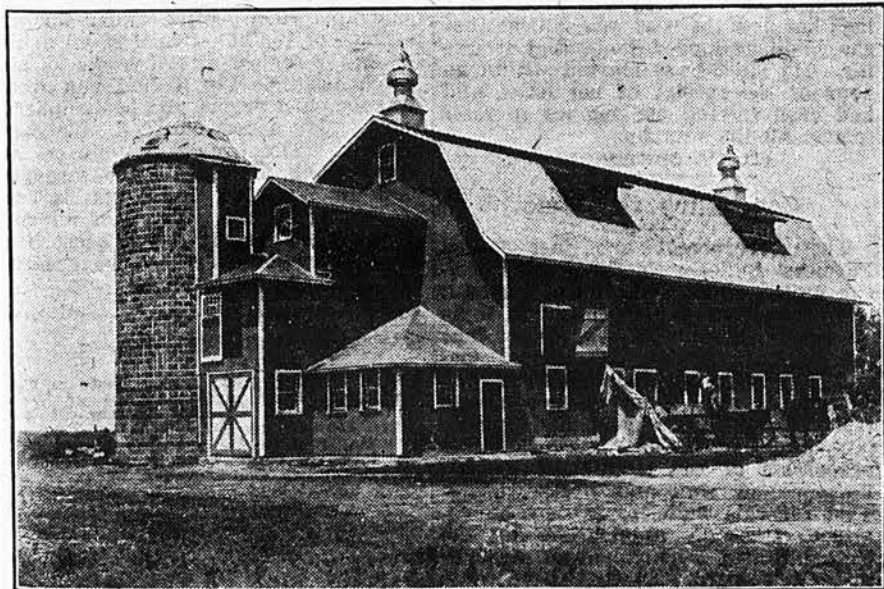
BY FRANK A. MECKEL

OFTEN as you travel thru the country you pass some farms which are very attractive to the eye and others which do not present a single outstanding feature which might catch the eye.

As you pass the first farm, you make a mental note of the beauty and attraction of this particular place, and as you pass the second one, you skip over it and look for the next farm, hoping that it may offer something worth looking at.

Have you ever stopped to consider what it is that makes a farm attractive? If you have, you will know that it is the building equipment and improvements on the land and not the land itself. You admire a beautiful field of wheat or corn, but that does not constitute a beautiful farm. When you see a fine set of buildings, you are immediately impressed, and say to yourself, "Here is a real farm and a real farmer must own it."

Farm buildings should be attractive and well kept as they add so much to the farm. They should be of such a value as to be in keeping with the livestock and crops and machinery which they shelter, but no matter how great or how small a value they may represent, they should always be well kept. Nothing adds more to the life of any building than a coat of paint and small repairs made at the proper time. Such investments always prove profitable.



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Light—Medium—Heavy—Extra Heavy	Per gal.
Iron Drums (50 Gal.)	\$0.80
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drum of En-ar-co Motor Oil. I want it to lubricate.....(Name

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En-ar-co Motor Oil is shipped in iron drums containing fifty gallons, so that the invoice price at 80c per gallon will be \$40.00 per iron drum, package free.

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Think what our trade-mark means on the tools you buy, whether it be a hammer, a saw or any other tool—it is a guarantee of satisfaction, of real service.

A GOOD NAME IS ONE'S GREATEST ASSET. Our tools must be of the highest quality—they are the guardians of our good name.

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WIN \$25! Simply send us your name and address for free picture showing a farmer at work. Pick out the tools used. Best list wins \$25; second prize \$15; third prize \$10. Interesting, instructive. This picture may also be secured from your Hardware Dealer.

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Kansas City, Missouri

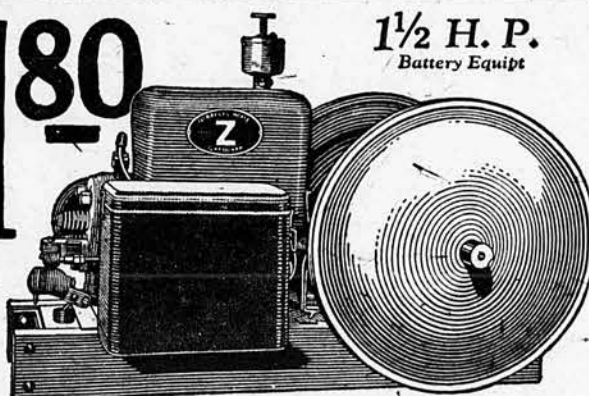


No. R. C. 1 1/2

No. R. C. 1 1/2. Weight of head 16 ounces; Adz Eye; Round Bell Poll, Polished; Round Neck; Black Ebony Finish Claw and Body, Highly Polished, Deep Etched, Polished Hickory Handle. All hammers tested before leaving factory.

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relation to that ring; but she was beginning to be able to think of Alan and his mother. She held the little band of gold tenderly in her hand; she was glad that, as the accusation against his mother had come thru her people, she could tell him soon of this. She could not send the ring to him, not knowing where he was; that was too much risk. But she could ask him to come to her; this gave that right.

She sat thoughtful for several minutes, the ring clasped warmly in her hand; then she went to her desk and wrote:

Mr. John Welton,
Blue Rapids, Kan.

Dear Mr. Welton:

It is possible that Alan Conrad has mentioned me—or at least told you of my father—in connection with his stay in Chicago. After Alan left Chicago, my father wrote twice to his Blue Rapids address, but evidently he had instructed the postmaster there to forward his mail and had not made any change in those instructions, for the letters were returned to Alan's address and in that way came back to us. We did not like to press inquiries further than that, as of course he could have communicated with us if he had not felt that there was some reason for not doing so. Now, however, something of such supreme importance to him has come to us that it is necessary for us to get word to him at once. If you can tell me the address at which he can be reached by telegraph or mail—or where a messenger can find him—it will oblige us very much and will be to his interest.

She hesitated, about to sign it; then, impulsively, she added:

I trust you know that we have Alan's interest at heart and that you can safely tell us anything you may know as to where he is or what he may be doing. We all liked him here so very much. * * *

She signed her name. There were still two other letters to write. Only the handwriting of the address on the package, the Manitowoc postmark and the shoe box furnished clue to the sender of the ring and the watch and the other things. Constance herself could not trace those clues, but Henry or her father could. She wrote to both of them, therefore, describing the articles which had come and relating what she had done. Then she rang for a servant and sent the letters to the post. They were in time to catch the "dummy" train around the bay and, at Petoskey, would get into the afternoon mail. The two for Chicago would be delivered early the next morning, so she could expect replies from Henry and her father on the second day; the letter to Kansas, of course, would take much longer than that.

But the next noon she received a wire from Henry that he was "coming up." It did not surprise her, as she had expected him the end of the week. Late that evening, she sat with her mother on the wide, screened veranda. The breeze among the pines had died away; the lake was calm. A half moon hung midway in the sky, making plain the hills about the bay and casting a broadening way of silver on the mirror/surface of the water. The lights of some boat turning in between the points and moving swiftly caught her attention: As it entered the path of the moonlight, its look was so like that of Henry's power yacht that she arose. She had not expected him until morning; but now the boat was so near that she could no longer doubt that it was his. He must have started within an hour of the receipt of her letter and had been forcing his engines to their fastest all the way up.

(TO BE CONTINUED.)

Controlling the Moles

The Government has just issued Farmers' Bulletin No. 1,247 on American Moles, which tells of its use as a fur producer and also considers it as an agricultural pest. It shows that the only practicable measure of control is trapping, and tells of the methods to use. Every farmer who is troubled with this field and garden pest, and that includes a considerable proportion of the readers of Kansas Farmer and Mail and Breeze, has a need for this bulletin. It may be obtained free on application to the United States Department of Agriculture, Washington, D. C.

Newspapers in Russia cost 2,000 rubles a copy.

White Diarrhea

Remarkable Experience of Mrs. C. M. Bradshaw in Preventing White Diarrhea

The following letter will no doubt be of utmost interest to poultry raisers who have had serious losses from White Diarrhea. We will let Mrs. Bradshaw tell of her experience in her own words:

"Gentlemen: 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. 47, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c 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, Iowa."

Cause of White Diarrhea

White Diarrhea is caused by the Bacillus Bacterium Pullorum. This germ is transmitted to the baby chick through the yolk of the newly hatched egg. Readers are warned to beware of White Diarrhea. Don't wait until it kills half your chicks. Take the "stitch in time that saves nine." Remember, there is scarcely a hatch without some infected chicks. Don't let these few infect your entire flock. Prevent it. Give Walko in all drinking water for the first two weeks and you won't lose one chick where you lost hundreds before. These letters prove it:

Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ind., writes: "I have lost my share of chicks from White Diarrhea. Finally I sent for two packages of Walko. I raised over 500 chicks and I never lost a single chick from White Diarrhea. Walko not only prevents White Diarrhea, but it gives the chicks strength and vigor; they develop quicker and feather earlier."

Never Lost One After First Dose

Mrs. Ethel Rhoades, Shenandoah, Iowa, writes: "My first incubator chicks, when but a few days old, began to die by the dozen with White Diarrhea. I tried different remedies and was about discouraged with the chicken business. Finally, I sent to the Walker Remedy Co., Waterloo, Iowa, for a box of their Walko White Diarrhea Remedy. It's just the only thing for this terrible disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."

You Run No Risk

We will send Walko White Diarrhea Remedy entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in baby chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send 50c for package of Walko—give it in all drinking water for the first two weeks and watch results. You'll find you won't lose one chick where you lost hundreds before. It's a positive fact. We guarantee it. The Leavitt & Johnson National Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of this guarantee. You run no risk. If you don't find it the greatest little chick saver you ever used, your money will be instantly refunded.

WALKER REMEDY CO., Dept. 47, Waterloo, Iowa.

Send me the [] 50c regular size (or [] \$1 economical large size) package of Walko White Diarrhea Remedy to try at your risk. Send it on your positive guarantee to instantly refund my money if not satisfied in every way. I am enclosing 50c (or \$1.00). (P. O. money order, check or currency acceptable.)

Name

Town

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

Mark (X) in square indicating size package wanted. Large package contains nearly three times as much as small. No war tax.

Cow, Sow, Hen Idea Over Big

Farmers Welcome Information Brought by Santa Fe

BY RAY YARNELL

KANSAS farmers are anxious to be sold on the utility of the cow and the sow and the hen and on the best methods of converting that utility into cash profit. Evidence of that fact developed at every stop made by the Santa Fe Cow, Sow and Hen special on its tour thru the state from May 1 to May 15.

This livestock trio has meant so much to so many Kansas farmers in the last two or three years especially that they desire to learn everything there is to know about it and how to employ the cow, sow and hen as partners in their farming operations.

And it is no wonder. Hens have paid the grocery bills for countless Kansas farmers for two years past. The cows have met the running expenses of the farm and kept the mortgage man away and the hogs, where they were given a chance, have rooted out a good profit. But it has been the farm on which all three were present that has made the biggest headway under difficulties.

Belief that this system of diversified farming was essential to the best interests of Kansas and knowing that the Kansas State Agricultural College possessed a large fund of information that would be of great value if it could be placed in the hands of the farmers immediately, the Santa Fe Railway company offered to finance the job of getting this information direct to the farmers. The college lacked the funds to do it. The Santa Fe, anxious to develop the state because it has more miles of track in Kansas than in any other state, was willing to foot the bill and it is a big one.

The cow, sow and hen special was the result. It consisted of eight cars, three coaches, three exhibit cars, a feed car and a business car for the speakers. On the tour it visited every part of the state except the northeast and northwest corners.

Crowds Turn Out Despite Rain

It started May 1 in the rain but the crowds turned out just the same. The first two days there was an average of 800 persons at every stop and big crowds kept coming.

On the train were livestock exhibits consisting of five dairy animals, Jersey, Ayrshire, Guernsey, and Holstein; two sows, a Poland China and a Duroc Jersey; and a large exhibit of poultry.

The Kansas State Agricultural College supplied the speakers including L. E. Call, agronomist; N. L. Harris, poultry specialist; Dr. C. W. McCampbell, animal husbandry; J. B. Fitch, dairy husbandry; S. C. Salmon, agronomist; W. A. Lippencott, poultry husbandry; and W. T. Crandall, dairy husbandry.

Interest of farmers in the exhibits and the things the speakers said was intense. The crowds did not mill around. They gathered up close to the open car on which the livestock exhibits were shown, refusing to leave until the speakers finished even tho it was raining. Folks don't stand out and get wet unless they are rather vitally interested in what is going on.

In every part of the state visited by the train much has been done with cows and sows and hens but more remains to be accomplished. Farmers who are working with the profit trio came in to visit the train and learn all

they could about their best money makers.

Many questions were asked at every stop concerning feeding problems, the type of hogs to grow to get the best prices, how to develop a flock to get more eggs, the advantages of various types of dairy cows, crops to grow for feed and to build up soil that many farmers are discovering is losing some of its once rich fertility due to long cropping and failure to fertilize it.

All the expenses of the tour were paid by the Santa Fe railway company. Meals were served on the car. The special was in charge of F. P. Cruice, manager of the agricultural and industrial development department and Frank Jarrell, editor of the Earth, and manager of the publicity department. During the tour a number of Santa Fe officials spent some time with the train.

No Cellar Stairs for Worth

(Continued from Page 7)

of cool water by simply opening the faucet and allowing the water to run out for a few minutes.

The house is heated by a hot water furnace and is lighted with electricity. The Worths are rather strong for things electrical and for labor-saving devices both in the house and on the farm because, they say, these machines save time and make living more worth while.

Close to the back porch and connected with it by a cement platform, is the milk, pump and wash house, a combination of three rooms under one roof. In this are installed the electric light plant, a large gasoline engine which supplies power for pumping and washing, a power washing machine, a small gasoline engine and milk handling equipment.

Both hard and soft water is pumped to the wash house. Pipes are equipped with swivel joints near the faucets so water may be turned from one tub to another by pushing the pipe around. This saves a lot of lifting of tubs and boilers. A similar attachment is on the pipe over the washer making it easy to change the rinse water.

"I've never regretted a penny I have spent for conveniences about the house," said Mr. Worth. "They have paid for themselves many times over in addition to making living and working a great deal more pleasant."

The Farmers' Calendar

May 16-18—Annual Convention of Kansas City Grain Dealers' Association, Wichita, Kan.

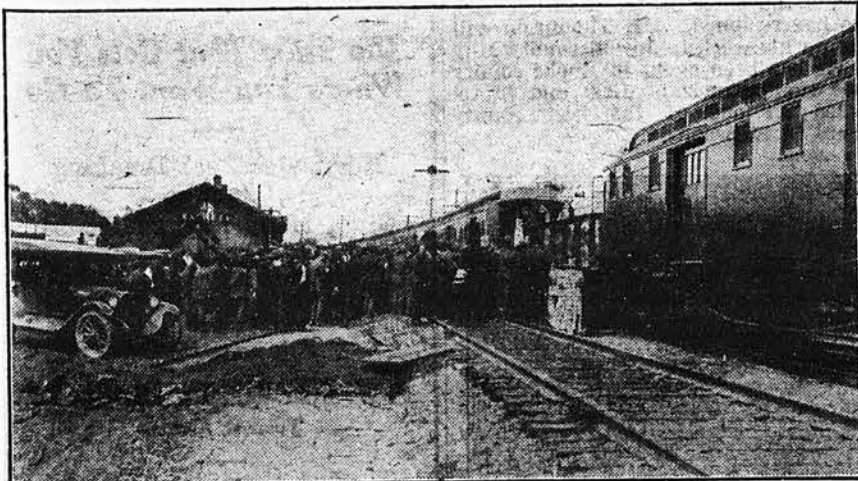
May 18-19—Meeting of the National Livestock Exchange, Kansas City, Mo.

June 7-10—Holstein-Friesian Association, Convention Hall, Kansas City, Mo.

September 11-16—Kansas Free Fair, Topeka, Kan.

September 16-22—Kansas State Fair, Hutchinson, Kan.

November 18-25—American Royal Livestock Show, New Exposition Building, Kansas City, Mo.



Big Crowds Turned Out at Every Stop of the Santa Fe Cow, Sow and Hen Special on Its Tour Thru Kansas. This is at Garnett



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WIN \$1000.00

SEND NO MONEY!



Get the Big Picture Puzzle FREE

Send at once for big clear copy of the small picture, puzzle shown here. Complete instructions and full details will be sent at once by first class mail. Do not try to solve puzzle from the picture, but get a good clear copy to work from.

FIND THE MOST OBJECTS BEGINNING WITH "C"

You can find quite a few "C" objects in the above picture even though it is small. Get the big free picture and full details and if you intend to go in for the big prize, send no money but just use the coupon and make your answer eligible for the big prize at once.

FOLLOW THESE RULES

First prize will be given for the largest number of words which correctly name objects shown in the picture beginning with "C". Prizes will be awarded according to the prize list shown here and in case of ties the full amount of the prize will be awarded each tying contestant. Each object can be named only once. Webster's New International Dictionary will be used as authority for all words by the judges, and one credit will be given for each correct word and one credit deducted for each incorrect word. Do not include obsolete, hyphenated or compound words. Winning lists will be based upon all the applicable words submitted and not from any master or predetermined list. Where the singular is used the plural cannot be used and vice versa. Where several synonyms are equally applicable to any object, any one of such synonyms will be given credit. Answers must be mailed by June 24, 1922. The winning answers will be published and a copy sent to anyone sending in a self addressed stamped envelope.

The Prizes

Winning answers will receive prizes as follows:

	If No Laymore Is Ordered	If \$2 Worth of Laymore Is Ordered
1st	\$20.00	\$1000.00
2nd	15.00	300.00
3rd	10.00	150.00
4th	5.00	75.00
5th	5.00	40.00
6th	3.00	30.00
7th	3.00	20.00
8th	3.00	20.00
9th	2.00	15.00
10 to 15	2.00	10.00

Laymore

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SEND NO MONEY

Thousands of poultry raisers are making big money by using Laymore. This scientific discovery acts on the laying organs of the hen with amazing results. In order to get more people acquainted with Laymore we are putting out this big booster picture puzzle campaign. If no Laymore is purchased 1st prize will be \$20.00; but if you wish to try for the big \$1000.00 prize fill out the coupon and the Laymore will be sent without your advancing one penny. Pay the postman \$2.00 plus the small postage fee and your answer will be eligible for the \$1000.00 prize. The Laymore will be sent at once, but your answer can be mailed any time up to June 24th. Mail the coupon now.

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MAYER CO., 620 Washington Ave. North MINNEAPOLIS, MINN.

Send me the big picture puzzle and full instructions FREE. Also send me 5 packages of Laymore for which I agree to pay the postman \$2.00, plus postage, on arrival. This order makes the answer I will send in eligible for the big \$1000.00 Prize.

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TOWN _____

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MORE than merely low price sets Ingersoll apart from every other watch. There are other low-priced watches.

Ingersoll watches are reliable, sturdy, honestly good-looking, as well as sold for so little money. Your dealer will show you the complete line.

Announcement

By an arrangement completed on March 31st, the Ingersoll assets were purchased by the Waterbury Clock Company. Thus Ingersolls are now marketed directly by the manufacturers, who have made Ingersolls from the beginning.

Ingersoll Watch Co., Inc.
New York Chicago
San Francisco

FARM SANITATION Kreso Dip No. 1 (Standardized) Parasiticide and Disinfectant for all Live Stock and Poultry

SEND FOR FREE BOOKLETS:

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- No. 160. Hog Diseases.
- No. 163. Care of Poultry.
- No. 185. How to Build a Hog Wallow.

Kreso Dip No. 1 in original packages is sold at all drug stores.

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Parke, Davis & Company
DETROIT, MICH.

Haying Time Cut in Half

Save time, labor and money by putting up this year's hay crop easily and quickly with

The Jayhawk

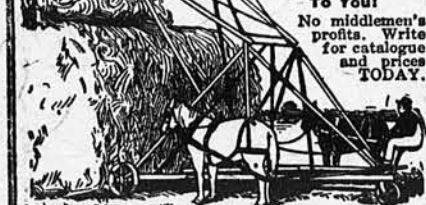
Stacker and Sweep Rakes

"Two boys and myself can put up more hay with the Jayhawk Stacker than 40 Mexicans," says A. Barter, Mercedes, Texas.

Light—easy to operate—a boy can run it. No ropes or pulleys—entirely automatic. Wood or steel. Elevates full load of sweep rake 20 to 25 feet and puts it exactly where wanted. Saves hay, teams and days. Prevents loss of crop after cutting.

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Farm Organization News

BY RURAL CORRESPONDENTS

KANSAS will pool its wool again this year along with growers in Iowa, Indiana, Ohio, Michigan, and a number of Western states. H. J. Winslow, Dalton, president of the Kansas Sheep and Wool Growers' Association, recently signed a contract with the National Wool Warehouse in Chicago, the largest co-operative wool warehouse in the United States. Kansas wool will be shipped to this warehouse this year. At that place it will be possible to feed the wool on the market as it is demanded. The handling charges have been reduced since the 1921 pool was sold.

Good Dairy Records in Leavenworth

Two dairymen in Leavenworth county who have started purebred Holstein cows on an official test have made some good records, according to I. N. Chapman, county agent. George Redmon of Tonganoxie, has a cow Sunflower Buttercup Pontiac, which when 5 years old made 24.37 pounds of butter and 516 pounds of milk in seven days. A purebred heifer, Wakarusa Blanche Homestead made a record of 12.95 pounds of butter and 290.1 pounds of milk in seven days. She is 2 years, 5 months old. Lady Bonzolia Rag Apple, belonging to Vern Smith, made a record of 11.47 pounds of butter and 233 pounds of milk in seven days.

High School Stock Judging Contests

Four high schools in Jefferson county have signified their intention of entering teams in the livestock judging contest to be held at the Valley Falls Fair and Stock Show to be held next September, according to Joe M. Goodwin, county agent. Merriden, Winchester, McLouth and Valley Falls High schools have signified their intention to send teams. Mr. Goodwin will give some instruction in judging work this spring. He says other schools in the county are considering entering a team and may be represented in the contest.

Corn Root Rot Reported

Corn root rot has been discovered in the vicinity of Bonner Springs, according to C. A. Patterson, Wyandotte county agent. C. A. Stokdyk, extension specialist from Kansas State Agricultural College, and Paul Mize, vocational agricultural instructor at Bonner Springs, found considerable root rot in corn in the germination tests made at the school this spring. Mr. Stokdyk said the amount of rot present would decrease the yield 50 per cent had this corn been used for seed.

Acre Orchards for Nemaha County

A number of acre orchards are being put out in Nemaha county this year, according to E. L. McIntosh, county agent. He says three of the orchards already have been established. He is urging others who desire orchards to make application at once since all orchards must be planted before May 1. Mr. McIntosh is giving farmers information on spraying and care of home orchards. He reports that fruit prospects in Nemaha county are good.

Good Way To Dehorn Calves

At a cost of 10 cents and a little trouble John Humphrey of Pawnee Station dehorned all his calves when 2 or 3 weeks old, according to A. C. Maloney, Bourbon County agent. Mr. Humphrey uses caustic potash when the calves are old enough that the but-

tons, where the horns are starting, can be felt. He rubs the skin over these buttons with the blade of a knife, wets a spot a little smaller than a dime, and rubs it with a stick of caustic potash.

This does a clean job, according to Mr. Humphrey, and is easier than waiting until the animals are grown when the horns will have to be sawed off. Mr. Humphrey reports that 10 cents worth of caustic potash will dehorn a whole herd of calves.

National Grange Comes to Kansas

The Granges over the state are taking active interest in getting ready for the National Grange Meet to be held in Kansas next November. Two counties have given sixth degree classes and several other counties are preparing for sixth degree work as soon as it can be reached. The State Grange has offered to send a degree team to put on the sixth degree where 200 candidates will be presented.

A Remarkable Corn Yield

Cloud county has a farmer who received an extraordinary corn yield last year. Theo F. Yost, county agent says T. J. Sizelove of Miltonvale got an average of 61 bushels an acre on 56 acres of Iowa Silvermine planting. The corn was grown on bottom land. The quality of the seed, the soil, the cultural methods and the weather are the factors which determine the yield, Mr. Yost says.

Sow Farrows 13 Pigs

Harry Bryan, pig club boy in Pratt county, has a sow which farrowed 13 pigs and saved 11 of them, according to V. S. Crippen, county agent. Mr. Crippen says another sow, a gilt, belonging to Harry farrowed 13 pigs and saved all. The hogs are Duroc Jerseys.

Wool Pool for Montgomery Farmers

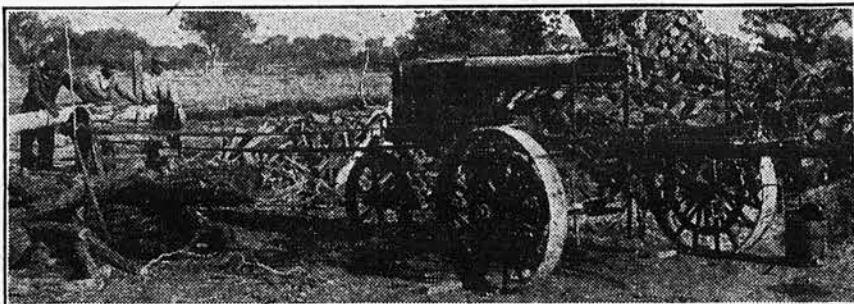
The Montgomery County Sheep and Wool Growers' Association have decided to pool their wool again this year, according to C. N. Bolt of Sycamore, president of the county association. Walter Krone, Rodger Frye and Lee De Mott were appointed as a pooling committee. It was voted to order 50 sacks and 50 pounds of twine.

Boosts Cow-Testing Work

Henry Hatesohl of Greenleaf is an active booster for the Washington County Cow Testing Association, organized by the Washington County Farm Bureau, according to John V. Hepler, county agent. For the year ending March 1, 1922, eight 3-year-old heifers belonging to Mr. Hatesohl averaged 338 pounds of butterfat. Mr. Hatesohl says the additional value of calves from heifers producing that much butterfat paid for the cost of the testing work for the year, and that by increasing the value of one heifer calf from a high producing cow it has paid for farm bureau dues for several years to come.

Jewell County Gets Thompson

Kyle D. Thompson, formerly county agent in Rooks county, has been elected as county agent for Jewell county, to take the place of W. W. Aloughton, who has resigned. Mr. Thompson will take up his work in Jewell county May 15. He has been agent in Rooks county since the summer of 1920 and is regarded as one of the best county agents in Kansas.



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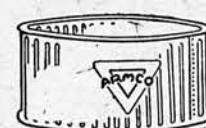
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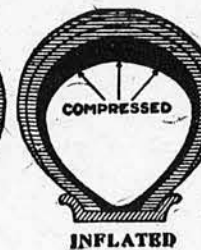
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Garrettsville, Ohio

Middle West Plains News

BY EARLE H. WHITMAN

A MELON growers' association was formed at Great Bend, Kan., recently. Thirty-five men were present and 100 acres of melons were reported. This is a considerable increase over the acreage for last year on the same farms. The county agent says it is probable that the melon acreage this year will be about three times as large as last year. This will mean that a large number of melons must be shipped out.

Had Judging Contest at Hays

One of the most interesting features of the recent Round-Up at Hays, Kan., was the boys' judging contest, in which 13 teams and 10 individual boys participated. On teams as a whole, Ellis and Rooks counties split honors evenly. Hays High School winning, first place; Webster High School of Rooks county, second, and Woodston High of Rooks tying with Fairview Pig Club of Ellis for third place.

Medals and cash prizes offered to boys making highest individual scores were won by the following boys, in the order named: Len Kraus, Pleasant Hill Dairy Club, Ellis county; Edgar Kraus, same club; Orville Reeves, Woodston High School; Clifford Johnson, Webster High School, Rooks county; Clyde Bloxom, Ashland High School, Clark county; Wilfred Truan, Hays High School; Reginald Phelps, Webster High; Albert Schoonover, Minneola High School, Clark county; Oliver Baker, Fairview Pig Club; Orville Schultz, Colby High School, Thomas county; Clyde Ellis, Hays High; Lincoln Walz, Hays High; Boyd Burton, Webster High. Ties were numerous and showed the high quality of work done by the contestants.

High scores by classes were made by Harry Daniels, Ashland High School, on dairy cattle; Clarence Shelton, Minneola High, on hogs; Clyde Ellis, on sheep; Ward Phillips, Ellis county, on horses, and Theodore Ochs, Rush county, on Hereford bulls.

Improving State Roads

Tremendous expenditures on road improvement are being planned this year by the Colorado state highway department. The state has a total of 48,000 miles of roads, of which 8,135 miles have been selected as state roads, and on which state money is to be spent. Of the state roads, 1,100 miles have been improved, and contracts for the improvement of 220 additional miles have been let.

The budget for 1922 calls for the expenditure of \$11,245,935—the largest amount ever authorized for road building purposes in Colorado.

Rabbits Poison Crows

Dave Coughlin, a Cloud county, Kansas farmer, has found a way to poison crows, according to Theodore F. Yost, county agent. Mr. Coughlin poisons a rabbit carcass with strychnine and hangs it high on a pole in places frequented by crows. This keeps domestic animals from getting to the poisoned carcass. Care should be taken to fasten the rabbit securely. Mr. Coughlin says, since there is danger of killing useful animals if the poison gets within reach of them.

Will Consider Harvest Problems

A harvest labor conference for Hodgeman county, Kansas, has been set for May 25, at the court house in Jetmore, according to Duke D. Brown, county agent.

Only Purebreds for Him

"I used to keep a bunch of scrub cattle, and in the fall when a buyer would come around I'd just give as the name of the breed whatever most of the cattle looked like," says M. R. Baker, a Wallace county, Kansas, farmer. "Of course, the calves always were uneven and difficult to sell. Finally I bought a carload of high grade Hereford cows and a purebred sire of good breeding. That fall I got an average of \$33 for my calves, whereas the average price for ordinary scrubs in the neighborhood was \$25.

"Naturally, the next step was to get some purebred cows, for I could see they would be an even bigger advan-

tage over the grades than the grades were over scrubs. Now I have a bunch of 75 purebred cows, and never lack a buyer for bull calves at not less than \$100 apiece. I never sell any of the heifer calves. My stuff goes to farmers right in the county, and I prefer to have it that way. The advantage is obvious, for if a buyer comes to me for something I can't supply, I can refer him to a neighbor who has what he wants. The result is that he will come back to our county when in the market for something more."

Mr. Baker believes in purebred hogs, chickens and seeds as well as in purebred cattle. "Pure seed is just as important as pure blood in livestock, and we should realize it," he declares.

Colorado Shorthorn Milk Records

Duchess Clay has completed a senior 2-year old record at Pine Valley Dairy & Farms Company, Colorado Springs, Colo., of 12,318 pounds of milk and 410 pounds of butterfat, making her the second highest on the Shorthorn list for that age. Her own sister, Imperial Duchess, has completed a 4-year old record of 11,589 pounds of milk

and 431 pounds of butterfat. These two cows are sired by Imperial Clay and their dam is a Scotch-topped cow, Scotch Duchess 5th. A paternal sister of the two cows, Ruth Clay, has completed a 4-year old record of 10,837 pounds of milk and 462 pounds of butterfat. This gave Pine Valley Farm three daughters of Imperial Clay with recently completed records averaging 11,581 pounds of milk and 434 pounds of butterfat.

Pine Valley Lass, a 3-year old Shorthorn cow at Bonvue Farms, Golden, Colo., has completed a record of 10,048 pounds of milk and 399 pounds of butterfat in a year. She is by Royal Buttercup 2nd out of Lady Victor, having a yearly record of 8,089 pounds of milk and 334 pounds of butterfat. Pine Valley Lass is a distaff sister of Victoria, that has a 5-year old record of 15,483 pounds of milk and 569 pounds of butterfat.

Here's a New Wind Story

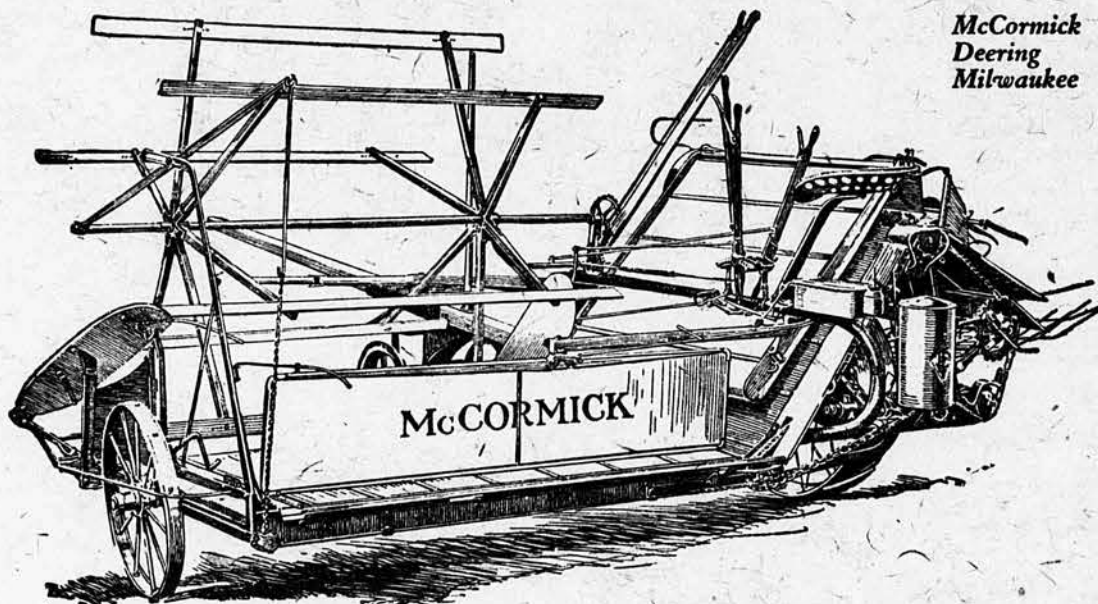
Many tales are told concerning the feats of Kansas winds, but a new one comes from Pratt county. On the E. W. Moore farm was an empty stock tank, of about 20 barrels capacity. A recent heavy wind raised the tank on edge and started it rolling out across the fields. Nobody at the house happened to see it leave, but the trail was plain. The tank went over 10 wire fences in its journey and finally lodged, unharmed, among some trees about 4 miles from the Moore home.

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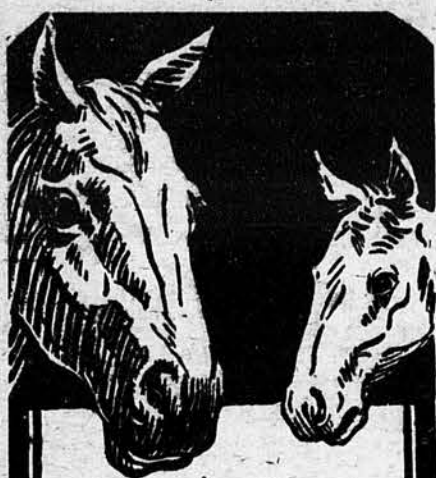
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Jayhawker's Farm Notes

By Harley Hatch

THIS is hard weather on farm animals out in the pasture, which is where most of them are now. On the Jayhawker Farm half the cattle are in the creek pasture and they have access to the yards and sheds so the storms do not trouble them and they are making good gains as grass in this pasture is plentiful, the bluegrass in the timber being especially good.

This cool, damp weather seems to agree with wheat and bluegrass but prairie grass is very slow in starting. The remainder of the cattle are in an open pasture where there are no sheds and while there is a fair growth of bluegrass there is not so much for stock to eat as in the creek pasture and there is not the shelter that the creek timber affords. Because of this fact, we moved the feed bunks out to this upper pasture and once a day we give the stock there a good feed of ground corn and oats. They would eat but little hay but they do like the ground feed and it gives them strength to stand the disagreeable weather.

Young Hens Best Layers

Another draft and we will have our old hens about all cleaned out. So far all we have sold have brought 20 cents a pound, which is nearer the war price than any other farm product brings. These old hens had laid their spring quota of eggs and they would have produced few after May 1. Our experience with Plymouth Rock hens more than 2 years old is, that after May 1 they get broody and quit laying.

We do not ordinarily plan to keep hens past the second year but last fall we kept about 60 over because of a scarcity of pullets. We had enough chickens hatched last spring to take the place of all the old hens but more than 65 per cent of them proved to be roosters. One neighbor, who bought eggs from us to fill her incubator, had but two pullets out of 85 chickens, while another who also bought eggs of us found a very large proportion of the chickens pullets. I am at a loss to know why there should be such a difference in eggs all laid during the same week.

Horses Now Command Good Prices

There has been a marked advance in the price of horses in this locality during the past month. Not only have horse buyers been picking them up closely but many farmers are buying as well. Most of the farmers who are buying have sold some of their work stock of late for what they regarded as good prices, depending on buying again at a lower price.

In this they have been disappointed for their search discloses an average advance of from \$25 to \$50 a head in good horses since March 1. A typical instance is that of a neighbor who had a good team of mules on which he largely depended to do his work this spring. A buyer visited his place a few days ago and seeing the mules asked whether they were for sale. Our neighbor replied that he would sell them if he could get his price. On being asked what that was he stated a figure so high that he thought he was

sure to keep them. To his surprise, the buyer, after looking the mules over, said "I'll take them." Not being of the backing out kind, he let them go.

This left him short of team force but with the addition of one more good horse he thought he could get his work done, and knowing where there was just such a horse as he desired he went to buy it. He knew this horse had been bought at a sale last winter for \$85 but found that the owner now asked \$135 for it. When the average good farm horse gets to be worth more than \$100 in the country we can fairly say that the horse market is looking up.

State Traveling Libraries

Last week there was as little work to do on the farm as at any time during the winter; even less, perhaps, as the cattle are out on pasture and there is not so much feeding to do. It has been a good time to read and we have been improving it by reading Hamlin Garland's "Daughter of the Middle Border," a companion volume to his "Son of the Middle Border" which was so favorably received several years ago. We like nearly all of Garland's books; they are American and they bring to most of us a picture of our own experiences, especially to those of us who were, like Garland, "sons of the middle border."

Other good American writers who write sanely and with just the right touch of realism are Mark Twain, the best of all, Booth Tarkington, Irving Bacheller and O. Henry. We are aware that books are very high in price just now and that most of us cannot afford to buy many but never before has there been such a chance for country folks to get the best in literature at so low a cost as is provided by the state traveling libraries.

Farm Folks Like to Read

If you think country folks do not like to read we wish you could be at Sunnyside Grange some evening when a new trunk of books from the state traveling library has just arrived. Each trunk contains 50 volumes and it does not take 15 minutes for the Grangers to virtually empty it. A charge of \$2.50 is made by the state for every trunk of books ordered and this covers everything, including transportation. Any set of books may be kept for six months and this gives ample time for all in the neighborhood to read the books they care for. Any neighborhood in the state can get these books by forming a club of a few members and having one of the number write to Secretary, State Traveling Library, Topeka, Kan. In ordering books you can specify what you wish and, so far as possible, they will be included in the 50 volumes. Country folks can get the best in literature and also most of the latest books from the library in their nearest large town. Country folks are especially welcome at the Burlington library where a charge of but 25 cents is made for the privilege of taking books out for three months. So you see that it is possible for one to read the best books even if he is not able to own them.

Hunter's Oats Ripen Evenly

ALL the oats in a field should ripen the same day if the farmer is to save the maximum amount of grain and get the profit he deserves from the crop. Warren H. Hunter of Rice county, farmer and stockman, has been successful in getting oats to ripen evenly and the way he handled his ground has had a lot to do with it.

Hunter fall plows and leaves the ground rough during the winter. As early in the spring as possible he begins working it into a seedbed, usually harrowing three times. The seedbed is prepared several weeks ahead of seeding. Hunter waits until the soil has warmed up before he plants, but he gets the ground ready so that normal rains will not cause undue delay. Early planted oats have a tendency to ripen unevenly, he has found.

This year many farmers did not prepare their oats ground early with the result that spring rains came and kept them from plowing, delaying planting several weeks. If the fields had been fall plowed and harrowed early this would not have occurred. The way it was the oats crop lost a lot of benefit from the moisture.

Hunter plants 2 bushels of oats to the acre. He tests the drill frequently to see that the right amount of seed actually is going into the ground.

Binder Twine



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Kansas Farmer and Mail and Breeze, Topeka, Kansas.

Enclosed find \$..... for which please send me all the periodicals named in Club No..... for a term of one year each.

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Letters Fresh From the Field

FARMERS are urged to make free use of this page to discuss briefly any matter of general interest to rural communities. Address all letters intended for this purpose to John W. Wilkinson, Farm Letter Department, Kansas Farmer and Mail and Breeze, Topeka, Kan.

War-Priced Bread and \$1 Wheat

Recently we read in the World-Herald of the 1-pound loaf of bread selling in New York for 5 cents. Immediately below followed an announcement by Omaha bakers that it could only be possible to be done as a leader in an advertising campaign, and that every loaf sold represented a loss to the merchant.

Just a day or so later we read the 5-cent loaf of 1-pound had been established in Philadelphia, also in Boston, and that a little later it had invaded Chicago.

Here we are in the midst of the leading wheat producing area of the Nation, but the price of bread has not followed the price of wheat or labor.

A leading bakery of Lincoln stated before the governor's investigating committee that 100 pounds of flour with the water, salt and yeast added would make 112 1-pound loaves of bread; this selling at the price charged in Omaha nets the industry of the bakers \$11.20 a hundredweight for flour. It is selling at retail stores for less than \$4 a hundred pounds, and yet the grocer is making his profit on the flour which the large baker does not have to pay. Omaha, Neb. E. D. Dumas.

Present Day Farm Problems

An inquiry comes from Harvey county asking what we consider to be the most important "Present Day Problems of Agriculture." My personal opinion is that the most pressing problem of the farmer today is the one of making a living, in addition to keeping other necessary expenses paid. If this problem can be solved satisfactorily a number of others pressing for solution will solve themselves. Another problem is to give the farm boy or girl a good education without weaning either one from the farm in the process. No doubt both problems will be solved; in fact, they will have to be solved or the rest of the country will soon be worse off than the farmer. The question of keeping young folks on the farm is even more vital for town people than it is to farmers, as they will soon find out if the present drift to the city continues.

Gridley, Kan. Harley Hatch.

Valued for Honesty and Judgment

I am a stranger to Senator Capper, and his farm papers are new to me save a few copies I have seen here among neighbors, but I have read enough to value Senator Capper both for his editorial work and also for his fearless honesty and good judgment as manifested in the United States Senate.

It is the wish of all good citizens that we had many more U. S. Senators of his morale and mental power. His excellent characteristics are shown in numerous bills and debates which ought to have more influence in Congress. We are thankful that God does not hold us responsible for results, but merely for our intentions and labors. Spade, Neb. L. H. Warner.

Tractor Does Everything

I have a tractor so small it is scarcely worth mentioning the name but it has given me mighty good service. It is the first and only tractor I ever owned, and I bought it in July, 1918.

I have done everything with it where I thought it paid to use a tractor and sometimes where it didn't seem to pay, but where it saved me time or labor.

At the price of horse feed at this time I can do twice as much work with the tractor as I can with six good mules, in the same time and do it for less than the feed for the six mules while they are at work.

I had eight horses and mules when I bought the tractor, so I sold four head and now have more power than I had before. I do not need as much hired help and the horses are relieved of all the hot work and all the hard

knocking which goes with hard plowing, rough harrowing, heavy listing in spring when horses are soft and the tormenting fly time in hot weather. Abilene, Kan. F. W. Glatt.

Farm Credits Legislation

From Springfield, Ill. Journal

Senator Capper, new leader of the farm bloc in Congress, announces its platform for permanent relief of agriculture. To the present time, he says, all efforts in Congress have been centered upon emergency measures for temporary relief. Now attention must be given to measures which will insure the farmer permanent assistance.

Probably the most important of all of them is the proposed Farm Credits bill which will make it possible for the farmer to borrow money at advantageous terms for a period intermediate between the 60 and 90 day loans

of the banks and the long term mortgage.

Senator Capper says that the business man is well served by 60 and 90 day loans, because he turns his stocks several times a year. The building and loan association enables the city man to acquire a home on easy terms within a reasonable period.

The farmer, however, has only one turnover a year. The livestock man may have a turnover only once in two or three years. Sixty and 90 day loans do not meet the needs of the farmer and stockman.

The bill as introduced in Congress renders it possible for banks, under adequate protection, to make farm loans for a period of one year, two years and as high as five years if the conditions warrant them.

Students of the agricultural problem are united in their opinion that legislation which will permit the farmer to borrow on such terms as have been indicated is of the very greatest importance. If such legislation will provide the farmer the capital he requires to carry on his business, as modern times demand it shall be carried on, there certainly are no insurmountable

difficulties in the way. The Government has made it possible for land owners to borrow money for periods of 30 and 40 years from the land banks. Surely it can be made possible for farmers and the stockmen to borrow for one year or five years as may be desired.

Apron Pattern Free

The busy houseworker will readily appreciate our new one piece Apron Pattern as it is the most practical that can be worn and it only takes 2 yards of 36-inch material for apron, size 36. It is simple, attractive and comfortable. The pattern is cut in three sizes; 36, 40, 44 and will be given free with one new one-year subscription to Capper's Farmer at 25c. Be sure and give size you want, and mention pattern No. 9600. Address Capper's Farmer, Apron Dept. 51, Topeka, Kan.—Adv.

James Lane Allen is the only living American author whose birthday is observed in public schools of Kentucky.

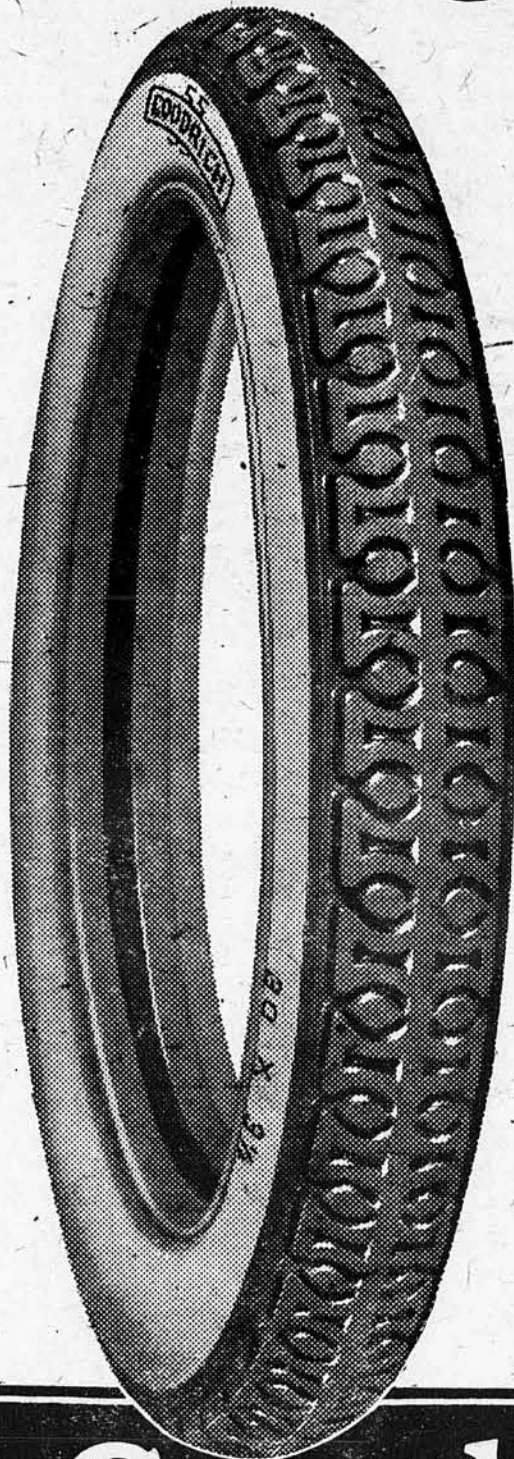
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Capper Pig Club News

Pasture Puts Pigs in Trim and Cuts Feed Costs

BY RAYMOND H. GILKESON
Assistant Club Manager

ARE your pigs making hogs of themselves? Well, you're in the same boat with Clifford Schneider of Marshall county. Clifford says, "I still have all 10 of my pigs and they surely are eating. I am afraid they are going to break me up in business if my rape pasture doesn't hurry a little." Right there is a mighty good thing to think about. How many club members have arranged to have good pasture for the sow and contest litter? It isn't logical to expect pigs to do as well in a dry lot as on good pasture. Not only will the pasture put the pigs in better condition, but it also will hold down on the feed costs. Walter Powers of Brown county realizes the value of pasture. He wrote a few days ago and said he feels well prepared to give his contest litter excellent care, because his father gave him a good patch of alfalfa which he is going to fence off just for his sow and pigs.

Who's Watching You?

Do you ever stop to think that older breeders are interested in the progress you are making? They are, and more folks are watching you than you think. Here is part of a letter from Alva Herlacher: "The breeder from whom I purchased my sow has offered me a prize of \$5 if I win in the contest this year, or if I take any prize with my sow at a county or state fair, or a stock show." Not only are breeders offering prizes, but they always are willing to help Capper Pig Club boys in any way possible. Talk to some of them—it will help you in your business.

Ellis Members are Lively

Mr. Whitman recently visited the experiment station at Hays, Kan., and while there was fortunate enough to see some club members and ex-club members. Hays is in Ellis county, you know, and there is a lively club out there. Aside from being right up to time with the Capper Pig Club work, Oliver Baker won a cash prize in a judging contest, and Charles and Oliver Baker, belonging to the Fairview Pig Club, as well as the Capper club, were partly responsible for their team winning third place in competition with 12 other teams in a judging contest. Perhaps another year will find their team holding first place, and the boys will go to the state judging contest held at the Kansas State Agricultural College every year.

Getting Ahead of "Dad?"

Pigs, pigs, pigs! Seems as if the hog population of Kansas ought to be much bigger by this time, since so many Capper Pig Club boys from every part of the state have reported big, husky, growing contest entries. I can't begin to tell about them all, but what do you think of this report from Verne Jones of Mitchell county: "Helen has nine pigs. Best ones on the place. Of course, I've got Dad handicapped, for I'm feeding all the hogs." Guess that young man is rather putting something across on "Dad," isn't he?

Feed Reports are Correct

The club managers are mighty well pleased with the feed reports, many of which are coming in every mail as this is written. They indicate that this year's club members are studying their work as they go along. That's the only way to make good at anything. You're doing fine—just keep it up.

Counties Show Interest

"How does the pep race suit you? It is a fast one in Morris county, and I suppose it is in others." That's the way Lauren Rumsey, leader of Morris county first team, starts his letter-telling of their first pep meeting. He said further that officers and news reporters were elected and that they were 100 per cent strong for winning the trophy. One of the leading Spotted Poland China breeders of the state explained points about the contest work that were not clearly understood, and

then gave a talk on the care and feeding of sows and litters. "Oh, Morris is out to win, all right," says Lauren, "but everything will be on the square." The next county meeting the boys are to have will be a basket dinner picnic at Council Grove.

The second Capper Pig Club of Morris county certainly is crowding club No. 1 for pep points. The two Morris county teams are working just as if they were in separate counties, and it will be very interesting to watch this part of the race for the pep trophy. An interesting report of the first meeting held by club No. 2 is printed in their county club paper. Part of it reads: "Oh boy, won't we show the other county clubs some hot race? The pep came out when we got together in the county agent's office. We outlined the year's work, elected officers and had a short program. Then Mr. Gwin, the county agent, gave us a short talk about the ration a sow should get, and the care of little pigs. We're going to win the trophy—watch us."

"We had 85 folks at our county meeting Saturday evening," writes Verne Curtis, Linn county leader. "Every-



Corbin Hazen of Brown County

thing went off fine. Next meeting we are going to have a report on Poland China hogs, and then have a debate." Evidently the Linn county meetings are going to be just as interesting as ever.

Lyle Peterson is county leader out in Russell and he reports their first meeting held April 22 at his home. "It was a very progressive meeting," he says, "and all were present with one exception. During the contest we intend to hold a meeting at each club member's house in turn, and in this way no one club member will find it necessary to do the most of the traveling."

Reports Will Measure Pep

Monthly pep report blanks have gone to county leaders and the club managers are eagerly awaiting to see definitely just what start the clubs are getting. Don't be discouraged if it was impossible to hold a county meeting in April, because the weather was bad most of the time and, then, county examinations had to be looked after. Do everything fair to pile up points—work hard and stick to the game and you're sure to come out ahead in some way.

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.—Advertisement.

Away With Grain Pests

The Government has just issued Farmers' Bulletin No. 1260, Stored Grain Pests. Special attention is paid to the weevils, which do so much damage in Kansas. This publication may be obtained free on application to the United States Department of Agriculture, Washington, D. C.

Russia was the first country in the world to use wood paving for streets.

Health in the Family

Knock-Knees and Bow-Legs Require Treatment

BY DR. CHARLES H. LERRIGO

DEFORMITIES in children cause much anxiety to the parents, and properly so, for it is a terrible misfortune to grow up to be misshapen and conspicuous. I have had many letters asking just what to do for children who are bow-legged or knock-kneed. It is not possible to give general advice that will apply to all cases, for there are many different causes, each requiring consideration from a different standpoint. There are cases in which the deformity is a family trait and unless it is greatly exaggerated the best thing is to make the best of it. In other cases the deformity is due to rickets. In such cases the child should be kept off his feet and plaster casts applied to correct the deformity and train the bones to the right position. Medicinal and dietetic treatment is always needed where rickets is a factor.

It is doubtful how much benefit is given by rubbing and massage, but if the mother can afford time for the effort it probably does some slight good. Much more is obtained by fitting plaster splints.

Cases of bow-legs are sometimes treated by breaking the bones and setting them in such a fashion that they will knit at a different angle that will give straight legs. This is only used in very extreme cases.

There are certain doctors styled orthopedic surgeons who give special attention to the correction of deformities. When parents feel that the deformities shown by their children are such as to cause alarm for their future welfare they should make every effort to consult one of these specialists while the child is still in his early years.

Treatment for Hernia

About six weeks ago I discovered I had a small hernia on the lower part of the right side of my abdomen. I do not know what caused it and it might have been there sometime before I discovered it. I first noticed it soon after an attack of the "flu." I had not been seriously ill, but had been troubled with coughing during the attack quite continuously for several days. My rupture has not been painful, is small, about 2 1/2 inches by 1 1/2 inches, protrudes slightly when standing and not at all when lying down. It does not appear to get any worse. I am 53 years old. M. F.

The degree of danger in a rupture is not measured by its size. As a matter of fact a small hernia may be more dangerous than a large one because a loop of the bowel may slip thru the small opening yet be impossible of re-

turn whereas a large rupture always admits of replacement. Sometimes a truss gives excellent satisfaction, but it is always a nuisance. I think that anyone under 70, in good health, will choose wisely in having rupture repaired by surgery. It is safe and sure if done by a competent man.

Nasal Polypus

I wish information in regard to a growth I have in one side of my nose. Our home surgeon does not call it adenoid, as it is not high up in the nostril. He operated on my nose two years ago and burnt it afterwards, and now the growth is again as large as before. Is there a way to cure this same as cancer or must I go and keep having it cut out? I have waited now until it is most noticeable and would like to know what is best to do. Mrs. L. M. D.

This is not adenoid tissue and it is probably a nasal polypus. If the doctor is careful to remove the entire growth and eradicate its base it will not recur. It is not like cancer being usually more annoying than serious.

Treatment for Nevus

I have a little red spot on my neck that looks like a little blood vessel almost ready to burst. It never pains, but looks bad as it is terribly bright red, and stands out just a little like a small lump and it seems to be getting larger gradually. Can you tell me what I can do for this? M. E. F.

This is a little collection of capillaries called a nevus. If it is increasing in size you should have it removed by a surgeon as it may degenerate into a cancer. The operation is simple and can be done under a local anesthetic without loss of time and at small expense.

A Case of Vitiligo

Would you please inform me as to what kind of stain to use in a case of vitiligo, the disease in which white patches come on the skin because of the lack of natural pigment. W. B.

You can probably do no better than to get some crystals of potassium permanganate and make a stain by adding water until the desired shade is produced.

Pansy:

Your symptoms lead me to suspect some kidney trouble but I cannot tell what. It may be gravel or it may be something more complicated. You have so many varying symptoms and some of them so serious that I recommend a most careful medical examination and you must be sure to consult a doctor who studies his cases.

Sunday is now recognized as a national day of rest thruout Japan.

The Thrifty Citizen Who Caught the Plugged Nickel



Mr. Brown had swallowed his lunch and had paid his bill. Cautiously he counted his change. "Here!" he said, sharply, "Take back this plugged nickel and give me a good one!"

Mr. Brown walked proudly out. They couldn't fool old Brown.

But old Brown had fooled himself.

Brown's day was heavy and dull. He lacked "pep." There was a mid-afternoon drowsy spell when he needed to be awake—the direct and natural result of heavy, starchy breakfasts and lunches, taken on faith and without question as to value—just because the food looked and tasted like food.

Thousands of shrewd business men who count their change, take their food for granted.

That's what builds up the sanitarium business, and puts the tired "all-done" feeling into the mid-afternoon of a business day.

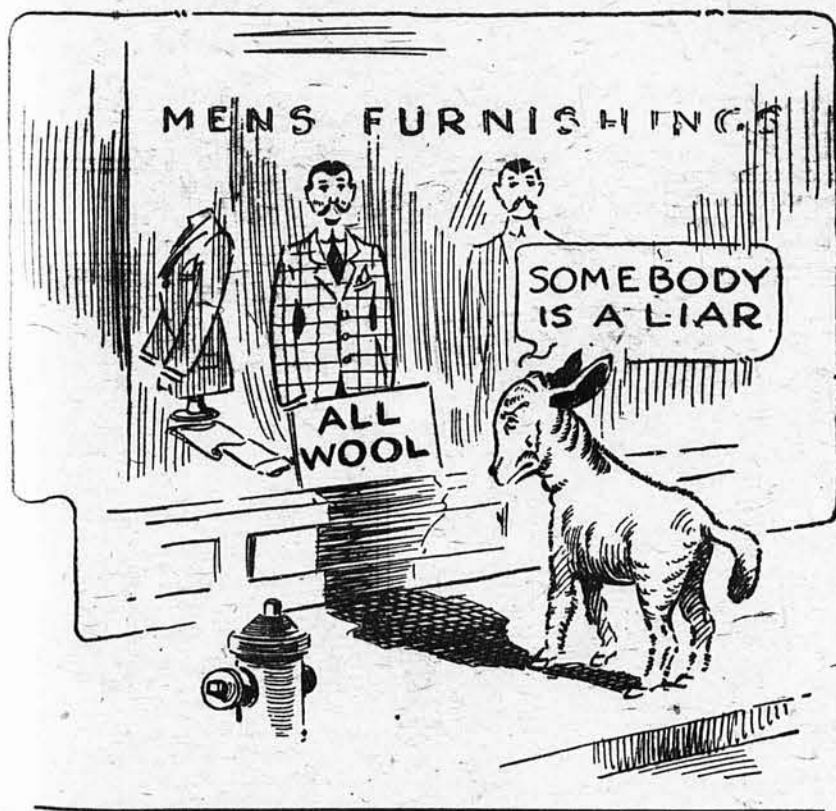
Grape-Nuts is a scientific food whose delicious, appetizing flavor and crispness are an introduction to well-balanced nourishment—a nourishment easily and quickly assimilated, so that body, brain and nerves are well fed and kept free of the stored-up poisons left by so many ill-selected foods.

Served with cream or good milk, Grape-Nuts is a complete food, always ready, always a delight to the taste—and always a safe selection for the man who thinks his stomach is entitled to some of the same protection he gives to his pocket.

Grape-Nuts—the Body Builder "There's a Reason"

Made by Postum Cereal Co., Inc., Battle Creek, Mich.

Expert Opinion By Mary's Lamb



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A Radio Receiving Set in your home will hook you up with the world. It makes no difference where you live, on the farm or in town, you can have lots of pleasure with a radio outfit in your home. Imagine yourself sitting down to one of these machines with the whole family gathered around listening to a speech, concert or vaudeville entertainment which is going on hundreds of miles away. It's wonderful. Others are enjoying these sets. You can, too. Right now is the time.

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Here's your opportunity. Don't stand back and wait for someone else to get a Radio Set. Thousands of people already have these sets in their homes. They have mailed in coupon just like we are asking you to do. We are going to give away three Radio Outfits FREE. Our plan is simple—it will not cost you any cash. You can be the owner of one of these sets—but you must hurry.

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Topeka, Kansas

Capper Radio Club, 905 Copper Bldg., Topeka, Kan.

Please send me full information in regard to the complete Radio Outfits which will be given away FREE.

Name.....

P. O.....State.....

St. and No.....R. F. D.....

Baby Smiles are Frown Chasers

Here are the prize pictures entered in the smiling baby contest conducted by the Kansas Farmer and Mail and Breeze. I received 1,021 pictures. I sincerely wish I could print more of them.—Mrs. Ida Migliario, Farm Home Editor.



Dorothy Louise and Donald William are children of Mr. and Mrs. E. O. Sechrist, Shawnee county.



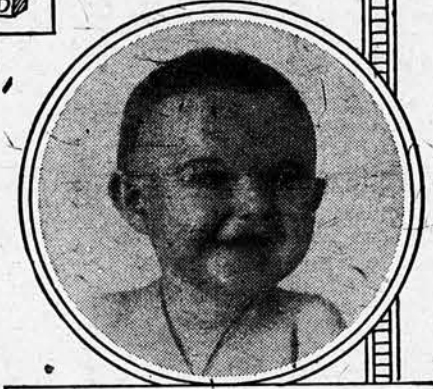
Virginia Evelyn and William Henry—twins—children of Mr. and Mrs. William Selves, Chase county.



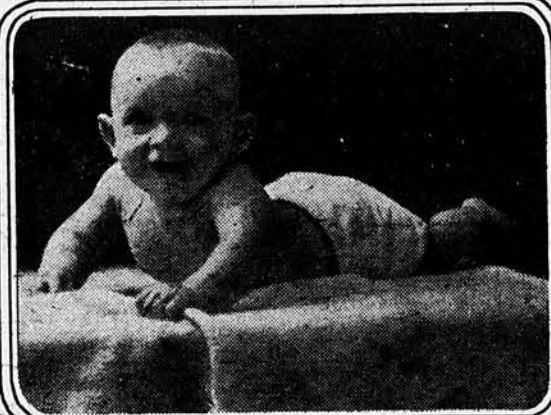
Margaret Pugh, Douglas county, winner of first prize in contest. Her parents are Mr. and Mrs. David Pugh.



James Franklin when 11½ months old. He is the son of Mr. and Mrs. R. N. Roberts, Mesa Co., Colorado.



Eva Maxine lives in Dickinson county. She is the daughter of Mr. and Mrs. Theodore Marts.



Elton Ray won second prize in our contest. He is the son of Mr. and Mrs. Ray Rundell, Finney county.



Mr. and Mrs. E. D. Paulkner, Miami county, send us the picture of their baby, Georgia Maxine.



Ford county is represented by Master James Gould. He is the son of Mr. and Mrs. Fred Harter.



Harold Wilbur Calkins lives in Saline county.



June Elizabeth and Albert Cullins, children of Mr. and Mrs. A. C. Anderson, Russell county.



Lee Warren Doyen who lives in Cloud county.



Mary Maxine's parents are Mr. and Charles J. Holtwick. They live in Shawnee county.



Cherokee county claims Harold Gail Simpson. Mr. and Mrs. Gail Simpson are his parents.



Marjorie Helen is an Elk county baby. Her parents are Mr. and Mrs. George N. Thompson.



Our Osage county baby is Phyllis Carol Nitcher. She weighed 25 pounds when she was 5 months old.

Our Kansas Farm Homes

Mrs. Ida Migliario
—EDITOR—

Carnations for Mother

Carnations, yes, carnations,
Are being worn today,
Upon this holy Sabbath.
The second one in May;
We see the white carnation,
We see the flaming red,
And well we read their meaning,
"The living and the dead."

Oh, if you have a mother,
Who lives and loves today,
Remember she has taught you,
To work, and dream and pray;
Then wear a red carnation,
A tribute to the years
Her loving hand has guided
Thru all your hopes and fears.

Or, if that one called "mother"
Sleeps peacefully, serene,
Where wistful, sunlit shadows
Play on the grasses green;
Oh, then, recall the old days,
Oh, keep her memory bright,
And wear upon this May day,
Carnations, sweet and white.
—Rachel Ann Garrett.

Attic Discloses Hat Materials

"Go up into your attic and bring all the old hats you have, also all the old lace, and any stray bits of net or silk or ribbon you can scrape together," Martha Finley, millinery specialist from the extension service of the Kansas State Agricultural College suggested to the farm women who attended her schools held for community leaders last year.

"We'll renovate our attics as we make our new hats," the women of Kansas laughed as they entered into the spirit of the school. Then, along with making their kraft tape community hat blocks to take back to their



own community women, these local leaders tried their hands with the sun-burnt hat, and the hat with the frayed lining, the hat with the faded trimmings, and the hat which "never did look right on me."

Illustrated discussions as to why a receding crown, or a wide brim, or a narrow brim, or a high crown, or all the other tricks and quirks of smart looking hats demanded each its own type of woman, together with working out color effects, gave these local leaders information to carry back to their neighbors.

Discussions are Illustrated

Steaming and pressing and cutting and trying on of hats gave actual practice in hat making, and carried out the color and line ideas brought out in the discussions.

As soon as the local leaders completed this week's course in millinery, they returned to their own communities and conducted community schools to pass on the work to their neighbors.

These millinery classes are helping solve the cash problem of farm women who are determined to keep well dressed. By learning to use up what they have on hand, they can look well and still not be out much cash.

Orville Bourassa.

Moths Not Fond of Sunlight

An enemy in disguise is the clothes moth, flitting about in the springtime and summer—watching for an opportunity to light on woolen garments and furs. The eggs it deposits on this clothing hatch larvae. These larvae eat woolen materials and furs.

Moths are not fond of sunlight. For this reason, it is wise to hang clothes that may be infested outdoors on a bright sunny day. It is a good plan to brush them with a stiff brush to remove the eggs and larvae.

Another habit moth larvae have is that of eating soiled spots on clothing. The coat or fur which is cleaned before being put away for the summer has a better chance to get thru the moth season whole than the soiled one has.

Keeping the storage places clean and giving the clothing an occasional airing and brushing is the best way to avoid moth damage.

Looking Into the Future

Mrs. Jones heard sobs. Knowing son Paul's delight at teasing his little sister, she hurried to see what he had done to her. Audrey was sobbing as if her heart would break, while Paul stood near with a diabolical grin on his face.

"Did he pinch you, Audrey?" asked her mother.

"No—mum—he didn't—pinch me."

"Did he slap you?"

"No—mum—he didn't—slap me."

"Well, what did he do?"

"He—says—he's—going—to—teach my—children—to—say—hot—dog!"

Rhubarb and Currant Jam

For an unusual and delicious jam rhubarb and dried black currants may be combined. Two pounds of currants and 8 pounds of sugar are used to every 6 pounds of rhubarb.

The rhubarb is washed and cut in 1-inch lengths; the currants are washed and picked over. These fruits are placed in a crock with the sugar and covered. After standing 24 hours, the sirup on them is poured into a basin and brought to the boiling point. The fruit is added and boiled 30 minutes or until it forms a jelly. Mrs. G. A. T. Douglas County.

"Pin" Money in Bread

I was the possessor of 10-dollar tastes and a 1-dollar income. One day the egg money refused to stretch far enough over the grocery bill to cover a 10-cent box of "invisible" hairpins. Then I faced squarely the problem of earning a bit of money of my own. On that same day, 15 years ago, I started in to become a "Jack at all trades"—and "master of none," perhaps; but my pocketbook never has been quite empty since.

I know that warning about having "too many irons in the fire." But there is this about it: among a number

of irons, one, at least, is sure to be hot.

Before launching out upon my miscellaneous career, however, I asked myself a few questions: What can I do? Then, taking into consideration the fact that I lived in an out-of-the-way country district, 30 miles from a railroad and among neighbors as "hard-up" as myself, I questioned further: What can I do better than my neighbors—so much better that they may be willing to pay me to do it for them? Sew; trim hats; teach music; bake "light" bread; take pictures—

I began at the head of the list. But as sewing came in slowly, I trimmed hats in season, and taught a music pupil or so twice a week. At the end of five years, I decided to try baking bread for sale. This, everything con-

sidered, has proved the most steadily profitable of all my "trades." For 10 years, I have had ready sale for all I have found time to bake.

I bake all day on Friday, in order to supply the numerous calls on Saturday for "a couple or three loaves for Sunday dinner." Picnics, birthday dinners or sickness in the neighborhood create an extra demand which I always try to supply.

The total of my cash receipts for a week is never an impressive sum, even to me. But when I look about at my home, filled with music, books and magazines and think of the many small personal luxuries I enjoy, I wonder what in the world I would do without my "little pin-money."

Mrs. C. A. Capps.

Suitable for Hanging Baskets

No plant has a more difficult time than the hanging basket plant, and to succeed it must be hardy. This is especially true of those used for porches. We can make conditions some better, by using the right kind of hanging basket and by our method of watering, but we should not grow plants that are not vigorous growers under adverse conditions.

Where "flowers are not especially wanted, no plant can excel the asparagus sprengeri. It has beautiful foliage and fleshy roots that store up moisture for emergencies. Winds cannot injure the foliage for it is quite tough. It will respond to a rich soil and there is no danger of over-watering.

Likes Bermuda Buttercup

Two good blooming plants that stand up well are the Bermuda buttercup oxalis and the weeping lantana. The oxalis comes from bulbs and can be secured from most large seed houses. The lantana can be had of any greenhouse. While it does not have fleshy roots like both the asparagus and the oxalis, it will grow fairly well even if it is dry at times. The stems are strong and wiry and winds do not injure them easily.

I had some very good hanging baskets of plants grown from seeds several years ago. The verbena was used with fair results, also the climbing nasturtium, but the vine with which I had the best success was Kenilworth ivy. A few plants of this will make a showing quickly for it branches freely and grows fast.

The most important part of window

Rainbow Hues Reflected

Our little ladies whose ages range from 3 to 6 years have as complete a wardrobe nowadays as do their elder sisters and their mothers. Their morning frocks, their afternoon dresses and their "Sunday best" are as distinctive in style and material as the grownups' dresses.

Cretonne play rompers are favored. One-piece bloomer suits or plain aprons bound to match solve a laundry problem for busy mothers. Dark calico, percale, black sateen and Japanese crepe are other materials suitable for morning wear.

When little sister is cleaned up for the afternoon, or when she is dressed for a trip to town or mothers' club, we find her in gingham combined with organdie, checked gingham made up with plaid gingham, dimity, poplin or pongee, pongee made with gingham applique patches and Indian head muslin dresses trimmed with cretonne pockets and binding.

Organdie Favored for Sunday Best

Her "Sunday best" dresses seem to come straight from fairyland. Plain and embroidered organdie lead in their exquisite shades of pink, blue, yellow and orchid. Picoted ruffles and fluffy frills trim these costumes. White net follows close to organdie as a favorite material. Of course some of the "dress up" days will be cool and rainy so we find a dark taffeta dress or two piped in a bright color in the tiny tot's closet.

Every dress has bloomers to match. The little knee bands carry the same kind of trimming that the dress has. Wool stitches, applique patches in wash materials and colored felt patches for the white crepe de Chine and Canton crepe dresses are used a great deal. Embroidery floss, bias binding and rickrack make up other modes of trimming.

Two Pretty Patterns

Our patterns here illustrated show some of the leading styles. The dress on the bottom, No. 1119, lends itself admirably to a combination of gingham and organdie. On the top, No. 1350, is a typical style to be made of cretonne, Japanese crepe or black sateen. These dress patterns may be ordered from the Pattern Department, Kansas Farmer and Mail and Breeze, Topeka, Kan. Price 15 cents each. Give number wanted.



Salad Balls

Rub ground cheese to a paste with a little cream, add chopped English walnuts and a little cayenne pepper. Form into balls, roll in chopped parsley and serve on lettuce salad. The parsley may be omitted and the cheese balls served with pineapple salad.

Layer Candy

If you have never made layer candy, I am certain you will find it a treat. The first part is a fudge.

Boil 2 cups of sugar, 1 cup of milk or thin cream and 1 tablespoon of butter until the soft-ball stage is reached. Then add 1 teaspoon of vanilla, ½ cup of nut meats or shredded coconut and 2 ounces of melted chocolate. Beat until creamy and pour into a square pan that has been greased. When cool spread with strawberry or other favorite preserves.

Then boil 1 cup of light brown or white sugar with ¼ cup of water until it forms a hard ball when dropped in cold water. Then pour over a stiffly beaten egg white, beating until the mixture is light and foamy. Pour over the preserves, spreading evenly. When cold and firm, cut in squares.

Let Light Govern the Tint

IF WALLS are to be repapered or repainted, choose a light color if the room is small. A warm tint such as yellow, cream, buff or tan should be used if the room is not very light or is on the north side of the house. Gray, gray-blue or blue-green are best if the room is likely to be too sunny and bright. In choosing figured wall paper as well as curtain materials, rugs or linoleum, do not choose a design which leads one's eye around, up or across. This is a constant repetition that gives a sense of movement which "gets on one's nerves" and irritates and exhausts.

of irons, one, at least, is sure to be hot.

Before launching out upon my miscellaneous career, however, I asked myself a few questions: What can I do?

Then, taking into consideration the fact that I lived in an out-of-the-way country district, 30 miles from a railroad and among neighbors as "hard-up" as myself, I questioned further: What can I do better than my neighbors—so much better that they may be willing to pay me to do it for them? Sew; trim hats; teach music; bake "light" bread; take pictures—

I began at the head of the list. But as sewing came in slowly, I trimmed hats in season, and taught a music pupil or so twice a week. At the end of five years, I decided to try baking bread for sale. This, everything con-

basket culture is watering. The baskets should be large enough to give root room and should be fixed so the ball of soil can be soaked thru when watering. The best way is to set the basket down in a tub of water and let it soak up from the bottom. Bertha Alzada. Wyandotte County.

Leather Substitutes Score

Leather substitute has come to the housekeeper's aid. We find it on the shelves in the preserve closet, walls are hung with it and the chiffonier and buffet are protected by it. As a cover for the dining room table it is both colorful and practicable. Its chief advantages are its attractiveness and durability as well as its non-absorbent quality.

Watch the little folks speed home for Kellogg's Corn Flakes



"Mudder, I always wins the race when I carry home Kellogg's Corn Flakes. I can't hardly wait till I have some quick, mudder!"

It's great to see child-enthusiasm for Kellogg's; great to see every one in the family enjoy their crisp crunchiness and wonderful flavor! To sit down before a heaping bowlful of these joyous oven-browned "sweet-hearts-of-the-corn" and some milk or cream—and fresh fruit, if it's handy—is just about the very last word in appetizing appeal! And, your good taste will prove that!

Kellogg's Corn Flakes ought to be superior—they are the original Corn Flakes! Kellogg's are never tough or leathery; never hard to eat; never a disappointment!



Be certain to get Kellogg's—the delicious kind of Corn Flakes in the RED and GREEN package—because none are genuine without the signature of W. K. Kellogg, the originator of Toasted Corn Flakes.

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F. H. HEWITT,

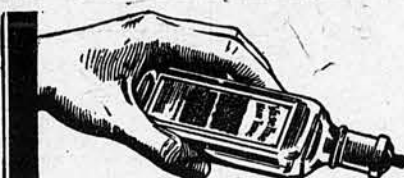
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Fashion Presents Her Plans

Applique Gives Novel Touch to Blouses

BY MRS. HELEN LEE CRAIG



1296—Women's Blouse. Sizes 36, 38, 40 and 42 inches bust measure. Size 36 requires 1 1/4 yards of 36-inch material. Transfer pattern No. 620 is 15 cents extra.

1385—Women's and Misses' Jumper Dress. Sizes 16 years and 36, 40 and 44 inches bust measure. Size 36 requires 2 1/4 yards of 36-inch material with 2 1/4 yards of 36-inch contrasting material.

1168—Women's and Misses' Simulated Jumper Dress. Sizes 16 years and 36, 38, 40 and 42 inches bust measure. Size 36 requires 2 1/4 yards of 36-inch material with 1 1/4 yards of 36-inch contrasting material and 6 1/2 yards of binding.

1384—Women's and Misses' Jumper Dress. Sizes 16 years and 36, 38, 40 and 42 inches bust measure. Size 36 requires 4 1/4 yards of 36-inch material with 1 1/4 yards of 36-inch contrasting material.

1376—Women's Blouse. Sizes 36, 38, 40, 42 and 44 inches bust measure.

Size 36 requires 2 1/4 yards of 36-inch material.

1401—Women's Jumper Dress. Sizes 36, 38, 40, 42 and 44 inches bust measure. Size 36 requires 2 1/4 yards of 32-inch material with 1 1/4 yards of 32-inch material for dress and 1 1/4 yards of 32-inch material for gimpie.

1381—Child's Dress. Sizes 2, 4 and 6 years. Size 4 requires 1 1/2 yards of 32-inch material.

1389—Girls' Dress. Sizes 4, 6, 8, 10, 12 and 14 years. Size 8 requires 2 yards of 32-inch material for dress and 1/2 yard of 36-inch contrasting material for sleeveless gimpie, collar and cuffs.

1392—Morning Dress. Sizes 36, 38, 40, 42 and 44 inches bust measure.

Size 36 requires 3 1/2 yards of 36-inch material with 1/4 yard of 36-inch contrasting material.

These patterns may be ordered from the Pattern Department, Kansas Farmer and Mail and Breeze, Topeka, Kan. Price 15 cents each. Give size and number of patterns desired.—Adv.

Women's Service Corner

Send all questions to the Women's Service Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan. Give name and address. No names will be printed.

White Salad Dressing

Have you a recipe for white salad dressing?—Mrs. T. H.

The following is a recipe for white salad dressing:

2 tablespoons butter 1/2 cup cream
2 tablespoons corn starch 1/4 cup milk
1 teaspoon sugar 1/4 teaspoon salt
2 teaspoons mustard 1/4 cup lemon juice
2 egg whites 1/2 cup whipped cream
Dash white pepper

Put butter and cream into a saucepan. Add gradually the cornstarch moistened with milk. Boil until the starch is cooked. Add sugar, salt, pepper, mustard, and lemon juice. Mix thoroughly. Stir in stiffly beaten whites and cool. Add whipped cream just before serving.

When Sewing Puckers

I have difficulty in keeping thin goods from puckering when stitching it on the sewing machine.—Mrs. T. G.

Place paper beneath the seams and stitch thru it. Remove the paper afterward.

Remedy for Lye Burns

Frequently when I make soap I get burned with lye. What first aid treatment can I use?—Mrs. R. W.

Apply vinegar.

Spinach With Eggs

How do you serve spinach with egg?—J. A.

2 cups boiled spinach 2 eggs
3 tablespoons butter Salt to taste
1/4 teaspoon pepper

Drain the blanched spinach and chop

fine. Return to saucepan, add salt, pepper and butter. Place on the fire and cook 10 minutes. Heap in a mound on a hot dish and garnish with hard cooked eggs cut in slices. Serve with vinegar.

Patent Leather Good Now

Are patent leather shoes being worn this season?—S. I. S.

Patent leather oxfords and patent pumps are popular. Many shops are showing a combination of patent leather and gray suede.

If Your Hands Perspire

My hands perspire freely and it makes sewing difficult. Can you suggest a remedy?—S. S.

Dust talcum powder on the palms of the hands and on the fingers. Rub this into the skin. Some persons use starch instead of talcum powder for this purpose.

Cleaning Silver Lace

Is it possible to clean silver lace?—Mrs. H. F.

Silver lace may be cleaned by brushing it with alcohol or gasoline. It also may be cleaned by boiling in salt water. Add 2 tablespoons of salt to each pint of water.

Orange-Rhubarb Marmalade

When the snow is falling and chilly winds are blowing next winter, what will taste better on hot biscuits for supper than orange-rhubarb marmalade? Here is the recipe for making it:

6 stalks rhubarb 1 lemon
3 oranges 4 cups sugar

Cook the rhubarb and rind and juice of the oranges and lemon together 30 minutes. Pour into glasses and when cool, cover with paraffin.

For Our Young Readers

If Frogs Were as Large as Rabbits How Far Could We Hear Them Croak?

PETER RABBIT pricked up his long ears as he heard the croak, croak of a frog. "That is the first frog I have heard this spring," said Peter. "Think I will have to go down and talk to him for a while."



So out thru the garden, over the meadow, and into the woods hopped Peter Rabbit until he saw, on the edge of a little pond in the moonlight, Freddie Frog, croaking for dear life.

Peter stopped to catch his breath, for he had traveled more than 1/2 mile.

"Hello, Peter," said Freddie. "What's on your mind?"

"I was just thinking," said Peter, "that if you were as large as a rabbit, how far away you could be heard."

"That's a funny question," replied Freddie. "I don't believe I can answer you."

"Well," said Peter, "it's a mighty good thing for the folks up at the farm house that you are not as large as a rabbit, for, with as many frogs as there are about these ponds, folks never would get any sleep at night. Just think! You are only about 1 inch long and I heard you plainly 1/2 mile away, and of course if you were as large as a rabbit your croaking would be many times louder. I judge you could be heard at least 20 miles. Why, Freddie Frog, your croaking would be deafening, and folks never could sleep at night!"

Cobb X. Shinn.

Chewing the Rag—a Game

Buy a roll of thin gauze bandage about an inch wide at the drug store. Cut off two strips about a yard long and tie them to a stick of candy, as shown in the picture. Hang the candy



about 4 or 5 feet from the floor. Then you are ready for the contest of "chewing the rag." The boy or girl who gets to the candy first wins the prize. Don't forget to tie the players' hands behind them.

From Our Letter Writers

I am 9 years old. I live 1/2 mile from Dodge City, the best town in the state, with my uncle and auntie and three sisters and a brother. Our farm is called Fertile Valley and it is rightly named, as we raise everything you can think of. We milk 17 Holstein cows too. Our stock cattle are mostly white faces, tho. We raise Barred Rock chickens and brown pigeons. My sister Florine is attending Winfield college and Zelda and Verlee are in junior high. We go to town in a Ford every morning and my grades are all "A."

My uncle's name is Warren Brown and we are pals. We like the Kansas Farmer and Mail and Breeze. Every line is good reading. Here is a little verse I made up:

I have a little dolly,
And she's a funny girl;
My dolly's name is Molly,
And she has a little curl.
One day she got a spanking,
And it made her dreadful mad—
But she hasn't been a-cranking
Since that day she was so bad!
Dodge City, Kan. Reba Hotz.

Many Good Friends Has She

I am 11 years old. I go to town school and have many good friends. One of them is Lola Young. One time it stormed and she stayed with me for a week because she could not get home. We surely had fun. I enjoy reading the letters the boys and girls write.
Minneapolis, Kan., Maurine McIntire.

A Pet Rabbit Apiece

I am 13 years old and in the eighth grade. My sister is 11 and is in the sixth grade. We have two pet rabbits and I have a pony named Daisy. She is very gentle and likes children.
Girard, Kan., Marjorie Maynell.

There are Five of Us

I am 7 years old. I am in the second grade at school and live a mile from it. I have three sisters and one brother. Their names are Bessie, Hazel, Muriel and Guy. Ruby Goldsberry.
Simla, Colo.

Some New Friends

Boys and girls, we know you'll be pleased to meet Fern and Udell Reeves and their pets. Fern and Udell live on



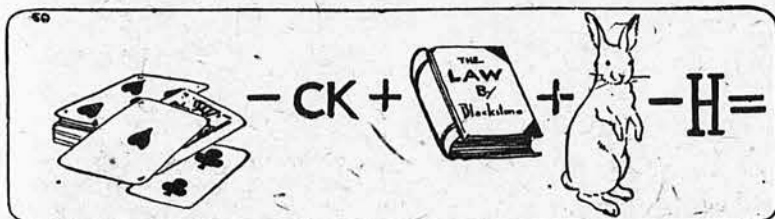
a farm near Hartford, Kan. Don't you just imagine they have lots of fun together?

Why Sender Pays the Postage

A long time ago, before stamps were even thought of, the recipient of a letter had to pay the postage when the letter was delivered. This custom was changed by a curious incident.

A young Londoner was very much in love with a certain young lady who lived so far away that he could woo her only thru letters. But the attraction was not mutual; the young lady had no desire to receive the young man's letters, much less to pay for them. So to show her displeasure she informed the postman when the next letter came that she would not pay for it.

This incident gave the postman an idea which he put before the authorities. His idea was that it would save time and trouble to make the sender pay the postage. As a result today whoever sends a letter takes it for granted that he is to pay the postage and not send it C. O. D.



Another "state" puzzle. When you find the answer send it to the Puzzle Editor, the Kansas Farmer and Mail and Breeze, Topeka, Kan. There will be packages of postcards for the first 10 boys or girls answering correctly.
Solution April 29 puzzle: Oklahoma. The winners are Junior Dodd, Hazel Fritz, Amos Miller, Violet Robb, Thelma Ableson, Blanche Meyer, Blanche Hamon, John Hoch, Kezia Reynolds and Kathryn Gregg.

1847 ROGERS BROS.

SILVERPLATE



1847

75th Anniversary

New silver
is like fresh flowers

IT adds a cheery note to the table. Everybody notices it, particularly if it is a fancy piece such as a cold meat fork, berry spoon or cake knife.

In selecting "1847 ROGERS BROS." you follow wisely the choice of home-makers who want to be sure of quality. Time alone can fully test the goodness of silverplate—and no silverplate can parallel the service record of "1847 ROGERS BROS.," which this year celebrates its seventy-fifth anniversary. This makes it particularly appropriate for anniversary gifts.

Sold by leading dealers. Write for folder R-75, illustrating other patterns, to International Silver Co., Meriden, Conn.

The Family Plate for Seventy-five Years

INTERNATIONAL SILVER CO.

WIN \$15!

You can do it if you can spell

G-o-l-d-m-i-n-e-r

Above are nine letters. How many words can you make out of them? Ten? Twenty? Twenty-five? Read the rules carefully and try it. You may win \$15 cash prize.

\$15 Cash to Winner

The Kansas Farmer and Mail & Breeze will give \$15.00 in cash to the person who complies with the rules of this contest and sends in the largest number of correct words made from the letters in the word "Goldminer."

A Prize for Every List of 20 or More Words

To every person who complies with the rules of the contest and sends twenty or more words, we will give his or her choice of the following articles: String of Beads, Pocket Dictionary, four-lead Clutch Pencil, New Testament, Rag Doll, and a Stamped Organdie Collar and Cuff Set. Be sure to state choice of prize.

Read These Rules Carefully:

1. Make as many words as you can from the letters in "GOLDMINER". A few of the words you can make are: dime, role and in. Do not use more letters in the same word than are in GOLDMINER. A letter cannot be used more than once in the same word.
2. Every list of words must be accompanied by a one-year subscription to the Kansas Farmer and Mail & Breeze, at \$1.00 a year.
3. Proper names, prefixes, suffixes, obsolete and foreign words will not be counted. Words spelled alike but with different meanings will be counted as one word.
4. In case of a tie, each tying contestant will receive \$15.00 cash.
5. This contest closes June 3, 1922.
6. Three disinterested persons will act as judges and their decision will be final.
7. Webster's New International Dictionary will be used as authority.

Send Your List TODAY! Contest Closes June 3, 1922.

KANSAS FARMER AND MAIL AND BREEZE
Topeka, Kansas



GOLDMINER

See how many words you can make from the letters in "Goldminer." The Kansas Farmer and Mail & Breeze will give \$15.00 in cash to the person who complies with the rules of this contest and sends in the largest list of words. If you can make 20 words and will comply with the rules you will win a prize.

CROP conditions continue to register improvement altho the wet unfavorable weather has caused annoying delays in farm work thruout a large part of Kansas as well as in the country at large. The wet weather interfered first with the seeding of oats early in the spring and now it is seriously interfering with corn planting. The acreage planted to oats was heavily reduced on account of the wet weather and it remains to be seen what effect both of these will have on the corn acreage.

For two years the United States has had unusually large crops of corn and many persons insist that it is unlikely that three bumper corn crops will follow in succession if history is in any way a trustworthy guide. A study of the accompanying graph published on this page shows that only twice in the last 50 years have three large corn crops been harvested in three successive years.

A Record of 50 Years

The acreage planted to corn in this country year after year it will be seen shows but little variation compared to the variation in production. Favorable or unfavorable growing seasons have determined mostly whether large or short crops were to be harvested. The weather conditions therefore this year will provide a guide which should not be overlooked in any event. Warm weather, sunshine, and seasonable rains may make another big corn crop possible.

Wheat, alfalfa and pastures have been benefited greatly by the rains and continue to improve. B. W. Snow, crop expert at Chicago estimates the Nation's wheat acreage at 39,165,000 acres with an average condition of 81.7 per cent. On this basis there would be a possible yield of wheat this year of 587 million bushels of wheat as compared with the estimate made last month of 573 million bushels and the final official crop estimate for last year of 587 million bushels. The seeding of spring wheat has been seriously delayed on account of wet weather and this may mean that a reduced acreage is inevitable.

Business Conditions Improve

With the improved condition of crops and farming has come a marked improvement in business and industrial circles. The effect of both on the labor and employment situation has been very favorable and gratifying.

Employment conditions in the United States demonstrate that there is "widespread industrial awakening extending from coast to coast," Secretary of Labor Davis declared recently in commenting upon investigations and reports made by the Federal Employment Service. Altho there are a few dark spots in which considerable unemployment is yet reported, Mr. Davis added, the entire country can be said to have come out of the depression.

"The farm situation is decidedly encouraging," Mr. Davis said. "The demand for farm help from all sections of the country is indicative of the optimistic attitude of the farmer. As there are 6,448,000 farms in the country, they will absorb a tremendous amount of labor. Under date of April 29, the Federal Director for Kansas reports that weather conditions are unfavorable, retarding industrial upward movement, but that the prospects are very encouraging."

"The West North-Central district comprising the states of Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska and Kansas are all entering upon an era of considerable activity. In some of these sections, especially North Dakota, there is an actual shortage of experienced farm help."

Bank examiners report that thruout the entire Nation business is picking up and that there is restored confidence in all lines. All agree that the outlook for the future is very favorable, according to the statements sent by the 12 chief bank examiners of the Federal Reserve Districts to the Federal Comptroller of Currency.

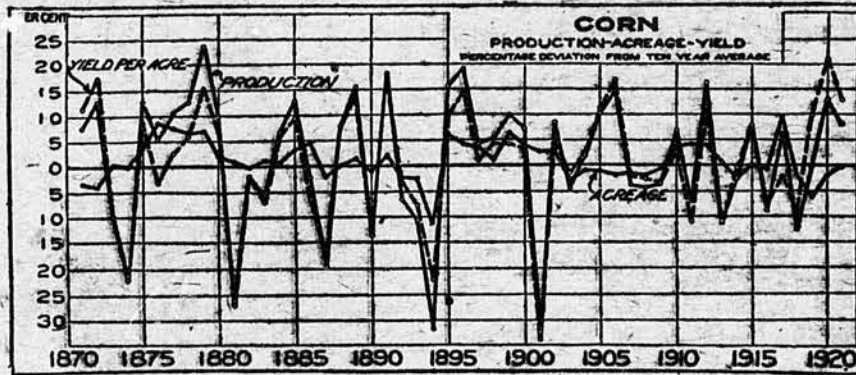
Business and crop conditions in Kansas in the main are satisfactory in the estimation of the Kansas City Federal Reserve District.

Kansas City is "over the hill," according to Luther K. Roberts. Enhanced prices for cattle, he declared, have restored the value of farmers securities and rising values of hogs and corn are helping conditions measurably. The outlook generally is most encouraging.

Big Corn Crop is Expected

Wheat and Alfalfa Continue to Improve

BY JOHN W. WILKINSON



Only Twice in 50 Years Have Three Large Corn Crops Been Harvested in Three Successive Years. Some Persons Think It Will Happen Again This Year

In the weekly crop report of the Kansas State Board of Agriculture, J. C. Mohler, secretary of the board, says: "The eastern and south central parts of Kansas were again visited by rainy weather last week. All of the eastern part of the state reporting from 1 inch to 2 inches. The south central counties reported precipitation from 1 inch to 1 1/2 inches. In other parts of the state local rains fell, but no general rainfall is recorded. The Western Kansas counties had clear weather most of the week. All of the soil in Eastern Kansas is thoroughly saturated and very little work could be done in plowing for corn. Many reports indicate, however, that farmers are going ahead despite the heavy soil and that some corn, possibly from 5 to 10 per cent of the acreage, had been planted already. In North Central Kansas, conditions were better and corn planting was being rushed. In the central section of the state possibly 20 to 35 per cent of the acreage which will be devoted to corn has been planted altho the soil in the south central portion is very wet and best preparation was made impossible. Conditions for corn planting are good

in the western part of the state and all spring work is being rushed.

"The cool weather is very good for the growth of wheat, alfalfa and pastures and indications point to an early first cutting of alfalfa which will be ready possibly by the latter part of this month. Potatoes are coming up to good stands in eastern and south-central counties, and fruit prospects are much above normal. Roads in all sections of the state are in very poor condition because of the excessive rains.

"Barton county reports that probably 800 acres of watermelons will be planted this year and dairying is receiving increased attention in Washington county, especially in the vicinity of Linn, where 100 head of purebred and high grade Holsteins are being imported from the dairy state of Wisconsin."

Special County Reports

Local conditions of crops, livestock, farm work—and rural markets are shown in the following county reports from special correspondents of the Kansas Farmer and Mail and Breeze:

Allen—We had clear weather April 29 but we had bad weather the two weeks previous.

No farming has been done. Very few gardens have been made. Wheat and pastures are excellent. Fruit has not been hurt and indications are that there will be a good crop. Eggs are worth 18c; potatoes, \$1.50 and butter is 30c.—T. E. Whitlow, May 6.

Barton—We are having a very large amount of rain and corn planting will be delayed. Wheat, alfalfa, oats and barley are satisfactory. The wet weather was hard on little chicks. Cattle are contented on pastures now. There is still a large amount of wheat in the country. This is an excellent time to repair fences. Wheat is worth \$1.35; corn, 55c; butterfat, 30c; butter, 30c.—E. J. Bird, May 6.

Brown—Farmers are thru sowing oats. No corn has been planted yet as ground is too cold and wet. Early sown oats are up and look excellent. Most of the wheat is satisfactory, however, a few fields look too yellow. Farmers are behind with their work as there has been so much wet weather. Pastures are making a rapid growth. Wheat is worth \$1.10; corn, 45c; cream, 29c and eggs are 20c; hens, 20c; springs, 40c; hogs, \$8.50.—A. C. Dannenberg, May 6.

Cherokee—We have been having cool rainy weather. Farmers have but little work done so far. Oats will make scarcely a stand and many will be replanted to fodder crops. Early potatoes have started in the ground and early strawberries and cherries were damaged.—L. Smyres, May 8.

Clay—We have been having cool weather during the last week and farmers have had very little chance to get any work done except in the Republican River Valley where the soil is sandy. In the southern half of the county wheat will average about 90 per cent of a full crop but the northern half will average but 80 per cent. Alfalfa and gardens are very good and the outlook for fruit is very good. Wheat is selling for \$1.25; butter, 33c; butterfat, 30c and eggs are 23c; hogs, \$9; potatoes, \$1.65.—F. R. Forslund, May 7.

Dickinson—We have been having a considerable amount of rain during the last 10 days. Practically no field work has been done since April 22. Wheat is a foot high and looks excellent. Oats are making a good stand and are doing well. Stock is all on pasture, but grass seems to be slow in starting.—F. M. Lorton, May 7.

Ellis—We are having plenty of moisture now which is excellent for the wheat that is left. Oats and barley are all sown and most of it is up. Corn listing has not begun yet. Some plowing is being done for cane and other spring crops. Not many public sales are being held, and everything is selling fairly well, except livestock which is still bringing in prices. Not much wheat is being marketed and very little is left in the farmers' hands. Wheat is worth \$1.30; corn, 55c; kafir, 55c; cane seed, 75c and eggs are 20c; oats, 50c.—C. F. Erbert, May 8.

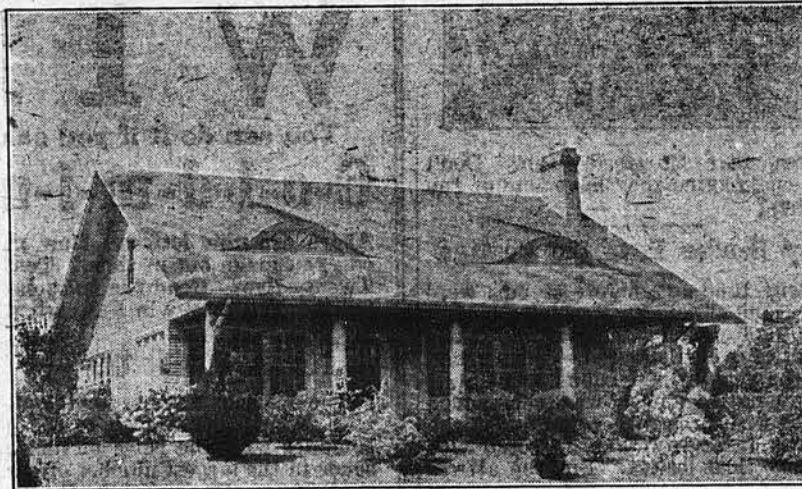
Ellsworth—Heavy rains the past two weeks have greatly delayed farm work and not much corn has been planted. The Smoky river was higher this week than it had been for nine years but not much damage was done. Wheat and oats have made a good growth but need sunshine. Many cattle have been put on pastures and more are going soon. Corn at elevator is worth 65c; butterfat, 30c and eggs are 19c.—W. L. Reed, April 28.

Ford—We have plenty of moisture now. In a few places as high as 8 inches of rain fell. Oats and barley are doing well but wheat is making an unsatisfactory start, except in a few localities. Pastures are getting green but are very short yet and cattle are being fed dry feed. Trees are in bloom and if we have no frosts prospects for fruit are good. Wheat is worth \$1.35; corn, 50c; barley, 50c; butter, 30c and eggs are 20c; oats, 50c.—John Zurbuchen, May 7.

Gove and Sheridan—The ground is in excellent condition and we are having warm, growing weather. Wheat is improving considerably. Farmers are planting corn. Early potatoes and gardens are up. Fruit trees and lilacs are beginning to bloom. Home grown rhubarb is on the market. Very few

(Continued on Page 33)

A Cozy Home of Stately Beauty

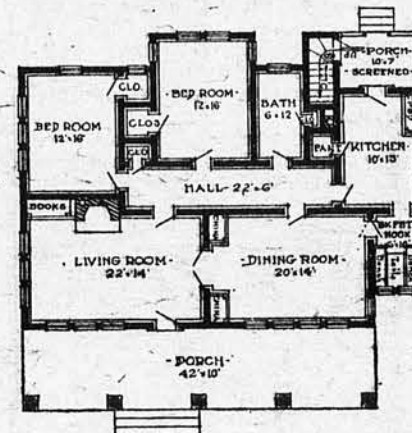


WE PRESENT Design No. 1095 as an example of stately beauty constructed on such simple lines that the cost of construction is held low. It is a model of comfort, from its wide inviting front porch to the great big attic.

The interior arrangement of this plan is particularly good. The spaciousness of the living room, the location and approach of the dining room, the size and number of closets and the easy accessibility of all parts of the house from all other parts are features worthy of note.

The time we all want to be in a particularly cheerful state of mind is when we assemble with other members of the household at meal times. The location of the dining room so that its view is toward the front yard or the most attractive part of the grounds is therefore a matter not to be passed without consideration.

As yet we have no book of designs and can supply only those plans which have appeared in this paper. This is Design No. 1095 and complete plans and specifications for it will be sent on receipt of \$15 by the Home Service Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan. If interested send in your request without delay.



Applique Patches Given

Here is one of the niftiest, newest articles that ever has come to the attention of Kansas Farmer and Mail & Breeze. It is the very latest thing in embroidery work—applique patches, all ready to be applied to your material.

Don't get the idea that this is merely a set of transfer patterns, stamped on paper—it is the designs themselves, stamped on a large piece of art linen, 18 by 33 inches. We can supply these designs in blue and old rose.

These designs may be used to decorate unbleached muslin aprons, bed spreads, luncheon sets, dresser scarfs, table covers, and the like. The tops go especially well on little boys' suits; the anchor designs are just the thing for girls' middie blouses; the cup and saucer designs go well on lunch cloths.

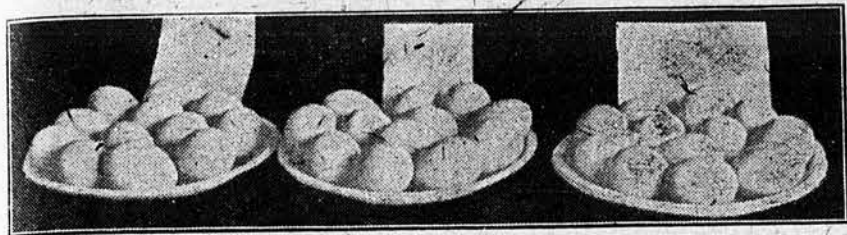
The large birds are precisely what you want for draperies; for baby pillows and bed spreads, the little chickens and geese are exactly what you have been looking for. The rabbits, candles and funny faces go well in baby's sleeping room. The morning glories will fit in a hundred and one different places. Remember that you get all the designs mentioned, and more, too, all stamped on the same piece of Art Linen.

We have arranged to give these designs to our readers on a very liberal offer. When you consider that some of the best stores haven't yet had an opportunity to get these designs, and that you can get them so easily from us, you will realize what a bargain we are offering. Just send a postal today, saying, "Please tell me how to get the beautiful Applique Designs." Address Kansas Farmer and Mail & Breeze, Topeka, Kan.—Advertisement.

How to Preserve Farm Eggs

Spring and Summer Production Should be Saved

BY O. C. UFFORD



Kansas Hens Last Year Produced Approximately 21 Million Dollars' Worth of Poultry Products or an Average of \$138 for Every Farm

EGGS are at their lowest prices during the period of heaviest production, which is during the spring and early summer months. At this season of the year the laying hens are keeping markets well supplied with eggs. The surplus that is produced at this time is put in cold storage for winter consumption. Despite the storage of the surplus egg crop, the prices that consumers must pay for eggs during the winter months are often prohibitive and prevent the general use of this very necessary food in the household.

The consumer of eggs can overcome to a large extent high prices and scarcity of winter eggs, by storing a few dozen during the season of high production and low prices. Also, it is to the advantage of the average producer to store low priced summer eggs for his winter use and dispose of winter laid eggs at good prices.

The two usual methods of preserving eggs are the water glass method, and the lime water method. Both methods are very reliable and will keep eggs in good condition for a period of several months.

Suitable containers for water glass and lime water solutions are earthen ware, glass, or wooden jars, tubs or barrels.

These should be thoroly cleaned and sterilized before using. A 5-gallon container will hold about 15 dozen eggs.

The Kind To Select

Only clean, fresh eggs, free from cracks should be used for preserving. Eggs with soiled shells should never be washed or used for storing purposes.

The infertile egg is preferable whenever they can be obtained. The keeping qualities under ordinary conditions are much superior to the fertile egg.

Losses to producers from the production of fertile eggs during the hot summer months run into many millions of dollars annually. This loss can be greatly reduced by removing the male birds from the flock after the breeding season is ended. The male bird is not a necessary addition to the flock for egg production.

Sodium Silicate Solution

Water glass can be purchased from any local drug store. It is a colorless liquid. The proportions to use are 1 quart of water glass to 9 or 10 quarts of water, that has been previously boiled and cooled to destroy impurities. One quart of water glass will provide enough solution to cover about 20 dozen eggs.

The eggs can either be placed in the container and the water glass solution poured over them or the water glass can be placed in the container and the eggs put in a few at a time. This latter method is probably the better, providing one does not put too much solution in the container, which would cause it to rise and overflow. It enables one to add a few fresh eggs at a time and also eliminate any that are bad and float.

There should be a covering of about 2 inches of solution to allow for evaporation. Cover the jar, and place in a dry well ventilated cellar.

Lime Water Method

Slake 3 pounds of good lump lime. Add the milk formed to 3 gallons of water. Permit this to settle and use only the clear liquid to pour over the eggs.

The quality of the eggs removed from these preservatives will depend upon their condition when put down. They will serve the purpose of strictly fresh eggs for all household uses; but for boiling, the shell should be pricked with a needle, as the preservative

seals all pores, which prevents the escape of the gases when cooking. The white deposit from water glass or lime water which shows on the eggs can be removed by pouring hot water over them. Never use an old solution for a new batch of eggs.

For Better Corn Crib

BY A. L. HAECKER

American agriculture has made wonderful progress and advancement during the last 25 years, but in some things we are still lagging. There are a few practices in which we seem to hold to the old rut and follow the time worn custom of our grandparents. The construction of the corn crib is one of them. Now while we are making plans for taking care of the new corn crop is a good time to think about building a new corn crib.

When I was a little boy I remember

the old corn crib built by my great-grandfather. It was a slatted affair, wider at the top than at the bottom, and at the time it was built undoubtedly was the most approved structure for housing corn. The same style of cribs are being built today on many of our farms, and it is a fearful waste when we consider the destruction which goes on in most of these cribs.

There is no excuse for putting up such a building for we have modern and economic cribs now built of galvanized steel that are rat, mouse and bird proof, that do not burn or rot, that keep the grain in perfect condition from year to year, and will soon pay for themselves in this saving alone. The American rat has grown to be a fearful pest. He takes each year 200 million dollars worth of the grain which has been laboriously produced by our farmers. He carries disease germs to our hogs, cattle and poultry and is openly declared a pest and a nuisance causing a fearful waste.

The modern crib is built of steel and is the last word in construction designed to keep the grain for years and to give a service to the user. It certainly would be wise to list a metal crib among your needed buildings for the coming year.

Strawberries Need a Mulch

If you have not applied a mulch to your strawberry patch, do so at once. Old waste hay or straw, free of seed, will make a good mulch. A mulch will keep your berries clean, keep down grass and weeds, conserve moisture and make harvesting easier in wet weather and with less injury to the ground.

Rid Hens & Chicks of Lice and Mites

A Few Drops of Wonderful New Remedy in Drinking Water Does It—No Dusting, Spraying or Greasing.

Any poultry raiser can easily and quickly clean out Lice and Mites by using a new Remedy recently discovered by a Kansas City Chemist and called Imperial Lice and Mite Remedy.



All that is necessary is to occasionally put a few drops of this amazing remedy in the fowl's drinking water. It renders them immune from the attack of all blood-sucking parasites, as these pests positively will not stay on a fowl taking this remedy.

It also acts as a splendid Tonic and Blood Purifier, as well as increasing egg production and growth, for with these pests eliminated, hens lay better and young stock grows faster. It is positively guaranteed not to affect the meat or eggs.

The manufacturers of Imperial Lice and Mite Remedy are anxious to get it quickly introduced among poultry raisers everywhere, and make this Special Introductory Offer. Send no money, just your name and address to the Imperial Laboratories, Room 572, 2110 Grand Ave., Kansas City, Mo., and they will send you a regular full sized \$1.00 bottle and will also send you free a big full sized (double strength) \$1.00 package of Imperial White Diarrhoea Remedy, the standard, time-tested remedy. Pay the postman only \$1 and a few cents postage when both packages are delivered. Any time within 30 days, if you are not satisfied with results, just say so and your money will be cheerfully refunded.

Sick Baby Chicks? GERMOZONE is a positive remedy for roup, colds, bowel trouble and such costly ailments. Preventive as well as curative. A wonder worker for poultry. On market over 20 years. Endorsed by many thousand users. Don't lose your baby chicks. Get GERMOZONE TODAY. At drug and seed stores. If no dealer, order by card. 75c and \$1.50 sizes. Postman will collect. No extra charge. GEO. H. LEE CO., Dept. 55 Omaha, Nebr.



Chicks and Layers Must Have More Lime

TO grow strong and healthy, chicks must have a supply of lime food. Laying hens require lime to produce egg shell—more eggs, hard-shelled. This is the verdict of poultry experts everywhere.

What Scientists Say

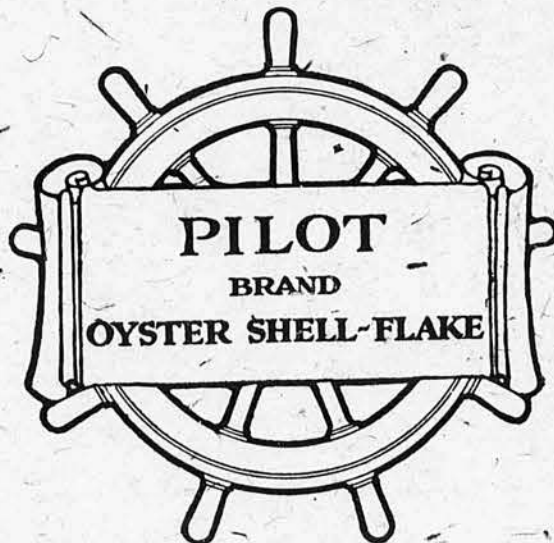
The Poultryman of the Bureau of Animal Industry, U.S. Department of Agriculture, says: "It is advisable to keep oyster shell before laying hens all the time. The cost of oyster shell is so small that it is an economical practice."

Free from Impurities

Pilot Brand Oyster Shell-Flake, taken from the bag, makes a chemical analysis of 98% pure carbonate of lime. It is absolutely free from impurities, such as dirt and clam shell. It is cleaned, dried, ground, graded and packed in new 12-oz. burlap bags.

Make your hens pay.

If your dealer does not carry Pilot Brand, write us today, giving his name, and we will see that you are supplied.



Keep Pilot Brand Shell Always Available to Poultry

Oyster Shell Products Corporation

Sales Office: Security Bldg. ST. LOUIS, MO.

No connection with any company of similar name



Business and Markets



By John W. Samuels

THE morale of the farmer is gradually but steadily returning, because the increase in the prices of grain and livestock have given him encouragement and have revived his hope for future prosperity. These advancing prices have put the farmers over the hill and have revived their purchasing power. This is having a favorable effect upon business and as a consequence it is showing a decided upward trend.

Quite apart from the bright reports heard in business and financial circles, trade reviews are distinctly hopeful. Progressive gains in the volume of industrial output, combined with a continued accumulation of capital and credit, have found their reflection in a number of directions; in a greater employment of labor; in a strengthening of prices; in a better state of things on the railways; in a pronounced rise of security values and a broadened public interest in security trading.

Better Outlook for Wool

Livestock men are much pleased with the general upward trend of prices during the last two months for hogs, cattle and sheep. The outlook for marketing the wool clip this spring at a fair price is better than it has been for two or three years. For more than a year we were buried under an avalanche of wool and the bottom dropped out of the market in the spring of 1920. During the Great World War the nations of Europe were unable on account of blockades, submarine attacks, and shortage of shipping vessels to obtain all the wool they could have used from Argentina, Australia and South Africa so that large quantities of wool accumulated in those countries.

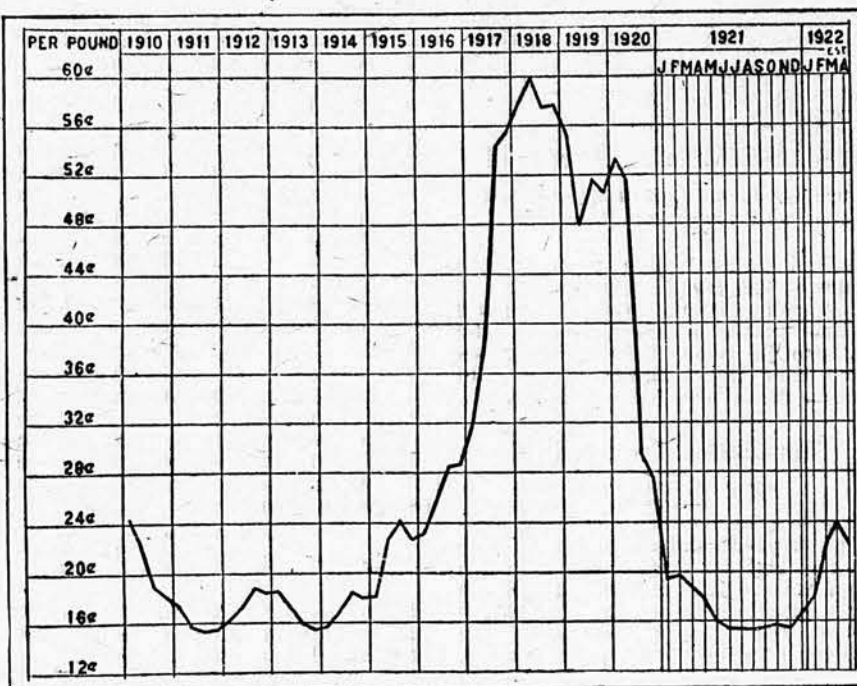
Even when the World War had closed financial conditions in Europe caused a decline in the consumption of wool and the accumulations continued to grow especially in Great Britain and her wool-producing colonies. Wool also accumulated heavily in the United States after the buyers' strike began. This situation gradually became more and more acute until a little more than a year ago, when the wool holdings exclusive of the new clip in the Northern Hemisphere showed a total of 3 1/4 billion pounds indicating a tentative surplus of 1 1/4 billion pounds. The ups and downs of farm prices for wool for the last decade are shown in an interesting way by the accompanying graph published on this page. This graph shows the course of wool prices as reported by the United States Department of Agriculture on January, April, July and October 15 for 11 years and monthly since January, 1921. The price line went up like a skyrocket during the war.

Then came some heavy declines and the pre-war level was reached during 1921, but a fair advance has come since then. The emergency tariff which carried a duty of 30 cents a pound on skirted wool was one of the factors that contributed to this advance and another factor was the increase in manufacturing operations. The future for the wool grower now is much brighter and prices no doubt will continue to improve. The Copper Truth-in-Fabrics bill probably will be passed by Congress before its adjournment and this will undoubtedly create a stronger demand for virgin wool that will help to stabilize and maintain fair prices.

Kansas City Livestock Sales

At Kansas City this week livestock prices were generally higher and there was a healthy demand throughout the week.

General activity prevailed in the livestock market thru the week and closing quotations were strong to higher. In the cattle division yearlings predominated. Prime yearling steers, steers and heifers mixed, and straight heifers sold up to \$8.65, all were the highest in several weeks past. Hogs declined early in the week but turned up again on Wednesday and at the close of the market were 10 to 15 cents higher than a week ago. Fair woolled lambs sold up to \$15.70, spring lambs sold up to \$16, and clipped wethers up to \$10, or 25 to 50 cents above last week's close.



The Ups and Downs of Prices for Farm Wool Since 1910. The Peak was Reached in 1918; Then Came Swift Declines; Advances Started Again in 1922

Receipts for the week were 28,625 cattle, 4,300 calves, 50,900 hogs and 35,000 sheep, compared with 32,425 cattle, 3,650 calves, 44,500 hogs, and 32,925 sheep last week, and 29,325 cattle, 4,025 calves, 61,250 hogs, and 38,800 sheep a year ago.

Beef Cattle Top is \$8.75

Trade in fat cattle in the first three days of the week was active with prices 15 to 25 cents above last week's best time. Late Thursday trade weakened some and part of the gain was lost. The bulk of the fat steers are selling at \$7.75 to \$8.50, with tops ranging from \$8.60 to \$8.75. Yearlings and light weight steers were offered freely and the bulk of them sold at \$7.85 to \$8.65. Local demand cared for the yearling classes and Eastern shippers took the weighty kinds. Cows and heifers were strong. Veal calves were 50 cents higher.

Prices for stock and feeding grades ruled strong to 25 cents higher. Selected feeders sold up to \$8.35 and stockers up to \$8.25. The bulk of the thin steers were taken on grazing accounts at \$7 to \$7.75.

Hogs Advance 15 Cents

Declining prices at more Eastern markets forced a moderate decline here early in the week but urgent demand from all sources in the past three days caused a rally and final quotations were 10 to 15 cents higher than a week ago, and relatively strong compared with Chicago and other Eastern markets. The top price today was \$10.45, and bulk of sales \$10.25 to \$10.40.

The total receipts were moderate a large variety of offerings were received in the sheep division. Woolled lambs sold up to \$15.70, clipped lambs sold up to \$14.65. Sixteen double decks of Arizona spring lambs brought \$16, and Texas clipped wethers sold at \$9.50 to \$10. Prices were quoted 25 to 50 cents higher than last week.

Trade in good horses and mules was active at strong prices. Plain and ordinary kinds continued slow sale.

Hides and Wool

Renewed activity in the wool market was very noticeable last week and buyers were in much evidence everywhere. Many of them were urging wool men not to pool their products this year and said that they would guarantee to duplicate any prices that might be obtainable thru a pool. Much excitement developed in Boston when it was reported that the Jericho wool pool in Utah had changed hands at 40 cents a pound. Several clips at stations near Chicago have sold recently at prices ranging from 30 to 35 cents a pound. Conditions it is said are ripe for absorbing the new clip as soon as it reaches concentration points. It is expected that the new tariff will be permanently fixed

at 30 to 33 cents a pound to replace the emergency tariff of 30 cents now in force.

The following prices are quoted at Kansas City this week on Kansas, Oklahoma and Nebraska wool:

Bright medium wool, 21 to 23c; dark medium, 18 to 20c; light fine, 20 to 22c; heavy fine, 15 to 18c; light fine, Colorado, New Mexico, and Utah wool, 20 to 25c.

The following prices are quoted on green salted hides at Kansas City: No. 1 hides, 8c; No. 2 hides, 7c; side brands, 4c; bulls, 4c; green glue, 3c; dry flint, 8 to 10c; horse hides, \$2.25 to \$2.75; small horse hides \$1 to \$1.50.

Dairy and Poultry

The following quotations are given at Kansas City on poultry and poultry products:

Live Poultry—Hens, 22c a pound; broilers, 40c; roosters, 12c; turkeys, 34c; old toms, 31c; geese, 12c; ducks, 18c.

Eggs—Firsts, 21 1/2 to 22c a dozen; seconds, 17 1/2c; selected case lots, 26 1/2c; Southern eggs 2 cents less.

The following sales of dairy products at Kansas City are reported:

Butter—Creamery, extra, in cartons, 39c a pound; packing butter, 17c; butterfat, 30c; Longhorn cheese, 18c; Brick, 17 1/4c; Imported Roquefort, 68c; Limburger, 22 to 23c; New York Cheddars, 24c; New York Daisies, 25c; Swiss, 38 to 50c.

The grain market at Kansas City during the last 10 days has been more or less nervous and erratic, the May deliveries at Chicago being one of the serious disturbing elements. At first there was a decided show of strength which carried the price up 6 to 7 1/2c a bushel but later there were declines that wiped out the advances and the market closed with a slump of 9 cents from the week's high level. July prices at Kansas City dropped 2 cents and September 1 cent. The same declines were also reported at Chicago.

Heavy Movement to Chicago

A heavy movement of wheat from Kansas City to Chicago has been going on for several days and still continues. Deliveries last week at Chicago on May contracts were approximately 2 1/4 million bushels. The wheat supply in Kansas City was reduced 588,000 bushels and the stocks on hand now are estimated at 5,987,000 bushels. Export demand for wheat has been somewhat quiet. Sales of new wheat for delivery in August it is said will not exceed 2 million bushels. Exports of wheat and flour from the United States and Canada last week were 36,167,000 bushels or about one-third of the amount reported last year at this season.

Corn futures at the close of the market showed gains of 1/4 to 3/4 cents for May deliveries and losses of 1/4

to 1 1/2 cents for later deliveries. Export sales were estimated at 2 million bushels.

The following quotations are given on grain futures at Kansas City this week: May wheat, \$1.22 1/2; July, \$1.15; September, \$1.08 1/2; May corn, 55 3/4c; July, 58 1/2c; September, 61 1/4c; May oats, 35 1/2c; July, 37 1/2c.

At Kansas City this week cash sales of wheat showed declines of 3 to 4 cents for hard and dark hard wheat. Red wheat showed a decline of only 3 cents.

The following quotations are given at Kansas City this week: No. 1 dark hard wheat, \$1.35 to \$1.50; No. 2 dark hard, \$1.34 to \$1.50; No. 3 dark hard, \$1.35 to \$1.54; No. 4 dark hard, \$1.31 to \$1.51; No. 5 dark hard, \$1.31; No. 1 hard wheat, \$1.28 to \$1.47; No. 2 hard, \$1.26 to \$1.46; No. 3 hard, \$1.24 to \$1.45; No. 4 hard, \$1.20 to \$1.40; No. 5 hard, \$1.05; No. 1 Red wheat, \$1.30 to \$1.31; No. 2 Red, \$1.28 to \$1.30; No. 3 Red, \$1.23 to \$1.26; No. 4 Red, \$1.18 to \$1.24; No. 5 Red, \$1.05 to \$1.20; No. 2 mixed wheat, \$1.30 to \$1.35; other grades of mixed wheat, \$1.05 to \$1.15.

Fair Demand for Corn

This week there was just a fair demand for corn. White and mixed corn showed declines of 1/4 to 1 cent a bushel. The following sales were reported at Kansas City:

No. 1 White corn, 57 1/4c; No. 2 White, 57 to 57 1/4c; No. 3 White, 56 1/2c; No. 4 White, 56c; No. 2 Yellow corn, 58 to 58 1/2c; No. 3 Yellow, 59c; No. 4 Yellow, 57c; No. 2 mixed corn, 57c; No. 3 mixed, 56 1/2c; No. 4 mixed, 56c.

Little change was reported in demand for other cereals and prices were almost unchanged. The following quotations are given at Kansas City: No. 2 White oats, 39 1/2 to 40c; No. 3 White, 37 to 38c; No. 2 Red oats, 38 to 38 1/2c; No. 3 Red, 37 to 38c; No. 4 Red, 34 to 36c; No. 2 White kafir, \$1.25; No. 3 White, \$1.24; No. 4 White, \$1.23; No. 2 milo, \$1.35; No. 3 milo, \$1.33 to \$1.37; No. 4 milo, \$1.32 to \$1.36; No. 2 rye, 97 to 98c; No. 4 rye, 95c; No. 3 barley, 55 to 56c; No. 4 barley, 54 1/2c.

Lighter demand for millfeeds from the South and other markets caused a drop of 50c to \$1.50 a ton in bran and drops of \$1 to \$1.50 on shorts. The following prices are quoted at Kansas City this week on millfeeds:

Bran, \$21.50 to \$22.50 a ton; brown shorts, \$23 to \$24; gray shorts, \$24 to \$25; linseed meal, \$54.50 to \$60; cottonseed meal and nut cake, \$54; cold pressed cottonseed cake, \$46; tankage, \$65; No. 1 alfalfa meal, \$18 to \$21; No. 2 alfalfa meal, \$16 to \$16.50; No. 1 molasses alfalfa feed, \$21; No. 2 molasses alfalfa feed, \$20; grain molasses horse feed, \$24 to \$27; grain molasses hog feed, \$37.

Hay Prices Reported Steady

For the best hay prices are reported comparatively steady. The following sales were made at Kansas City: Choice to fancy dairy alfalfa hay, \$25 to \$28 a ton; choice alfalfa, \$23.50 to \$24.50; No. 1 alfalfa, \$22 to \$23; standard alfalfa, \$18.50 to \$21.50; No. 2 alfalfa, \$15 to \$18; No. 3 alfalfa, \$12.50 to \$14.50; No. 1 prairie hay, \$12 to \$13.50; No. 2 prairie, \$10 to \$11.50; No. 3 prairie, \$7 to \$9.50; packing hay, \$6 to \$6.50; No. 1 timothy hay, \$18.50 to \$19.50; standard timothy, \$17 to \$18; No. 2 timothy, \$15 to \$16.50; No. 3 timothy, \$11.50 to \$14; light mixed clover hay, \$18 to \$19; No. 1 clover, \$16.50 to \$17.50; No. 2 clover, \$12 to \$15; straw, \$8.50 to \$9.

Broomcorn and Seeds

But little change is reported in the prices for broomcorn at Kansas City this week. The following sales were made:

Fancy whisk brush, \$275 a ton; fancy hurl, \$250; medium Standard broomcorn, \$140 to \$180; medium Oklahoma Dwarf, \$130 to \$160; common Oklahoma Dwarf, \$110 to \$130.

The following quotations are given at Kansas City on seeds this week: Alfalfa, \$11 to \$15 a hundred pounds; German millet, \$1.50 to \$2; Siberian millet, \$1.15 to \$1.40; hog millet, \$1.60; cane, \$1.75; Sudan grass, \$4.50 to \$6; soybeans, \$2.40 a bushel.

Building Up a Dairy Herd

Purebreds and Real Efficiency Insure Profits

BY CECIL HOLMES

WITH the constantly decreasing margin between market price and cost of production it is becoming more and more difficult to conduct a general farm on a sound business basis without specializing more or less in some particular line of farm products. At the present time, dairying is becoming an increasing source of income on Kansas, Oklahoma and Nebraska farms and along with it comes the stimulus to more efficient production.

The average farmer cannot go into the dairy business over night. He has neither the money nor the experience necessary to make a large pure bred dairy herd successful. On the other hand he usually has a herd of cows and an abundance of rough feed. His problem, therefore should be one of developing his present herd along lines which will insure higher milk production. Too often farmers thru reading highly colored breed literature and accounts of fabulous records, decide to go immediately into the purebred dairy business and begin by selling off their entire herds of grade or dual purpose animals and buying purebred animals of the breed they happen to fancy.

Good Producers are Scarce

In the first place, it should be remembered that all purebred animals are not good producers and that good purebred individuals and producers are difficult to purchase. Moreover, it requires both experience and skill to select and purchase good purebred animals of a mature age. Finally, if it were possible to get together a good herd by purchase the farmer would probably find that he lacked the experience necessary to handle them profitably. Many farmers have paid out hundreds of dollars for purebred stock of both the dairy and beef breeds only to find that they were no better off than they had been before with their grade or scrub herds and are disappointed when their purebred animals fail to produce much better than the animals they sold. They make no fabulous records and cannot sell their animals for the price they commanded when in the hands of established breeders. Consequently many farmers become disgusted and quit the game early with the conviction that purebred cattle are playthings only for the rich.

However, the farmer who begins with the herd he has on hand and then

by the use of purebred sires builds up a good herd of grades, can with little expense, in a few years raise appreciably the production of his herd. While improving his scrubs he is getting the experience necessary to handle higher producing cows when he gets them. From here it is only a step to purebreds and his success in the venture is practically certain if he has successfully managed a herd of high producing grade animals.

Use Care in Selecting Breeds

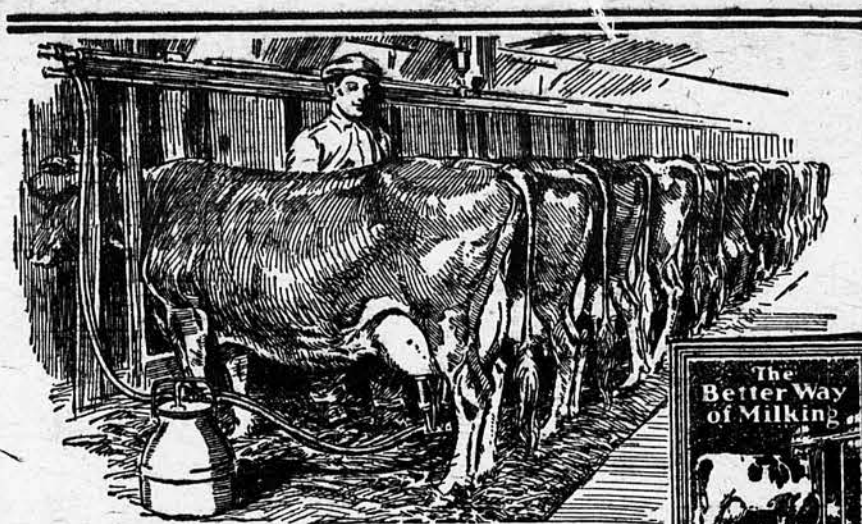
Purebreds should be the ultimate object of the farmer who decides to increase the production of his herd. In selecting the breed he faces his first difficulty for he has available only prejudiced advice which serves only to make the problem more hazy and difficult. It is always good practice to raise a breed which is already in the neighborhood if it is a good dairy breed for more interest is sure to be evident and more helpful co-operation is possible. Some communities have become famous thru the production of certain breeds of cattle. These communities may have their breed association and in this way co-operate in advertising their stock. Co-operatively bull clubs can be formed which make it possible for the beginners to use better bulls for less money than it formerly cost them to use scrubs.

Another matter to consider in this connection is the market for the products and the amount of roughage available. It would obviously not pay to raise cows of the Channel Island breeds to supply as retail milk trade which would not be discriminating enough to pay for the higher quality of milk. Finally, the individual preference of the farmer is to be considered and this is an important item for more interest is sure to be present when a man is working with animals he likes.

It should always be kept in mind that the dairy business like everything else requires skill and judgment combined with experience to insure success. It is not enough for one to be a good herdsman to succeed, he must also be a good business man.

Foreign tourists in France are now avoiding the historic battlefields for the attractive features in large cities.

Fashionable women of social distinction in London are entering the dress-making business.



"I would not think of returning to hand milking"—

So says Mr. Bolmert, a De Laval milker user, shown above, who along with many other dairymen from thirty different states and Canada give their experiences with the De Laval Milker in the book shown to the right.

Mr. Bolmert goes on to say, "My cows are also doing much better than they did by hand milking. They hold first place in the Rogue River Testing Association, and I have cut the time of milking by half."

There are now thousands of De Laval Milkers in use in all sections of the country, and practically all these users agree with Mr. Bolmert that the De Laval Milker increases production over any other way of milking, keeps the cows' teats and udders in better condition, produces cleaner milk, saves time, and makes dairying more pleasant and profitable.

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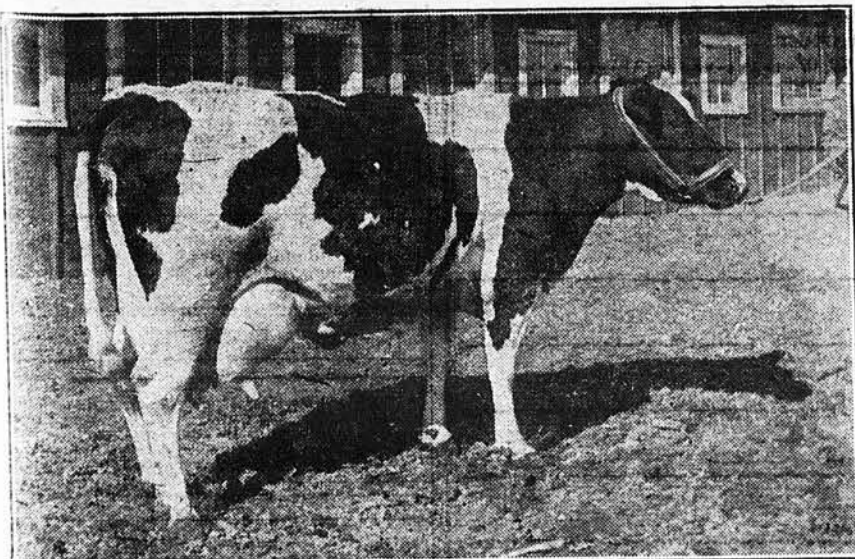
Midwest Steel Products Co., 405 American Bank Bldg., Kansas City, Mo.

Kansas Champion To Kansas City

BY J. H. FRANDSEN

KANSAS dairymen are pleased with the report that Genista Knoll De Kol, the Kansas champion milk producer, and one of the most perfect specimens of the Holstein breed, has just obtained space in the Baltimore Hotel lobby, where she will be at home to receive her friends and admirers during the Heart of America Dairy Show, June 5 to 10.

Genista Knoll De Kol has the Kansas state championship for milk production, having produced 28,663 pounds of milk in one year. She is owned by the Holstein Club of Mulvane and is consigned by them to the National Holstein sale. Her picture is shown below. Note the wonderful udder formation.



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21.....	2.10	6.72	37.....	3.70	11.84
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We believe that every advertisement in this department is reliable and exercise the utmost care in accepting classified advertising. However, as practically everything advertised in this department has no fixed market value, and opinions as to worth vary, we cannot guarantee satisfaction. We cannot guarantee eggs to reach the buyer unbroken or to hatch, or that fowls or baby chicks will reach the destination alive. We will use our offices in attempting to adjust honest disputes between buyers and sellers, but will not attempt to settle minor disputes or bickerings in which the parties have vilified each other before appealing to us.

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TOBACCO—KENTUCKY'S PRIDE, EXTRA fine chewing, 10 lbs., \$3. Smoking, 10 lbs., \$2; 20, \$3.50. Farmers Club, Mayfield, Ky.

HOMESPUN TOBACCO, 5 POUNDS, \$1.25; 15 pounds, \$3. Send no money, pay when received. Farmers Association, Jonesboro, Ark.

HOMESPUN SMOKING OR CHEWING TO-bacco collect on delivery 5 pounds \$1.50; 10 pounds \$2.50; 20 pounds \$4.00. Farmers Association, Paducah, Kentucky.

NATURAL LEAF TOBACCO, CHEWING, 5 pounds, \$1.50; 10 pounds, \$2.50. Smoking, 5 pounds, \$1.25; 10 pounds, \$2. Send no money. Pay when received. Tobacco Growers Union, Paducah, Ky.

TOBACCO—NATURAL LEAF, THREE years old, Extra fine smoking, 6 lbs., \$1. High grade chewing, 6 lbs., \$1.50. Pay for tobacco and postage when received. Farmers' Exchange, 125-A, Hawesville, Ky.

SEEDS AND PLANTS

SWEET POTATO PLANTS, 14 VARIETIES, Write for prices. Johnson Bros., Wamego, Kan.

GARDEN PLANTS ALL KINDS AT REA-sonable prices. Daphorne Bros., Harper, Kan.

RECLEANED SUDAN SEED, FOUR DOZ. lars per hundred sacked. Thomas Morton, Oxford, Kan.

MILLET SEED GOLDEN \$1 PER BUSHEL, Sacks 35c, my station. Geo. C. Ellis, Copeland, Kan.

TOMATO, CABBAGE AND SWEET POTATO plants. 100, 50c; 500, \$2.25; postpaid. Holzer Produce Co., Russell, Kan.

PINK KAFIR SEED, FINE, RECLEANED, 2 1/2 cents lb. Sacks free. Send check. Clyde Ramsey, Mayfield, Kan.

RECLEANED HULLED WHITE SWEET clover, \$4.50; yellow, \$5. Alfalfa, \$7 bu. Sacks 35c. Robert Snodgrass, Augusta, Kan.

HOG MILLET, GOOD FOR HOGS, CHICK-ens and stock. \$1 per bushel. Common millet, 75c. F. O. B. Haswell, Colo. Lynn Adams.

PURE DWARF BLACK HULLED KAFIR, 99% germination. Black Amber cane seed, \$1 bushel my station. John A. McAllister, Russell, Kan.

RED BERMUDA AND YELLOW JERSEY sweet potato plants, 60c per 100, prepaid; \$3 per 1,000, not prepaid. Albert Pine, R. 6, Lawrence, Kan.

WHIPPOORVILL PEAS, \$2.50 PER BU. 10 bu. at \$2.35 per bu. f. o. b. cars Fort Smith. Fort Smith Seed Company, Fort Smith, Arkansas.

EARLY CABBAGE, TOMATO, SWEET PO-tato, Nancy Hall, Yellow Jersey, 100, 50c; 1,000, \$3, postpaid. A. M. Samuelson, R. 3, North Topeka, Kan.

NANCY YELLOW JERSEY SWEET PO-tato plants, 1,000, \$2.75; 5,000, \$2.50 per 1,000. Prepaid. Prompt shipment. Peter Simon, Oakland, Kan.

NANCY HALL YELLOW JERSEY, 100, 35c; 1,000, \$2.50. Tomatoes, 100, 40c; 1,000, \$3. Peppers and egg plant, 100, 45c. Prepaid. H. F. Jackson, R. 3, North Topeka, Kan.

GOOD, RECLEANED, ORANGE-SOURLESS cane seed. Shipments made same day order is received. Price \$1 per bushel. The Gould Grain Co., Bloom, Kan.

SEEDS WANTED—WE BUY CAR LOTS OR less. Alfalfa, clovers, cane, millet, Sudan. Send samples for bids. Ed F. Mangelsdorf & Bros., Wholesale Field Seeds, St. Louis, Mo.

TOMATOES, EARLIANA, EARLY JEWEL, sweet potatoes, Yellow Jersey, Red Bermuda, 50c 100; 1,000, \$1. Large potted Earliana 6c postpaid. Ernest Darland, Colwell, Kan.

PLANTS FROM A NATURAL PLANT country. Plants of all kinds. Certified Nancy Hall plants, \$2.25 per thousand, delivered. Benton County Plant Association, Bentonville, Ark.

SEEDS—ALFALFA, \$8.50 PER BU. KAFIR corn, \$1. Feterita, \$1.10. Sumac or Orange cane seed, \$1. Seed corn, \$1.75. Millet, \$1.25. Sudan grass, \$7.50 cwt. Sacks free. Holzer Seed House, Russell, Kan.

INSPECTED PINK KAFIR SEED, GROWN from hand selected seed, \$1.00 per bushel. Treated for smut \$1.25. Germination, 95-99%. Produces excellent grain and fodder. Recleaned and sacked. G. E. Lee, Pratt, Kan.

DWARF AND STANDARD BROOM CORN seed, \$3; White and Red milo, feterita, Sumac and Orange cane, \$2; White and Schrock Kafir, \$1.50; millet, \$2.50; Sudan, \$3; all per 100 pounds. Claycomb Seed Store, Guyton, Okla.

FANCY RECLEANED WHITE KAFIR (Black Hull), 2c; Orange cane, 3c; Red Top or Sumac, 3 1/2c; Sudan, 6 1/2c. Scarified White Bloom Sweet clover, 10c per lb. our truck, jute bags 15c. Seamless bags 40c each. The L. C. Adams Merc. Co., Cedarvale, Kan.

PLANTS—ALL KINDS TOMATO AND CAR-bage. Sweet potato, Yellow Jerseys, Nancy Hall, Red Jerseys, Red Bermuda, 100, 50c; 1,000, \$3.50. Peppers, 100, \$1. Panishes, dozen, 40c. Postpaid. John Patzel, 501 Paramount, North Topeka, Kan.

AUTO SUPPLIES

AUTOMOBILE OWNERS, GARAGE MEN, mechanics, repair men, send for free copy of this month's issue. It contains helpful, instructive information on overhauling, ignition troubles, wiring, carburetors, storage batteries, etc. Over 140 pages illustrated. Send for free copy today. Automobile Digest, 622 Butler Bldg., Cincinnati.

MISCELLANEOUS

CHAFFEE'S CROW STOP, STOPS CROWS from pulling corn. Enough for one bushel shelled corn, \$1. Prepaid. Jess Chaffee, Northfield, Vermont.

DOGS AND PONIES

PIT BULL TERRIER PUPPIES, BEST dog for guard, varmint or companion. I. F. Cater, Coats, Kan.

SCOTCH COLLIE PUPS FROM REGIS-tered prize winning stock. Price: males, twenty-five; females, fifteen. A. H. Kraft, Vassar, Kan.

GERMAN SHEPHERD, AIREDALES, COL-lies and Old English Shepherd dogs. Breed matrons, puppies. Bred for farm helpers. 10c for instructive list. W. R. Watson, Box 221, Macon, Mo.

POULTRY

Poultry Advertisers: Be sure to state on order the heading under which you want your advertisement run. We cannot be responsible for correct classification of ads containing more than one product unless the classification stated on order.

Andalusian—Eggs

BLUE ANDALUSIAN EGGS FROM FIRST class blues, \$1.50 15; \$8 100; prepaid. H. Rogers, Colwich, Kan.

FARMERS' CLASSIFIED AD USE THIS FORM—IT SAVES DELAY

Mail This to
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ANCONAS

SHEPARD STRAIN SINGLE COMB ANCONAS. Non-sitters. 100 eggs, \$5. Bessie Buchele, Cedarvale, Kan.

PAGE'S ANCONA "DOPE" TELLS WHY we quit all other breeds. It's free. Bred Anconas eleven years. Fill orders promptly. Prepay charges. 16 eggs, \$1.50; 50, \$4.50; 100, \$8; 200, \$15. Our guarantee very liberal. Member both clubs. C. J. Page, Salina, Kan.

Ancona—Eggs

VERY BEST ANCONA EGGS, 115, \$4. Annie Russell, Thayer, Kan.

ANCONAS, BEST LAYING STRAIN, 16 eggs, \$1.50; 100, \$6.50 prepaid. Julia Lingo, Route 7, Newton, Kan.

SINGLE COMB ANCONA EGGS FROM record laying strains, 30, \$2; 100, \$5. Prepaid. Amiel Dorr, Osage City, Kan.

IMPORTED AND SHEPARD STRAIN ANCONA eggs. Extra good layers. Hogan tested, \$1 per 15; \$6 per 100. Satisfaction guaranteed. Shem Yoder, Yoder, Kan.

SINGLE COMB ANCONAS, FAMOUS SHEPARD foundation direct. Closely culled range flock. Selected eggs, 15, \$1.25; 100, \$6. Prepaid. Orders filled promptly. Jno. R. Baker, Downs, Kan.

BABY CHICKS

SINGLE COMB WHITE LEGHORN CHICKS. Orders booked. Box 7, Kinsley, Kan.

BABY CHICKS—PURE BRED ROSE COMB Rhode Island Reds, 15c. Elmdale Red Farm, Oketo, Kan.

RHODE ISLAND RED AND WHITE Wyandotte chicks, 13c. White Rocks, 18c. Clarence Warren, Mankato, Kan.

YESTERLAID SINGLE COMB WHITE Leghorns. Eggs, \$5 100. Chicks, \$15 100. Mrs. Hayes Showman, Sabetha, Kan.

BABY CHICKS—BUFF AND WHITE LEGHorns, Barred Rocks, White Wyandottes. Clay Center Hatchery, Clay Center, Kan.

SINGLE COMB WHITE LEGHORN CHICKS, Barron 250 egg strain, 13c. Live delivery prepaid. Wylles Hatchery, Clay Center, Kan.

SINGLE COMB WHITE LEGHORN CHICKS from heavy layers. Order now for May and June. Myers Hatchery, Clay Center, Kan.

CHICKS FROM BIG BONED ROSE COMB Reds. Hogan tested, heavy layers, 15c prepaid. Mrs. Alex Leitch, Parkerville, Kan.

S. C. WHITE LEGHORN CHICKS FROM high producing stock, 11 cents. Postpaid. Live delivery guaranteed. C. G. Cook, Lyons, Kan.

BABY CHICKS, \$12.00 A 100 UP. BEST stock, free delivery. Arrival guaranteed. Catalog free. Standard Egg Farms, Cape Girardeau, Mo.

BABY CHICKS—PURE S. C. BLACK MINORCA, 16 cents. S. C. Buff Leghorns, 14 cents. Live delivery prepaid. Rhodes Hatchery, Clifton, Kan.

YOU BUY WORLD'S BEST SINGLE COMB White Leghorn chicks from \$10 to \$20 per 100 that will make you money from Clara Colwell, Smith Center, Kan.

BABY CHICKS, S. C. WHITE LEGHORN Tom Barron 240 egg strain at reduced prices for May and June. Order now. Queen Hatchery, Clay Center, Kan.

PURE BRED ROSE COMB BROWN AND White Leghorns, 100, \$12. Live delivery guaranteed. Eggs, 10c, \$5. Belleville Center Poultry Farm, Belleville, Kan.

BABY CHICKS—YOU BUY THE BEST chicks for the least money, guaranteed alive and shipped everywhere, from Colwell Hatchery, Smith Center, Kan.

GUARANTEED CHICKS, ANCONAS, 15 cents; White or Brown Leghorns, 14 cents; Barred Rocks, 20 cents. Postpaid anywhere. Catalog free. Monarch Hatchery, Zeeland, Mich.

QUALITY CHICKS—LEGHORN, \$11 PER hundred; Reds, \$12; Plymouth Rocks and Anconas, \$13; White Wyandotte, \$14. Live delivery. Parcel post paid. Fleda Jenkins, Jewell, Kan.

BABY CHICKS—BOOKING ORDERS FOR June delivery. Barred Rocks, Rhode Island Reds at \$12 per hundred. Prepaid and live delivery. Money to accompany order. The Charma Hatchery, N. Topeka, Kan.

BABY CHICKS FROM HOGANIZED STANDARD bred flocks, Barred Rocks, White Rocks, R. I. Reds, White Wyandottes, Buff Orpingtons, Anconas and White Leghorns from \$10.50 up. Catalog. Steb's Hatchery, Lincoln, Ill.

PURE BRED, "ALL LEADING VARIETIES" from tested heavy laying strain, prepaid, 100% live delivery anywhere. Satisfied customers in 30 states. Satisfaction guaranteed. Send for illustrated catalog. Loup Valley Hatchery, Box 80, Cushing, Neb.

BABY CHICKS—PURE BRED BARRON strain English White Leghorns. Extra selected heavy producing stock. Excellent winter layers. \$12.50 per hundred. Postpaid. Live delivery guaranteed. Johnson's Hatchery, 109 Buchanan St., Topeka, Kan.

LOOK! 1 1/2 MILLION "JUST-RITE" BABY chicks for 1922, postage paid, 95% live arrival guaranteed. Month's feed free with each order. 40 breeds chicks. Select and exhibition grades. We have a hatchery near you. Catalog free, stamps appreciated. Nabob Hatcheries, Dept. 40, Gambler, Ohio.

DAY OLD CHICKS—ROSE AND SINGLE Comb Reds, Buff, Barred and White Rocks, Single Comb White, Buff and Brown Leghorns, Buff Orpingtons, Black Langshans and Anconas. Good sturdy stock hatched in mammoth electric incubators. Prices right. Edward Steinhoff & Sons, Leon, Kan.

ROSS BABY CHICKS, PURE BRED, VIGOROUS stock, 10-20 cents, prepaid, live delivery. White, Buff, Brown Leghorns; Barred Rocks; White Rocks; Buff Orpingtons; Rhode Island Reds. Catalog free showing greatest incubator system in the world. Ross Hatchery, Junction City, Kan.

BABY CHICKS: 11 TO 17c EACH, BARRED Rocks, Rhode Island Reds, Buff Orpingtons, White Leghorns and Brown Leghorns. Hatched from pure bred parent stock that are properly housed and fed to produce strong healthy chicks. Customers report having raised 95%. Circular free. 100% delivery guaranteed. The Porter Hatchery, Winfield, Kan.

Brahma—Eggs

LIGHT BRAHMA EGGS, FOUR CENTS entire season. Harry Brooks, Clyde, Kan.

PURE BRED MAMMOTH LIGHT BRAHMA, 15 eggs, \$1.50. Cora Lilly, Westphalia, Kan.

Bantam—Eggs

BUFF COCHIN BANTAM EGGS, 10c EACH delivered. L. M. Shives, Route 3, Tyrone, Okla.

Duck and Geese—Eggs

PURE PEKIN DUCK EGGS, 11, \$1. EMMA Lovgren, Winkler, Kan.

WHITE CHINA GOOSE EGGS, \$4.50-DOZEN prepaid. Mrs. W. A. Stagner, Plainville, Kan.

WHITE PEKIN DUCKS, PRIZE WINNING strain, \$1.25 setting. Elmer C. Larson, Courtland, Kan.

STANDARD WEIGHT MAMMOTH WHITE Pekin duck eggs, \$1.75 12; \$3 24 postpaid. Mrs. Anton Triska, Hanover, Kan.

PURE FAWN AND WHITE INDIAN RUNNERS. Extra fine stock. Eggs, \$1.25 per 12. Mrs. Helen Romary, Olivet, Kan.

ENGLISH PENCIL RUNNER DUCK eggs. Heavy laying strain, \$1, \$1.25; 100, \$6. Mrs. Cameron Smith, Durham, Kan.

WILD GRAY MALLARD CALL DUCK eggs. Just the thing for decoy shooting. Full instructions. 25 cents each. Federal and state license. Ben Ely, Kinsley, Kan.

Guinea—Eggs

WHITE AFRICAN GUINEA EGGS, 18 FOR \$1. Mrs. Fosh, Louisville, Kan.

WHITE AFRICAN GUINEA EGGS, 17, \$1. L. Brahma eggs, 15, \$1.25. Mrs. Dick Walters, R. 7, Abilene, Kan.

LEGHORNS

ROSE COMB BROWN LEGHORNS, CHICKS, 13c. Eggs, 4c. Prepaid. Belle Larabee, Haddam, Kan.

BARRON'S WHITE LEGHORNS DIRECT from importers. Range flock. Eggs, \$5 100. Chicks, \$14 100. Mrs. Royal Ramsey, Beloit, Kan.

IMPORTED ENGLISH BARRON SINGLE Comb White Leghorns. Trap-nest bred to record 300 eggs. Eggs, chicks, guaranteed. Geo. Patterson, Richland, Kan.

NOTICE TO BUFF LEGHORN BREEDERS—Any ad offering Wilson's eggs or baby chicks for sale, other than my own, is false. I am the sole owner of Wilson's Buff Leghorns. Herb Wilson, Holton, Kan.

3,000 SELECT SINGLE COMB WHITE Leghorn pullets of certified egg strain for April, May, June delivery. Not hatchery stuff. Prices, quality and service will please. "Grant," Leghorn Man, Elk Falls, Kan.

Leghorn—Eggs

ROSE COMB WHITE LEGHORN EGGS, \$4 100. Carroll Barr, Westmoreland, Kan.

SINGLE COMB BUFF LEGHORNS, GREAT layers, \$4.00 100. John A. Reed, Lyons, Kan.

SINGLE COMB BUFF LEGHORN EGGS, \$4 100. Mrs. S. F. Crites, Florence, Kan.

BOOK OF BUFF LEGHORNS FREE. ALL eggs reduced 25%. Haines, Rosalia, Kan.

PRIZE WINNING SINGLE COMB BROWN Leghorn eggs, 4c each. Chas. Dorr, Osage City, Kan.

SINGLE COMB BROWN LEGHORN EGGS, \$4.50 100 postpaid. Grover Easter, Abilene, Kan.

SINGLE COMB BROWN LEGHORN EGGS, \$3.75 per 100 postpaid. Fleda Jenkins, Jewell, Kan.

PURE ROSE COMB BROWN LEGHORN eggs, 4 1/2c each. Prepaid. Eva Duvall, Concordia, Kan.

PURE BRED ROSE COMB BUFF LEGhorn eggs, \$6 per 100 prepaid. R. F. Johnson, Dunlap, Kan.

SINGLE COMB WHITE LEGHORN EGGS from Barrons 272-287 egg strain, \$4 per 100. James Ross, Belvue, Kan.

PURE SINGLE COMB BUFF LEGHORNS. Good layers. Selected eggs, 100, \$4. Chicks, 14c. Herbert Rhodes, Clifton, Kan.

HATCHING EGGS, SINGLE COMB WHITE Leghorn Barron strain, exclusively for ten years, \$4 per 100. Will Wedd, Oak Hill, Kan.

PURE SINGLE COMB DARK BROWN LEGhorns of quality. Eggs \$4.50 hundred. Postpaid. Mrs. Harry Augustus, Waterville, Kan.

BARRON STRAIN WHITE LEGHORNS. Large type, healthy eggs, \$5.00-100. Satisfaction guaranteed. Claude Post, Mound City, Kan.

S. C. BUFF LEGHORN EGGS, \$5 PER 100. Fertility, satisfaction guaranteed. Egg bred exhibition flock. Chester Hines, Emporia, Kan.

SINGLE COMB WHITE LEGHORN EGGS. Now half price. Young strain. First prize winners Hutchinson. Jay Crumpacker, McPherson, Kan.

SINGLE COMB DARK BROWN LEGHORN eggs. Tested flock. "Everlay" sires; \$5.50-100 postpaid. Mrs. Harvey Crabb, Bucklin, Kansas.

DIGNAN'S QUALITY BUFF S. C. LEGhorns. Even buff, winners, layers. Eggs, postpaid, 100, \$5; 15 extras. Mrs. J. L. Dignan, Kelly, Kan.

ROSE COMB BROWN LEGHORNS, 10 years in breeding stock for eggs, winter and summer with splendid result. Eggs, \$5 per 100. Baby chicks, 20c each. W. Giroux, Concordia, Kan.

SINGLE COMB WHITE LEGHORNS, world's champion layers. Tom Barron 317 egg strain. Certified by Kansas State Agricultural college. Eggs, \$5 100 prepaid. Moorish-White Leghorn Plant, Burlington, Kan.

FERRIS-YESTERLAID SINGLE COMB White Leghorns. Bred for size. Winter eggs. Flock headed to Ferris 255-300 egg strain direct. Free range. Fertility guaranteed. \$5.50 110. Postpaid. Mrs. L. B. Takemire, 2517 Lincoln St., Topeka, Kan.

COMPARE OUR BLOOD, OUR PRICES. Original stock 1919, from world champions 288 eggs. World champion (304 eggs) hen's grandsons headed flock last year. Only high producing hens, selected by state judge, kept this year with high testing 225 cockerels heading flock. Eggs, \$6 100. Pure Tom Barron Single Comb White Leghorns. Perry Dietrich, Miltonvale, Kan.

LANGSHANS

PURE WHITE LANGSHAN SCORED AND tested chicks, 20c. Eggs, \$6.50 100; \$1.50 15. Mrs. Edgar Lewis, Mullinville, Kan.

PURE BRED WHITE LANGSHAN EGGS. Hens great layers. Chicks. Baby cockerels. Reduced. Sarah Greisel, Altoona, Kan.

Langshan—Eggs

BLACK LANGSHAN EGGS, 100, \$6; 15, \$1.50. Cockerels, \$2. Bertha King, Solomon, Kan.

Minorca—Eggs

SINGLE COMB BLACK MINORCA EGGS, \$6 100. Henry Schumaker, Clifton, Kan.

Orpington—Eggs

WHITE ORPINGTON EGGS, \$5 100. MRS. Jas. Crocker, White City, Kan.

PURE BRED S. C. BUFF ORPINGTON eggs, \$4.50 100. Mrs. B. Hutcheson, Oakhill, Kan.

CRYSTAL WHITE ORPINGTON EGGS, Kellerstrass, \$5 100. Gordon North, White City, Kan.

PURE SINGLE COMB BUFF ORPINGTON eggs. Good layers. \$4 100; 75c 15. Elmer Graves, Clifton, Kan.

PURE BRED SINGLE COMB BUFF Orpington eggs, \$5 per hundred prepaid. Mrs. Geo. McAdam, Holton, Kan.

WHITE ORPINGTON EGGS FROM FIVE pens of layers and blue ribbon winners. Goodrich and Harper, 712 Topeka Ave., Topeka, Kan.

BUFF ORPINGTONS EXCLUSIVELY. Closely culled. Carefully bred for twelve years. Good layers. Prize winners. Eggs \$7 100; 15, \$1.25. Olive Carter, Mankato, Kan.

PLYMOUTH ROCKS

BARRED ROCK EGGS, PARKS 200-EGG strain, \$5 30; \$10 100 delivered. Half price after May 1st. Gem Poultry Farm, Haven, Kan.

PURE THOMPSON IMPERIAL RINGLET cockerel mated eggs \$50 males, trap-nested hens. Yards, \$5 setting. Range, \$3; \$15 100. Mrs. Robert Simmons, Severy, Kan.

IMPERIAL RINGLET BARRED PLYmouth Rock eggs and chicks for sale, from breeding yards headed by largest males in Kansas. Weight 9 1/2 to 14 each. Eggs, 15, \$2; 100, \$10. Chicks, 50, \$12.50; 100, \$20. Satisfaction guaranteed. A. L. Hook, North Willow Poultry Ranch, Coffeyville, Kan.

Plymouth Rock—Eggs

PURE BUFF ROCK EGGS, \$4.50 100. MRS. Hedgespeth, Wilsey, Kan.

BUFF ROCK EGGS, 30-\$2.25; 100-\$6. Mrs. Guy Nelson, Circleville, Kan.

BARRED ROCK EGGS, \$6 PER 100. MRS. Annie Galbraith, White City, Kan.

100 BUFF ROCK EGGS, \$5; 50, \$3. MRS. Maggie E. Stevens, Humboldt, Kan.

BARRED ROCK EGGS, \$5 100. W. E. Richardson, Box 128, Barnard, Kan.

PURE BRED WHITE ROCK EGGS, 100, \$5; 15, \$1. Mrs. Elwin Dales, Eureka, Kan.

WHITE ROCK EGGS, 100, \$4.75; 50, \$2.50. Jenkins Poultry Farm, R. 3, Jewell, Kan.

BARRED ROCK EGGS, 100, \$6; 15, \$1.50. Hens, \$2.50. Mrs. J. B. Jones, Abilene, Kan.

PURE BRED BARRED ROCK EGGS, 30-\$1.85; 100-\$5.00. Catharine Beightel, Holton, Kansas.

REDUCED BUFF ROCK EGGS, \$4.75 100; \$2.75 50; \$1.25 15 prepaid. A. R. Quintette, Ames, Kan.

BUFF ROCK EGGS, \$1.50 15; \$7 100. BRED for exhibition and egg production. Emery Small, Wilson, Kan.

WHITE ROCK EGGS FROM PRIZE WINning pens, \$1.50 per 15. H. K. Baer & Son, Stamford, Neb.

HIGH PRODUCING WHITE ROCKS. 200 egg strain. Now \$4 100, \$1 15. H. C. Loewen, Peabody, Kan.

BARRED ROCKS—84 PREMIUMS, 35 firsts. Eggs, 15, \$3; 30, \$5. Mattie A. Gillespie, Clay Center, Kan.

BUFF ROCKS, TWENTIETH YEAR. EGGS, \$6 per hundred; \$3.50 per fifty. Mrs. Homer Davis, Walton, Kan.

BARRED ROCK EGGS, \$1 SETTING. Reid's Yellow Dent seed corn, \$1.50 bushel sacked. Jas. Weller, Holton, Kan.

BARRED ROCKS, BRADLEY STRAIN. Large bone. Yellow legs, heavy layers. 100 eggs, \$6; 15, \$1.25. Mrs. Ira Emig, Abilene, Kan.

WHITE ROCKS. TWENTY-ONE YEARS selective breeding. 100 eggs, \$5; 50, \$3; 15, \$1; postpaid. Bracken Fogle, Williamsburg, Kan.

BUFF ROCKS—FARM FLOCK, PURE. Good laying strain with vitality. Eggs postpaid, 15, \$1.25; 100, \$6. F. J. Landes, Route 1, Abilene, Kan.

HEAVY LAYING STRAIN OF BARRED Rocks, 18 years select breeding. Eggs, \$1.25 per 15; \$6 per 100. Mrs. Helen Romary, Olivet, Kan.

PURE BRED BARRED ROCKS, BRADley strain, large bone, fine barring. Eggs, 15, \$1; 50, \$3; 100, \$5; prepaid. Mrs. O. R. Shields, Clifton, Kan.

BARRED ROCKS, WINNERS BRED TO lay. Thompson strain, 15, \$2.50; 100, \$5. Special pens either mating, \$5 15. Wm. C. Mueller, R. 4, Hanover, Kan.

TOMPSON STRAIN BARRED ROCKS, YELlow legs, big boned, red eyes, barred to the skin. Eggs, 100, \$6; setting, \$1.25. Mrs. Fred Miller, R. 3, Box 24, Abilene, Kan.

EXHIBITION QUALITY BARRED ROCKS. Stock from Thompson, none better, heavy layers, fertility guaranteed. Selected eggs, 100, \$6; 50, \$3; 15, \$1.50. Prepaid. D. A. Rodgers, Concordia, Kan.

BUFF ROCKS BRED FROM CHICAGO AND Kansas City first prize winners, fine, large, even colored, heavy laying stock. Eggs per setting, \$2.50, \$10 per hundred. Catalog free. C. R. Baker, Abilene, Kan.

PURE BUFF ROCKS, BRED FROM CHICAGO, Milwaukee and Topeka winners. Fine Buff, good winter layers, hens weigh to 8 1/2 lbs. Eggs, 15, \$1.75; 50, \$4; 100, \$7. Mrs. C. N. Mason, Uniontown, Kan.

Rhode Island—Eggs

SINGLE COMB REDS, 100 EGGS, \$5.00. Gertrude Haynes, Grantville, Kan.

LARGE DARK S. C. RED EGGS, 15, \$1.25; 30, \$2. George Slater, Emporia, Kan.

DARK SINGLE COMB RED EGGS, \$1.50 15; \$6 100. John Greenleaf, Mound City, Kan.

PURE ROSE COMB RED EGGS FROM good layers, \$5 100. Mrs. Mark Brown, Wilmore, Kan.

Rhode Island—Eggs

ROSE COMB PURE BRED. EXCELLENT type. 15 eggs, \$1 postpaid. Ada Dillingham, Sabetha, Kan.

PURE ROSE COMB DARK RED RHODE Island eggs, \$6.50 100 postpaid. Mrs. Ed Whiteside, Waterville, Kan.

PURE BRED DARK ROSE COMB RED eggs, \$6 postpaid. Free range. Mrs. Chas. Lewis, Wakefield, Kan.

PURE BRED RED TO THE SKIN ROSE Comb Rhode Island Red eggs, 15, \$1; 100, \$5.00. Dr. L. B. Cantwell, Syracuse, Kan.

LARGE DARK RED SINGLE COMB EGGS, 30, \$2.75; 50, \$3.75. 250 egg strain pedigree males. Mrs. Frank Smith, Route 2, Lawrence, Kan.

ROSE COMB RED EGGS. HENS PROgeny \$50 male. Mated to \$5 to \$15 birds. 30 eggs, \$3; 50, \$4; 100, \$7.50. W. R. Huston, Americus, Kan.

SINGLE COMB REDS BRED FROM CHICAGO and Kansas City first prize winners, fine, large, dark, heavy laying stock. Eggs, \$2.50 per setting, \$10 per hundred. Catalog free. C. R. Baker, Abilene, Kan.

Rhode Island White—Eggs

FINE RHODE ISLAND WHITES. EGGS, \$2 15. Mrs. R. W. Colburn, Girard, Kan.

WYANDOTTES

BEAUTIFUL SILVER WYANDOTTE cockerels, \$5. Eggs, \$3 for 15. Mrs. Edwin Shuff, Plevna, Kan.

SILVER WYANDOTTES, STATE TEST, certified. Eggs, range flock, \$1.50 15; \$6.50 100. Pen, 15, \$2.50. Chicks, 22 cents. Lawrence Blythe, White City, Kan.

Wyandotte—Eggs

BRED TO LAY WHITE WYANDOTTE eggs, \$1.25 setting; \$4 100. J. Lilly, Westphalia, Kan.

WHITE WYANDOTTE EGGS FROM CHOICE stock, \$1 16; \$5 105. Mrs. Will Beightel, Holton, Kan.

BUFF WYANDOTTE EGGS, \$5 PER 100. Baby chicks, 14c. Jenkins Poultry Farm, R. 3, Jewell, Kan.

CHOICE PURE BRED SILVER WYANDotte eggs, \$6 100; \$3 60. Postpaid. Mrs. Girard, Madison, Kan.

WHITE WYANDOTTES, MARTIN KEELER strain. 100 eggs, \$6; 50, \$3.50. Safe delivery guaranteed. Garland Johnson, Mound City, Kan.

REGAL STRAIN DIRECT. WHITE WYANDotte eggs from heavy laying prize winning stock, \$1.25 15; \$6 100; prepaid. Mrs. Benj. Carney, Marion, Kan.

WHITE WYANDOTTES, EXTRA LAYERS, closely culled. Regal Dorcas cockerels from Martin of Canada head flock. 100 eggs, \$5.50; 30, \$2.50 prepaid. Fertility, safe delivery guaranteed. Chas. Kaiser, Miltonvale, Kan.

Turkey—Eggs

PURE BOURBON RED TURKEY EGGS, 10, \$4.50. Emma Lovgren, Winkler, Kan.

MAMMOTH BRONZE TURKEY EGGS, 50c each. Mrs. Middleton, R. 2, Chetopa, Kan.

GIANT BRONZE TURKEY EGGS FROM large select stock. Virra Bailey, Kinsley, Kan.

BOURBON RED TURKEY EGGS, CHOICEST stock, \$5 per 10. Mrs. Clyde Meyers, Fredonia, Kan.

MAMMOTH BRONZE. SIRE FROM A SON of a \$250 tom. Eggs, \$1. Utility, 75c. E. McArthur, Walton, Kan.

MAMMOTH, WHITE HOLLAND TURKEY eggs, 75 cents each. Certified class A. Stevens Whistler, Diamond Springs, Kan.

MAMMOTH BRONZE TURKEYS FROM Chicago and Madison Square winners. Eggs, \$1 each; 11 for \$10. E. Biddleman, Kinsley, Kan.

GIANT BRONZE TURKEY EGGS. BEST of breeding. \$1 each. First prize tom at Wichita State Poultry Show at head of flock. Booking orders. Ben Ely, Kinsley, Kan.

Several Varieties—Eggs

TOULOUSE GEESE, LIGHT BRAHMA eggs. Walter Seimears, Howard, Kan.

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CASH BIDS ANY TIME ON BROILERS, hens, eggs. The Copes, Topeka.

PREMIUM PRICES PAID FOR SELECT market eggs and poultry. Get our quotations now. Premium Poultry Products Company, Topeka.

CULTRA COMPANY, 114 INDEPENDENCE Ave., Kansas City, wants selected, clean, fresh eggs. Write them for their special offer. Shipping cases furnished free.



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Cuts prices to the core on engines, separators, spreaders, fence, paint, roofing, harness, seeds, farm machinery and household necessities. Get Galloway low prices giving direct from factory reductions before buying. Save one-fourth to one-half. Half a million pleased customers testify to Galloway perfection in manufacturing and out-the-door merchandising. Satisfaction guaranteed. Cash or time. 30 days trial. Send for big free catalog with thousands of bargains today.
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Box 47 Waterloo, Iowa



Guaranteed to catch him every time. Any small boy can set it. If not satisfied money refunded. Agents wanted. Send \$3.00 for 1/2 dozen, or \$5.00 for 1 dozen. **SUCCESS GOPHER TRAP CO., Harlan, Ia.**



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The Household now goes to over a million and a quarter subscribers each month. There are a number of fine features to the Household, but the two dominating ones are "Around the Family Table" and Senator Arthur Capper's Washington letters. These are worth much more than the small price of 10c. The 10c does not pay us but we want you as a new friend. Send your dime or stamps today for an 8 months trial subscription. **HOUSEHOLD, Dept. 7, Topeka, Kansas**



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No. 9600 is a popular, practical design that is easy to make and easy to launder. Every houseworker will readily appreciate our new one-piece Apron Pattern as it is the most practical that can be worn, and it only takes two yards of 36-inch material for apron size 36. This Apron gives the wearer an exceptionally neat appearance while performing her daily household duties. It is simple, attractive and comfortable. The pattern is cut in three sizes: 36, 40 and 44.
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We will send this kitchen Apron Pattern, No. 9600, FREE to all who send in one new subscription to Capper's Farmer to Capper's Farmer at 25c. Your own renewal will count. Be sure and give size you want and mention Pattern No. 9600.
Capper's Farmer, Apron Dpt. 102, Topeka, Kan.

State Grange Notes

BY ERNEST McCLURE

AGRICULTURE has been dried out, blown out, squeezed out and this spring it is being drowned out. Legislation and irrigation do not trouble the tiller of the soil so much as proper drainage, at the present writing. The sentiment to limit production is intensified by nature this year and needs no propaganda to stimulate it.

The Great Lakes Shipping Route

The Great Lakes and St. Lawrence deep waterway seems to the Grange of Kansas to be of little interest to our people. It seems that the natural outlet to the ocean traffic would be to the Gulf thru the Texas ports. The great difficulty now is to get direct railroad rates. Our rate from Wichita to Kansas City and back to the Gulf is just the same as the rate direct to the Gulf. It seems that if the rates were adjusted properly, that our outlet to European markets would logically be thru the Gulf, and in this way relieve the congestion that would naturally happen if we tried to centralize all our shipments to Chicago and thru the Lakes, and a channel yet not built, and which develops into international question that will not be settled in a short time.

International Points Involved

Speaking of the Great Lakes and St. Lawrence River Deep Waterway, T. C. Atkeson, the Grange representative in Washington says: "The great obstacle at the present time seems to be the international question involved. A bill has been introduced in Congress to provide for the acquisition by the United States of the Canadian territory lying between the present north-west border of New York and New England states and the St. Lawrence River, and it plans to make the St. Lawrence River the international boundary and thereby justify the combined improvement of the waterway. President Harding is understood to have taken the position that a treaty must be negotiated between the United States and Great Britain before definite work can be undertaken or money spent."

Senate Farm Bloc Program

Senator Capper, who succeeded Senator Kenyon as chairman of the so-called agricultural bloc in the Senate, made the first announcement of the new program of the bloc in a speech on April 13. He mentioned approval of legislation restoring to railway commissions much of their pre-war powers, immediate resumption of work on the

Government's "great fertilizer and power plants on the Tennessee River" and the development of the Muscle Shoals project, support of the Capper-French Truth-In-Fabrics bill, reform of the agricultural credit system including the extension of the War Finance Corporation's work until July 1, 1923. He also asked for a law which will "make the Federal Reserve Board more responsive to farmers' credit needs" and the appointment of a representative of agriculture on this.

Truth-In-Fabrics Bill

The Capper-French Truth-In-Fabrics bill is beginning to receive renewed attention. This bill is before a sub-committee of the Senate Interstate Commerce Committee. Senator Watson, a member of the sub-committee, has resigned and if a Senator is appointed in his place who is actively interested in the bill to provide for the labeling of fabrics to show exactly what they contain, there is a possibility of action on this bill at this session of Congress.

Steady Growth of Granges

There has been a steady growth of Granges and Grange work, during the last year. The coming year is proving to be one of substantial growth. Concord Grange near Hartford has started a move to build a new hall, and word is received that other Granges are working for permanent homes and will announce plans in the near future.

Three juvenile Granges have been organized during the present year. The little folks are taking hold of the work enthusiastically and learning many useful things which will stick to them during their whole life, no matter where they go, or what they do for a living.

Growing Okra or Gumbo

BY D. C. MOORING

Okra is a vegetable that will be available during the hot dry season of the year and is worthy of planting in Kansas gardens. Okra can be prepared for the table in a variety of ways and where used with tomatoes a delightful soup mixture is the result. It may be harvested and dried easily.

Okra is a tender plant and should not be planted until all danger of frost is past. A row of okra across the garden will give an abundant supply for the average size family. Okra prefers a rich mellow loam soil with a good nitrogen supply.

Plant in rows 3 1/2 feet apart where dwarf variety is used and 4 1/2 feet apart for the large standard varieties. Drill the seed about an inch deep and when up and well started thin to 14 to 18 inches apart, according to whether the variety is dwarf or standard. Where skips occur in the row plants may be transplanted in order to fill the skips.

Cultivation should consist of maintaining a surface mulch in order to conserve moisture and to keep down the grass and weeds.

As the pods become large enough they should be kept harvested in order to keep a fresh supply. Where the pods are left on the plant they become hard and not fit for use and at the same time check the fruitfulness of the plant.

Clean Out the Mites

BY ZELLA WIGENT

Mites are the little fellows that crawl on you every time you go into the chicken coop; they make the setting hens leave their nests; they suck the very life-blood of the hens; they drive the hens to roost on trees and fences in order to escape torment.

You won't get many eggs if your hens are feeding mites. It takes too much good red blood to keep the mites going. Mites live and breed in the cracks and crevices of the coop. In warm weather they multiply so rapidly that they can be gathered by handfuls if left undisturbed.

Clean and thoroughly disinfect the entire coop at least once a year. After this thorough annual cleaning, spraying the roosts and nests once a month will in most cases keep the mites under control.

Any good disinfectant can be used. A mixture of 3 parts kerosene and 1 part crude carbolic acid is effective. Kerosene emulsion is better than plain kerosene because it sticks longer.

To make an emulsion dissolve a bar

of laundry soap in a gallon of hot water. Add 2 gallons of kerosene and stir vigorously so that no oil stands on the surface. To this stock solution add 8 gallons of water.

To make a cresol soap mixture, dissolve a bar of laundry soap in a pint of hot water. Add a pound of commercial cresol. When cold stir in a gallon of kerosene. Apply without diluting. Don't get any of this on the hands or face as it will smart.

The lime sulfur used for fruit trees is also effective.

There is no profit in mites or lice.

Invest Safely and Profitably

In these days when every dollar counts and when so many "investment" schemes are directed at the farmer, the problem of investing surplus funds is really important. I believe that I have solved that problem for the readers of Kansas Farmer & Mail & Breeze. This investment is backed by 28 years of success in a business which has grown to be one of the strongest concerns in the Midwest, and in fact, the largest business of its kind in the world. Further conservative expansion and additional equipment are the motives for obtaining additional capital at this time. Amounts of \$100 or more are solicited. The rate of interest is 7 per cent payable semi-annually with the privilege of withdrawing any or all of the investment at any time upon 30 days' notice. I can unqualifiedly recommend this investment and believe it as safe as a government bond. A letter to me will bring you promptly further information. **Arthur Capper, Topeka, Kansas.**

A dollar is now estimated to be worth 66 2/3 cents in wholesale buying power, as compared with 36.7 cents in May, 1920, when prices were at their peak.

REAL ESTATE

SALE OR EXCHANGE

LIST MDSE. with us for land and income. **Triplett Land Co., Garnett, Kansas.**

WESTERN KANSAS. Improved ranch. Beautiful home. 3,600 acres. For income property. **L. B. 448, Sterling, Kansas.**

FOR AGENCY AND GARAGE WANT FARM Sales last year \$104,000, always been money-maker, good Kansas town, brick building. Handles all Ford parts, accessories, Fordson tractors. Poor health makes change necessary; price including building, \$28,000.

GARAGE-WANT FARM Town of 15,000, brick bldg., block court house, fine show room; contract for four counties for Studebaker cars. Price \$25,000. **Mansfield Investment Co., Lawrence, Kansas.**

REAL ESTATE WANTED

WANTED—To hear from owner of land for sale. **O. K. Hawley, Baldwin, Wisconsin.**

TRADES—What have you? List free. **Bersie Farm Agency, El Dorado, Kansas.**

WANT TO HEAR from party having farm for sale. Give particulars and lowest price. **John J. Black, Capper St., Chippewa Falls, Wis.**

I WANT FARMS and lands for cash-buyers. Will deal with the owners only. **R. A. McNowa, 329 Wilkinson Bldg., Omaha, Neb.**

I HAVE CASH BUYERS for salable farms. Will deal with owners only. Give description and cash price. **Morris M. Perkins, Columbia, Missouri.**

WE HAVE customers for wheat land in south-west Kansas. Write us what you have, must be cheap and easy terms. Give local description and full particulars in first letter. **Niquette & Bosworth, Garden City, Kansas.**

LAND INFORMATION

THE GREAT NORTHERN RAILWAY has 8,000 miles of railroad in Minnesota, North Dakota, Montana, Idaho, Washington, and Oregon. In this vast empire lands are cheap and taxes low. Send for free book describing grain lands, dairying, fruit growing and stock raising. We can locate you no matter what line of agriculture you wish to follow. Low round trip homeseekers fares. **E. C. Leedy, Dept. G, St. Paul, Minn.**

LAND—VARIOUS STATES

SELL YOUR PROPERTY QUICKLY for cash, no matter where located, particulars free. **Real Estate Salesman Co., 615 Brownell, Lincoln, Neb.**

PRODUCTIVE LANDS. Crop payment or easy terms, along the Northern Pacific Ry. in Minnesota, North Dakota, Montana, Idaho, Washington and Oregon. Free literature. Say what state interests you. **H. W. Byerly, 81 Northern Pacific Ry., St. Paul, Minn.**

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Farm & Ranch Loans
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Lowest Current Rate

Quick Service. Liberal Option.

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THE PIONEER MORTGAGE CO., TOPEKA, KANSAS.

School Boys and Girls!

We want some information that will only take a minute of your time, but we will pay you for it by sending you 6 beautiful postcards that you'll be glad to use in dropping a line to anybody, anywhere. They are real stuff; not gaudy cheap cards. All you have to do is to fill out the blank below, clip out the whole ad, mail it to us before May 20 and we'll send

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Now when you fill out this blank, don't fudge to try to please us. If you don't use a fountain pen, say so. The "clutch" pencil we refer to is the kind in which leads are fed out by turning the head of the pencil so that it is always sharp. Just check the answers, or write in the figures, sign your name and address, and mail to

Bureau of Research, Kansas Farmer and Mail & Breeze, Topeka, Kansas

Do you use a fountain pen? Yes..... No.....

Do you use a clutch pencil? Yes..... No.....

About how many pupils in your school use a fountain pen?.....

About how many use a clutch pencil?.....

How many pupils does your school have?.....

Does your father use a fountain pen? Yes..... No..... Clutch pencil? Yes..... No.....

Does your mother use a fountain pen? Yes..... No..... Clutch pencil? Yes..... No.....

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All advertising copy must be in type or set in type and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication.

REAL ESTATE AGENTS WANTED

R. E. AGENTS WANTED
To sell land along new Santa Fe in Haskell and Grant counties. Only real opportunity to sell land now. Write Griffith & Baughman, Liberal or Santa Fe, Kansas.

KANSAS

160 ACRES at \$20. Near Lydia, Wichita Co. Unimproved. Theo. Arndt, Milford, Ohio.

FINE large eastern Kansas farm; well imp. Particulars write H. Millar, Garnett, Kan.

136 ACRES, imp., \$70 per a. Write for terms and description. C. F. Easinger, Harper, Kan.

80, WEST, KAN., excellent wheat land, \$15 to \$20 per a. Joe McCune, Elkhart, Kan.

SMOOTH, wheat lands. Reasonable price. Terms. Clement L. Wilson, Tribune, Kan.

150 ACRES, 1/2 mile town. Land lays well, improvements fine, modern. \$125 acre. Franklin Co. Investment Co., Ottawa, Kan.

160 ACRES—Wichita Co. All good tillable land. Good water. Write Geo. H. Gross, 902 Kansas Ave., Topeka, Kansas.

FOR SALE—Fertile level 80 a. dairy farm, 1 mi. south Olathe, Kan. Oil road, electricity. Particulars write A. S. Meyers, Olathe, Kan.

320 ACRES in Wichita county, all good, level land, \$17.50 per acre, liberal terms. H. L. Baker, LaCrosse, Kansas.

IF YOU want to buy, sell or trade your land for income or general mdse. write Ringy & Nelson, 114 W. 8th, Topeka, Kan.

320 ACRES, Grant county on Santa Fe building from here. \$20 acre. Near new station. Terms. John D. Jones, Santa Fe, Kan.

90 ACRES, 5 miles town; improved; 22 alfalfa. Must sell settle estate. Mansfield Land & Loan Co., Ottawa, Kan.

S. E. KANSAS FARM, \$75.00 ACRE
150 acres highly and newly improved. Culver & Clay, Humboldt, Kansas.

80 ACRES HIGHLY IMPROVED, \$65 ACRE
1/2 mile of town, 2 railways, best bargain in E. Kan. Sewell Land Co., Garnett, Kan.

KANSAS BARGAIN—Solid section, 9 miles wide, unimproved, rolling, all in grass, running water. \$20 acre. Terms. No trade. Jas. H. Little, LaCrosse, Kansas.

LAND producing \$100 to \$1,000 per acre, 5 to 40 acre, payments, \$50 to \$300 down. Send for booklet. The Magnolia State Land Company, Iola, Kan.

480 ACRES virgin soil, \$7750. Best wheat land. Stanton county, near Ry. (now bldg.) \$1000 cash, bal. annual payments, 6% int. Write owner, James Herrick, Johnson, Kan.

SOUTHEASTERN KANSAS. Good farm lands. Low prices, very easy terms. Exchanges made. Send for booklet. The Allen County Investment Co., Iola, Kan.

STANTON, GRANT AND HASKELL county. Kansas, land, 1/4 section and up, \$15 to \$20 acre. Buffalo grass sod. Best wheat land. Santa Fe Ry. now under construction. 1/2 cash, balance 5 years 4% annually. This land will double in value after R. R. is built. Bargains in S. W. Kansas improved farms. Write Eugene Williams, Minneola, Kansas.

Pay No Advance Fee Don't give option or tie up real estate for any kind of contract without first knowing those you are dealing with are absolutely honorable, responsible and reliable.

KANSAS

BUY IN northeastern Kansas where corn, wheat and all tame grasses are sure. Send for farm list. Silas D. Warner, 727 1/2 Commercial St., Atchison, Kansas.

SEVERAL good wheat farms and ranches in southwest Kansas. Clear. To trade for eastern Kansas or Missouri farms if clear. Clay McKibben Land Co., Dodge City, Kan.

BUY LAND NOW while it is cheap, crop prospects were never better, plenty of moisture which insures big crop. We have some real bargains. The Carlton Land Co., Oakley, Logan Co., Kansas.

QUARTER ON NEW R. R. Haskell Co., 4 miles from town on Santa Fe building out of Santa Fe. Price \$2,900. Terms on \$1,500. All level wheat land. Write owners, Griffith & Baughman, Liberal, Kan.

80 ACRES, 6 miles Ottawa, good imp., worth \$150 a. Take \$110, good terms, possession. 165 a., 3 mi. R. R. town, high school, Franklin Co., good imp., \$80 per a., extra good terms. Write Spangler Land Co., Ottawa, Kan.

FORCED SALE—80 acres, good land, small improvements, good bearing orchard, fine location, near oil fields. Great bargain. Price only \$67.50 an acre; \$1,000 cash, balance your terms. Come at once. Address, The Allen County Investment Co., Iola, Kan.

640 ACRES, \$30.00 per acre, mostly level as a floor, fine soil, choice improvements on cement pavement, near Garden City, with fine schools and junior college. One-half cash, balance easy terms, 7%. Also, 1,600 acres pasture and wheat land, \$12.50 per acre, in 160 acre tracts, \$800 down, balance crop payment plan, or easy terms. Geo. W. Fanning, Garden City, Kansas.

FOR SALE—210 a. high class grain farm; well improved; 2 miles of town; ideal farm for dairying. For full particulars of this and other farms write the Mansfield Land Mortgage Co., 312-13 New England Bldg., Topeka, Kansas.

320 ACRES, five miles town, good improvements, 40 acres wheat. Price \$40.00 per acre. Want highly improved farm close to town. Write for list and Kansas map. Mansfield Investment & Realty Company, Healy, Lane County, Kansas.

THE HOME YOU HAVE ALWAYS WANTED
320 acres rich fine land on oil road; beautiful drive to K. C., wheat, corn, alfalfa, bluegrass, clover grow to perfection, living water, 6 r. house, large barns, cribs, granary, finely located, near two good towns, school across the road, possession, forced sale; \$95 per acre, attractive terms. Where can you duplicate it? See this farm. MANSFIELD LAND & LOAN COMPANY, 415 Bonfils Bldg., Kansas City, Mo.

148 ACRES—A bargain. Owner has poor health. 65 cultivation, 25 alfalfa, 58 pasture. 12 room house with basement and water system. Two barns, 24x40 and 36x50. Two chicken houses 10x50 each. Cattle shed 14x30. 80 rods to grade and high school. Church across road. Borders small town. Price, \$15,500. Terms. Send for description. Col. J. Curtis, Osage City, Kansas.

TEXAS

FOR SALE—1,300 acres, 1 mile Santa Fe station, Seipscomb Co., Tex. Near Okla. line; good for grain or stock ranch. For particulars write Milo J. Owen, Barton, Vt.

ARKANSAS

WANT 160 ACRES free homestead land? Write M. H. Decker, Norfolk, Arkansas.

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 Doyel & Alsip, Mountainburg, Arkansas.

SEND NO MONEY IN ADVANCE
Ten acre oil lease in southern Arkansas only \$25, near drilling wells. Everything sent on approval. Return papers if not satisfied. Write now and get best location. Map and geological reports free. John D. Baker, DeQueen, Arkansas.

COLORADO

BUY Colorado farms and farm mortgages. Write or see Capital Investment Co., American Bank Building, Denver, Colorado.

400 ACRES, water 12 feet. 14 miles from Denver, mile. Victory Highway. \$12,000, terms. Chandler Meyer, Aurora, Colorado.

30,000 ACRES, heart of Baca Co. farming belt. Wheat and corn average 30 bu. acre. Price \$15 to \$30. Chas. Stoner, Vilas, Colo.

CHOICEST, most productive farm lands, \$12.50 to \$25.00 per acre. Baca county. Syndicate Land Co., Springfield, Colo.

40 BUSHEL LEVEL WHEAT LAND, \$40 per acre, in the famous Burlington, Colorado District. Level, near market. Terms to suit. F. A. King, Owner, Burlington, Colo.

IMPROVED FARMS on Colorado Springs Farmers' Highway. \$15 to \$50 acre, rich sandy loam, bountiful crops. Noah Holt, Box 387, Pueblo, Colorado.

BACA COUNTY LAND, \$15 to \$25 acre. Schools, churches, wheat, corn, 20 to 40 bu. acre. Two Rys. under construction. Prices advancing. Ellis & Norvell, Stonington, Colo.

ATTENSHUN! FORWARD! MARCH!
How many, many times you have wished for a wheat farm in Baca Co., Colo. Here is one only 7 miles west of Springfield, the capital city of Baca Co. Extra good land, shallow water, 1/2 mile to state highway. The price? Yes, it is too cheap, but we must sell. Only \$12.50 per acre. Terms on part. Otto Alexander, Springfield, Colorado.

MONTANA

MONTANA WHEAT LAND
Write F. P. Rowell, Judith Gap, Mont.

OKLAHOMA

80 ACRES—1 mile Fairview. Fair improvements. 50 a. wheat. \$5,500. A. H. Ratzlaff, Fairview, Okla.

COLORADO

MISSOURI

160 ACRES, 12 cleared, some fruit, \$1,000. Worth \$1,500. Ross & Reynolds, Buffalo, Mo.

LISTEN, 40 acre imp. farm \$1200. Good terms. Other farms. McGrath, Mountain View, Mo.

WRITE FOR FREE LIST of farms in Ozarks. Douglas Co. Abstract Co., Ava, Mo.

\$1 WEEKLY will buy a home of 20 acres, good land, in sunny south Missouri. Particulars free. W. A. Merriam, Taneycomo, Mo.

277 ACRES, rich level black land, joining Sedalia, Mo. 3 sets imp., will subdivide, terms. C. E. Kroh, Scarritt Bldg., K. C. Mo.

POOR MAN'S CHANCE—\$5 down, \$5 monthly, buys forty acres grain, fruit, poultry land, some timber, near town, price \$200. Other bargains. Box 425-O, Carthage, Missouri.

ATTENTION FARM BUYERS—I have all size farms for sale. Well improved. Good soil. Good water. Mild climate. Low prices. Good terms. List free. Write Frank M. Hamel, Marshfield, Mo.

WASHINGTON

MUNICIPAL LANDS FOR SALE

By the district, no agents, no commission. Interested only in getting home builders on the project. Longest growing season in the northwest. Gardens and fruits thrive. Highways, schools and railroads the best. Junction Snake and Columbia Rivers. Write for terms and folder. Address

BURBANK IRRIGATION DISTRICT NO. 4, Burbank, Washington.

SALE OR EXCHANGE

SELL and exchange Franklin Co. land, \$75 a. and up. Lyman Dickey & Co., Ottawa, Kan.

WANTED a small hardware stock in a good town in exchange for a good farm. Address, 2274 Russell Ave., Kansas City, Kan.

320 ACRES, bottom, 1/4 mi. R. R., high school, 285 cult., 80 alfalfa, 80 wheat, for hdw. or general mdse. L. S. Hoover, Eureka, Kan.

FOR SALE OR TRADE—320 acres tractor wheat land on R. R. and highway. 7 miles county seat town. Also a 1,203 acre improved stock ranch. H. E. Tandy, Hugo, Colo.

TRADES—TRADES—TRADES
Describe your property. Tell me what you want. Get my list. Prompt service. Reasonable commissions. No deal, no pay. Trade quick with C. M. Kelley, The Land Man, Beaver City, Nebraska.

TO THE INVESTOR

We have some bargains in farms, ranches and income property for sale and exchange. If you have something for exchange tell us your wants. Also have grocery stores, confectioneries and other small business propositions for sale. If you are in the market for anything get in touch with us.

Hemphill Land Company, Lawrence, Kansas.

Be The Landlord, Not The Renter

\$30 to \$60 per Acre.
Ten Years' Time.



\$30 to \$60 per Acre.
Ten Years' Time.

Threshing the 1921 wheat crop on Fred Miner's farm. Mr. Miner purchased 2,000 acres of choice wheat land from The Doll-Lamb Land Company in June, 1920. His rent for the season 1921 on 1,100 acres netted him \$6,300. The wheat was of the finest quality and of the Kaured variety. Mr. Miner is highly pleased and expresses himself as having great faith in the agriculture possibilities of Southeastern Colorado, having clearly demonstrated to his own satisfaction that he can raise more bushels of wheat and a far better quality on the low price \$30 to \$60 per acre Colorado land than he has been able to grow on his high priced \$150 to \$200 per acre land in Eastern Nebraska. Colorado and Prowers County especially has room for and welcomes men of Mr. Miner's type.

MR. LANDLORD you have made money on your high priced land. This land can double in value and still be cheap. Buy now before the price doubles.

MR. RENTER quit renting that high priced land. We can help you to own your own home. All we ask is our third of the purchase price down, ten years time on the balance at 6% interest. Pay it like rent. Own your own home while you are living well. We can help you to fortune and financial independence. Resolve right now to own your own farm in Prowers County, Colorado, in a climate most healthful and invigorating. Good soil, good water, good roads. Close to Lamar, the county seat, one of the best towns on the main line of the Santa Fe railroad. Prowers County Colorado, welcomes you. Will you come? Write for our free booklet entitled "The Passing of the 3V," a story of the vanishing range.

The Doll-Lamb Land & Mortgage Company
Lamar, Colorado

THE DOLL-LAMB LAND & MORTGAGE COMPANY.
Without obligation on my part, please send me free booklet describing life of the Passing of the 3V, a story of the vanishing range.
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on 4 time orders
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Enclose find \$..... Run ad written
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L. A. Poe's Duroc Sale

Hunnewell, Kan., Wednesday, May 31

12 tried sows, 28 gilts, (bred) and a few boars.
Most of the tried sows are by a Col. bred boar out of dams by Pathfinder Jr. by Pathfinder. (Pathfinder Jr. owned by G. M. Shepherd, Lyons, Kan.) and bred for Sept. farrow to Great Orion 7th, grandson of Great Orion, 1918 world's grandchampion.
August and September gilts are by Great Orion 7th out of the tried sows and bred for September farrow to a son of Major's Great Sensation by Major Sensation, 1919 world's junior champion.
Practically the whole Poe herd, 160 head descended directly from one sow, King's Model 8th, purchased May 1919. This sow is still in the herd with a good litter at side. It pays to start with good foundation material. You will find it in this sale.
Sale under cover at farm 5 miles southwest of Hunnewell or 12 miles southeast of Caldwell. Mention Kansas Farmer and Mail & Breeze when writing for a catalog. Send mail bids to J. T. Hunter. Cliff Savage, Auctioneer. J. T. Hunter, Fieldman.

SPOTTED POLAND CHINA HOGS

Bazant's Spots

Challenge the Best



No public sales, but the best at private treaty.
I offer for immediate shipment in light crates—
100 last August gilts, bred or open. Registered free in the Spotted Poland China Record association, and bred to either of my great herd boars bred by Fields and Oberchain and carrying plenty of English breeding.
265 spring pigs in pairs and trios, not related. Sired by the great boars mentioned above. All are vaccinated.
Special prices on larger numbers.
No breeder anywhere can offer 100 better fall yearling gilts than the 100 Mr. Bazant offers in his advertisement. The spring pigs are the best I have seen this spring.—J. W. Johnson, Capper Farm Press.
Everything immunized.
For prices, descriptions and any other information write to

R. J. Bazant, Narka, Kan.

Cloverdale Spotted Polands

Weaned pigs by Royal Duke 45083, one of the best sons of Y's Royal Prince 8th. These pigs out of five to six hundred pound sows, mostly granddaughters of Old King of England. Are choice well marked with plenty of length, height and extreme bone. At \$20 each or \$55 for an unrelated trio. They sell guaranteed to suit you or money back. Ship C.O.D. if desired.
WM. ATWELL, BURLINGTON, KANSAS

Gilts Bred to Son of Grand Champion

Leopard King. A few tried sows and spring pigs, grandsons Arch Back King. Also good herd boar. Everything immune. T. L. Curtis, Dunlap, Kansas.

Spotted Poland Chinas

Stock of all ages. The best blood lines.
A. S. Alexander, Burlington, Kansas.

Spotted Polands, Both Sexes

Big type and English. C. W. Welschbaum, Altamont, Kan.

Spotted Poland China Pigs, Either Sex

Best bloodlines. Hubert Sherman, Geneva, Kan.

TAGGART'S SPOTTED POLANDS

We are offering boar pigs at a bargain, shipped in May; also a few sows. Write us.
Taggart Bros., Olpe, Kansas

SPOTTED POLAND BOARS bred and open gilts, Feb. and March pigs. Double immunized and Reg. free. Wm. Meyer, Farlington, Kan.

SPOTTED POLAND CHINA Weaned boar pigs, extra good, well marked. Farmers prices. Satisfaction guaranteed. W. T. Jones & Son, Tonkawa, Okla.

HAMPSHIRE HOGS



Walter Shaw's Hampshires
200 HEAD: REGISTERED.
Immunized, tried bred sows and gilts, serviceable boars.
WICHITA, KANSAS, RT. 6.
Telephone 3918, Derby, Kan.

Purebred Hampshire Pigs

for sale, either sex, each \$15; pair, \$25; trio, \$37.50. Joe O'Bryan, St. Paul, Kansas.

WHITEWAY HAMPSHIRE ON APPROVAL

Choice fall boars and gilts. Big hardy fellows sired by the champion. Immunized pairs and trios not related.
F. B. WEMPE, FRANKFORT, KANSAS.

SUMMIT HOME

Choice fall gilts and boars ready for service, prize winning strain. Immunized and shipped on approval. S. W. Shinneman, Frankfort, Kan.

REG. HAMPSHIRE PIGS FOR SALE

Pairs and trios unrelated.
Malcolm Woodson, Penasosa, Kansas

SWAMPED WITH INQUIRIES

"Please stop my 7 line card ad in Kansas Farmer and Mail & Breeze. Haven't time to answer inquiries. Practically all sold out."
—Homer Drake, Sterling, Kan.,
Breeder of Duroc Jersey Hogs, Feb. 15, 1922.

DUROC JERSEY HOGS

ValleySpring Durocs

SENSATIONS — PATHFINDERS — ORIONS
Boars all ages. Sows and gilts bred to outstanding boars for July and August and September litters. Immunized, guaranteed breeders and pedigrees. Year's time if desired.
E. J. Bliss, Bloomington, Kan. (Osborne Co.)

HERD BOAR PROSPECTS

All ages. Priced right. Shipped on approval. By Greatest Sensation, half brother to 1921 Topoka champion, and Waltemeyer's Giant by Mahaska Wonder. Also BRED SOWS AND GILTS.
W. R. HUSTON, AMERICUS, KANSAS

Champion Victory Sensation

Boars. Real ones. Cracking Sensation yearlings. Half brothers to 1921 Topoka champion. Fifty Victory Sensation 3rd gilts bred for Sept. litters. Write me.
B. R. ANDERSON, McPHERSON, KANSAS

A Few Outstanding Fall Boars

by Major Sensation's Col., 1922 Kansas Nat'l grand champion, and by his litter brother, Major's Col. Sensation. Priced right. The home of champions.
J. F. LARIMORE & SONS, GRENOLA, KAN.

Shepherd Calls a Halt

No bred sows and gilts for sale at this time. Offering fall boars by Shepherd's Orion Sensation and Pathfinder Jr. Good ones. Write us.
G. M. SHEPHERD, LYONS, KANSAS

DUROCS

No bred sows or gilts at this time. Twenty fall gilts open. Ten fall boars. Eight spring yearling boars. All good ones.
D. C. ASHER, LAWRENCE, KANSAS

Gilts to Farrow in June

\$30 each. Also some fall boars. 150 spring pigs at weaning time. Sensation and Pathfinder breeding. J. E. Weller, Holton, Kan.

Durocs \$20 to \$30

Boars ready for service. Fall pigs, either sex, not related, by Hurdler Pathfinder and Valley Wonder Sensation. E. C. MUNSSELL, RUSSELL, KANSAS.

Wooddell's Fall Boars

Growthy, well bred boars. Priced right.
G. B. WOODDELL, WINFIELD, KANSAS

DANNER'S DUROC JERSEYS

Fall boars by Major's Great Sensation, junior champion 1921 Kansas fair. Good ones priced to sell. T. F. Danner, Winfield, Kan.

FALL BOARS BY PATHFINDER

Sire out of Uneda High Orion dam, \$25.00.
H. B. Marr, Route 3, Fort Scott, Kansas

WEANLING DUROCS FOR SALE

By Major Sensation Col., Grand Master and other good sires. At prices any farmer can afford to pay.
Overstake Bros., Atlanta, Kansas

POLAND CHINA HOGS

Deming Ranch POLANDS

Two-year-old sows bred to Latchnite for April farrow. Choice September, October and November pigs, either sex. A few Latchnite litters among October and November pigs. If you want a Latchnite pig get your order in early.
H. O. Sheldon, Supt. Swine Dept., Oswego, Kan.

FALL FARROW POLAND BOARS

By three good herd sires: Ringmaster by Tom Half Ton, King Checkers by Checkers, Gerstale Orange by Smooth Orange. Good ones priced to sell. Come and see them or write us.
F. E. WITTUM, CALDWELL, KANSAS

Reg. Poland Show Hogs

for sale. Grand champion stuff. Fall pigs, both sex, wt. 200, \$30. Weanling pigs, not related, \$15. F. M. Simon, Colwich, Kansas.

Good Stretchy Fall Boars

The best blood lines. Reasonable.
Edmund R. Beavers, Junction City, Kansas

GOOD, GROWTHY POLAND CHINA BOARS

by Valley Jumbo of fall farrowing, from big litters. Price \$20 and \$25, satisfaction guaranteed. E. M. Wayde, Burlington, Kansas.

FALL BOARS AND GILTS

by W's Giant and Gerstale 2nd out of Big Bob Jumbo and W's Yankee dams. Immunized.
W. E. Nichols, Valley Center, Kansas

AYRSHIRE CATTLE

Ayrshire Cows, Heifers, Bulls

Young cows in calf or with calf at foot, yearling heifers, bulls of serviceable age, calves both sex. High producing families. Tuberculin tested.
R. W. CUMMINS, PRESCOTT, KANSAS

When writing advertisers mention this paper

What's New in Livestock

BY OUR FIELDMEN AND REPORTERS

ONE of the oldest breeders of Shorthorns in Atchison county, W. H. Graner of Atchison, Kan., sold a nice lot of yearling Shorthorn heifers and bulls at auction at his farm one mile north of Lancaster, April 21. The average was about \$40. Mr. Graner raises Shorthorns on his farms and holds these sales every spring in order to settle up on an equitable basis with his tenants. This was the twenty-third sale held by Mr. Graner in Atchison county. He is a brother of H. C. Graner who owns one of the fine herds in Atchison county.

Have You Helped?

Do you know there is a Kansas Shorthorn Breeders' Association? Do you know it has been supported in the past by a few men who are vitally interested in Shorthorn cattle?

The organization can be made an organization which will be a benefit to Shorthorn breeders and Shorthorn cattle in Kansas.

The state association should be supporting shows, calf clubs, sales and Shorthorn baby beef contests. This cannot be accomplished without funds. There are more than 2,000 Shorthorn breeders in Kansas. If every breeder would join the state association, ample funds would be provided to do some real constructive promotional work for Shorthorn cattle.

Mr. Shorthorn Breeder, help your business by joining the association and sending your annual dues of \$2 to A. M. Paterson, secretary-treasurer at Manhattan, Kan.

John R. Tomson, President.

Dover, Kan.

Satisfactory Coffey County Sale

The Coffey County Shorthorn Sale, Burlington, Kan., last spring was not very satisfactory and consignors this spring feared the results this time. The sale April 25 was very satisfactory. Eleven females including one under year heifer averaged \$77. Five serviceable aged bulls averaged \$92.50; and six under year to yearling bull calves averaged \$49.25.

Sale average on the 22 head was \$74. G. F. Armstrong of Hartford consigned the top animal, a bull that went to Victor Leuwald, Burlington for \$115. This was Mr. Armstrong's first consignment to any sale as he has very recently taken up the business of raising Shorthorns. He raised this bull himself. J. V. Wallace, Waverly paid second top price \$105 for a young bull consigned by C. H. White, Burlington. The top cow was a Polled cow consigned by Chester Huit, Waverly that went for \$100 to Charles Volland, Westphalia. Fifteen buyers took the offering. As usual the better fleshed cattle sold better regardless of quality.

Polled Shorthorn Milk Record

Victoria Lady 6th, a roan 7 year old Polled Shorthorn cow, has completed a record of 11,335 pounds of milk and 431 pounds of butterfat in a year at Woodside Farm, owned by W. C. Wood of Indiana. She is by Reveler Hero, a sire with three daughters averaging 9,830 pounds of milk and 370 pounds of butterfat. Victoria Lady 6th is an all-Woodside bred cow, and traces on both sides to the Woodside herd that won the premier exhibitor's herd prize at the St. Louis Fair in the Polled Shorthorn classes, and her third sire was Golden Hero, grand champion at St. Louis, judged on a beef basis.

Rule and Woodlief-Duroc Sale

The Rule and Woodlief Duroc sale on April 22 at Ottawa, Kan., resulted in an average of \$40.50 for 57 head as follows: Ten tried sows, some with pigs at side, \$53; 30 fall gilts, some unbred at \$37.25; 17 fall boars at \$39; 57 head were absorbed by 31 buyers of which 23 buyers bought one apiece, six took two apiece, one took three, another took four, a third man took six, and a fourth buyer took seven. Distribution of the offering was quite widespread. Local buyers met considerable competition from outside buyers.

Some Durocs went to Oklahoma, Missouri and Northwestern Kansas. G. L. Adams of Ottawa, Kan., bought

the highest number of hogs and topped both female and boar offerings. The top female was a spring gilt by Stills out of a daughter of Jack's Orion King 2nd at \$95. Top boar was by Pathmaster at \$70.

Duroc Meeting at Wichita

The Kansas Duroc Jersey Breeders Association held a very successful meeting in Wichita, April 15. The membership was well represented and every one was optimistic in regard to the future. Fall fairs and next winter sale circuits were discussed at length. The next meeting of the association will be at Topeka, during the Kansas Free Fair on the evening of the day that the Durocs are judged.

Harshbarger Made Very Good Sale

The Ruben Harshbarger sale held at Humboldt, Nebraska, May 3, was well attended by Nebraska farmers and breeders with quite a sprinkling of buyers from Kansas and Missouri. The offering was an exceptionally high class one and, perhaps, was worth more than it sold for, but Mr. Harshbarger expressed himself as being well pleased with results. The 33 females sold for \$8,580, an average of \$260 a head. Six bulls sold for \$1,490, an average of almost \$250. The top bull, a wonderful young white son of Village Choice and out of Parkdale Augusta 7th, sold for \$505, the top of the sale and was bought by Bath Brothers of Brownville, Neb.

Village Choice sold for \$490, going to George Codington, Auburn, Neb. The top female, Parkdale Augusta 7th with calf at foot, topped the sale at \$600 and was bought by J. H. Degginger, Albany, Mo. Hoskins & Ogden of Republican, Neb., were heavy buyers of top stuff among other good purchases being the cow Oak Grove Missie, a daughter of Supreme Certificate, with a white bull calf at foot. Wm. Oelling of Roca bought several head as did S. A. Walker, Johnson, Neb.; E. J. Lamb, Tecumseh, Neb.; Joe Weber & Son, Tecumseh, Neb.; A. C. Shellenbarger, Alma; Jake Speck, Cook; Henry Moeller, Marysville, Kan.; Major Brothers, Brownville, and Louis Buckholtz, Hardy, Neb.

The National Holstein Convention

BY J. B. FITCH

If you are at all interested in dairying you should be pleased to note that the Holstein-Friesian Association of America is to hold its annual meeting at Convention Hall in Kansas City, on June 7, 1922. No matter what dairy breed affiliation you have you should be interested in this announcement, as it is evidence that the Southwest country is receiving some recognition from the dairy interests, and I am going to predict that other dairy breed associations will follow the Holstein Association in holding their important meetings in this territory.

Not content with bringing the annual meeting of the Holstein Association

The Livestock Service of the Capper Farm Press

Is founded on the Kansas Farmer and Mail and Breeze, the Nebraska Farmer Journal, the Missouri Ruralist and the Oklahoma Farmer, each of which leads in prestige and circulation among the farmers, breeders and ranchmen of its particular territory, and is the most effective and economical medium for advertising in the region it covers.

Orders for starting or stopping advertisements with any certain issue of this paper should reach this office eight days before the date of that issue. Advertisers, prospective advertisers or parties wishing to buy breeding animals, can obtain any required information about such livestock or about advertising, or get in touch with the manager of any desired territory by writing the director of livestock service, as per address at the bottom.

Following are the territory and office managers:
W. J. Cody, Topeka, Kansas, Office.
John W. Johnson, Northern Kansas.
J. T. Hunter, Southern Kansas.
Stuart T. Morse, Oklahoma.
Jesse R. Johnson, Southern Nebraska.
R. A. McCartney, Northern Nebraska.
O. Wayne Devine and Chas. L. Carter, Missouri.

T. W. Morse, Director of Livestock Service
Kansas Farmer and Mail and Breeze
Topeka, Kansas

tion to Kansas City, the Missouri and Kansas Holstein breeders have arranged a show of dairy exhibits and dairy cattle that never has been equaled here in the Southwest. This show is being called "The Heart of America Dairy Show," and will be held at Convention Hall, Kansas City, Mo., from June 5 to June 10, 1922. The show is open free to the public, and the railroads are offering special rates to Kansas City covering these dates.

Tuesday, June 6, will be devoted to an educational program; Wednesday will be given over to the meeting of the Holstein-Friesian Association, and on Thursday and Friday, 165 head of Holstein cattle, from 20 different states, will be sold at public auction.

Kansas dairy farmers should arrange now to attend this show in Kansas City—even if not interested in this breed of cattle, you certainly should be interested in the things that will take place during the week.

Hundreds of leading dairymen of the United States will be in Kansas City during the time from June 5 to 10. Let's turn out and look them over.

Miss Julia Stimson, dean of the Army Nurses' Training School, is the first and only woman major in the United States Army.

The United States Army has 18,000 officers, or approximately one to every seven enlisted men.

Big Corn Crop is Expected

(Continued from Page 24)

public sales are being held. Cream is worth 30c and eggs are 17c.—John I. Aldrich, May 8.

Greenwood—Wet weather still continues and farmers are discouraged over getting started with their planting of corn. Very little corn has been planted but about the

usual acreage is planned if the weather clears up. Pastures are fairly good and livestock is being put out to graze. Oil activities are at a standstill except in the eastern part of the county. Apple and cherry trees are in bloom and indications are that there will be a good fruit crop. Cattle are worth \$8.—A. H. Brothers, May 8.

Haskell—Wheat, oats and barley are making seasonal growths. The soil is thoroughly soaked as we have had nearly 8 inches of rain during the last week. Some of the fields are very weedy. Farmers are listing and plowing. Grass is getting a good start. Pig losses are above normal. The calf crop is large this spring. All kinds of livestock are in from fair to good condition.—H. E. Tegarden, May 6.

Harper—Wet weather still continues. Some farmers will summer fallow for wheat next fall. The pig and chicken crops are rather light. Alfalfa is excellent. Spring work is behind. Wheat is from 100 per cent to nothing.—S. Knight, May 8.

Harvey—The weather is still cool, cloudy and rainy. Wheat, alfalfa and grass are coming along satisfactorily. Corn planting is rather backward. All kinds of livestock are in excellent condition. Fruit trees are still unharmed. Wheat is worth \$1.20; corn, 62c; butter, 35c and potatoes are \$1.40; eggs, 20c; broilers, 40c.—H. W. Prouty, May 8.

Jefferson—Sowing of oats is completed and most of the oats planted are up. The acreage will not be so very large owing to the fact that it is so late. All kinds of livestock are excellent. The first cutting of alfalfa promises to be extra good. A few farmers intended to start planting corn this week if the weather permits. Not much sheep shearing has been done yet.—Arthur Jones, May 6.

Jewell—We have had 3 1/2 inches of rain in the last week which is the first moisture of any consequence since July 3, 1921. Oats and barley are looking fine. Gardens are all coming up. Farmers are beginning to list corn and as soon as the ground is dry enough will push the planting until completed. Pastures and alfalfa are making an excellent growth. Cattle and horses are in good condition for spring. There is a great deal of excitement among farmers over tuberculosis in milk cows in Jewell county at present.—U. S. Gidding, May 6.

Lane—More than 2 inches of rain fell during the last week and everything is growing nicely. Grass is making a good growth. The roads are very muddy. No sales have been held this week. Stock is doing well on pasture now.—S. F. Dickinson, May 8.

Leavenworth—Wheat is making a good growth and is in excellent condition except in wet spots. A very small acreage was sown to oats. The corn acreage will be increased. Very little spring work has been

Milk Flow Decreased on Cane Hay

BY EARLE H. WHITMAN

EXPERIMENTAL work in feeding dairy cows is a new field for the Fort Hays Experiment Station, but already interesting results have been obtained by L. C. Aicher, superintendent of the station. A test to compare the feeding value of cane hay and alfalfa for milk production has been carried on for 30 days, and will be continued a month longer.

Five cows are being used in this experiment, comprising representative Holsteins, one purebred and four well-bred grades. The cows were fed cane hay 15 days, then alfalfa hay the next 15 days. They were weighed at the beginning and again at the close of each 15-day feeding period. Each cow was offered 10 pounds of cane or alfalfa hay, 30 pounds of cane silage, and a standard grain ration was fed at the rate of 1 pound to every 3 1/2 pounds of milk produced. The grain ration was composed of a mixture of 400 pounds of ground kafir, 200 pounds of bran and 100 pounds of linseed meal. The cows actually consumed 7.7 pounds of cane hay a day, of the 10 pounds offered, while of alfalfa hay they ate 8.8 pounds a day.



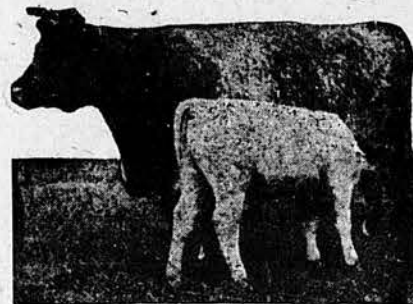
These are the Holsteins at Fort Hays Experiment Station on Which Tests are Being Made as to the Feeding Value of Cane and Alfalfa Hay

During the first 15-day period, while the cows were on cane hay, the total milk production was 2,075 pounds. When fed alfalfa during the second 15-day period, the milk production was 2,146.4 pounds, or an increase of 71 pounds. This increase was made despite the fact that the cows had been giving milk long enough to have reached the time when the tendency is to decrease the milk flow. The length of the lactation period of the five cows, respectively, was as follows: 217 days, 211 days, 190 days, 92 days, 81 days.

An interesting phase of the experiment was the increase in weight of the cows as the test progressed. The average weight at the beginning was 1,138 pounds. At the close of the 15-day period of feeding cane hay the cows averaged 1,181 pounds, a gain of 43 pounds. At the end of the 15-day alfalfa feeding period the cows averaged 1,215 pounds, having gained 34 pounds. "These gains might be interpreted to mean that cane hay has a tendency to increase weight and decrease milk flow," comments Mr. Aicher, "whereas alfalfa hay both increased weight and milk flow but the increase in weight was not so great with alfalfa as with cane hay."

Important Shorthorn Sale

Skidmore, Mo.,
May 31



44 head consisting of 24 head mature cows. Several have calves at foot and are re-bred to Model Cumberland and Red Supreme.

10 choice yearling and 2-yr.-old heifers. They are the kind most breeders keep in their herds, valuable heifers of exceeding promise.

10 young herd bulls that will work an improvement wherever they go. The opportunity, therefore, is rare for selection by men who appreciate the combined value of proper conformation and good breeding, such as this offering represents. The catalog is ready to mail. Please send for your copy today and kindly mention this paper when you write.

John Crist & Sons, Skidmore, Mo.

H. W. Estes' Postponed Shorthorn Sale

Sitka, Clark Co., Kan., Thursday, May 25

55 Scotch and Scotch topped Shorthorns including 20 cows with calves at foot, 18 heifers, and 17 bulls. All cows and heifers are sired by or bred to Victoria's Dale, a straight, Cruickshank Victoria by a son of Avondale Renowned as the greatest breeding son of Whitehall Sultan. The daughters of Victoria's Dale are bred to Lovely Marshall by Marshall Defender by Village Marshall out of a dam by Ruberta's Goods from the E. S. Dale herd. A number of the cows are heavy milkers.

Bulls are by Victoria's Dale and good herd sire prospects. Victoria's Dale sells because he is too closely related to many females in the herd. The calves are a wonderful lot proving the supremacy of the matrons as breeding animals.

Bad weather and bad roads compelled postponement. Sale now takes place at a time when pastures will be good and ready for cattle.

Write for catalog. Mention Kansas Farmer and Mail & Breeze. Address

H. W. Estes, Sitka, Kan.

Boyd Newcom and B. U. Towner, Auctioneers. J. T. Hunter, Fieldman.

Note These Bulls In Salter Shorthorn Sale Wichita, Kan., Friday, May 19

Mating of Imp. Bapton Corporal and Imp. Whitehall Mint produced Park Place Corporal, a bull that is the result of blending of the best of the herds of the 3 greatest living breeders of Scotland; Durno, Willis, Duthie. Other good ones include a number by Bapton Corporal, 2 by British Emblem, 2 by Missie's Last, 1 by 2nd. Fairacres Sultan, 1 by Pleasant Sulan, 1 by Imp. Aberdeen, 1 by Cumberland King, 1 by Maxwellton Wanderer, 1 by Watonga Searchlight. As to females; cows with Bapton Corporal calves, cows carrying his service, others with calves, cows with calf to Park Place Corporal, and open heifers. This offering is the best blending of blood lines ever assembled from Park Place. Every animal in the herd from which this offering came passed Federal test without a reactor. Sold with 60 day retest privilege. See May 6 issue for display advertisement.

RED POLLED CATTLE

Fort Larned Ranch

12 coming two Red Polled Bulls which must be sold immediately. Write for prices. E. E. FRIZELL & SONS, Frizell, Kan.

Choice Red Polled Bulls and Females
All ages. From our accredited herd. Shipped on approval. Schwab & Son, Clay Center, Neb.

Pleasant View Stock Farm
Registered Red Polled cattle. For sale, a few choice young bulls, cows and heifers. Halloran & Gambrill, Ottawa, Kansas

FOSTER'S RED POLLED CATTLE
A few choice young bulls.
C. E. Foster, Route 4, Eldorado, Kan.

RED POLLS. Choice young bulls and heifers. Write for prices and descriptions. Chas. Morrison & Son, Phillipsburg, Kan.

RED POLL BULLS, calves to yearlings, by Fulbert, a real sire out of prize winning dams. C. O. Wilson, Rantoul, Kansas.

BERKSHIRE HOGS

WEANLING BERKSHIRE PIGS FOR SALE
Well grown, cholera immune, registered; out of large correct type, easy feeding quality sows. Price \$20. L. M. Knauss, Garnett, Kan.

SHORTHORN CATTLE

Would You Increase Your Income?

Improve your market by improving what you have to sell. Invest in Shorthorns. American Shorthorn Breeders' Association 13 Dexter Park Avenue Chicago, Ill.

A REAL HERD BULL PROSPECT
Roan, sired by Gloster Cumberland 399387 by Cumberland's Best by Cumberland's Last, dam by Dale's Challenger by Double Dale. Other good ones too. L. E. Wooderson, Route 6, Caldwell, Kansas

SCOTCH AND SCOTCH TOPPED BULLS
Calves to serviceable age including herd sire can't use longer for sale or exchange. Ross B. Summers, Redfield, Kansas

POLLED SHORTHORN CATTLE

POLLED SHORTHORNS
Both bulls and females for sale at prices according to times. C. M. HOWARD & SONS, HAMMOND, KAN.

GLENROSE LAD 506412
The best dairy Shorthorn bull in the west. We can't use him longer. For description and price address R. M. Anderson, Beloit, Kansas.

When writing advertisers mention this paper

Central Kansas Holstein Friesian Breeders Sale

Lindsborg, Kan., Thursday, May 18

70 Head of Holsteins consisting of 35 head of Registered cattle and 35 choice grade cows and heifers. Many of them fresh or heavy springers. Several heifers bred to freshen this fall.

In this sale Dr. J. T. Axtell is dispersing his entire herd of 50 Holstein cattle, and Dr. Axtell authorizes us to say: That his hospital business and practice takes his entire time and that he cannot give this good herd of cattle the attention they deserve and that every animal will be sold without reserve and that every animal is clean, free from all disease and sold with a positive guarantee to be right in every way and subject to a retest for tuberculosis in 60 to 90 days.

This herd has been under the Supervision of the State Live Stock Sanitary Commissioners Office.

Terms of 6 months time on approved notes at 8% interest.

The purebreds represent many of the best families of the breed.

Some of the principal attractions are:

A daughter of a 25 lb. 3-yr.-old.

A daughter of the cow who was second highest long distance record cow in Kansas.

And a daughter of a cow that gave over 100 lbs. of milk a day and 2600 lbs. in 30 days.

The grades came originally from Wisconsin herds where Registered Bulls have been used for twenty years making them nearly pure bred. This sale presents an unusual opportunity to buy healthy, producing Holsteins. Both pure bred and grade. Write today for catalogue to

W. H. Mott, Sales Manager, Herington, Kansas

HORSES AND JACK STOCK

35 Head of Registered Jacks

as good as grows, by Grand Champions at Southern State shows, 3 to 7 yrs. old, 15 to 16 hands high, 9 to 10 inch bone used in our stables last season, can show colts. Few Belgian and Percheron Stallions. This stock must be sold in next 60 days. We have what we advertise. Can ship over Santa Fe, Mo. Pac. and Frisco.

J. P. MALONE, LYONS, KANSAS
M. H. MALONE, CHASE, KANSAS

35 Mammoth Jacks

Big heavy bone, black jacks, 15 and 16 1/2 hands, weight up to 1200 pounds, 3 to 5 years old. Guaranteed. We have colts to show you. High class Percheron mares and fillies and young stallions.

At E. Smith, Lawrence, Kan.

6 Percheron, Ton Breeding Stallions

7 reg. Jacks (own raising). Colts and mules to show, very choice stock with size and weight, desirable ages, dark colors.

GEO. SCHWAB, CLAY CENTER, NEB.

GREAT SNOW AND BREEDING JACKS

Priced right. Nineman's Jack Farm, Dighton, Kan.

4 REGISTERED PERCHERON STALLIONS

for sale, 2 to 5 years old.

C. E. Whittlesey, Mound Valley, Kansas

HEREFORD CATTLE

Western Kansas Bulls

100 Hereford bulls, yearlings and two years old.

50 Shorthorn bulls, same ages. Part of them at Fort Collins, Colo., and the rest at the home ranch Hays, Kan. Write at once for descriptions and prices.

C. G. COCHRAN & SONS, HAYS, KAN.

6 Yearling Hereford Bulls

Registered, priced right for quick sale.

N. F. McCARTY, HUMBOLDT, KANSAS

CHESTER WHITE HOGS

CHESTER WHITE BOARS

Fall boars, wt. 175 to 225 lbs., by Chief Justice 2nd and Alfalfa Model, big type breeding, prize winning blood. Weanling pigs, special prices on trios, not akin. Everything immuned. Shipped on approval. Write for circular. Alpha Wiemers, Diller, Nebraska.

CHESTER WHITE BOARS

for sale, S. A. GENTRY, LA CROSSE, KAN.

O. I. C. Pigs, \$10.00 Each

Either sex. E. S. Robertson, Republic, Mo.

One Extra Choice October Boar

immune. HENRY MURR, Tonganoxie, Kan.

O. I. C. Spring Pigs, Sows and Boars

Ready to ship. Harry Haynes, Grantville, Kan.

FALL BOARS, WEIGHT 200 POUNDS

Sired by prize winners, \$35 and up. Shipped on approval. Henry Wiemers, Diller, Neb.

done as it has been too wet. Pastures and hay fields are encouraging.—George Marshall, May 6.

Linn—This has been a very poor week for farming. Very little work has been done in the fields. The Pig and Poultry Clubs are alive and at work. Chickens and eggs are the main help for farmers. No oats have been sown. Wheat pastures are coming on nicely. No sales are being held except community sales at Blue mound once a month. Most of the country schools are out and many teachers have been hired for the coming term. Taxes are high. Wheat is worth \$1.20; corn, 50c; butter, 25c; kafir, 40c and oats are 40c; chickens, 18c; eggs, 19c.—J. W. Clinesmith, May 6.

Lyon—Heavy rains every week have caused the wheat, alfalfa and pastures to grow very rapidly. If the weather continues warm and rainy alfalfa will be ready to harvest in two weeks or sooner, and there will be an early wheat harvest. The ground has been too wet for farmers to plow and list the corn ground. All kinds of livestock are in excellent condition. There is very little change in the markets.—E. R. Griffith, May 6.

Osborne—The two-day rain on April 26 and 27 thoroughly soaked the ground. It was the first moisture we have had since last August. The thin wheat is getting a little weedy. Barley and pasture need some warm weather. Corn planting will start as soon as ground dries up.—W. F. Arnold, May 3.

Rawlins—We are having a very large amount of rain. We have had 5.13 inches in the last 30 days and it is still raining. The wheat and small grain are making an excellent growth but the ground is too wet to work now. The ground must be wet 7 or 8 feet deep.—A. Madsen, May 8.

Rawlins—On April 26 and 27 we had a continuous rain for 45 hours which amounted to nearly 3 inches and which soaked the ground thoroughly. All the wheat which came up last fall is excellent. Some corn has been planted. There will be a large amount of road work done this spring.—J. S. Skolout, May 3.

Reno—We had 1 1/2 inches of rain during the last week and 1/4 inch so far this week which has delayed farm work. Few oats and but little barley have been sown. The wheat is turning yellow in places and is not growing very rapidly. Not many sales are being held. All kinds of livestock are in excellent condition and are being put on pasture. Butterfat is worth 23c.—Jas. Fraser, May 8.

Books—We have had nearly 4 inches of rain during the last two weeks. But very little of the wheat acreage sown last fall is showing up. Wheat is worth \$1.25; corn, 45c; barley, 50c; butterfat, 20c and eggs are 18c.—C. O. Thomas, May 3.

Rush—We have had a week of rainy weather. Nearly 6 inches of rain fell but the weather is still unsettled. The ground is thoroughly soaked from recent rains. Wheat is jointing and is growing rapidly, but the small wheat that came up this spring looks as if it is going to be taken by the weeds. Oats and barley have made a good growth. Potatoes are not coming up very well on account of the cold weather that continued until last week and farmers are mulching them. Wheat is worth \$1.34; butterfat, 30c and eggs are 20c.—A. E. Grunwald, May 3.

Sherman—We had three days of continuous rain last week which amounted to 2 inches. A large number of cattle and horses perishes in the April blizzard. Forage, generally has all been fed, and grass is late.—J. E. Moore, May 8.

Russell—We have had plenty of rain the last two weeks. Farmers are planting corn but it is nearly too wet. Many farmers are selling out. All kinds of livestock are

bringing fairly good prices. Cattle are going on grass in rather poor condition. Not much wheat is being marketed. The roads have washed badly. Landon bridge went out last week while the Smoky River was high. Eggs are worth 19c and butterfat is 28c; corn, 60c.—M. Bushell, May 3.

Stafford—Enough rain for all needs fell during last week. Wheat is excellent. Some corn has been planted. Oats are growing nicely. Fine prospects for a fruit crop this year.—S. Veatch, May 8.

Sumner—We are having excellent weather for wheat, oats, grass and gardens, and there is plenty of moisture. Corn planting is completed and other row crops soon will be planted. Some wheat land has been plowed up and put into corn and oats. Cattle are doing well. Wheat is worth \$1.25; corn, 50c; butterfat, 33c and oats are 40c; eggs, 30c.—E. L. Stocking, May 8.

Wabaussee—We are still having rainy weather. Wheat is excellent and the oats are coming up in good condition. No corn has been planted yet as the weather is pretty cool. Cattle are nearly all out on pasture but the pastures are late on account of the cold weather. Wheat is worth \$1.25; corn, 50c; kafir, 50c and oats are 40c.—G. W. Hartner, May 8.

Public Sales of Livestock

Shorthorn Cattle

May 19—Park E. Salter, Wichita, Kan.
May 25—H. W. Estes, Sitka, Kan.
May 31—John Crist & Son, Skidmore, Mo.
June 1—Bellows Bros., Maryville, Mo.
June 18—Mitchell Bros. and Dr. M. F. Marks, Valley Falls, Kan.

Holstein Cattle

June 8-9-10—National Holstein-Friesian Assoc. sale, Convention Hall, Kansas City, Mo.
W. H. Mott, Sale Mgr., Herington, Kan.

Duroc Jersey Hogs

May 20—W. F. Chipp & Son, Richmond, Kan.
May 31—L. A. Poe, Hunnewell, Kan.
Aug. 25—W. T. McBride, Parker, Kan.
Aug. 31—O. G. Criss, Agricola, Kan.
Oct. 21—Homer T. Rule, Ottawa, Kan.
Oct. 28—H. W. Flook & Son, Stanley, Kan.

Poland China Hogs

Sept. 5—F. E. Wittum, Caldwell, Kan.

Field Notes

BY J. W. JOHNSON

T. A. Ballantyne's Shorthorn Sale

T. A. Ballantyne's Abbottsford farm Shorthorn dispersion sale is next Tuesday at the farm near Herington, Kan., 45 splendid cattle sell, 36 females and eight bulls including Roan Model, the herd bull that has been so important in building this great herd. If you have neglected asking for the catalog you will find one waiting for you the morning of the sale at Mr. Ballantyne's farm. Don't miss this sale if you want Shorthorns.—Advertisement.

Atchison County Shorthorn Breeders Sale

The Atchison county Shorthorn breeders sale at K. G. Gistad's farm one mile north of Lancaster, Kan., is next Thursday, May 18. There are over 30 herds of Shorthorns in Atchison county and Lancaster is the Shorthorn center of north central Kansas. This is the first sale Atchison county breeders have undertaken and you can be sure they are seeing to it that their first sale is one of real quality. Remember it is next Thursday and you will be pleased with the offering and the treatment you receive at the hands of these good Shorthorn breeders

in Atchison county. If you have neglected to write for the catalog you will find one waiting for you at Mr. Gistad's farm.—Advertisement.

Central Kansas Holstein Breeders' Sale

The Central Kansas Holstein Breeders' sale at Lindsborg, Kansas, May 18, will be an opportunity to buy high class Holsteins. Seventy head will be sold and the offering will include thirty-five head of registered cattle. Dr. J. T. Axtell is dispersing his entire herd. The grade cows and heifers that will go in the sales are a choice lot and the purebred represent many of the best Holstein families. Look up the advertising in this issue and write for catalog.—Advertisement.

A Good Herd Bull

W. J. & O. B. Burtis, Manhattan, Kan., have a good Shorthorn herd bull proposition in their pure white two year old son of Beaver Creek Sultan. Since their purchase of Lawton Tommy they do not need the other white bull, hence their decision to sell him. He was bred by Tomson Bros., from whom they had bought Beaver Creek Sultan and is a really valuable bull that is being priced right. If interested address W. J. & O. B. Burtis, Manhattan, Kan. The farm is on the Golden Belt between Manhattan and Eureka Lake.—Advertisement.

The Central Kansas Holstein Sale

The Central Kansas Holstein sale at Lindsborg, Kan., next Thursday, May 18 is sure to be a good place to buy cattle. 70 head are cataloged and the big feature of the sale is the dispersal of Doctor Axtell's well known herd at Newton, Kan., 30 registered cattle are cataloged and in addition to this number of pure bred, 40 high grade cows and heifers will be sold. The advertisement appears in this issue and is full of information about the sale. Look it up and remember the sale is next Thursday, May 18 at Lindsborg, Kan., which is the third station below Salina on the Union Pacific and on the main line of the Missouri Pacific. If you have not already written for the catalog you will find one waiting for you at the sale pavilion the morning of the sale.—Advertisement.

R. J. Bazant's Spotted Polands

R. J. Bazant, Narka, Republic county, Kan., offers for sale 100 Spotted Poland China gilts of last fall farrow that were well grown and as fine a lot of Spotted Poland China gilts as you ever saw. He can sell them to you either bred or open. He also offers 265 pigs farrowed this spring that are as good as you ever saw. The three Bazant herd boars were bought of Henry Field, Shenandoah, Ia., and Obenchain of Michigan and another Michigan breeder of note. Mr. Bazant a few years ago built what is very likely the most modern and up to date hog barn in Kansas. He has his own ideas about the hog business and is proving that most of them at least are sound. To those who answer this at once he will register their purchases from him in the Spotted Poland China Breeders record association free. This is certainly headquarters for Spotted Poland Chinas that are bred right, grown right and recorded free to the buyer.—Advertisement.

Get This Holstein Catalog

You will want the catalog of the National Association sale of Holstein-Friesians to be held at Kansas City, Mo., June 8 and 9. This is the year's most important sale to farmers, breeders and dairymen of the Mississippi Valley and Western Plains. The offering is made up entirely of record cattle from the best herds of the contributing states, it is handled co-operatively in the interest of the Holstein business for the states taking part and is under management of the national association sales committee. Every care will be given to insure fair appraisal on the animals sold and complete security as to values secured by the buyer. A safer or better sale for buying by beginners can hardly be expected. It is especially worthy of attention that in this sale, made up entirely of tops, the buyer is certain of securing this kind at average prices. In an ordinary sale, containing only one or two tops, there usually is such competition for such animals that they sell at high levels. In this sale buyers will have, not just one or two chances to buy tops, but literally will have 100 chances, or more. Everyone interested, or likely to become interested, should send for the catalog. The sales committee and the publicity committee consider it a favor to be called upon for catalogs or any other information concerning the sale, or the meeting which precedes the sale. Write at once (mentioning this paper) to W. H. Mott, Sale Mgr., Herington, Kan.—Advertisement.

E. J. Bliss' Durocs

E. J. Bliss, Bloomington, Kan., Osborne county, who breeds registered Duroc Jerseys on a very large scale and who has been one of the heaviest buyers of top bred sows in leading Kansas sales during the last winter is renewing his advertisement in this issue of the Mail and Breeze. He offers almost anything you may want in the Duroc Jersey line of fashionable and up to date breeding. He offers boars of last fall farrow that are ready for service, boars that selected and developed from his 1921 spring crop and bred sows and gilts. Also 1922 spring pigs in pairs and trios not related. On a larger number of these he will make very special prices. He can sell you bred gilts and sows to farrow in July, August and September. Everything is vaccinated except the spring pigs and they will be treated with the single treatment before shipment or later on with the double treatment. A pedigree will accompany every pig and they will be shipped in light crates. Every animal sold is guaranteed a breeder. Because he is able to do so and because he has found it a very satisfactory way he offers to sell on a year's time if it is any accommodation to a customer. He has a wonderful crop of spring pigs and you better write him if you are going to start in the Duroc Jersey business or if you need a boar or a bred sow or gilt. He is an old timer in Osborne county and a fine man to deal with. Those who have bought of him during the last three or four years will tell you that.—Advertisement.

BY J. T. HUNTER

An Old Time Poland Breeder

W. E. Nichols, Valley Center, Kan., has raised purebred Polands for over 40 years. Old time purebred breeders will recall when Mr. Nichols showed at state fairs beginning in 1900. At that time his big type hogs did not altogether meet with the approval of hog judges but he persisted in raising and

showing that kind in competition with the hot bloods. Happily, today the big type prevails and such breeders as Mr. Nichols deserve much credit for the persistency in bringing that kind into prominence. Today on the Nichols farm will be found over 150 of the big type Polands. He starts an advertisement in this issue of Kansas Farmer and Mail and Breeze. Read that advertisement and be convinced that his is the real big type kind. He offers fall boars and gilts.—Advertisement.

Last Call for a Duroc Sale

W. F. Chipp & Son, Richmond, Kan., sell eight bred sows, eight spring gilts, all bred, and six sows with pigs at side at their farm near Richmond, Saturday, May 20. See May 6 issue of Kansas Farmer and Mail and Breeze for advertisement. Send for catalog, mentioning Kansas Farmer and Mail and Breeze.—Advertisement.

B. R. Anderson's Durocs.

B. R. Anderson, McPherson, Kan., offers Duroc boars and gilts. The boars are yearling half brothers of 1921 Topeka Grand champion boar and the gilts are also by Victory Sensation 3rd, without doubt one of the best breeding sons of Great Orion Sensation. Fifty bred gilts to farrow in Sept. Write mentioning Kansas Farmer and Mail & Breeze.—Advertisement.

W. R. Huston's Durocs.

W. R. Huston of Americus, Kansas, owner of one of the good Duroc herds is advertising some choice herd boar prospects. These boars are sired by Greatest Sensation, his grand sire, Great Sensation, was twice the World's Grand Champion. Greatest Sensation is one of the Good Duroc sires now in service. He has great size, splendid bone, and is an all round good individual. If in need of a herd boar, look up Mr. Huston's advertisement in this issue and write him description and prices of these good young boars.—Advertisement.

Estes Postponed Shorthorn Sale

H. W. Estes, Sitka, Clark county, Kansas, Shorthorn sale has been postponed from April 27 to May 25, just four weeks later. Bad weather prevented sale at original date. Fifty-five head sell comprising 20 cows with calves at foot, 18 heifers and 17 bulls. The advertisement in this issue gives general information concerning the offering. Write and send for catalog. A few things should be noted in regard to this offering: The postponed sale comes at a time when prices will be good and ready for the sale. The 20 or more calves at foot are a wonderful lot and show the real producing ability of the dams. A number of the dams are heavy milkers. The bulls are good sire prospects. Some good Shorthorns waiting for you at this postponed sale. Write Mr. Estes for a catalog. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

The Last Duroc Spring Sale

A Duroc sale, May 31, will be the last sale for 1922. This sale will be L. A. Hunter's sale at his farm 5 miles southwest of Hume, Kan., and 12 miles southwest of Caldwell, Kan. Postoffice address is Hume, Kan. To commence with Mr. Poe's sale from G. M. Shepherd, Lyons, Kan., and King's Model 8th bred to Pathfinder. With this sow as the foundation animal he has now a herd of more than 160 head descended from this sow and her three daughters by Pathfinder Jr. The herd is too large for Mr. Poe to care for properly and at the same time run a dairy herd and maintain general farm operations so he will sell 100 head sows, 28 gilts (bred), and a few bulls. See the advertisement in this issue of Kansas Farmer and Mail and Breeze for description of offering. Attend this sale and get foundation material from the same kind of foundation material that Mr. Poe used in building his herd. Write for a catalog. Please mention Kansas Farmer and Mail and Breeze. If unable to attend send mail to J. T. Hunter.—Advertisement.

Economy in Livestock Production

The ever increasing price of land has caused use of up-to-date farm machinery to raise crops more economically. For the same reason purebred beef cattle are increasing in number and super-grade animals of unknown ancestry. Producers are learning that the greatest profit in beef production will come and come in improved livestock and that this improvement comes more readily thru use of purebred sires and dams but use of high quality sires and dams from the best families any certain breed affords. Prospects for better business in purebred beef cattle are better right now than have been in the past 18 months. Now is the time to plan buying in the Park E. sale of fifty head at Wichita, Kan., May 19. Park Place Shorthorns are known all over Kansas and the Southwest. They are the kind that you would like to have in your herd. Read advertisements in this and two preceding issues of the Kansas Farmer and Mail and Breeze. Attend this sale.—Advertisement.

High Lights on the Salter Shorthorn Sale

Without question the auction sale of 50 Shorthorns at Wichita, Kan., Friday, May 19, from Park Place will be one of the greatest Shorthorn sales of the year anywhere in the Southwest. The display advertisements in this and preceding issues give general ideas as to the importance of this sale for buying the high class bull or cow you have planned to add to your herd. Ten good bulls will be sold, one is a Villager, out of a Gregg Villager and bred by British Emblem, that is likely the best bull ever sired by British Emblem; one by British Emblem, out of heifer by the Harding herd, and very much recommended; his sire, two are by Missie's Last, an outstanding bull by 2nd Fairacres; one is by Pleasant Sultan; one is by Aberdeen; one by Cumberland King; one by Maxwellton Wanderer; one by Wagon Searchlight. As to females there is a daughter of Rosewood Dale out of a Drop dam, bred to Park Place Corporal, that has a Lavender Emblem calf at foot; there is a Bapton Corporal heifer with a Lavender Emblem calf at side and rebred to Park Place Corporal; there is a Bruce Corporal cow by Double Dale with heifer calf by Bapton Corporal and safe in calf to Bapton Corporal; a daughter of Gregg's heifer in calf to Bapton Corporal; a Marr heifer by Bapton Corporal; a heifer by Missie's Last bred to Park Place Corporal; a Marr Emma by Bapton Corporal, bred to Park Place Corporal; a Hanna Place by British Emblem bred to Park Place

John Crist & Son's Shorthorn Sale

John Crist & Son of Skidmore, Mo., who had announced June 14 for their spring sale of Shorthorn cattle, have changed their date to May 31, 1922. On this date they will catalog and offer to the public 44 head of useful cattle consisting of 34 head mature cows and heifers. Several cows will have calves at side and rebred. All the heifers old enough will be bred; 10 head of young bulls, both red, white and roan, real herd bull prospects of pure Scotch breeding. No sale of Shorthorns should attract greater attention among farmers and breeders than the sale of John Crist & Son at Skidmore, Mo. The opportunity, therefore, is rare for selections by men who appreciate the combined value of proper conformation and good breeding, such as this offering represents. Here you will find cattle of proven breeding worth, good breeding cows coming from great sires; cows that have been regular producers and have a coupon at their side. Several yearling and two-year-old heifers that are of exceeding promise. Ten young herd bulls that are herd bull material, that will work improvement wherever they go. The 24 head of cows will either have calves at side or bred to the herd bulls, Model Cumberland and Red Supreme, two bulls of correct type and proven sires of very choice cattle. The ten young heifers that go in this sale are some of the choice individuals and are the kind most breeders keep in their herd. The catalog will give complete pedigree and is now ready to mail. Please send for your copy today and kindly mention this paper.—Advertisement.

BY O. WAYNE DEVINE

Opportunity!

Dairymen of the Southwest

The Kansas City National Holstein Sale

(Third Co-operative)

Kansas City, Missouri, June 8-9

Sale Starts Promptly at 10 A. M.

EVERY year for a good many years a great National Holstein Sale has been held in connection with the Annual Convention of the Holstein-Friesian Association of America. For the past two years this sale has been co-operative, the various states sharing pro rata in the proceeds of holding the sale. This year for the first time, the Annual Convention and National Sale comes to the Southwest.

The Best of the Breed

As in previous national sales, representative breeders from all over the United States are contributing their very best. The various state associations have charge of the selections, and only those animals conforming to a very high standard of individuality, production and breeding have been accepted. There will be cows with records up to 40 lbs. in 7 days and sons and daughters of some of the breed's greatest producers.

From All Over the Country

That this is truly a national sale is indicated by the list of states which are contributing. As this is written, entries have been received from Kansas, Missouri, Nebraska, Colorado, Michigan, Illinois, New York, New Jersey, Pennsylvania, Delaware, Ohio, Wisconsin, Canada, and entries have been promised from a number of other great Holstein states. Many of the offerings are from accredited herds or herds under federal supervision—and all are guaranteed under a 60-day retest privilege.

Dairymen, Improve Your Herds

This will be a real opportunity for the farmers, dairymen, and breeders of the Southwest to improve their herds by purchasing some of these great animals from the best herds in the United States. It always happens at a sale of this size and character that some of the good ones will sell for much less than their real value. Be on hand! Take advantage of these opportunities and boost the Holstein industry in this section of the country.

These Animals Are All Guaranteed Against Tuberculosis Under a 60-Day Retest

Educational Opportunities

It is a liberal education for anyone interested in Holsteins just to see these great animals and to meet the breeders who are doing things in the Holstein industry all over the country. Many educational features of great value have been planned by the committee in connection with this, the First National Holstein Convention to be held in the Southwest.

Special Rates to Kansas City

The railroads are offering special rates to Kansas City on account of the big convention. Ask your station agent about it or if you prefer, address the committee's office at 121 West 14th St., Kansas City, Mo.

PLAN NOW TO ATTEND

For sale catalog, write (mentioning this paper) to

National Sale Committee, W. H. Mott, Chairman, Herington, Kan.

Make the First National Holstein Convention in the Southwest a Big Success

JERSEY CATTLE

Echo Farm Jerseys

Federal accredited herd. A son of Mory from Sibby's Choice 835 fat A. A. heads our herd. Some choice bulls for sale, serviceable ages, out of R. M. cows.

E. H. TAYLOR & SON, KEATS, KANSAS

HILLCROFT FARMS JERSEYS

Imported and Register of Merit Jerseys. Choice bull calves for sale. Also registered Durocs.

M. L. GOLLADAY, PROP., HOLDEN, MO.

High Class Registered Jersey Cows

Exceptional values, young cows 2 to 8 yrs. Some have large register of merit records. Others on test now. Many state fair winners. Also some good young bulls 3 to 18 mos. old. Inspection invited.

R. A. GILLILAND, DENISON, KANSAS

Scantlin Jersey Farm, Savonburg, Ks.

Financial Kings, Raleigh and Noble of Oakland breeding.

BULLS OUT OF REGISTER OF MERIT

dams, for sale. Herd Federal accredited. Sylvia Jersey Ranch, Sylvia, Kansas

LIVESTOCK AUCTIONEERS AND SALE MANAGERS.

BOYD NEWCOM, Auctioneer

217 Beacon Bldg., Wichita, Kan.

Jas. T. McCulloch, Clay Center, Kan.

My reputation is built upon the service you receive. Write, phone or wire.

Vernon Noble, Auctioneer

Manhattan, Kan. Livestock and Real Estate.

DAN O. CAIN, Beattie, Kan. Livestock

Write for open dates. Address as above.

HOMER BOLES, RANDOLPH, KANSAS

Purebred stock sales, land sales and big farm sales. Write or phone as above.

HOLSTEIN CATTLE

Columbine Segis Ormsby Fobes

Born Aug. 7, 1921. Almost white; sire, the grand champion, Sir Pieterje Ormsby Fobes. Dam, Columbine Segis Pontiac, butter at 2 yr. 1 mo. 15.31 lbs., butter, 365 days, 519.16 lbs. Price \$125. Chas. C. Wilson, Mgr., Turkey Creek Farm, Colorado Spgs, Colo.

PUREBRED HOLSTEIN COW

and two-year-old heifer and two calves for sale cheap. Sire, King Pontiac of Brookside.

JOHN GARDNER, McLOUTH, KANSAS

BONACCORD HOLSTEINS

T. B. tested? Yes, and we have just passed another clean T. B. test. But there are a few more of us than there is room for. Federal accredited herd. For good serviceable bulls, cows or heifers, with size, health, conformation and production, write to our boss,

Louis Koenig, Solomon, Kansas

EXCELLENT REG. HOLSTEIN BULL

Nearly year old. Sire's five nearest dams average 1096 butter. Dam's sire's four near dams average 1038 butter. Price \$100. Also bred heifers.

O. S. Andrews, Greeley, Kansas

REG. HOLSTEIN BULLS ready for use.

King Segis Pontiac breeding nicely marked. Priced low. J. A. Reed & Sons, Lyons, Kan.

HOLSTEIN & GUERNSEY CALVES, 7 weeks

old, 31-32nds pure, \$25 ea. shipped C.O.D. Reg. Holstein bull calves \$45. Edgewood Farms, Whitewater, Wis.

GUERNSEY CATTLE

Registered Guernsey Cow 3 Years Old

For Sale: Registered Heifer calf 4 mos. old. Registered Bull yearling. Also high grade cows, heifers, and bull calves. Write

Dr. E. G. L. Harbour, B. 113, Lawrence, Kan.

RANSOM FARM GUERNSEYS

Bulls—Calves to serviceable age by 1919 world's grand champion out of record breaking dams.

Ransom Farm, Homewood, Kansas

WHY USE A SCRUB when you can buy a purebred registered bull at farmer's prices? Young bull calves as low as \$50. C. F. Holmes, Overland Guernsey Farm, Overland Park, Kan.

Can you tie this knot?

Number 3



The *timber hitch* is used in moving timbers and large pipe. It holds faster than the half hitch and is made in the same way except that the short end of the rope is given one or two twists about the longer portion.

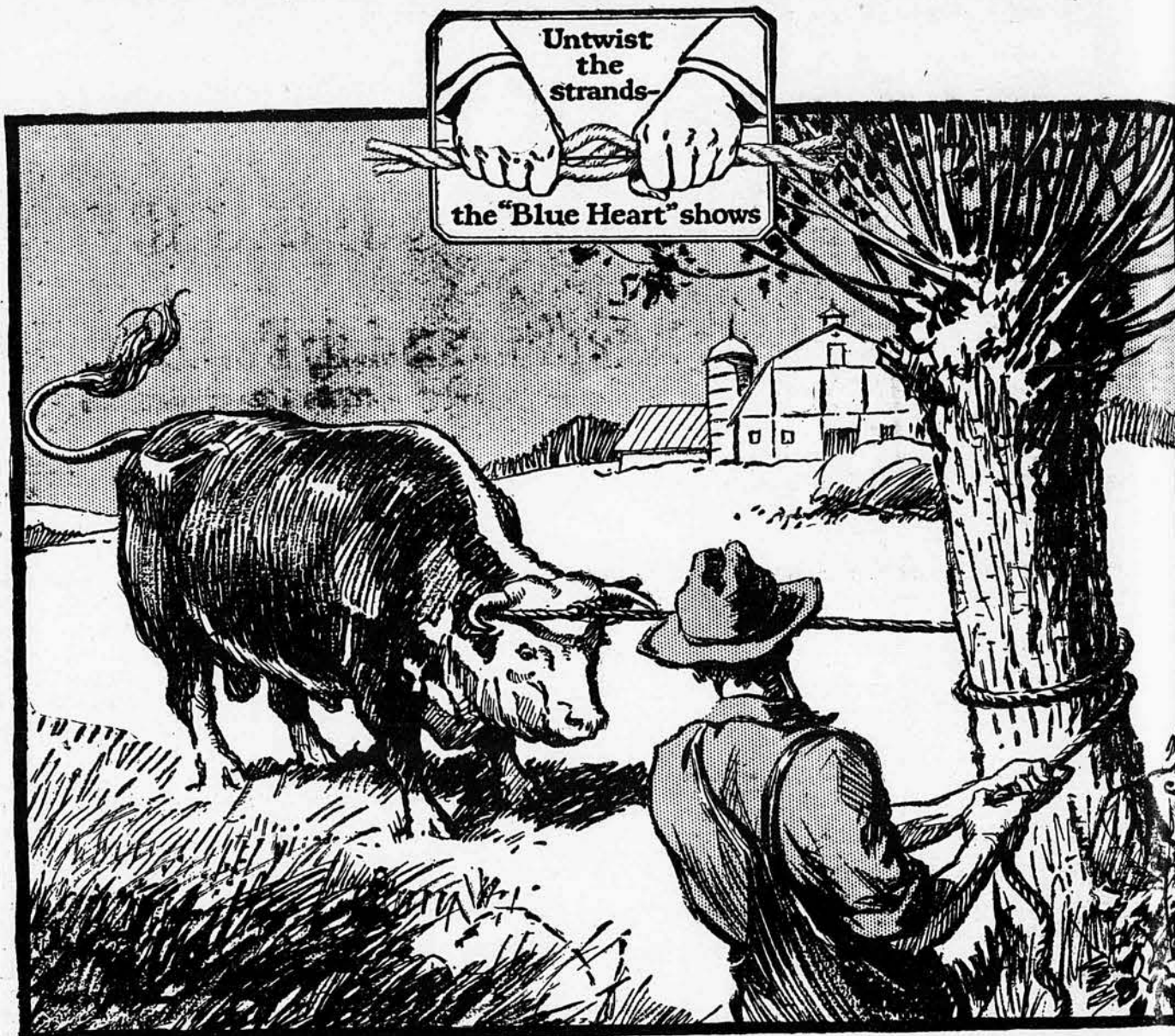
GUARANTEE!

H. & A. "Blue Heart" Manila Rope is guaranteed to equal the yardage and *exceed* the breaking strength and fibre requirements of the U. S. Government Bureau of Standards. Any H. & A. "Blue Heart" Manila Rope found to be not as represented will be replaced.

For purposes where the great strength and long-wearing qualities of H. & A. "Blue Heart" Manila Rope are not required, use H. & A. Rope made from one of these lower-cost fibres:

- H. & A. "Red Heart" Sisal Rope
- H. & A. "Green Heart" Istle Rope
- H. & A. "Purple Heart" Mauritius Rope
- H. & A. "Pink Heart" New Zealand Rope

In your lighter work, where you do not need the rugged strength of H. & A. "Blue Heart" Manila Rope, you will find H. & A. "Red Heart" Sisal Rope of supreme value. Spun from selected sisal fibre, H. & A. "Red Heart" Sisal Rope is guaranteed to give you that satisfaction you should demand from the highest grade of sisal cordage.



A safe rope under greatest strain

H. & A. "Blue Heart" Manila Rope gives you guaranteed excess strength

If you want a rope that meets tremendous sudden strains with strength to spare, consider this:

The breaking strength of a 3-strand manila rope one inch in diameter is given as 6,480 pounds in agricultural bulletins published by Ohio State University and the University of Idaho, as 6,900 pounds in a table found in a University of Minnesota bulletin.

The breaking strength of an H. & A. "Blue Heart" Manila Rope of the same diameter is 9,200 pounds. Note the *excess* strength!

The selected manila fibre from which H. & A. "Blue Heart" Manila Rope is made is the toughest rope fibre grown. And H. & A. "Blue Heart" Manila Rope is guaranteed to exceed the strength standard of the U. S. Government for even this super rope fibre. (See guarantee in column at left)

Yet it costs no more than many inferior ropes.

Some inferior substitutes look like manila. But none delivers strength and wears like it.

To make sure that you are getting rope spun from pure, selected manila fibre, the strongest rope made, do this:

Grasp the rope and untwist the strands. If you find a "Blue Heart" running through the center, you know you have a genuine H. & A. "Blue Heart" Manila Rope—backed by a guarantee for excess strength, one that will wear twice as long as a low-grade rope, a flexible, smooth-surfaced rope that remains easy to handle and weather-resisting through long and rugged service.

Buy rope scientifically—*know* what you are getting. Look for the "Blue Heart" that is a guarantee of pure

manila fibre of highest grade, excess strength and long wear. It is the sure, *safe* way to buy rope. Get it from your dealer—if he hasn't it in stock, write and tell us your dealer's name and we will see that you are supplied.

Special Offer:

The coupon below with 40c will entitle you to a special combination neck halter and tie rope made from genuine H. & A. "Blue Heart" Manila Rope. This tie rope is 1/2-inch diameter and is 10 feet long. It is fitted with a snap at one end and adjustable eye so that it can be placed around the animal's neck or used simply as a hitching rope. This tie rope is three times as strong as a leather halter and will outwear several made from ordinary rope. It is worth a great deal more than the low price charged for it and is offered below cost to introduce you to the great strength and wonderful wearing qualities of H. & A. "Blue Heart" Manila Rope.

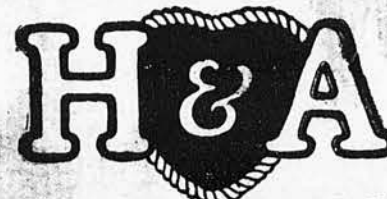
If your dealer does not carry H. & A. "Blue Heart" Manila Rope and cannot supply you with this special halter, fill out the coupon below and mail it to us with 40c in 2c stamps and your dealer's name, and one of these special tie ropes will be sent to you immediately.

The Hooven & Allison Company
"Spinners of Fine Cordage since 1869"
Xenia, Ohio



Gentlemen: Enclosed is 40c in 2c stamps for which please send me one H. & A. "Blue Heart" Manila Rope special offer halter.

My name.....
Address.....
My dealer's name.....
Address.....



H&A "Blue Heart" Manila Rope