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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.

Still Some Profit in Crops

This year our farmers will grow wheat, corn, oats, sorghums, a little barley and some alfalfa. This immediate locality has more wheat than last year but I think the county will average probably 98 per cent of last year's acreage. Oats will be about an average crop, corn will be about 95 per cent, and sorghums will be about the normal acreage. Farmers have no trouble getting help at 33 1/2 per cent less than a year ago. They will try to get along with their old machinery as they expect to buy new machinery next year at lower prices.

Most of us feel that it takes too much to market our crops. Stockmen are not blaming anyone in particular. They feed out their stock and take what they can get and then tell how much they lost. Most of us are taking our medicine. We are getting used to it.

Everyone expected a reaction but it caught many of us unprepared. Some think that the Government ought to set a price on wheat, and eliminate the Chicago Board of Trade. We do not expect prices to go much lower. If we can get our work done at lower wages and buy supplies for less we still can produce wheat at a profit. Ninety-five per cent of the farmers lost money the past year.

Dillon, Kan. Frank M. Lorson.

Sweet Clover for Hogs

A Howard, Kan., reader asks whether Sweet clover is good for hog pasture. He has plenty of Sweet clover seed on hand which he will sow if assured that hogs will eat the growing plant. We have never grown any Sweet clover on the Jayhaker Farm but often have seen it used for pasture for all kinds of animals. We do not think Sweet clover equals alfalfa for hog pasture but hogs eat it and do well on it if it does not get too large and woody before they are turned on it. If it is pastured heavily enough so it is kept eaten down, hogs as well as other animals, relish it. If kept pastured down Sweet clover will not seed and so will not last more than two years but it has a very good effect on our heavy soil and if one would sow it for pasture and move the pasture every two years it would help wonderfully in keeping up the farm. On this farm for quick and temporary hog pasture we sow oats and rape, sowing them in separate strips. By the time the oats have given out, the rape is ready for use. This inquirer says he sowed Sudan grass and cane for hog pasture last year and

that the hogs did well on the Sudan grass but positively refused to eat the cane. We have heard many farmers recommend Sudan grass as temporary hog pasture.

Gridley, Kan. Harley Hatch.

A New Year's Resolve

I have been in several farming communities lately and find an appalling lack of enthusiasm among farmers and their wives. Women say to me, "I had hoped to get a few new things for the house this fall, but, instead we shall be obliged to go without things we actually need."

Now, I am in the same boat myself. The Sleepy Hollow rocker and the new linoleum for the kitchen, have all gone glimmering with many other things which I had hoped to have.

Well, you know the old saying, "Where there's nothing to be done, do something." So here goes. I am going to earn \$100 extra in 1922, extra, mind you, besides handling the garden, the chickens and the things every farm woman does every year of her life.

Some little resolve, you will agree, and I don't know yet how I am going to do it, but one thing I am sure of. It's going to keep me so busy. I shan't have time to worry about a whole lot of things that have been bothering some persons.

Mrs. F. W.

Phillips County.

Muskrat Fur is Popular

When all Europe went to war there was a sudden stopping of many importations to this country; the large quantity of furs that had annually come to this country was very much reduced. To be sure America had long led as a big fur-producing territory, but the possibilities, especially the style possibilities, lying in the American furs had been largely overlooked. Among these was that pretty little deep-furred animal, the muskrat.

For a long time muskrats were caught and their pelts sold at the big fur markets, but none realized how beautiful they were. For the most part they were dehaired, and dyed and sold as Hudson Seal. It took a very independent fashion designer to see the practicability and good looks of the natural furs, and to make them up into garments. Today, everyone is familiar with these smart looking coats, the brown and ash-colored skins arranged in stripes or blocks; muskrat has become one of the staple furs of the country.

Muskrat is a good-wearing fur and it is moderate in price, qualities that recommend it particularly for country wear. This winter we shall see a good many of the jackets turned out in school girl sizes, and as well the full length garments. More and more we are beginning to recognize that a fur garment adds very materially to the comfort of our long winters.

Why Isn't a Better Use Being Made of War Finance Money?

UP TO the first of the year but \$17,375,081.36 of money from the War Finance Corporation had gone into the Kansas City district. This was distributed as follows: Kansas, \$1,873,164.73; Colorado, \$3,150,437.73; Missouri, \$3,080,292.96; Nebraska, \$3,868,450.15; New Mexico, \$593,500; Oklahoma, \$1,015,536.60; Wyoming, \$3,174,699.78; and miscellaneous, \$17,000. In Iowa, which is not in the Kansas City district, more than 12 million dollars had been obtained. It is quite evident from these figures that in comparison with Missouri, Colorado, Nebraska and Iowa, Kansas people are not making much of a use of this Government agency.

Is this a result of indifference on the part of farmers or bankers, or both? Has Kansas all the money required to finance its agriculture at this time in an adequate way? We doubt it. What, then, is holding up this flow of credit? We should like to receive some letters from our readers on this subject. In this connection it must be remembered that Kansas would certainly be entitled to more than 30 million dollars of the billion which is available, if the importance of the agriculture of this state in comparison with that of the Nation is considered. It also must be remembered that this money will become unavailable July 1; you can get it now on good security for three years at 8 per cent.

If you have any need of this additional credit why not talk the matter over with your local banker? Let's get our share of this money, so far as we need it. Certainly every banker will be, or should be, interested in obtaining all of the capital which the farming interests in his community require.

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KANSAS FARMER and MAIL & BREEZE

January 14, 1922

By *Arthur Capper*

Vol. 60 No. 2

Just as Good as a U. S. Mint

Purebred Holsteins and White Leghorns Coin a Regular Monthly Income for G. A. Gingrich That Eventually Will Make Him Independent

By Ray Yarnell

SIXTEEN purebred Holstein cows and 350 White Leghorn hens and pullets are keeping the money mill grinding away in pleasing fashion on the George A. Gingrich farm near Clay Center.

Cows and hens are the only cash producers on this farm. All the feed grown is consumed by livestock and is converted into products for which there is a steady and usually a very good market.

Gingrich, just two years out of college, has a "year 'round" job on his farm with a steady monthly income that considerably exceeds that of the average college graduate located in a city or town. Every year his income is likely to get larger because he is just getting started and the possibilities in his dairy herd and poultry flock are very promising.

Two years ago Gingrich bought a 160 acre farm. The owner had a small herd of purebred Holsteins which he was not particularly anxious to sell. So he offered to leave them on the place under a five-year contract and Gingrich took him up.

Divide Offspring Equally

The contract provides that the partners shall share equally in the increase from the cows and that Gingrich shall have the use of the herd sire. In turn he supplies the feed, handles the animals and gets all the dairy products. Both share the veterinary expenses.

Seven cows were left on the farm by the former owner and Gingrich has added nine others and a young bull. Several cows have been producing 40 pounds of milk a day under adverse conditions, being housed in a straw roofed shed with partly open side walls.

Immediate improvement in production is expected as a dairy barn, of which an old horse barn, remodeled, forms half, has just been completed. In this the dairy cows will be kept more comfortable and can be fed more systematically, both of which are important factors in high and steady milk production.

The dairy barn will hold 19 cows and four horses. It has a cement floor and wooden stanchions, manure drains and feed bunkers. The building is well lighted and airy.

Two large bins, built into the west end, hold grain and a passage way has been left thru which to shovel silage. At present the silo is some distance away but next year Gingrich plans to move it close to the barn.

The silo is of wood with a 6-foot basement below the surface of the ground and holds 90 tons. It is not

large enough and it is probable that another silo will be constructed next year. Gingrich believes silage is one of the very best feeds for dairy cattle.

Kafir was used for silage last year and cane in 1920. The feeding value seems to be about equal, Gingrich says, but he prefers cane because he can get a greater tonnage from an acre.

Recently Gingrich bought a young bull, a full brother to Carlotta Empress Fobes of the Kansas State Agricultural college herd.

In addition to silage and grain the cows are fed cane or kafir roughage and have the run of a large straw stack in the feed lot. They also get alfalfa and some cane hay.

Gingrich grows alfalfa on 30 acres getting an annual yield of around 2 tons to the acre. He had 12 acres of cane hay this year. Corn is produced on 15 acres, kafir on 15 and wheat on 32 acres. Next year 10 or 12 acres will be planted to Sudan grass for late pasture. This farm has 50 acres of pasture land with a good stand of wild grass. Last summer 20 head of stock were kept in it constantly and the pasture still is in good condition.

Gingrich sells sweet cream to a candy kitchen in Clay Center and has been getting slightly more than the market. His income from dairy cows has been good and the profits very satisfactory.

Considering the investment poultry has been more outstandingly profitable than dairy cows on this farm. From a flock of 300 hens last winter and spring Gingrich got an average monthly income of \$150 and he expects to do as well this season. Eventually his flock will contain 500 birds as he has housing capacity for that number.

The poultry house is 16 feet wide and 75 feet long and is divided into five sections, some 14 and some 16 feet wide. The south or front wall is 8 feet high and the rear wall 5 feet. Three ventilating cupolas are set in the roof. These have burlap covered openings in two sides and admit much air and considerable light.

Slat partitions divide the sections. The slats are made of 1 by 4 stuff placed vertically. This arrangement affords maximum ventilation, in fact Gingrich thinks the air circulates too freely. He plans soon to seal the partitions as far out as the roosts extend by covering the slats with heavy wall paper or prepared roofing to protect the birds from drafts.

The house has a cement floor, hinged perches, built-in mash hoppers and 10 nests to a section. Slate asbestos roofing covers the entire outside of the house and makes it warm. Several feet below the apex of the V-shaped roof a slat ceiling has been built to keep the birds from flying up to the rafters or into the ventilating cupolas.

Every section of the poultry house is lighted by a group of five windows. The large windows, two on each side of the group, are 4.5 feet high and 2 feet wide, set well up from the floor. These are fitted with glass. Between them and even with the tops, is an opening 3.6 by 3 feet covered with wire netting. In bad weather this is covered with a burlap curtain.

There are no windows in the north wall under the dropping board. Mr. Gingrich says enough light is admitted from the south so the chickens do not scratch much litter under the roosts. Runways thru which the birds

leave or enter the house are built in the front wall.

Early in November Gingrich began feeding heavy for egg production. He keeps big hoppers full of dry mash before the chickens constantly. The mash consists of equal parts of bran, shorts and corn chop. He feeds 2 pecks of kafir and wheat a day in two feedings. The 350 birds also get 10 to 12 gallons of skim milk every day and this take the place of tankage. Later on sprouted oats also will be fed.

The feed hoppers, which are built-in, hold 100 pounds of mash. There is a large grit tray in every section and this is kept well filled. Gingrich gives his chickens the run of the yard when the ground is dry but keeps them closely housed during bad weather.

"Both my cows and chickens have been very profitable," he said. "They bring in a steady income and give me year around employment. My work is distributed over 12 months. The fact that my income comes in month by month enables me to carry out a consistent program of improving my farm."

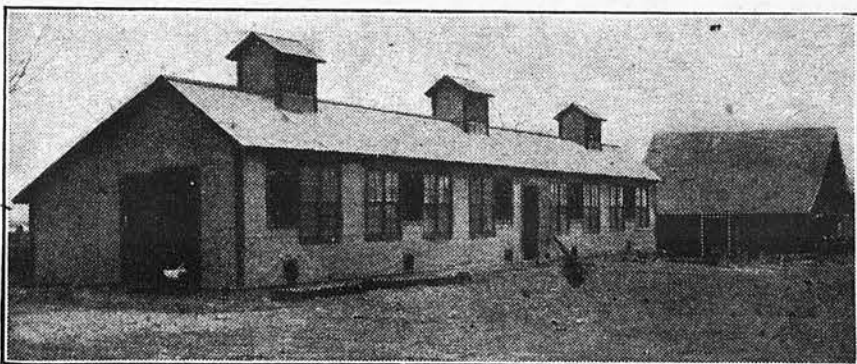
Poultry Is Especially Profitable

"Poultry has been especially profitable and the prospects now are excellent. I expect to make a lot of money out of my flocks this winter."

"From the short experience I have had here I am convinced that the combination of dairy cows and hens is a winner. I am going to stick tight to both of them."

Altho Mr. Gingrich always had lived on a farm he never had any experience with dairy cattle until he enrolled in the Kansas State Agricultural college at Manhattan. At home milk cows had been kept but they were not of the dairy breeds and naturally their production was not especially heavy.

On the college farm young Gingrich saw purebreds of various breeds and observed the greater opportunity for profit in handling them. There he learned many lessons regarding care and feeding of purebreds that the average farmer usually learns from experience. It was unnecessary, therefore, for him to go thru the process of building up a herd by improving grades and gradually working into purebreds, learning the dairy game as he developed in the business. Of course that has been a big advantage to him but he possessed it simply because he had put in several years at the college studying all phases of farming and livestock raising. Mr. Gingrich also obtained some valuable information about marketing.



George A. Gingrich's Hens Bring in \$150 Every Month, So He Has Built a Warm, Well Designed House in Which to Keep Them

Better Times Here—Wallace

THERE are many signs pointing to the improvement of agricultural conditions during 1922 in the opinion of Henry Wallace, Secretary of the United States Department of Agriculture, indicating that this year should be a better one for the farmer and for those who deal with him than was 1921.

In a recent statement the Secretary outlined these signs and interpreted them. A summary of his statement follows:

"Credit conditions are better both thru regular channels and thru the special agencies created to meet the farmer's needs. Interest rates also are softening. Reductions already made in freight rates on farm pro-

ducts lighten by that much the transportation burden which the farmer has been carrying.

"Cost of producing farm crops will be lower relatively in 1922 than in 1921. Very likely there will be a reduction in the acreage of some of the grains of which we now have such a large surplus, and this should tend toward better prices.

"The paralyzing effect of the sudden drop in prices last year is wearing off, and farmers will enter the new year more hopefully, believing that the worst is over. Congress has indicated a willingness to enact such legislation as promises to be helpful.

"Farmers are coming to see more clearly that the task of putting farm-

ing on a sound business basis is really up to them and that thru organization they can reduce marketing costs. In this they will have increasing help from the Department of Agriculture and the various state agricultural colleges which now see more than ever that they must give the farmer the same sort of help in the marketing of his crops that they have been giving him in the production.

"In the industrial and financial centers there is coming to be a better understanding of the important part the farmer plays in our general economic scheme, and consequently a decidedly more intelligent and sympathetic attitude toward him and his problems.

"With prices of farm products fall-

ing and the future very uncertain, even those farmers who had money laid by—and there are a large number of such—have been restricting their buying to what they had to have. Now with the growing belief that prices have hit bottom, buying will be resumed and should increase in volume, and manufacturers and retailers who make or sell things that farmers need or desire should have better business this coming year.

"We can enter the new year in a spirit of hopefulness and good cheer. I see nothing which indicates boom times for the farmer, but there does seem to be promise of better times both for the farmer and for those whose business is largely dependent upon him."

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Passing Comment—By T. A. McNeal

THERE is complaint about the rapid increase in state expenditures, but, I have not seen many specific suggestions as to how the cost of state government may be reduced. There is only one way to reduce state expenses and that is by cutting out some of the things we are spending money for now. I have been waiting for some of the persons who are complaining about state expenses and who are going to ask for the suffrage of the voters next year, to outline just how they propose to reduce, but all the suggestions I hear are generalities.

The appropriations for the past biennial period have amounted to more than 20 million dollars and of this total approximately 8 million dollars went to the higher educational institutions. I am of the opinion that those who get the direct benefit of these higher educational institutions should pay a large share of the cost. The taxpayers of the state should only be asked to pay for those things which are of direct benefit to the state as a whole. I am of the opinion that a very material saving could be made to the state and at the same time that these institutions could be made more accessible to the young men and women who have to pay for their own education.

If the constitution were amended so as to have one legislative house instead of two, a saving of at least \$60,000 for the biennial period could be made. If the work of the district judges were evenly distributed 15 or 16 judges could be dispensed with and a saving of \$100,000 a year could be made.

The Industrial court created by the last legislature, costs a great deal of money. It is at least a debatable question whether it is worth what it costs. There is at least one board that might in my opinion be eliminated without detriment to the public service and dispensing with it would mean a saving of from \$15,000 to \$20,000 a year.

An equitable income tax would place a part of the burdens of state government on the shoulders of those best able to bear them and lessen the burden of direct taxes. If our state appropriations were reduced, as I think they might be without detriment, then by an income tax and a well thought out tax on luxuries I am of the opinion that enough money could be raised, including the present fees collected by the state on corporations, interest on the public funds and the like, to pay all of the expenses of the state government and institutions without making any direct tax levy for state purposes.

Federal Reserve Banking Law

ONE of our readers, R. H. Lockwood of Chicago says: "I believe the Federal Reserve Banking Law should be repealed because it wrongfully gives to the Federal Reserve Banking System either directly or indirectly, the power to expand or contract at will the volume of money in circulation."

That the Federal Reserve Banking System has just this power cannot be denied and it seems to be very generally acknowledged that the exercise of this arbitrary power has been largely responsible for the present distress in business. I have very often urged this same objection to the system. It is the greatest financial monopoly the world ever has seen. It lodges a most dangerous power in the hands of a very few men, who are influenced by their immediate environment and have little or no knowledge concerning the conditions or needs of a large amount of the territory of the United States.

At the very time those in control of the system have been telling the world that what the country needs is retrenchment in expenses they have increased the salaries of the already highly paid officials of the system an aggregate of more than 7 million dollars a year.

At a time when the harrassed producers of the country are walking the floor, not knowing how it will be possible to carry on even with the most rigid economy, the Federal Reserve Bank of New York builds the most magnificent banking palace in the world at a cost of 25 million dollars or 10 million dollars more than the cost of the great Capitol building at Washington.

At a time when the farmers are told that they have been spending too much money this one institution pays its president who spends a great deal of his time in Europe, a salary of \$50,000 a year, more than four times the salary of a Govern-

ment Cabinet officer. He has a large retinue of assistant vice presidents and managers who draw salaries ranging from \$5,000 to \$30,000 a year.

But with all the ground for criticism of the management, and the Lord knows there is plenty of ground for criticism, there are some excellent features in the Federal Reserve Banking act. It does prevent bank panics. It might be used if rightly managed for the great benefit of the people. It would be possible thru this agency to reduce interest rates one-half and it would also be possible to stabilize prices and prevent ruinous fluctuations, speculation and gambling.

The Fluctuating Dollar

IT LOOKS as if our financial troubles are due more to our unstable dollar than to poor distribution," writes a subscriber. I think the reader who makes that observation is getting at the very heart of the difficulty. Regardless of what material it may be made of, there is but one legitimate function to be performed by money and that is to facilitate the exchange of those things people either need or think they need.

All traffic is based primarily on the idea of exchange by barter, but under our system of finance that which should be merely a medium of exchange becomes the most desirable form of property, altho money can have value only so far as it can be exchanged for those things which have intrinsic value. I use the term intrinsic value as applying to those things which are necessities, such as food, clothing, fuel and houses in which to live, and also those things which may be denominated luxuries, which contribute to the pleasure and comfort of mankind. That which merely represents real value should be practically unvarying in its exchange value.

When the farmer deposits a thousand bushels of wheat in a warehouse he receives a warehouse receipt. In a good many states that receipt becomes a negotiable instrument. That is true at least to a considerable extent in Kansas.

The farmer may transfer his receipt to another person who may, within the time for which the wheat is stored, go to the elevator and receive on the surrender of the receipt, on paying cost of storage, the same number of bushels originally stored, altho since the wheat was stored the market may either have risen or fallen.

The wheat at the time of storage may have been worth in the market, \$2,000 and at the time the receipt is presented may be worth only \$1,000 but the person presenting it gets the same number of bushels as were deposited and no more. If it were possible to construct a currency system on the warehouse receipt idea, and in my opinion it is, then there would be practically no fluctuation of prices, for the medium of exchange would at all times represent the same amount of intrinsic value.

Truthful James

SPEAKING of hard luck," said Truthful James, "there was the case of Tobias Timpkins who came out to Western Kansas and took a claim in 1885. Claims then were getting scarce in that part of the state and particularly in the neighborhood where Tobias lit, so that about the only lands left were mostly sandy and thin of soil. Tobias hunted around and finally found a homesteader who had a bully good claim but he was homesick and desired to get out of the country. So he relinquished his right to Tobias for \$500 and hit the trail back East.

Tobias was tickled nearly to death over what he thought was his good fortune in getting this rich claim and he began to break it out and put it in cultivation. Several months after Tobias landed, a long lank Missourian also landed in that neighborhood and settled down on a sandy claim that everybody else had rejected as practically worthless. Tobias was heard to say that any man who would take that claim and undertake to live on it ought to be put in some institution for the feeble minded.

"Well, the next spring was the windiest and driest ever seen in that country since the earliest settler came there. The wind blew 24 hours a day right along for two months without any rain. Now the sandy, worthless claim taken by the Missourian was backed on the north side by a sort of ridge that stopped the flight of most of the dirt

that came that way and as the wind blew all the time from either the south or southwest the flying dirt nearly all stopped on the Missourian's land.

"At the end of a month the wind had carried all the soil off Tobias's plowed land which joined the Missourian's claim on the south, over to the Missourian's land. For a week or two weeks the land belonging to Tobias that wasn't plowed held, but by and by the wind began to work on that and at the end of the two months there wasn't enough soil left on the land of Tobias Timpkins to sprout beans even in a wet year, but the sandy claim of the Missourian was covered with 6 inches of the richest dirt in that county. At the same time that the wind had carried the dirt it had deposited something like a thousand tons of "buffalo chips" which it carried from Southwest Kansas, Oklahoma and the Panhandle of Texas. This added fertility to the soil but that wasn't all. Tobias had sowed 60 acres of kafir and 20 acres of sorghum.

"The seed hadn't germinated when the wind began to blow and all of it was scattered over the claim of the Missourian. After the wind had whooped it up right straight along for two months it suddenly quit and then a fine gentle rain began to fall and kept it up for three days and nights. Every grain of that kafir and sorghum cane grew and that fall the Missourian harvested 40 bushels of kafir to the acre and 15 tons to the acre of sorghum cane. There was a shortage of feed and he sold the kafir for a dollar a bushel and the sorghum for \$5 a ton. Tobias abandoned his claim and borrowed a hundred dollars from the Missourian to pay his way back to Illinois."

Henry Ford is Right

THE New York Times scoffs at the suggestion made by Henry Ford and approved by Thomas Edison, that instead of issuing interest bearing bonds and selling them to get the money necessary to complete the Muscle Shoals project, the Government issue legal tender United States treasury notes to be redeemed out of the proceeds of the industrial plant to be established there.

The Times financial editor asks if these notes based on the appraised value of the Muscle Shoals property are good, why not issue notes to the extent of several billions, a hundred billions or such a matter, based on the probable value of Alaska. If this is the best the financial editor of the Times can do, it would be well for him to give his head a good soaking.

In the first place there is no parallel between the two cases. No one has even a remote idea of the value of Alaska. It may be worth a hundred billions or it may not be worth a tenth part of that sum. In the second place Alaska is not a property on which the Government can realize in a cash way, while the Muscle Shoals property is. In the third place there would of course be no sense in issuing a hundred billions of currency. If any such volume of currency were issued at one time it would necessarily impair the credit of the Nation and no such volume is needed for the one purpose for which money is needed and that is facilitating the exchange of those things people need or think they need.

Now if the Muscle Shoals property is good security for interest bearing bonds, I would like to have some wise financier explain why it is not an even better security for non-interest bearing notes.

Turned Wool Into Blankets

ONE of our readers, T. C. Roe, of Soldier, Kan., who wisely keeps a few sheep on his farm, shipped 70 pounds of wool to the Chatham Manufacturing Company of Elkin, N. Car., to be manufactured into blankets and an automobile robe. He has received three pair of blue plaid and two pair pink plaid blankets and one single 4 pound robe.

He exchanged 10 pounds of wool for every blanket and 8 pounds for the robe and was given credit for 4 pounds of wool remaining over. Including freight and cost of manufacture the blankets cost Mr. Roe \$7.70 apiece, estimating the wool at the price he could have sold it for. He says that they are excellent and can easily be sold for \$12 apiece. At the time he shipped his wool it was selling for 17 cents a pound. In other words he received for the wool he shipped to Elkin, N. Car., the equivalent of 26½ cents a pound instead

of 17 cents. He intends to ship another hundred pounds to the same place and have it manufactured into blankets and robes.

But suppose instead of having to ship this wool nearly 2,000 miles to a mill in North Carolina Mr. Roe had been able to get it manufactured into blankets or robes near home he would have saved at least \$6 transportation charges. In other words, instead of the blankets and robe costing him \$31.41 they would have cost him \$25.41 and every blanket would have cost \$6.70 instead of \$7.70 and his wool would have brought 30½ cents a pound instead of 26½ cents.

The Governorship

I AM receiving some letters from readers asking whether I am or am not going to be a candidate for the nomination for governor at the next general primary.

My present intention is to be a candidate. I said in a previous issue that in case I determined to be a candidate I would have neither the time nor the money necessary to make a traveling campaign thru the state. If that is necessary to get the nomination then I will not get it.

I have been a resident of Kansas for 40 years. I have at different times visited and have spoken in every county in the state with two exceptions. There are something like 93,000 subscribers to the Kansas Farmer and Mail and Breeze living in Kansas. They and their families make up about one-fourth of the population of the state. They have been reading what I have written for a great many years and they ought to know whether they agree with me sufficiently to be willing to trust me in the office of governor. If they do not then nothing I might say to them personally would be likely to change their opinion.

If nominated and elected I will do my best to make the state a good governor. If I fail to receive the nomination I will spend no time grieving over the result.

The 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.

1. When and where was Booker T. Washington born?
2. Is he still living? How many terms did he serve in Congress, and when?
3. Was he a full blood negro?
4. Was he the only negro ever elected for Congress?
5. What state sent him?
6. Did he have a college education?
7. Who was his opponent, and by what majority was he elected?

S. J. D.

Booker T. Washington was born near Hale's Ford, Va., about 1859. He was a mulatto, his father being a white man. He was graduated from the Hampton Institute of Virginia in 1885. He received the honorary degree of A. M. from Harvard university in 1896, and the degree of LL. D. from Dartmouth in 1901. He died in 1915. He never was elected to Congress.

How many states in the American Union have what is known as the single tax law, and what states are they?

A. B. R.

There are no states in the American Union so far as I know, that have put into operation the single tax theory. Some of them have some modifications of it in the way of taxing improvements at less than they tax the land, but no state has gone to the extent of adopting the single tax idea. Perhaps, the state of North Dakota has gone farther in this respect than any other state, but it has not the single tax plan.

B has a son 21 years old who is feeble minded; she finds it impossible to keep him around the other children any longer.

How should she go about it to have him sent to Winfield without it being published? To whom should she apply?

B. M.

Write or apply to Secretary State Board of Administration, Topeka, Kan.

Can a woman collect for washing done for the man who works by the day and milks three cows a day for board extra, also for the use of team one day in every month, also charge for care for three weeks during sickness? This person refuses to pay, saying all was included just as if he were working by the month.

M. J. H.

I am not certain that I understand this somewhat complicated arrangement. If I understand it, this man was milking three cows in payment for his board and the lady who asks the question was doing his washing for him; also she granted him the use of a team one day a month, and cared for him during a period of sickness.

If I have the right understanding of these transactions, there is no question but what this lady would have the right to collect for her services—for the washing, for the care during sickness, and for the use of the team—and could garnish his wages in satisfaction of her claim.

Doctor A was B's family physician. Mrs. B got sick and went to Doctor A for treatment. Doctor A said she would have to be operated on and promised that she would get well if she went thru the operation. Mrs. B consented to the operation. Doctor A had Doctor C perform the operation. Mr. B never saw Doctor C until he was ready to oper-

ate and Mrs. B. never saw him until after the operation was performed. Mrs. B did not get well as a result of the operation, but got worse, and has since then been under the care of three specialists for more than two years. She is fairly well now. Doctor A did not send any bill, but 18 or 20 months after the operation, Doctor C sent bill to B for his services, after he heard Mrs. B was getting better. Can Doctor C collect the bill for his services from B?

J. A.

Unless it can be shown that the operation was not performed in a skillful manner, my judgment is that C can collect. There is nothing to indicate that Doctor C gave either B or his wife any guaranty that this operation would result in the cure of Mrs. B, and he would not be bound by any promises which Doctor A had made to B unless he became a contracting party to such promises.

A owns a farm on which B has first mortgage falling due March 1, 1922. C has a second mortgage on the same land. A desires to borrow more money from B and increase the mortgage to B to that amount. Can he do that without permission from C who holds a second mortgage?

A. M. F.

He could not for the reason that such an action would necessarily impair C's security.

A has a quarter section of land all in cultivation. B rents the quarter section adjoining for pasture purposes. He has no cultivated land on this quarter. He builds his pasture fence right on the dividing half section line. His stock reaches thru the fence and over the fence and eats A's grain. He also demands that A pay for half of the fence and keep up half of the expenses of repairing the same.

Does A have to do this? Does the herd law in Sherman county give A any protection from B's stock eating his grain by reaching thru this fence? What would be the legal way for A to proceed to collect damages from B on account of his stock getting out of his pasture and running over and eating up A's crop?

What section lines are legal public highways in Kansas? If a section line has been used as a public highway for years and the roads have been graded and worked with polltax money, and later someone buys land on both sides of this section line and fences it up; what would be the legal way to have this line opened up?

K. R. S.

The legislature of Kansas some years ago practically wiped out the old herd law by an amendment which provided, that where one was cultivating land, he might build a fence around it and compel his neighbor to join in building such fence; so that under the law as it now stands, B probably could compel A to build one-half of the fence. If B's stock reaches thru the fence and destroys A's crop, A would have the right to collect from B the value of the crop so destroyed.

Section lines in Kansas are not public highways, unless counties have by a special act of the Legislature been permitted to declare its section lines highways. This has been done, I think, in one or two instances, but I do not have the session laws at hand which tell to which counties such special acts apply. You could find out, of course, by going to the county clerk, whether there has been such an act passed applying to Sherman county.

If this road has been opened up along the section line and worked continuously for 30 years, and used as a public highway during that time, it is my opinion that the public would have acquired a right to use this highway, and purchasers of the land would not have a right to close it up without going before the commissioners and having the road vacated by their order.

A and B are husband and wife; they separate not because he does not support her well, but because he refuses to take her part against his people, who act supercilious at times. The parents have an infant child. He says his people treat her all right. She says a few of them try deliberately to hurt her feelings and remind her of her subordinate condition and her parents' poverty. She is not strong and feels that she needs a college education for assuming entire support of her child.

Can she lawfully expect him to hire a competent woman to care for the baby until she gets her education? His folks are well-to-do and hers are almost needy. She feels that A's folks will do anything to humble and annoy her. A so far has promised the child support in the way mentioned, and because he supports the child, can he take it away from her, and train it to be prejudiced against her?

D. W. B.

This is a case in which it is very difficult for me to know what to advise. In fact, I do not know what advice to give without knowing a great deal more about all the conditions and circumstances connected with this case, than I know now.

It is quite possible that the writer of this letter is over sensitive and inclined to be morbid. If she is in poor health, as her letter indicates, this condition of mind is all the more likely. It may be that her husband's people treat her in a mean way, as she says, and it may be on the other hand, that they really do not intend to do anything of the kind; and that a part of her troubles, at least, are imaginary.

The father being the supporter of the wife and child, is the natural guardian, and would have the right to control this child, unless it can be shown to a court of competent jurisdiction, that he is unfit to exercise control. In that case the court could order the child turned over to the mother; but there is nothing in this letter to indicate that the father is not competent to control this child, and as I have said would have the natural right to do so.

The law requires him to support his wife and child so long as they occupy the marriage relation. And if they are divorced, the court would require him still to make provision for their support. It would not, however, require the husband to give this wife a college education in order that she might at some future time be prepared to support herself and child, because the presumption is, that he is going to continue to support both of them.

What's the Matter With Business?

THE answer a former Secretary of Agriculture gives to this question is "a lack of orders due to the reduced purchasing power of the farmer."

He is right. Until the prices at which farmers sell and the prices at which farmers buy reach something approximating a sane level, business and industry and labor are not going to get out of the hole. And the greatest obstacle to the necessary leveling process continues to be the impossible freight rates which have bound and hampered the country for the last 16 months.

Until we reduce the confiscatory freight rates and the prices of most manufactured goods, agriculture is not going to start back on the road to recovery, and until agriculture recovers nothing else will. A general reduction in rail rates must be the first step. There is salvation in it to the railroads themselves.

It now takes a pound of good country butter to buy a box of axle grease made of refinery refuse; a bushel of oats to buy a cup of coffee; a bushel of corn to pay for a plate of corn cakes; 1½ bushels of corn to pay for a haircut; 2 bushels of corn to buy a pound of good breakfast bacon; 40 bushels of corn to buy a pair of shoes; a bushel of corn to buy a cheap pair of cotton socks; 120 bushels of corn to buy a hand-me-down suit of clothes; 160 bushels of corn to buy an overcoat; 50 to 100 bushels of corn to get a woman's hat.

It costs as much or more to ship hay, oats, sheep, hides, potatoes and other farm products as the grower gets for them.

We pay in freight charges from \$3.50 to \$7 a pound for our shoes; from \$5 to \$10 a pound for our clothing; from \$10 to \$20 a pound for our hats. But the average freight from New York to the Central West is only from one-third to one-fifth of 1 per cent of the average selling price of the clothing and dry goods used by the consumer.

The farmer has to pay from 8 to 12½ cents a pound for implements and the freight on the implements averages more than 33½ per cent of the total cost as against one-fifth of 1 per cent on drygoods, clothing and accessories. He receives, in the Central belt, from one-third to two-thirds of 1 cent a pound for his corn and the freight is from 100 to 200 per cent of what he receives for it at his barnyard gate.

Prices paid to producers of principal crops are 54 per cent less than a year ago; 58 per cent less than 2 years ago; and 34 per cent less than the 10-year average.

Prices paid to producers for meat animals are 35 per cent less than a year ago; 49 per cent less than two years ago; and 17 per cent less than the 10-year average.

After high freight rates, the great disparity in price levels is the next great stumbling block. The Attorney General could scarcely engage in more important work than in the price inquiry he now is conducting.

The Interstate Commerce Commission has again ordered the 16½ per cent reduction in rates on grain and hay put into effect in Trans-Mississippi territory and has decreed that corn and other coarse grains be carried for 10 per cent less than wheat. These are welcome concessions of course, a good beginning. A few months ago they might have saved the hay crop and led to harvesting much corn that today is still standing in the fields. But for the farmers who have sold either their corn or their wheat, and this amounts to about 75 per cent of all the farmers in the grain belt, a reduction in the rate on strawberries would be fully as helpful.

President Harding is as anxious to see rail rates reduced as am I or anyone else, but his authority does not extend to the Interstate Commerce Commission. The commission virtually is a law unto itself under the present Transportation act, an independent arbiter subject only to Congress. It has more lawful power to discriminate between states than the railroad managers of former days assumed. An interesting fact in this connection is that my measure to remove the so-called 6 per cent guarantee clause from the Transportation act and to restore the rate-making powers of the state railroad commissions is being fought by every railroad president and every big railroad lawyer in the country.

Another remedy is co-operative marketing. It happens that the Volstead-Capper Co-operative Marketing bill is about the only thing on the legislative program at this time which will reduce the spread between the producer and consumer and enable the producer to get a larger and more nearly just share of the results of his labor.

Of one thing we may be certain, until we have a readjustment of commodity prices, which shall bring with the distribution of the economic rewards of industry, a fairer share to the farmers of the United States, we shall whistle for anything like a definite return to better times. I am glad to say prospects look decidedly brighter for this readjustment process than at any previous time since the war.

Washington, D. C.

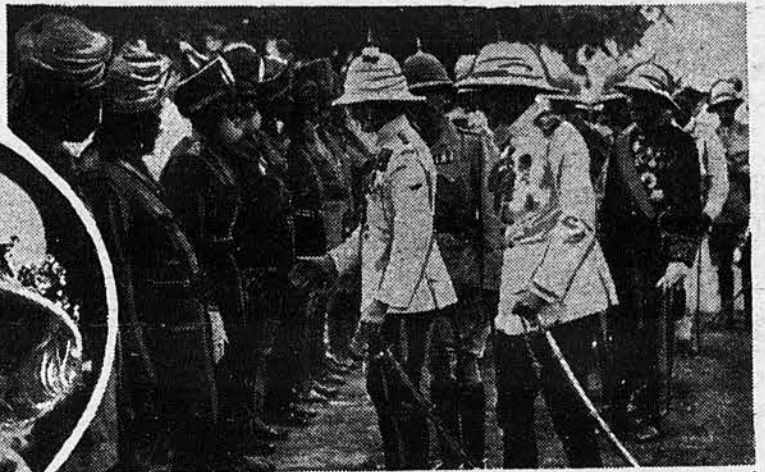
News of the World in Pictures



Dr. Adolf Lorenz in the Role of a Surgical Santa; He Brought Gifts of Health and Strength to Crippled Children in a New York Hospital; the Great Surgeon Was Accompanied by Girls From the Julia Richman High School Who Saw That None Was Overlooked.



Spring Flowers Bloom Already, as They Should, on Spring Hats; Dainty and Becoming is This Spring Hat by Bluebird; It is Molded of Attractive Soft White Leghorn and It is Youthfully and Bewitchingly Trimmed With Tiny Flowers; Note How They are Massed in Front.



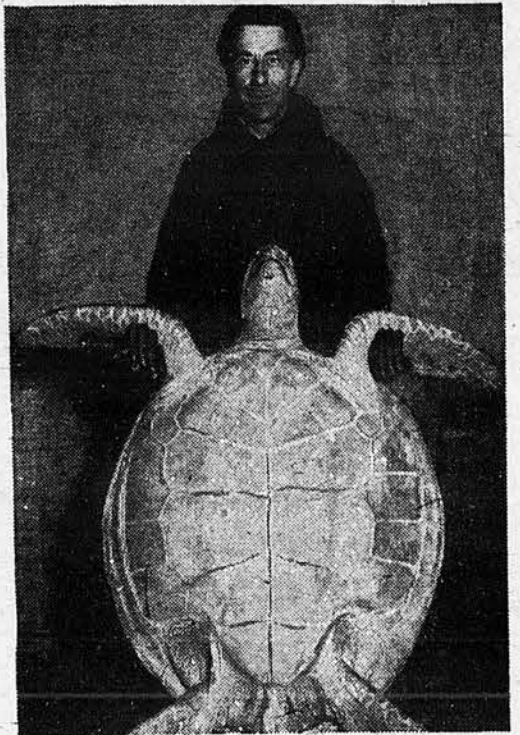
The Prince of Wales Does Honor to an Indian Hero; a Touching Feature of the Visit of the Prince of Wales in Poona; While Reviewing Veterans of the Indian Army the Prince Reverently Touches the Hilt of the Warrior's Sword; This Weapon Has Often Defended the Empire.



A Freak of Nature; Perhaps You Never Saw a Squash Grow on a Tree; Neither Did the Editor Until This Photo Came Along From Roslindale, Mass.; This Squash and Several More Grew From a Vine That Worked Its Way to the Top of the Tree.



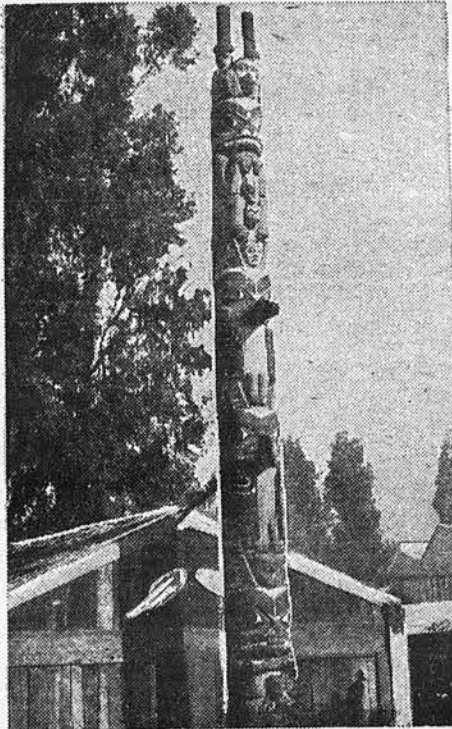
A Speedy Dutch Conveyance, a Netherlandish Flivver; Dad Uses It to Skim Along the Frozen Canal When He Takes the Children to School; Two Strong Arms and Two Spiked Sticks Provide the Motor Power; His Mighty Foot in a Wooden Shoe Serves as a Satisfactory Rudder.



This Monster Turtle Recently Exhibited at the Fulton Fish Market in New York Weighs 250 Pounds; It Was Brought to This Country From Costa Rica; Thomas Gillane is Holding It Up and Will Care For It Until the Soup Kettle Gets Busy.



This is How Woodrow Wilson Looked on His Recent Birthday; He is Now 65 Years Old; More Than a Thousand Persons Telegraphed Greetings to Him; Many Messages Were Cabled to Mr. Wilson From Foreign Countries; He is Much Improved in Health.



This is Alaska's Largest Totem Pole; It Was Recently Brought to California and is Now a "Movie Actor" in Los Angeles; It Was Carved for Chief Son-i-hat of the Haida Indians.

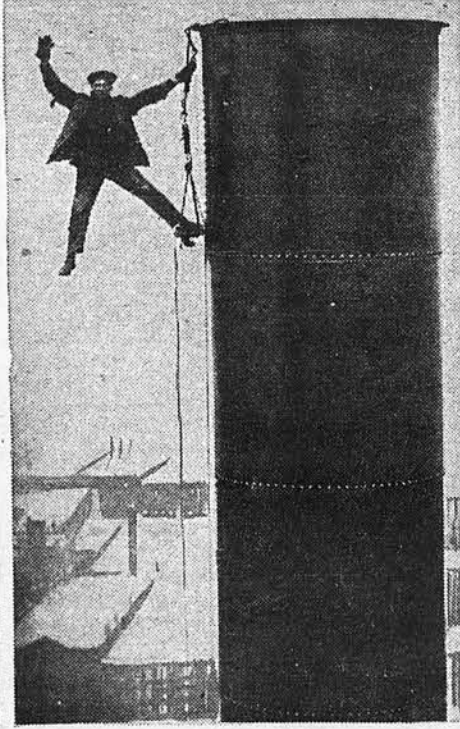
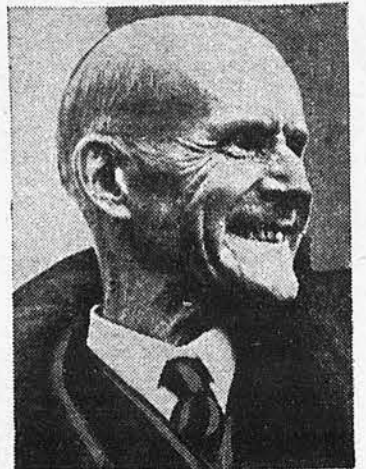


Photo of Allen Crippen; He is a Chicago Steeplejack Who Doesn't Lose His Nerve in This Perilous Position; Crippen is Working on the Chimney of the Stock Exchange Building 20 Stories High.



A Characteristic View of Eugene V. Debs; He Was Five Times the Socialist Candidate for President; Debs Was Sentenced to Prison for 10 Years for Obstructing the Drafting of Men for War Purposes; He Was Pardoned on Christmas Day by President Harding and is Now at Full Liberty.

Warns Against Spring Wheat

Farmers Ought Not to Replant Fall Sown Wheat Ground, But Should Try Barley, Oats, Kafir and Corn Which Will Return Greater Profits

By L. E. Call

SHALL we plant spring wheat in Kansas on ground where winter wheat fails? The condition of winter wheat at the present time is the poorest in the history of Kansas. In the central third of the state where most of the wheat is grown the two-months period that ended with November was the driest ever known.

Notwithstanding present conditions it is yet possible to produce a fair crop of winter wheat on a large part of the wheat acreage if weather conditions become favorable. Should the weather continue unfavorable, however, most of the wheat ground in Central and Western Kansas must be planted to some other crop. Even with the most favorable conditions there will be many acres now in wheat that it will be necessary to replant to spring crops.

Spring Wheat an Unsafe Bet

Is spring wheat likely the best crop for this purpose? For the most of the state I think not. There is a small area in Northwestern Kansas where the elevation is high and the summer weather comparatively cool and in this section spring wheat frequently is a profitable crop, but over most of Central and Western Kansas it would be a mistake to plant spring wheat.

During the last 10 years the only profitable crop of spring wheat on the Hays Experiment station was produced in 1921, and if it had not been for the extremely low price of barley and the high price of wheat, barley would have been more profitable. The only other season when spring wheat equaled barley in comparative value was in 1913 when all crops were extremely poor. The average yield of barley for the 10-year period of these tests has been 21.7 bushels an acre. At 30 cents a bushel, this would give an acre return of \$6.51.

In the case of Durum spring wheat the average yield has been 6.7 bushels an acre, and the average test weight 51 pounds a bushel. Wheat of this quality is very poor. In fact, a num-

ber of seasons the quality was so poor that it was worthless for milling purposes. Certainly this wheat would not command on the market an average of more than 60 cents a bushel. It usually is difficult to market a poor quality of Durum wheat at any price in Kansas. Estimating the value of this wheat at 60 cents a bushel would give an acre return of \$4.02 for Durum wheat.

The average yield of common spring wheat has been 5.6 bushels an acre, and the average test weight 54 pounds to the bushel. If we value this wheat at 85 cents a bushel, which would be a high price for spring wheat of this quality, the return an acre would be \$4.76. The average yield of oats has been 19.6 bushels an acre. This is a lower yield than barley altho the yields were figured at 32 pounds to the bushel for oats and 48 pounds to the bushel for barley. Oats therefore will prove a much less profitable spring crop than barley at Hays.

In case the winter wheat fails my

recommendations to farmers of Central and Western Kansas are, first, to plant barley or oats if any spring variety of small grain is planted. I would plant barley on a reasonably large acreage if conditions next spring were at all favorable for an early spring crop. It would not be advisable to plant barley in dry ground, and I would not recommend sowing barley unless moisture conditions were such that there would be a reasonable chance of the crop making a profitable return.

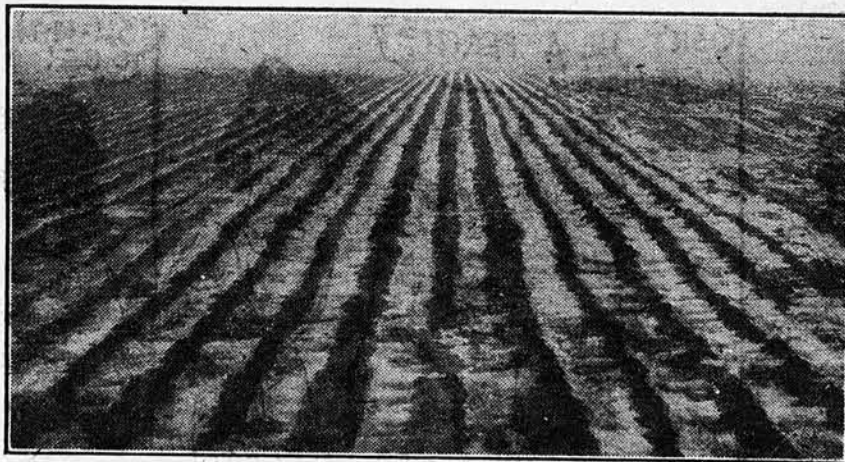
In the second place, I would recommend that as large an acreage as possible be planted to kafir, milo and corn. The area planted to these crops should depend on the ability to handle these crops with the machinery and labor available. It is doubtful whether it will pay many to buy new equipment or to hire extra labor for this purpose. As a rule these crops should be planted in a large part of this territory with the expectation of drilling hard winter wheat next fall in most of this ground.

I also would recommend that a reasonably large acreage of land be summer-fallowed for winter wheat next year. In most cases land that is properly summer-fallowed will produce more wheat in one season than will be produced on poorly prepared land in two years. At the Hays Experiment station as an average of the last 10 years winter wheat on summer fallow has produced 20 bushels an acre, while the average yield of wheat on land plowed late in the summer during this period was only 9 bushels. The benefit derived from fallowing does not come entirely in the first crop. In the second season after fallow the wheat usually is much better than on continuously cropped ground. As a rule very little preparation of the ground is necessary for the second crop after fallow.

Summer Fallowing Often Advisable

Thus two very good crops of wheat usually can be grown following a fallow period with a very small labor investment. For these reasons it will undoubtedly be good farm practice for many farmers in Central and Western Kansas to figure on summer fallowing a reasonable wheat acreage next fall.

If spring wheat is planted, a variety that will mature as early as possible should be grown. Prelude is perhaps the best, but if seed of this variety cannot be obtained, the Marquis probably will be the next best variety to sow. Spring wheat should be sown in the spring as early as the ground can be prepared for seeding. This is very important as spring wheat sown late is practically certain to be a total failure. On corn or kafir ground or on ground where winter wheat has failed the spring wheat should be sown as early as weather will permit and the ground is in condition for seeding. Spring wheat does not stool as much as winter wheat and for this reason about 1 peck more of seed should be sown to the acre. The best rate for Western and Central Kansas probably will be 4 or 5 pecks an acre in most sections.



A Field of Wheat Planted in Lister Furrows in Thomas County, to Aid in Giving the Right Kind of Winter Protection to the Crop

A Silo Saved My Corn Crop

By Using It I Was Able, During the Dry Summer of 1913, to Store Enough Feed to Carry All of the Farm Livestock Thru the Winter

By A. E. Pearson

Labette County, Kansas

THE SILO I consider an absolute necessity on every farm if the best results are to be obtained.

I never had owned a silo until I was forced to buy one in the summer of 1913, or lose all of my corn crop. The dry weather stopped the growth of the corn shortly after it tasseled and if left until fall it would not have made good fodder. I cut the corn in August and put it in the silo. It took all the corn that I had that year to fill the silo but the following winter I had an abundance of good feed, whereas I would have had very nearly nothing without the silo.

Feeds Silage To All Stock

As I have said, I had no corn other than that in the silo and my oats crop was very short so that winter I fed silage to all of my stock, cattle, horses and hogs, and while I do not recommend any great quantity of silage for horses yet my horses and mules came thru that winter in good condition on silage and hay with very little grain.

I am convinced that I saved twice the cost of my silo the first year, since by the aid of the silo I was able to save what little corn I had and get thru the winter in good condition.

I have a small farm and raise a considerable amount of wheat and at the same time keep 10 or 12 cows all the time. It was a problem to raise enough corn to fill the silo and still have corn, other than silage, to feed so several years ago I began experimenting with sorghum. As a rule I could stack about 10 or 15 acres of my wheat immediately after cutting it, and then I

could plow the ground and plant sorghum before the middle of July and get a good crop of sorghum in the fall for the silo. My experience has been that light or even moderately heavy frosts do not hurt sorghum any for silage so I let crop stand until late and the sorghum is nearly ripe. This has the added advantage of bringing silo filling around at a time when it is out of the way of most of the other work and help is easy to get. I always mix the sorghum silage with field corn. I find that a good mixture is two-thirds sorghum and one-third field corn. This makes a good silage mixture with little if any water and the stock like it and thrive on it during the winter with only a little hay, wheat straw and occasionally a little grain.

Sorghum or kafir for silage must not be cut too green. The seed should be quite hard before the sorghum is cut. If cut too green the sorghum is very likely to sour and even when mixed with corn as I use it, will be too sour to be fit to feed. I know a farmer who filled his silo entirely with sorghum that was cut a little after the sorghum headed out and his silage was so sour that he could not feed it. He hauled most of it out for manure.

I am very strongly in favor of a mixture of corn and sorghum for silage and have had the best of success in feeding such a ration. I have found kafir and milo also very good in the

silo but have had the best results when I had the sorghum mixed with a little corn. In this way I raise two-thirds of my silage as a second crop and the other one-third is corn that I cut from the poor spots in my corn field. There is generally a few acres in some part of the corn field that has either been too wet or too dry and is of little value except for silage. This I use with the sorghum and in this way my silage every year is all salvage.

I find that the most convenient and cheapest method of cutting the crop for silage is with a corn binder. I usually cut and shock the field corn several days or, perhaps, several weeks before the sorghum is ready to cut, but do not cut the sorghum until about a day or two days before the silo is filled.

Sorghum is not only a very satisfactory crop for silage as I use it but it is a sure crop regardless of the kind of a season. It will grow and mature in the driest of weather. I never have had it fail and I have seen it go thru some very dry, hot summers.

One great mistake many farmers make is in not tramping and packing their silage enough when the silo is being filled. I always do my own tramping so that I can watch the condition of the silage as it comes in and know that it is well tramped. With a mixture of two-thirds green sorghum and a little dry corn, the silage usually

will pack very well but if I notice that it is coming in too dry I either order more sorghum or some water. If the silage is put in too dry it is fluffy and will not pack properly no matter how much it is tramped. Wherever it is not well packed down, the air remains in the silage and it is sure to mold. If it is necessary to add water it is easily done by turning a little stream from a hose into the blower at the cutter. I always keep a thresher tank full of water standing at the cutter to be used if needed.

Another mistake commonly made in the filling of silos is in not making the doors air-tight. Many doors, especially old ones, do not lock closely enough to be air-tight.

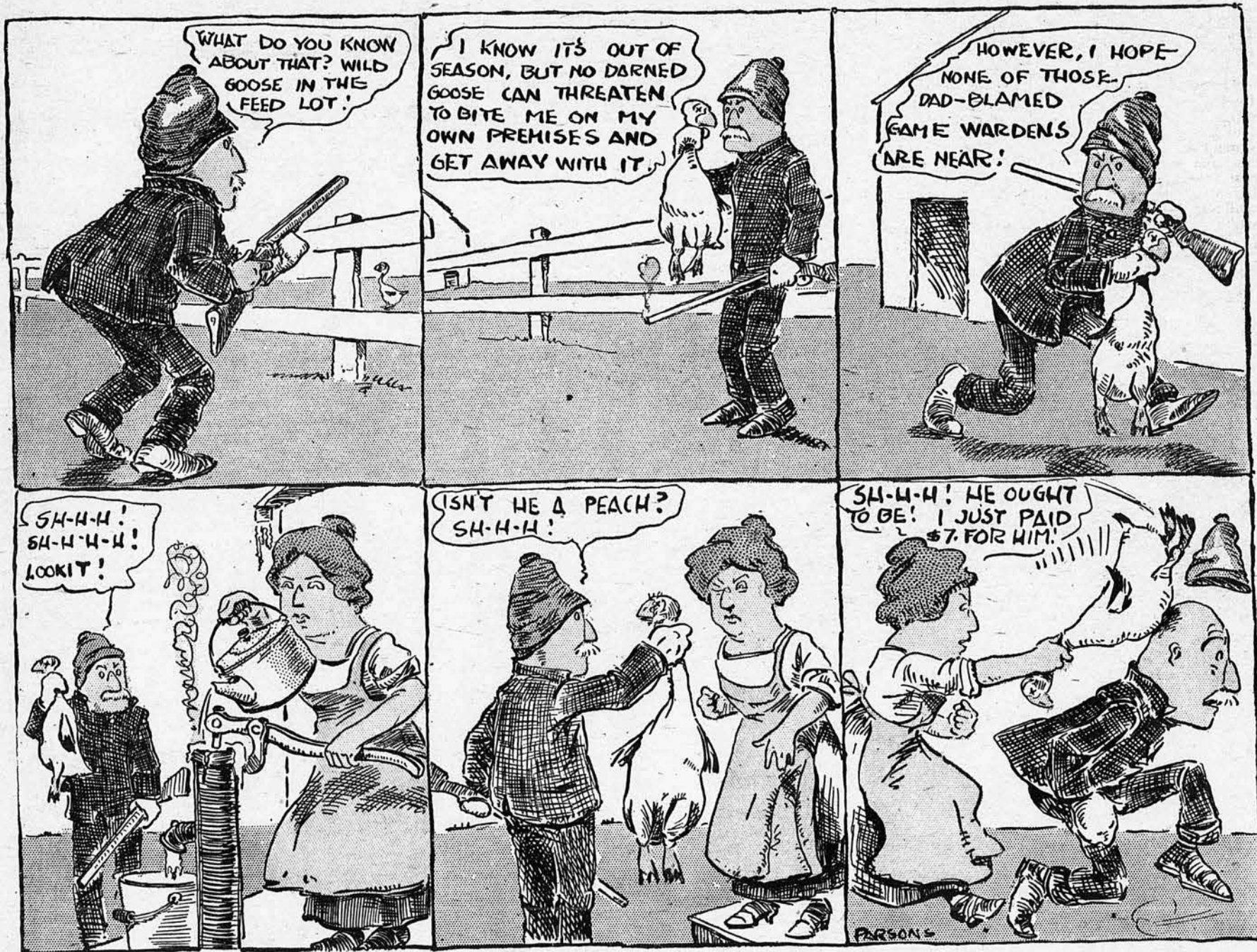
Air Must Be Excluded

This is another reason why I wish to be in the silo myself when it is filled. I always fasten the doors in as tight as I can and then as the silage fills up to them I cover the inside of the silo for a considerable distance past and around the doors with several thicknesses of newspaper. This excludes the air. Wherever the air gets to the silage it is ruined.

More green stuff or more water should be added during about the top or last quarter of the filling and too much tramping cannot be done at this time. In fact at no time during the filling can too much tramping be done. A sufficient amount of green stuff or water to make the silage settle and an abundance of tramping as well as tight walls are absolutely necessary in the making of a good quality of silage.

The Adventures of the Hoovers

Mother Hoover Thinks Dad Should Take a Postgraduate Course in Natural History So That He Can Tell a Wild Goose From a Tame One



The Light in the Clearing

By Irving Bacheller

(Copyright, The Bobbs-Merrill Company)

I HOED the garden and cleaned its paths and mowed the dooryard and did some painting in the house. I remember that Mrs. Ebenezer Binks—wife of the deacon and the constable—came in while I was at the latter task early one morning to see if there were anything she could do.

She immediately sat down and talked constantly until noon of her family and especially of the heartlessness and general misconduct of her son and daughter-in-law because they had refused to let her apply the name of Divine Submission to the baby. It had been a hard blow to Mrs. Binks, because this was the one and only favor which she had ever asked of them. She reviewed the history of the Binkses from Ebenezer—the First—down to that present day. There had been three Divine Submissions in the family and they had made the name of Binks known wherever people knew anything. When Mrs. Wright left the room Mrs. Binks directed her conversation at me, and when Mrs. Wright returned I only got the spray of it. By dinner time we were drenched in a way of speaking and Mrs. Binks left, assuring us that she would return later and do anything in her power.

"My stars!" Mrs. Wright exclaimed. "If you see her coming lock the door and go and hide in a closet until she goes away. Mrs. Binks always brings her ancestors with her and they fill the house so that there's no room for anybody else."

When the day's work was ended Mrs. Wright exclaimed:

"Thank goodness! the Binkses have not returned."

We always referred to Mrs. Binks as the Binkses after that.

Mrs. Jenison, a friend of the Wrights, came in that afternoon and told us of the visit of young Latour to Canton and of the great relief of the decent people at his speedy departure.

"I wonder what brought him here," said Mrs. Wright.

"It seems that he had heard of the beauty of Sally Dunkelberg. But a bee had stung her nose just before he came and she was a sight to behold."

The ladies laughed.

"It's lucky," said Mrs. Wright.

"Doesn't Horace Dunkelberg know about him?"

"I suppose he does, but the man is money crazy."

I couldn't help hearing it, for I was working in the room in which they talked. Well, really, it doesn't matter much now. They are all gone.

"Who is young Latour?" I asked when Mrs. Jenison had left us.

"A rake and dissolute young man whose father is very rich and lives in a great mansion over in Jefferson County," Mrs. Wright answered.

I wondered then if there had been a purpose in that drop of honey from the cup of the Silent Woman.

I remember that the Senator, who returned to Canton that evening on the Watertown stage, laughed heartily

when, as we were sitting by the fire-side, Mrs. Wright told of the call of the Binkses.

"The good lady enjoys a singular plurality," he remarked.

"She enjoys it better than we do," said Mrs. Wright.

Visiting With the Senator

The Senator had greeted me with a fatherly warmth. Again I felt that strong appeal to my eye in his broadcloth and fine linen and beaver hat and in the splendid dignity and courtesy of his manners.

"I've had good reports of you, Bart, and I'm very glad to see you," he said.

"I believe your own marks have been excellent in the last year," I ventured.

"Poorer than I could wish. The teacher has been very kind to me," he laughed. "What have you been studying?"

"Latin (I always mentioned the Latin first), Algebra, Arithmetic, Grammar, Geography and History."

"Including the history of the Binkses," he laughed.

There was never a note of humor in his speeches, but he was playful in his talk at times, especially when trusted friends were with him.

"She is a very excellent woman, after all," he added.

He asked about my aunt and uncle

and I told him of all that had befallen

us, save the one thing of which I had spoken only with them and Sally.

"I shall go up to see them soon," he said.

The people of the little village had learned that he preferred to be let alone when he had just returned over the long, wearisome way from the scene of his labors. So we had the evening to ourselves.

I remember my keen interest in his account of riding from Albany to Utica on the new railroads. He spoke with enthusiasm of the smoothness and swiftness of the journey.

"With no mishap they now make it in about a half a day," he said, as we listened with wonder. "It is like riding in a house with a good deal of smoke coming out of the chimney and in at the windows. You sit on a comfortable bench with a back and a foot-rest in front and look out of the window and ride. But I tremble sometimes to think of what might happen with all that weight and speed."

And the Engine Broke Down

"We had a little mishap after leaving Ballston Spa. The locomotive engine broke down and the train stopped. The passengers poured out like bees. We put our hands and shoulders on the train and pushed it backwards about a third of a mile to a passing station. There the engine got out of our way and after an hour's wait a horse was hitched to train. With the help of the men he started it. At the next town our horse was reinforced by two others. They hauled us to the

engine station four miles beyond, where another locomotive engine was attached to the train, and we went on by steam and at a fearful rate of speed."

Mrs. Wright, being weary after the day's work, went to bed early and, at his request, I sat with the Senator by the fire for an hour or so. I have always thought it a lucky circumstance, for he asked me to tell of my plans and gave me advice and encouragement which have had a marked effect upon my career.

I remember telling him that I wished to be a lawyer and my reasons for it. He told me that a lawyer was either a pest or a servant of justice and that his chief aim should be the promotion of peace and good will in his community. He promised to try and arrange for my accommodation in his office in the autumn and meanwhile to lend me some books to read while I was at home.

"Before we go to bed let us have a settlement," said the Senator. "Will you kindly sit down at the table there and make up a statement of all the time you have given me?"

I made out the statement very neatly and carefully and put it in his hands. "That is well done," said he. "I shall wish you to stay until the day after tomorrow, if you will. So you will please add another day."

I amended the statement and he paid me the handsome sum of seven dollars. I remember that after I went to my room that night I stitched up the opening in my jacket pocket, which contained my wealth, with the needle and thread which Aunt Deel had put in my bundle, and slept with the jacket under my mattress.

The Senator and I were up at five o'clock and at work in the garden. What a contrast to see him spading in his old farm suit! Mrs. Wright cooked our breakfast and called us in at six.

A Visitor Arrives

I remember we were fixing the fence around his pasture lot that day when a handsomely dressed gentleman came back in the field. Mr. Wright was chopping at a small spruce.

"Is Senator Wright here?" the stranger inquired of me.

I pointed to the chopper.

"I beg your pardon—I am looking for the distinguished United States Senator," he explained with a smile.

Again I pointed at the man with the ax and said:

"That is the Senator."

Often I have thought of the look of astonishment on the face of the stranger as he said: "Will you have the kindness to tell him that General Maccomb would like to speak with him?"

I halted his ax and conveyed the message.

"Is this the hero of Plattsburg?" Mr. Wright asked.

"Well, I have been there," said the General.

They shook hands and went up to the house together.

I walked back to the hills that evening. There I found a letter from Sally. She and her mother, who was in ill health, were spending the summer with relatives at Portsmouth, New Hampshire. She wrote of riding and fishing and sailing, but of all that she wrote I think only of these words now:

"I meet many good-looking boys here, but none of them are like you. I wonder if you remember what you said to me that day. If you want to unsay it, you can do it by letter, you know. I think that would be the best way to do it. So don't be afraid of hurting my feelings. Perhaps I would be glad. You don't know. What a long day that was! It seems as if it wasn't over yet. How lucky for me that it was such a beautiful day! You know I have forgotten all about the pain, but I laugh when I think how I looked and how Mr. Latour looked. He laughed a good deal going home, as if thinking of some wonderful joke. In September I am going away to a young ladies' school in Albany. I hate it. Can you imagine why? I am to learn fine manners and French and Spanish and dancing and be good enough for any man's wife. Think of that. Father says I must marry a big man. Jiminy Crimps! As if a big man wouldn't know better. I am often afraid that you will know too much. I know what will happen when your intellect sees how foolish I am. My grandmother says that I am frivolous and far from God. I am afraid it's true, but sometimes I want to be good—only sometimes. I remember you

said, once, that you were going to be like Silas Wright. Honestly I believe that you could. So does mother. I want you to keep trying, but it makes me afraid. Oh, dear! How sad and homesick I feel to-day! Tell me the truth now, when you write."

That evening I wrote my first love letter—a fairly warm and moving fragment of history. My family have urged me to let it go on record, but I have firmly refused. There are some things which I can not do even in this little masquerade. It is enough to say that when the day ended I had deliberately chosen two of the many ways that lay before me.

A Change to Manhood

Swiftly now I move across the border into manhood—a serious, eager, restless manhood. It was the fashion of the young in those days. I spent a summer of hard work in the fields. Evenings I read the books which Mr. Wright had loaned to me, Blackstone's Commentaries and Greenleaf on Evidence and a translation by Doctor Bowditch of LaPlace's *Mechanique Celeste*. The latter I read aloud. I mention it because in a way it served as an antidote for that growing sense of expansion in my intellect. In the vastness of infinite space I found the littleness of man and his best accomplishments.

Mr. Wright came up for a day's fishing in July. My uncle and I took him up the river. I remember that after he had landed a big trout he sat down and held the fish up before him and looked proudly at the graceful, glowing, arrowy shape.

"I never did anything in the Senate that seemed half so important as this," he remarked thoughtfully.

While we ate our luncheon he described Jackson and spoke of the famous cheese which he had kept on a table in the vestibule of the White House for his callers. He described his fellow senators—Webster, Clay, Rives, Calhoun and Benton. I remember that Webster was, in his view, the least of them, altho at his best the greatest orator. We had a delightful day, and when I drove back to the village with him that night he told me that I could go into the office of Wright and Baldwin after harvesting.

"It will do for a start," he said. "A little later I shall try to find a better place for you."

What the Stranger Said

I began my work taking only the studies at school which would qualify me for surveying. I had not been in Canton a week when I received a rude shock which was my first lesson in the ungentle art of politics. Rodney Barnes and Uncle Peabody were standing with me in front of a store. A man came out with Colonel Hand and said in a loud voice that Silas Wright was a spoilsman and a drunkard—in politics for what he could get out of it.

My uncle turned toward the stranger with a look of amazement. Rodney Barnes dropped the knife with which he had been whittling. I felt my face turning red.

"What's that, mister?" asked Rodney Barnes.

The stranger repeated his statement and added that he could prove it.

"Let's see ye," said Barnes as he approached him.

There was a half moment of silence.

"Go on with yer proof," Rodney insisted, his great right hand trembling as he whittled.

"There are plenty of men in Albany that know the facts," said the stranger.

"Any other proof to offer?"

"That's enough."

"Oh, I see, ye can't prove it to-day, but ye don't mind sayin' it to-day. Say, mister, where do you live?"

"None o' your dam' business."

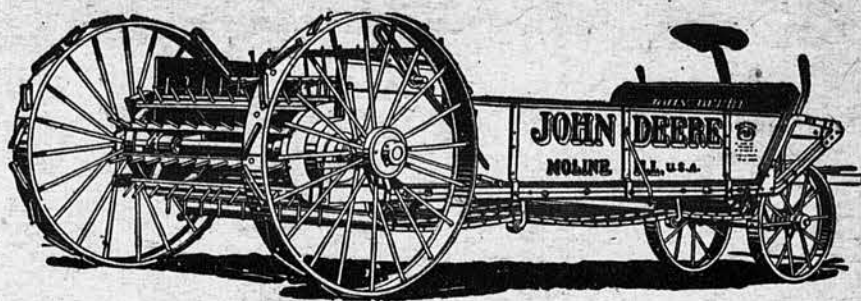
Swift as a cat's paw the big, right hand of Rodney caught the man by his shoulder and threw him down. Seizing him by the collar and the seat of his trousers our giant friend lifted the slanderer and flung him to the roof of a wooden awning in front of the grocer's shop near which we stood.

"Now you stay there 'til I git cooled off or you'll be hurt," said Rodney. "You better be out o' my reach for a few minutes."

A crowd had begun to gather.

"I want you all to take a look at that man," Rodney shouted. "He says Silas Wright is a drunkard an' a thief."

Loud jeers followed the statement, then a volley of oaths and a moment of danger, for somebody shouted:



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The secret of a "balanced diet" is to have food containing all the elements needed for proper nutrition. These elements are protein, to nourish the tissues; starch and sugar to furnish energy; fat to supply heat; and mineral salts to provide the material necessary for building nerves, brain, and tooth and bone structure.

Grape-Nuts, the nourishing cereal made of whole wheat flour and malted barley, served with cream or milk, is a complete food for young and old alike.

Go to your grocer today and get a package of Grape-Nuts. Eat it with milk or cream for breakfast; or with stewed fruit, jelly or jam, as a delicious dessert for lunch or dinner.

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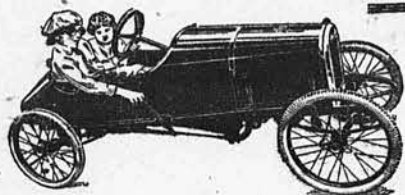
Do You Think You Can Spell?

See How Many Words You Can Make

This puzzle is a sure winner—everyone who joins the Club wins a prize. It's easy, try it. See how many words you can make out of the letters used in the word "Republican." A few of the words are: Blue, can, ran, pie, rice, etc. Don't use more letters in the same word than there are in the word "Republican." Only words that can be found in Webster's International Dictionary will be counted. This puzzle looks easy and simple, but if you can make 10 or 15 words send in your list at once. The person winning first prize may not have that many. Be first to send in your list.



15 Grand Prizes
Will Be
Given Away



Culver Auto—1st Prize

A Real Gasoline Automobile

This is not a toy, but a real automobile, built especially for boys and girls. You can learn to run it in an hour's time. It will do anything a full sized car will do. You can run errands, take things to market, drive to school, go after the mail—all you have to do is to crank it, jump in and you are ready to go. Some girl or boy is going to be the proud owner of this Culver Racer—why not you? See how many words you can make out of above puzzle. Get an early start.

This Is "Prince"—2d Prize

How many little boys or girls would be proud to own a pony like Prince. The Pony is four years old, and about 40 inches high. It's a spotted pony with four white feet, some white in tail and mane. This does not show a very good picture of Prince, but he is a mighty pretty little pony and loves boys and girls. He wants a good home. We gave Prince's Brother away last month to a little girl just 9 years old, and I wish you knew how easy it was for her to get this pony. Don't fail to join my club. If you can spell see how many words you can make out of the above puzzle and write me TODAY.



Pencil Box, Extra Special Prize—Every Club Member Rewarded



Each one who sends in a list of words on this Spelling Club will receive 100,000 votes to start with. Just for fun see how many words you can make. We will also give 50,000 votes and a complete Pencil Box Outfit to all who join the Club. To the Club Member having the most votes at the close of the Club we will give the Culver Racer as first prize. To the second highest Club Member we will give the Shetland Pony, Prince, and so on until we have awarded the fifteen grand prizes. You will receive a complete Pencil Box Outfit just for promptness in joining the Club. Any one may enter this Club and there never was a better offer made, especially for boys and girls. Every Club Member gets a prize. If there should be a tie between two or more Club Members, each tying Club Member will receive prize tied for. Answer the puzzle and send in your list of words to me TODAY. Be the first to get the Pencil Box.

BILLY SCOTT, 303 CAPPER BUILDING, TOPEKA, KANSAS

"Let's tar an' feather him."

"No, we'll just look at him a few minutes," Rodney Barnes shouted. "He's one of the greatest curiosities that ever came to this town."

The slanderer, thoroly frightened, stood silent a few moments like a prisoner in the stocks. Soon the grocer let him out at an upper window. Then the loud voice of Rodney Barnes rang like a trumpet in the words:

"Any man who says a mean thing of another when he can't prove it ought to be treated in the same way."

"That's so," a number of voices answered.

The slanderer stayed in retirement the rest of the day and the incident passed into history, not without leaving its impression on the people of the two towns.

Sally Outlines a Program

My life went on with little in it worth recording until the letter came. I speak of it as "the letter," because of its effect upon my career. It was from Sally, and it said:

"Dear Bart—It's all over for a long time, perhaps forever—that will depend on you. I shall be true to you, if you really love me, even if I have to wait many, many years. Mother and father saw and read your letter. They say we are too young to be thinking about love and that we have got to stop it. How can I stop it? I guess I would have to stop living. But we shall have to depend upon our memories now. I hope that yours is as good as mine. Father says no more letters without his permission, and he stamped his foot so hard that I think he must have made a dent in the floor. Talk about slavery—what do you think of that? Mother says that we must wait—that it would make father a great deal of trouble if it were known that I allowed you to write. I guess the soul of old Grimshaw is still following you. Well, we must stretch out that lovely day as far as we can. Its words and its sunshine are always in my heart. I am risking the salvation of my soul in writing this. But I'd rather burn forever than not to tell you how happy your letter made me, dear Bart. It is that Grimshaw trouble that is keeping us apart. On the third of June, 1844, we shall both be twenty-one—and I suppose that we can do as we please then. The day is a long way off, but I will agree to meet you that day at eleven in the morning under the old pine on the river where I met you that day and you told me that you loved me. If either or both should die our souls will know where to find each other. If you will solemnly promise, write these words and only these to my mother—Amour omnia vincit, but do not sign your name. "SALLY,"

What a serious matter it seemed to me then! I remember that it gave Time a rather slow foot. I wrote the words very neatly and plainly on a sheet of paper and mailed it to Mrs. Dunkelberg. I wondered if Sally would stand firm and longed to know the secrets of the future. More than ever I was resolved to be the principal witness in some great matter, as my friend in Ashbery Lane had put it.

I was eight months with Wright and Baldwin when I was offered a clerkship in the office of Judge Westbrook, at Cobleskill, in Schoharie County, at two hundred a year and my board. I knew not then just how the offer had come, but knew that the Senator must have recommended me. I know now that he wanted a reliable witness of the rent troubles which were growing acute in Schoharie, Delaware and Columbia Counties.

It was a trial to go so far from home, as Aunt Deel put it, but both my aunt and uncle agreed that it was "for the best."

"Mr. Purvis" had come to work for my uncle. In the midst of my preparations the man of gristle decided that he would like to go with me and see the world and try his fortune in another part of the country.

Farewell to Home

How it wrung my heart, when Mr. Purvis and I got into the stage at Canton, to see my aunt and uncle standing by the front wheel looking up at me. How old and lonely, and forlorn they looked! Aunt Deel had her purse in her hand. I remember how she took a dollar bill out of it—I suppose it was the only dollar she had—and looked at it a moment and then handed it to me.

"You had better take it," she said.

"I'm 'fraid you won't have enough." How her hand and lips trembled! I have always kept that dollar.

I couldn't see them as we drove away.

I enjoyed the ride and the taverns and the talk of the passengers and the steamboat journey thru the two lakes and down the river, but behind it all was a dark background. The shadows of my beloved friends fell every day upon my joys. However, I would be nearer Sally. It was a comfort when we were in Albany to reflect that she was somewhere in that noisy, bewildering spread of streets and buildings. I walked a few blocks from the landing, taking careful note of my way—mentally blazing a trail for fear of getting lost—and looked wistfully up a long street. There were many people, but no Sally.

The judge received me kindly and gave Purvis a job in his garden. I was able to take his dictation in sound-hand and spent most of my time in taking down contracts and correspondence and drafting them into proper form, which I had the knack of doing rather neatly. I was impressed by the immensity of certain towns in the neighborhood, and there were some temptations in my way. Many people, and especially the prominent men, indulged in ardent spirits.

One of my young friends induced me to go to dinner with him at Van Brocklin's, the fashionable restaurant of a near city. We had a bottle of wine and some adventures and I was sick for a week after it. Every day of that week I attended a convention of my ancestors and received much good advice. Toward the end of it my friend came to see me.

"There's no use of my trying to be a gentleman," I said. "I fear that another effort would hang my pelt on the floor. It's a disgrace, probably, but I've got to be good. I'm driven to it."

"The way I look at it is this," said he. "We're young fellows and making a good deal of money and we can't tell when we'll die and leave a lot that we'll never get any good of."

An Old-World Country

It was a down-country, aristocratic view of the responsibilities of youth and quite new to me. Caligula was worried in a like manner, I believe. We had near us there a little section of the old world which was trying, in a half-hearted fashion, to maintain itself in the midst of a democracy. It was the manorial life of the patroons—a relic of ancient feudalism which had its beginning in 1629, when the West Indies Company issued its charter of Privileges and Exemptions. That charter offered to any member of the company who should, within four years, bring fifty adults to the New Netherlands and establish them along the Hudson, a liberal grant of land, to be called a manor, of which the owner or patroon should be full proprietor and chief magistrate. The settlers were to be exempt from taxation for ten years, but under bond to stay in one place and develop it. In the beginning the patroon built houses and barns and furnished cattle, seed and tools. The tenants for themselves and their heirs agreed to pay him a fixed rent forever in stock and produce and, further, to grind at the owner's mill and neither to hunt nor fish. Judge Westbrook, in whose office I worked, was counsel and collector for the patroons, notably for the manors of Livingston and Van Rensselaer—two little kingdoms in the heart of the great republic.

I spent two years at my work and studied in the office of the learned judge with an ever-present but diminishing sense of homesickness. I belonged to the bowling and athletic club and had many friends.

Louis Latour of Jefferson county, whom I had met in the company of Mr. Dunkelberg, came during my last year there to study law in the office of the judge, a privilege for which he was indebted to the influence of Senator Wright. I understood. He was a gay Lothario, always boasting of his love affairs, and I had little to do with him.

(TO BE CONTINUED)

It is noteworthy, if not significant, that the era of Kansas' greatest prosperity dates from about the time the grain sorghums and alfalfa were first shown proper appreciation by her farmers.

With the Power Farmers

BY FRANK A. MECKEL

The Tractor and the Gas Engine Speed Up Many Farm Operations

Power farming is with us to stay. It has made great progress during the few years it has been practiced. Tremendous factories have sprung up to serve the power farmer, and they are responding to the call. The farmer, like the manufacturer has come to realize that the shortest and quickest way is the best way, other things being equal. Time is essential in farming, and all of the time which can be saved is money in the farmer's pocket.

There are still too many farms which are boarding surplus horseflesh. The horse has a place on the farm. He will never be entirely eliminated, but the tractor lightens his burden to such an extent that he can be more efficiently used in other operations than the heaviest farm work.

Surplus horses will not lift mortgages, but a few hogs, if fed upon the grain consumed by surplus horses will bring big returns. The hog made the corn belt in the early days, and he is going to stage a big "come-back." Tractors will play a big part in raising feed for the mortgage lifter.

Planning Farm Operations

Too much emphasis cannot be laid upon the need for the modern farmer to plan his operations with the utmost care. Farming is a business. The profits derived from it are to a large measure dependent upon the care with which it is operated.

Modern operations involve systematic crop rotations. If they are to be carried out effectively, the farmer must have modern machinery.

Good crop rotations are of material benefit in distributing farm labor more evenly thruout the year, in eradicating insects and other pests, in furnishing a balanced feed for livestock, in gathering nitrogen from the air, in preventing losses of fertility, in utilizing plant food most effectively, in keeping down weeds, in regulating the supply of humus in the soil, in supplying both deep and shallow-rooted plants and in maintaining a more regular income.

It is a good idea to have the farm carefully mapped and to have several maps prepared with the various operations in different fields carefully laid out several years ahead.

Operator Must Be Efficient

Today it is pretty generally conceded by unprejudiced people that there is a fairly large number of different makes of tractors on the market, any one of which will, if placed in the hands of a competent owner and operator, give excellent satisfaction and prove to be a paying investment. Yet these different makes of tractors are of widely varying types in design and construction.

If power farming is going to continue its popularity, and if the demand for tractors is going to grow year after year, it is absolutely essential that tractors already sold shall be successful in the hands of their owners, and that those farmers who are to buy tractors this year shall make the proper selection of their machines and then adapt their farms to tractor work and properly care for their machines.

Dilution of Motor Oils

An attribute possessed by certain oils which has been brought out by recent research work done in connection with lubrication, is the ability of those oils to resist the effect of gasoline.

W. F. Parish in speaking of this, says that some oils are very readily diluted by gasoline with the consequent result that the oil is either washed from the surfaces or diluted to such an extent that a poor seal results and the gas vapors that then leak by are readily absorbed by the oil and greater consumption of both gasoline and lubricating oil results. The oil becomes so thin that abrasion and wear take place. Bearings become heated and carbon deposits result with a consequent increase in cost of operation and upkeep.

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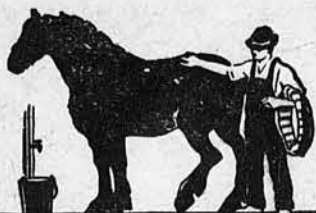
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Middle West Plains News

BY EARLE H. WHITMAN

AN EXCELLENT test of the value of electric lights as an aid in egg production is being carried on by Paul J. Seltman of Rush county, Kansas. Mr. Seltman has a farm light plant and has equipped one hen house with lights and left one unlighted. He reports that the small expense of equipping the hen house and operating the lights is a profitable investment, for he is getting a good egg production from the lighted house and none from the hens which have to depend on the sun for light. Mr. Seltman has a switch in his bedroom and turns on the lights every morning at 5 o'clock without getting up.

Christmas Money From Turkeys

With the end of the holiday season came reports of more high profits from flocks of turkeys raised by Kansas farmers and farmers' wives. Prices were good at Thanksgiving time, but increased considerably by Christmas, 34 cents a pound being received in many localities. At Cimarron, in Gray county, George Strawn sold a bunch of young toms that averaged \$8.32, while Mrs. Newsome, near Ingalls, received the largest check paid out at that market, amounting to \$237.50. Chris Johnson of Scott City gathered up 215 turkeys in Logan county and sold them to a produce house for \$1,001.54.

Everybody's Doing It—Culling

That the way of star boarders in Kansas poultry flocks is beset with dangers is well illustrated by the fact that George J. Burke, a Hutchinson poultry expert, reports that he culled this fall flocks totalling 40,000 chickens. This work was done mostly on farms in Rice and Reno counties. In a culling demonstration at Lyons, Mr. Burke graded a flock of 162 hens and culled out 40 as non-producers. Before the culling was done the flock was producing 50 eggs a day, and with the 40 "boarders" out the production was the same. This and even more striking instances have been multiplied all over the state during the past year, and should result in a much higher average profit from Kansas flocks.

A Farm Bureau's Good Work

A. W. Wise, president of the Sedgwick County Farm Bureau states that county agent work in Sedgwick county has meant about \$400,000 to farmers of the county during the past year. He figures this on what the growing of Kanred wheat, which was introduced and boosted by the Sedgwick bureau, has added to the pockets of the farmers. Sedgwick county now has the largest acreage of any county in the state, Mr. Wise says.

"Kanred is yielding quite uniformly 4 bushels to the acre more than other varieties," said Mr. Wise. "This year is has done even better, but counting the increase 4 bushels the man who has put out 100 acres, means a gain of 400 bushels at \$1 a bushel, or \$400 of al-

most clear gain. What does that mean in dollars and cents to the average farm bureau member? Last year 100,000 acres of Kanred was sown in this county. At a dollar a bushel this would amount to \$400,000 or \$114 for every farmer in the county."

Cash in Time of Need

This is the time of year when high-producing farm flocks are keeping their owners supplied with cash. J. E. McGee of Ford county, Kansas, reports that chickens are his principal source of income at present. He declares it is his experience that the farm flock, properly fed and cared for, will produce a fair profit at least 10 months in the year. He was able to show a small profit when eggs were only 10 cents a dozen last summer, and now his flock of 400 hens is producing \$7 worth of eggs daily, with a feed cost of only \$1.60.

Keeps Books on His Tractor

Albert W. Hoyer, a farmer in McPherson county, Kansas, keeps books on his tractor outfit. A 9-18 machine was purchased last spring. It is a one-man outfit and pulls two 14-inch plows. With this outfit Mr. Hoyer plowed more than 200 acres from 6 to 7 feet deep, and harrowed nearly the same acreage, using a 34-foot harrow. The tractor pulled a 10-foot binder to cut 160 acres of wheat and 40 acres of oats. Forty acres of corn ground was disked, and at wheat-sowing time the tractor pulled two drills. The outfit was used to drag roads, saw wood, and pull out thick hedge stumps. Mr. Hoyer says the tractor uses 1 gallon of gasoline in plowing 2 acres, 1 quart of oil a day, and 1/2 gallon of water.

New Dairy Record for Kansas

The highest cow in a cow testing association in Kansas was owned by Wallace Sheard of Clay county, according to the last monthly report issued by C. R. Gearhart, extension dairy specialist of Kansas State Agricultural college. This cow made 68 pounds of butterfat for the month. She produced in this period 1150 pounds of milk. This means that her test was higher than 6 per cent, which is an extraordinary test. The next highest cow made 60.6 pounds of butterfat and 2,020 pounds of milk. She is owned by William C. Mueller of Washington county.

Home Butchering Increases Profits

Two Sedgwick county farmers have found a way to market their hogs profitably according to E. J. Macy, county agent. Mr. Macy says H. C. Linnebur of Goddard, had five head of hogs weighing 250 pounds each. Upon finding the top of the market was \$8.50 and that second hogs were \$8, he sat down to figure out how he could get enough for them to pay for producing them. He decided upon the plan of butchering the hogs at home and sell-

ing the meat at the local butcher's. The butcher agreed to use the home supply at the same figures he had been paying. When the hogs had been butchered, the lard made and sold and the hams and shoulders delivered, Mr. Linnebur found he had received \$130 for butchering the hogs himself and selling the product.

B. B. Myer, a few miles west of Wichita, had 20 head of Chester Whites that were a little too heavy to bring the top price. He took five of them to market and got \$24 apiece for them, which was \$8 less than he figured they had cost him. He finally decided to find a market for dressed hogs among his acquaintances in Wichita. He was successful in finding buyers and marketed the other 15 head dressed. His returns were \$50 apiece when he had finished selling all the products, or a profit of \$26 a hog, or \$390 more for the 15 hogs than he could have obtained on the market.

Bees Should Be Fed Now

BY C. E. SANBORN

Entomologist, Oklahoma A. and M. College

The honey bee is about the only animal on the farm that does not hibernate that is inclined to store its own food for the winter season. Sometimes seasonal conditions or disorder in a colony will prevent a sufficient honey storage to maintain it thru the winter and past the late spring frosts.

Consequently, the owner should not permit any of his colonies to go thru the winter without proper care and sufficient food.

The best feed for bees is their natural food which is honey. Unfortunately, honey is not always available when they need it. Furthermore, honey shipped into a locality may not always be free from infection of such diseases as foul brood. Consequently, it is generally safer to make an artificial food than to use honey from the market. This can be easily made by putting sugar into an equal amount of hot water in a dishpan or tub. After this is brought into a solution and cooled sufficiently not to melt honeycomb, it may be poured into the latter.

Sixteen pounds or about 1 gallon of sugar and 20 pounds or about 2 gallons of water will be sufficient for making 36 pounds of sirup which is sufficient for wintering any ordinary sized colony of bees, even if they have no food supply of honey to begin with. Ordinarily a colony will have at least one or two frames of honey, 8 or 16 pounds.

During a warm day, when the bees are able to fly nicely, inspect the hives and ascertain the amount of food which they may need. If they have four or more well filled brood frames of honey, it is not likely that they will need any additional food. If they have less than four frames, it is advisable to remove as many empty brood frames as should be filled to give them sufficient stores for the winter and early spring.

Prepare enough sugar and water solution late in the day for all the colonies that need it. Place one end of an empty frame in the liquid and with a dipper pour the warm liquid into and fill the honey comb cells first on one side and then the other. Place the combs thus filled in a rack so that they will be held as in the hive. An empty brood chamber with a bottom board or hive cover to catch the drip is a good container. The filled frames may be easily carried in this to the hive or hives of bees needing them and placed therein while warm.

Little or no robbing will result on account of the feeding being done late in the evening.

When Building Dairy Houses

The United States Department of Agriculture, Washington, D. C., has just issued Farmers' Bulletin No. 1214, Farm Dairy Houses, which can be obtained free on application to the Department. In this bulletin plans and pictures are given of nine types of houses, suitable for farms having from 10 to several hundred cows; for dairies where milk is sold in cans or bottles or is made into butter; and for those using hand or power machinery. Farmers who are interested in any particular plan may obtain blue prints by addressing the Division of Agricultural Engineering of the United States Department of Agriculture, Washington, D. C.

A small gas engine will do much to lighten the chores this winter.

Cash for Poultry Letters

POULTRY and eggs were among the few farm products that did not suffer a serious decline in the heavy price slumps that came in 1921, and they were the last to be affected. This fact it seems ought to stimulate a greater poultry production in the state. The value of poultry and eggs sold in Kansas last year amounted to \$22,573,114, and the average farm income from these sources was \$137 a year.

In our Special Poultry Number of the Kansas Farmer and Mail and Breeze for January 28 we desire to publish a number of letters from farmers giving their experiences in marketing poultry and eggs whether for table use or for breeding purposes. Tell us how you grade, ship, and market your eggs. Write us about your poultry houses and equipment, and especially about your experience with incubators and brooders. What breeds of poultry have you tried and found profitable? What suggestions have you to offer on feeding and caretaking? Have you tried caponizing the surplus cockerels in order to market them to better advantage? Write us about your experience in raising and marketing ducks, geese, turkeys, pheasants, and guineas. Choose any topic you wish but mail your letter so that it will reach us by January 20. For the best letter a cash prize of \$5 will be given, and for the second best a prize of \$2.50 is offered. For the next three best letters a prize of \$1 apiece will be given. Address all letters intended to be entered in this contest to I. B. Reed, Poultry Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan.

Among the County Agents

BY RURAL CORRESPONDENTS

ARRANGEMENTS are being made in Doniphan county to ship in two or more carloads of grade or purebred Holsteins or Jerseys, according to F. H. Dillenback, county agent. He says that prices already have been obtained for grade animals and that he is expecting to get prices on purebreds soon. Mr. Dillenback says that a dairy cow is one of the most profitable animals that can be kept on the farm. He is asking farm bureau members and other farmers in the county, to leave their names together with the number of animals they would like to purchase.

Harvey County Will Test Cows

Plans are under way for organizing a cow testing association in Harvey county. A. B. Kimball, county agent, says that C. R. Gearhart, dairy specialist from Kansas State Agricultural college will be in the county January 16 to 17 to assist with the organization work. He is asking dairymen to investigate the possibilities of an association and arrange to join. He says that nearly enough farmers have already expressed a desire to become members, to make up an association.

Cherokee Will Have Poultry Show

The premium list is being prepared for the 1922 annual show of the Cherokee County Poultry association. The show will be held in Columbus, January 24, 25, and 26. A very successful show and poultry school was held last year, and Roy E. Gwin says a better one is expected this year.

Cash prizes will be awarded in all breeds and a large display of poultry of all kinds is promised. An educational program will be given along with the show as the purpose of the association is to promote interest and proficiency in growing more and better chickens. A complete program will be announced later.

Wireless Reports for Hodgeman

Before long the Hodgeman County Farm Bureau office will receive market reports by wireless telephone, for the benefit of farmers. This information they will get twice daily from the Kansas City and Chicago markets. The actual market receipts and prices will be sent to the Kansas State Agricultural college and will be sent from there to all of the county agents in the state. These reports will be available to every one interested, twice daily. In this way they will get accurate reports on receipts and prices in an hour or less after this fact is known at the market center and 24 to 48 hours sooner than the daily paper will give the news.

Poison Bait for Crows

A crow poisoning campaign will be put on in Harvey county this winter. A. B. Kimball, county agent, says that Otis Wade, biologist of Kansas State Agricultural college will help in carrying on the campaign. Several meetings have been held in different counties in which demonstrations have been given. It is planned to use grain treated with a new processed strychnine, which is tasteless and which works very slowly. Poisoned flesh baits may also be used, Mr. Kimball says. He states that the slow acting strychnine without taste has been very successful in poisoning crows which are very wary and hard to poison. The poison is so dangerous that the formula is guarded and ordinary persons are not permitted to have it.

Farm and Home Week

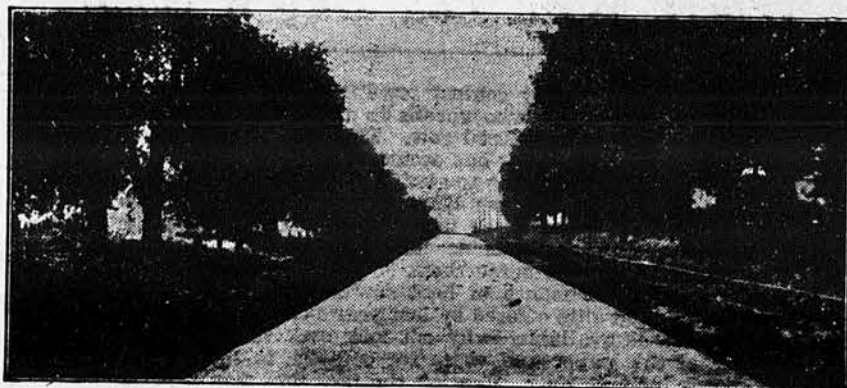
The silver loving cup given last year by the Kansas State Agricultural college to the county best represented at Farm and Home week, will be given again this year. The cup is a large one, about 14 inches high and 10 inches in diameter. The cup will be awarded to the county having the largest number registered at Farm and Home Week, considering the mileage traveled. A committee consisting of Karl Knaus, county agent leader; L. E. Call, Professor of Farm Crops, and Miss Nina B. Crigler, home demonstration

agent leader, has been appointed to draw up regulations for the contest.

Leavenworth county won the cup last year and will make strenuous efforts to hold it this year. The Marshall County Farm Bureau has announced that it is already making plans to have a big representation at Manhattan, with the object of winning the cup. It becomes the permanent property of the county winning it three times in succession.

Bourbon Farmers Strong on Dairying

The quantity of milk being received daily at the condensery at Fort Scott is about one-third larger than the quantity received at the same time last year, says A. C. Maloney, Bourbon county agent. According to the report about 30,000 pounds of milk a day are coming in to the condensery as compared with about 20,000 pounds at the same time last year. According to Mr.



Bourbon County is Noted for Its Many Excellent Graded and Paved Roads Which Have Done So Much to Build Up Its Dairying and Farming

Maloney, Mr. Davidson, superintendent of the condensery, reports that new machinery has arrived to be installed in the condensery, which will materially increase the production of the plant. Mr. Maloney says there has been a considerable increase in the number of patrons of the plant during the last few months and that the prospects for an increased business are very bright. The many excellent roads leading into Fort Scott have greatly simplified for dairymen, the problem of getting their milk to market.

Chanute to Have Dairy Show

A big dairy show and contest will be put on at the Neosho County Fair in Chanute next year, according to C. D. Thompson, Neosho county agent. He says that the Neosho County Farm Bureau, the bankers of the county and different business men's clubs of the cities, will co-operate to put on the

show. Every organization will appoint one committeeman and the fair executives will appoint one as a program committee for the purpose of promoting the show and contest. Funds sufficient to give \$1,000 in awards will be raised. All judges are to be persons appointed by Kansas State Agricultural college. The show will include both exhibits of dairy animals and contests in the production of butterfat, milk and other dairy products. This will be made an annual feature of the fair.

Farmers Put Up Meat

Because of their reduced buying power, farmers are using every means to save the expenditure of money. More farmers are putting up enough meat this winter to last thru the year than ever before. Thru improved methods of curing and canning, a superior quality of meat is being obtained and with less danger from spoiling.

Many are using the dry cure used by F. P. Lund, Meats Specialist of the United States Department of Agriculture, which is as follows: The cuts of meat are first rubbed with salt and left to drain for a few hours, flesh side down. They are then wiped off, and packed, skin side down in a barrel or

box, after rubbing well with the following mixture, which is enough for 100 pounds of meat:

4 pounds of salt
8 1/2 pounds of sugar or sirup
2 ounces of saltpeter
3 ounces of black pepper
2 ounces of red pepper

Use all of the mixture that will adhere to the meat when packing, and let it remain in the cure for three days. Then remove it, rub on the remainder of the mixture, and repack. Leave the meat in the cure two days for every pound of meat in every piece; that is a 15 pound ham should remain for 30 days. After removing from the cure, wipe dry, smoke to taste and hang in a dry place in sealed bags to prevent entrance of insects.

The complete process is given in Farmers Bulletin 1186, which may be obtained from the County Farm Bureau office, or from the United States Department of Agriculture, Washington, D. C.

A Squawk From Wall Street

THE announcement from Chicago that the newly revived War Finance Corporation "is willing to lend farmers 75 per cent of the value of their grain and to renew the loans for three years, if necessary, in order that they may hold for what is regarded as cost of production," leads the New York Times to remonstrate that "the use for such purposes of funds intended to promote exports is open to criticism."

The purpose of the revival of the activities of the War Finance Corporation, however, which was one of the wicked agricultural bloc's measures, was and is to help agriculture in this time of its greatest historic depression. The Times remarks that "wicked Wall Street men" made up a pool of 50 millions for the relief of cattlemen, tho the pool was recently dissolved. It appears to think that Wall Street can be depended upon to support agriculture adequately, without looking to the Government.

It is true that Wall Street interests made up a cattle pool, tho only after being urgently pressed in the matter, and then with long delays, and the pool did not have a protracted period of life. Wall Street more readily and promptly proffers its aid to weak Wall Street institutions. Not long ago one of the greatest trust companies of New York was reported to be on the rocks. Wall Street rallied to the rescue and the banks of New York were assessed by a power greater than public opinion or the Government itself in such matters, to the extent of 200 million dollars to place this company again on its feet in an upright position.

When banks can be unofficially and privately assessed, without the action of their stockholders, for such a sum to bolster up a single busted financial institution, and if this is a legitimate use of the money of stockholders in several institutions for the benefit of creditors or stockholders in another institution, directly under the eyes of the Times, is not that Wall Street spokesman a trifle fastidious in questioning the use of the War Finance Corporation funds in helping farmers to obtain cost of production for the Nation's food?

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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.

Name.....

Address.....

The Income Tax and You

BY H. H. MOTTER

[Mr. Motter is Collector of Internal Revenue for the District of Kansas, with headquarters at Wichita.—Editor's Note.]

The Internal Revenue act of 1921 contains two new and important provisions, which are the subject of frequent inquiry. The first relates to the personal exemptions allowed married persons, and the second to the provision requiring that a return be made of gross income of \$5,000 or more.

The act provides that a married person, living with husband or wife, whose net income for 1921 was \$5,000 or less shall be allowed a personal exemption of \$2,500. If the net income of such person was over \$5,000 the exemption is \$2,000. Under the Internal Revenue act of 1918 the personal exemption allowed a married person was \$2,000, regardless of the amount of net income. The normal tax rate remains unchanged, 4 per cent on the first \$4,000 of net income above the exemptions and 8 per cent on the remaining net income.

In order that an income slightly in excess of \$5,000 shall not be subjected to an inordinately disproportionate tax because of the reduction of the exemption to \$2,000 thereon, the law provides that such reduction shall not operate to increase the tax, which would be payable if the exemption were \$2,500, by more than the amount of the net income in excess of \$5,000.

For example, on a net income of \$5,010, the tax, without this saving clause, would be \$120.40, which is 4 per cent on \$3,010, the amount of net income less an exemption of \$2,000. The actual tax is \$110.40, computed as follows; from the net income of \$5,010 is deducted \$2,500, leaving \$2,510, the 4 per cent tax on which amounts to \$100.40. To this is added \$10, "the amount of net income excess of \$5,000."

The personal exemptions allowed married persons apply also to the head of a family, a person who supports in one household one or more relatives by blood, marriage or adoption.

Heretofore, a person whose net income was less than his exemption, \$1,000 if single, or \$2,000 if married, was not required to file a return. Under the Internal Revenue act of 1921, if the gross income of an individual equaled or exceeded \$5,000, or if the combined gross income of a married couple and that of dependent minor children equaled or exceeded \$5,000, a return must be filed, regardless of the amount of net income.

"Net income" is gross income, less certain deductions. The fact that allowable deductions from gross income, for business expenses, losses, and bad debts, may reduce the net income to an amount below the personal exemptions of \$1,000 or \$2,000, does not alter the requirement to file a return of gross income, if such gross income equaled or exceeded \$5,000.

Cost of Stopping a Train

Floyd W. Parsons, in the World's Work.

An ordinary passenger locomotive consumes a pound of fuel for every 52 feet it travels. Every unnecessary stop, made with a heavy freight or passenger train, represents a fuel loss of from 500 to 700 pounds of coal, depending on the weight of the train, the length of the stop, and the grade conditions. A brake-line air leak on a train of 50 freight cars has been known to cause a loss of as much as 2,540 pounds of coal in a 10-hour period. The loss of coal every time a modern locomotive pops off for 5 minutes is about 75 pounds. If locomotive firemen were to save a little more than one shovelful of coal out of every ton used, the total saving would be equal to nearly 1 per cent of all the coal handled.

Poor Cream Cuts Butter Price

One can of poor cream may and often does in fact depress the price of a shipment of butter from a creamery receiving and using the tainted product. There was a difference in price of from 10 to 15 cents a pound between 92 and 88 scoring butter last fall and winter. Every can of cream that may be of bad flavor on account of age and uncleanliness should be inspected at the creamery. The owner should be shown the loss that can and does occur in the sale of all the butter from even one can of poor cream. Every buttermaker should school himself in talking to his patrons on the condition of their cream and in urging high quality.

Capper Pig Club News

Here's an Interesting Story—Big News Next Time

BY EARLE H. WHITMAN
Club Manager

PICTURE the club managers' desks, piled high with final contest reports, letters with checks to pay club notes, applications for membership in the club for 1922, recommendations from boys who seized the first opportunity to join, together with various odds and ends pertaining to the conduct of the Capper Pig club. Then you'll understand that, as a certain well-advised cereal says, "There's a reason"—for our failure to give this time the names of the winners for 1921. We were especially eager to have this story contain the big news, for next week the Capper Poultry club manager will tell what the girls did last year. Well—the pig club will be there in full force in the issue for January 28, and in the mean-

"I weaned the pigs when they were 2 months old. I fed them better at this time and cut down the feed of the sow for a week or so. I found that feeding stock tonic helped to make the pigs grow faster. It kept the worms from their systems and made them healthy. I also washed and dipped my sow and pigs quite often to keep them free from lice and skin diseases.

"The extra care I gave my hogs did some good, as they outgrew my father's Durocs. The Durocs were receiving the same feed but they lacked the care that my hogs were getting. Taking good care of them was profitable to me, because folks looking at them would want to buy them and would ask me how it was that my hogs

Where Will You Buy a Sow?

WHERE shall I buy my contest sow?" usually is the first question that occurs to a boy who enrolls in the Capper Pig club without already owning a registered sow. This question comes to the club manager countless times, and it has occurred to me that these boys should have an opportunity if they wish to avail themselves of the service offered by the livestock fieldmen of the Kansas Farmer and Mail and Breeze. These men are in constant touch with the breeders of the state and attend nearly all the best sales held. They are greatly interested in club boys and would be glad to serve them.

February will be the month of bred sow and gilt sales. If you have not found in the bred gilts offered by last year's club members—and a new list of these now is available—why not look over the livestock advertising columns of this paper and write for catalogs to the breeders whose advertisements interest you? Mention the fact that you're a Capper Pig club boy and I believe you'll receive special attention. When you've looked over the catalogs thoroly and decided where you wish to buy, write to me and tell me just what kind of contest sow you want—what breed, whether sow or gilt, when to farrow, maximum price you wish to pay, and any other details that occur to you. Be sure to give the name of your shipping station. Such a letter will be considered a buying order and turned over to J. W. Johnson or J. T. Hunter, the fieldmen who have volunteered to do this for the boys. Such order should be received as early as possible, as Mr. Johnson and Mr. Hunter will then have a better chance to get just what you want.

time the boys who were fortunate enough to win will be notified.

Because the heads of the club managers are full of thoughts of final reports and stories, we decided to let one of the boys who made enviable records last year tell you something about his work. Here's the contest story of Lauren Rumsey of Morris county:

"When I bought my Spotted Poland China sow I had in mind the intention of joining the Capper Pig club for 1921. I gave \$95 for the sow, which is a good price, but I don't think I will lose a cent on her. She is an ideal brood sow and the kind that is sure to be profitable.

"I began to keep a record of the cost of the feed for the sow March 17. Lady Royal II is my sow's name. She was due to farrow April 24, so I took every precaution possible to see that I got a good litter of pigs. I didn't feed her very heavily, especially of corn. The main ration I fed her daily was alfalfa hay, 1 pound of shorts, 1 pound of oats and a little tankage.

"At farrowing time, which was in the afternoon of April 24, I first saw that she had a good shed and a place to lie. She farrowed on Sunday and I had company but my company didn't keep me from caring for my sow. Well, she farrowed 10 fine pigs, seven sows and three boars. One sow died, but I saved the rest and they certainly have done well.

"Gradually I increased the feed for my sow, also began feeding her more corn. I didn't have any milk for her but she seemed to do well. The pigs grew rapidly and all were around the board at chewing time, which seemed to be rather regular.

"My sow had a good disposition so naturally the pigs weren't wild. I began at the very first to tame them. I would rub them, and treat them kindly. When they were a month old I had them so they would all lie down when I scratched them. I would scratch one and the rest would all lie down around me until I was surrounded by Spotted Poland China pigs.

were doing better than the red ones.

"During December I sold five of my pigs for \$150. The feed and interest on the money amounted to nearly \$30. I have three gilts and a boar left, also the old sow and my seven fall pigs, so I consider that I have done well. While in the club I have learned much about hogs, their care and feeding. The work has taught me to be more accurate in business, and along with this I have had much enjoyment out of it."

With breeding stock even more reasonably priced than a year ago, and with a plentiful and cheap supply of feed, is it any wonder that Kansas boys are rushing to join the Capper Pig club for 1922? Counties are filling up rapidly, and it isn't safe to wait if you expect to enroll. Send in your application now, and have plenty of time to locate a good sow. Pig club applications should be sent to Earle H. Whitman while girls desiring to join the poultry club should send their applications to Mrs. Lucile Ellis. We're both at the Capper Building, Topeka, Kan.

The largest Catholic church in existence is St. Peter's at Rome. The building covers nearly 4 acres of ground and is said to have been the scene of the torture of Christians by Nero and the martyrdom of St. Peter.

Capper Pig and Poultry Clubs

Capper Building, Topeka, Kan.

I hereby make application for selection as one of the representatives of..... county in the Capper..... Club.
(Write pig or poultry club)
Signed..... Age.....
Approved.....
(Parent or Guardian)
Postoffice.....
R. F. D..... Date.....
Age Limit: Boys 12 to 18; Girls, 10 to 18

National Western Stock Show

Entries for the National Western Stock show are practically all in despite early fear in some quarters that general conditions of the industry might hold down entries. The 1922 National Western Stock show, to be held January 14 to 21, in Denver Colo., promises to be bigger and better than ever. In many of the departments, notably the dairy section and in carloads of fat hogs, the entries are considerably larger than a year ago. In most sections entries are fully as large as they were last year, and the show management announces that all divisions will be well filled.

In the feeder cattle division the entries are larger than a year ago, showing a total close to 125 carloads. In quality this division of the show is expected to eclipse any former exhibition, due to the abundance of feed available everywhere for carrying the stock thru to show time. General improvements in the quality of the stock on the Western ranges will also be in evidence.

Carload fat cattle entries are larger also, than a year ago, while entries of carloads of sheep are of about the same volume as 1921.

"We are highly pleased with the prospect for the big show," said General Manager Harry L. Youngerman last week. "The entries are large in all departments and all classes will be well filled. Many of the classes are larger than they have been for years, and all are bringing forth splendid competition. Not in years have we been able to offer to the show visitors such an evening horse show as we will give them this year. With the railroad rates from all over the West reduced for the first time in four years, we look for a very large attendance at the coming show, and I have no hesitation in saying it will be well worth a visit from all those who can possibly attend."

Weigh Milk and Test It

Every owner of dairy cows should know if his cows are giving enough milk or butterfat to make a profit over the cost of feed. A scale to weigh the milk in the barn can be bought for \$4. It takes only a few minutes a day of extra time to weigh the milk from every cow and write the weight on a milk sheet tacked up in the barn. Once a month a sample of milk can be tested. Any creamery, ice cream factory, or cream station will usually be glad to do this testing. Every school house can be equipped with a tester at very little expense and the boys at school can do the testing.

A profitable cow should produce 6,000 pounds of milk or 200 pounds of butterfat in 300 days. Are your cows all profitable? Why not find out? Is milking dairy cows a business proposition with you? If so, why not apply business methods?

More Clover and Less Corn

More clover and less corn will be grown in the Middle West in 1922 as a result of a conference of representatives of farm bureaus in that section held in Chicago recently. Illinois, Indiana, Iowa, Missouri and Kansas delegates were present. It was pointed out that the enormous overproduction of corn this year had resulted in the price dropping to a point below cost of production to the serious disadvantage of the farmers.

A campaign will be launched at once pointing out to farmers the necessity of replacing portions of the corn acreage with legumes such as alfalfa, clover and soybeans in the interest of good farm management and a reduced corn surplus in 1922.

Give Cows a Chance

Put the cow to work and she is the most efficient money maker on the farm today. A cow producing 25 pounds of 4 per cent milk daily makes 1 pound of butterfat a day worth about 50 cents. This cow needs rations and hay and silage which should not cost more than 15 cents daily, leaving 35 cents daily above the cost of her feed. Where can you invest your time and efforts to better advantage? Give your cows a chance. They are all capable of doing better when properly fed.

Unemployment in England is officially estimated at 1 1/4 millions.

The World Needs More Milk

Cows Make a Good Investment on Any Farm

BY J. H. FRANDSEN

THE International "Milk Pool" illustration from the exhibit of the Bureau of Markets shows very cleverly the world's supply and demand for milk. The streams flowing into the pool represent the world's surplus and the streams draining the pool represent the principal demands by countries not producing enough dairy products to take care of their own needs.

Practically the whole world depends upon the dairy production of the United States, Canada, Denmark, The Netherlands, New Zealand, Finland, Australia and Argentina for its milk supply. Among the principal countries importing large amounts of milk and milk products are England, Belgium, Cuba, France, Sweden, Japan, Egypt and British India.

Ninety Billion Pounds of Milk

The amount of milk in this pool represents billions of pounds. However, when figures get up into the millions or billions most of us fail to visualize just what is meant, and so when somebody tells us that last year the United States produced 89,653 million pounds of milk, we nearly all fail to comprehend just what that means. Perhaps the immensity of these figures

can be supplied in the ordinary way.

Kansas farmers who have studied the dairy situation are quite convinced that the dairy cow can be counted on for returns year in and year out more steady and satisfactory than can be expected from other lines of farming. They also know that corn and small grain are often seriously affected by drouth, heat, frost or hail, rendering these crops more or less uncertain. Fortunately, however, alfalfa and corn and cane for silage purposes, Sudan and other forage grasses, the very crops needed by the dairy cow, are practically sure crops in Kansas.

Abnormally high freight rates make it practically impossible to ship these bulky articles long distances to market with anything like a profit after freight has been paid. But by marketing these feeds in the form of highly concentrated articles like milk, butter and cheese, not only are freight charges reduced to the minimum, but better returns are assured than could otherwise be secured. These crops marketed in the form of milk and milk products will go a long way towards smoothing over the rough road of readjustment which farmers are traveling at present. Dairy products will now, as in the past, provide nec-



can be brought home to us most effectively by the use of a few simple illustrations.

Let us therefore suppose that all the milk produced in the United States in one year was poured into a canal 10 feet wide and 10 feet deep. This canal would have a total length of 2,639.52 miles. In other words, we would have a "milky way" reaching almost across the continent. To put it a little differently, if this milk in cans were placed in freight cars, and if 20 tons of milk were put in every car, we would have a train 16,980 miles long. This train would reach five times the distance from New York to San Francisco, and back to Kansas.

Dairy Products in Kansas

Take the amount of milk produced in Kansas in a year, which according to the last census figures, is 221,454,417 gallons. This amount of milk would fill a canal 5 feet deep and 5 feet wide running the entire width of the state from north to south. Using the same figures, this milk, if put into 10 gallon cans, and these cans placed side by side, would make a line of cans long enough to encircle the state practically five times, or they would build a wall approximately 11 feet high, around the entire state.

But I have attempted only to give you an idea of the size of the "stream" coming from the United States in the illustration. You will note that there are a number of large streams traceable to other countries. Surely this seems like an enormous quantity of milk, and yet, big as it is, there are many children in our land who have not as yet had the privilege of drinking milk—a food without which the American boy or girl has little chance to grow up as perfect specimens of men and women.

There is not only now a need for more milk and dairy products by the children of the world, but most adults are just beginning to appreciate the desirability of using more cheese and butter and less of other foods, all of which points pretty conclusively to the fact that there will continue to be demand for all the dairy products that

essary funds for grocery bills and other urgent expenses, funds which will be a welcome addition to the family income at a time when they are most needed.

It is true that relief measures of many kinds are on foot to help the farmer out of his present difficulties, but it takes time to change banking regulations and to obtain Congressional legislation, even if agricultural leaders in Congress are straining every nerve to get early action on these matters.

Dairy Profits are Dependable

When an easier money market does arrive, and prices look up, the man with dairy cows on his farm will still find himself ahead, if we may judge the future by the past. The demand for dairy products in this country as well as in other parts of the world has made a steady climb during the past two decades, and there is every reason to believe that this demand will continue to increase in the future at even a greater rate. The world's leaders in science, the best physicians and food experts, as well as the teachers in our public schools and county and city health leaders, are all preaching the value of milk and milk foods. This education of the American people which has been going on for some time has already brought results, in the increased demand for milk, butter, cheese and ice cream for home consumption. In fact, it is not unreasonable to forecast demands for dairy products far in excess of the present contents of the International "Milk Pool," which of course means that the farmer may continue to anticipate best returns for farm products sold thru the dairy cow.

Five Big Papers—\$1.00

Capper's Farmer, the biggest and best monthly farm paper printed, Woman's World, Mother's Magazine, Household and Gentlewoman—four big monthly woman's magazines—all five, one year for only \$1.00, regular price \$1.45. Send \$1.00 to Capper's Farmer, Dept. 90, Topeka, Kansas.—Advertisement.



Profit From Your Cows

—that's what counts, doesn't it?

YOU keep cows for one reason only—for profit. But not all cows are profitable; some constitute an actual deficit at the end of the year. Many a cow that has every reason to produce profitably joins the ranks of the "poor milkers" just because her milk-making organs are below par.

Make no mistake about this—there are scarcely any so-called "poor milkers" that cannot be made to yield normally and profitably by the medicinal aid furnished by Kow-Kare, the great cow medicine. Every dollar spent for Kow-Kare will put itself and something besides, back in the milk pail.

Kow-Kare is a cow medicine—not a stock food. It has positive medicinal qualities that act vigorously on the genital and digestive organs and make them function naturally. For a quarter century this famous medicine has been widely used as a preventive and unfailing treatment in such cow diseases as Barrenness, Abortion, Retained Afterbirth, Scouring, Bunches, Milk Fever, Loss of Appetite, etc.

Keep close watch on every one of your cows; at the first sign of falling milk-yield, use Kow-Kare according to directions and watch the results. Write us today for free copy of our valuable book, "The Home Cow Doctor."

Kow-Kare is sold by general stores, feed dealers and druggists, at the new reduced prices—65c and \$1.25

Dairy Association Co., Inc.
Lyndonville, Vt.

"Penny-a-day Prevention."

Thousands of successful dairymen use Kow-Kare regularly a part of every week during the winter to keep the assimilation and digestion in good order and throw off disease. Many of the most serious disorders that arise during the milking period can be prevented by using Kow-Kare for a couple of weeks before and after. Don't overlook this suggestion.



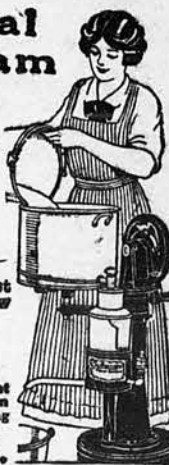
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Thousands in Use giving splendid satisfaction justifies investigating our wonderful offer: a brand new, well made, easy running, easily cleaned, perfect skimming separator only \$24.95. Skims warm or cold milk closely. Makes thick or thin cream. Different from picture, which illustrates our low priced, large capacity machines. Bowl is a sanitary marvel and embodies all our latest improvements. Our Absolute Guarantee Protects you. Besides wonderfully low prices and generous trial terms, our offer includes our—

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Whether dairy is large or small, do not fail to get our great offer. Our richly illustrated catalog, sent free on request, is a most complete, elaborate and interesting book on cream separators. Western orders filled from Western points. Write today for catalog and see our big money saving proposition.

American Separator Co., Box 1092, Bainbridge, N.Y.



Boys French Harp!

This imported French harp has double notes accurately tuned and is just what every boy wants. Each harp comes in a handy telescope container and will be sent to you free for a club of 2 one-year subscriptions to Capper's Farmer at 25c each—a 50c club.

CAPPER'S FARMER, Topeka, Kan.

Smoke House

HERE at last is a practical, common-sense portable smokehouse at a remarkably low price. Made entirely of metal, light and easy to move, a wonderfully fine storage place for your meat after it is smoked. Smoke must pass through a long pipe and is thoroughly cooled before reaching meat chamber. Made in 3-hog 5-hog and 10-hog sizes for farm use. Can be used anywhere. Built to last a lifetime. Absolutely safe and fire-proof. Hooks for hanging meat furnished. Screened openings provide ventilation when used as storehouse; vermin and insect-proof.

Valuable Book Free! Tells you how to double hog profits by killing, curing and selling your pork; \$30 for a hog that will bring you \$14 on the hoof! Free, no obligation. Write for it.

We Pay the Freight on the Empire Portable Smokehouse. No expense to you except the low first cost. The lowest priced portable smokehouse built. 3-hog size only \$23. Write today for all the facts, or order from this announcement. Satisfaction guaranteed.

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Our Kansas Farm Homes

Mrs. Ida Migliario
—EDITOR—

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.

Chocolate Cream Candy

I would like a recipe for chocolate cream candy.—M. C. M.

To make chocolate cream candy one must first make the fondant which is the foundation. Mix 1 cup of sugar, ½ cup of water, and ½ teaspoon of cream of tartar, stir, and heat gradually to the boiling point. Boil without stirring to the soft ball stage. Wash off sugar from sides of pan with fork wrapped in cloth and dipped in hot water. Pour onto plate wet with cold water. Sprinkle with cold water. Let cool, then beat with wooden spoon until white and creamy. Knead with hands until perfectly smooth. Place in a bowl, cover with a cloth which has been wrung out of water, but do not let cloth touch the fondant. Cover with heavy paper. Fondant may be kept indefinitely in this way.

To coat fondant with chocolate, melt 1 pound of chocolate over hot, not boiling water. Add 1 level tablespoon of melted butter, olive oil or any salad oil to the melting chocolate. Pour the mixture into a shallow bowl, and stir with the fingers until the chocolate around the edge of the dish begins to harden. Then dip the molds of fondant, which have stood overnight in the chocolate and cool before packing.

Cleaning Aluminum Ware

Would you please tell me of some way to clean my aluminum ware?—Mrs. H. K.

First wash thoroly with water and soap, then polish with a small bunch of steel wool. The aluminum should be clean and bright. Steel wool may be purchased at any hardware store and is inexpensive.

Canvas Gloves Hang by Range

If you bake foods in the oven of an old-fashioned wood or coal range, as I do, perhaps you will appreciate this hint which I have found helpful for middle-aged joints prone to stiffness.

Instead of stooping to consult the oven contents, I have a stool nearby and sit down. The stool fits under the stove projection made by the reservoir. It also has a rung under which I put the toe of my shoe to draw it into position when I want it, so no stooping is required either to pull out the stool or to investigate the oven contents.

Another aid in hot oven work is a pair of canvas gloves with long, stiff gauntlets. I have a pair near the stove, hanging by small brass rings sewed to the cuffs. While drawing out the stool with my foot, I reach for the gloves with my hand and adjust them as I drop on the stool. Then I am prepared to shift hot pans and put my hands into the oven heat without getting burned. Bertha L. Smith.

Tale of Two Pieces of Cake

Here is a letter we received from a young man recently: "I was taking dinner at 'my girl's' home one evening. Conversation at the table was lively and I was so absorbed in it that I did not notice when I took 'my girl's' piece of cake, which had been placed close to mine. I had consumed mine before taking hers."

"You can imagine my embarrassment when the fact became known. I assured the folks that it was unintentional, but to no avail, they continued to joke me. They joke me about it even today. I have been careful since then, too. But I think it would be a good idea for 'my lady' to have one of those little booklets on table etiquette which has been advertised in the Kansas Farmer and Mail and Breeze. For, had that cake been in the proper place I would not have made such an embarrassing mistake. 'I'd advise all girls to get one of

those pamphlets today and study the rules. It might save their gentlemen friends some embarrassment."

The pamphlets on dining room etiquette mentioned in this letter sell for 15 cents each. They may be obtained from the Dining Room Etiquette Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan.—Adv.

Floral Notes for January

BY BERTHA ALZADA

In January the days begin to lengthen, the sun gets stronger, and plants in the house take on new life. They are easier to care for from now on, but if we do not watch them, they are likely to grow rank and soft. This is especially injurious to those plants which we want to set in beds in summer. If kept rather dry and if soft growth is prevented, the plants will suffer less check when transplanted outside. Give these plants as much light as possible, and pinch all branches that grow too long. Do this with geraniums and verbenas, and other branching plants of similar nature.

The red spider is likely to be bad on verbenas, violets, fuchsias and callas. Use water freely on these plants, and keep the foliage clean. After washing, be sure to leave no water to gather on the tips of the leaves for this will tend to cause decay and withering. If you cannot shake the leaves free from water, wring a wet cloth as dry as you can and pass it along the tips of the leaves to absorb the moisture.

Orders for flower seeds should be sent to a good reliable seed house

early. Pansy seeds should be sown the last of this month or the first of February. They will grow in a light window into strong plants, not having a tendency to grow tall or weak in the house, as some seedling plants do. Petunias, salvias, annual phlox, snapdragons and stocks can be planted at the same time, if you wish, and will only need one transplanting to keep them healthy until planting time.

You can plant cuttings of all your geraniums when you need to cut out the tips, and they will root if put in a flat in half sand and half soil. Do not water these heavily—just enough to keep them from wilting.

If the weather is warm at any time this month and the ground thaws, it will be a splendid time to transplant hardy stock.

The hardy bulbs which have been blooming in the windows during the winter can be ripened and either set out in the garden or the pots can be kept until next fall in the cellar and then the bulbs set outside. Hyacinths and tulips, and all hardy bulbs except white narcissus should be saved.

Presses Ties Over Pasteboard

I should like to tell the women who read the Farm Home Department how I press my husband's ties.

Cut a piece of pasteboard the same size as the tie. Slip the pasteboard inside of the tie, and cover it with a damp cloth. Press with a warm iron. Remove the pasteboard, and the tie will look as good as new. Harper County. Mrs. W. P. B.

Farm Home News

BY MRS. DORA L. THOMPSON

Recently a Wisconsin paper contained a few paragraphs written in appreciation of a rural mail carrier. This carrier, it seems, was prompt, always had change for one's quarter and had a pleasant word and a smile for everyone. The carrier replied, expressing his gratitude and giving some hints for patrons.

He said a carrier could smile much easier if the rural patrons would provide themselves with a supply of stamps. This would save the trouble of pulling off a glove in the cold and pawing around in the mail box for pennies. He also suggested that it was easier to get mail from a box set out on a board on top of a post. One can drive closer and reach the box without much stretching.

It is astonishing how many things may be made from left-over pieces of wall board. Given several small pieces and two whole boards, a few strips of 2 by ½ inch wood, and a hammer and nails, a woman is limited in making things only by her imagination.

Left Over Wall Board Utilized

One who had such equipment began by making a small chest. The wall board was covered with oilcloth wall paper and the slats of wood were stained with some left-over mahogany stain. A smaller chest was made for the young daughter's doll clothes with a division for toys and playthings. Two waste paper baskets were made of the same materials. From smaller pieces, a letter file was constructed. Covers for children's scrapbooks were made by pasting paper on the covers and punching holes for lacing the two boards together.

This is the month in which we generally can pumpkins. Usually we can keep the pumpkins until this time. If the pumpkins contain any bad spots, we find the whole pumpkin is tainted. Only sound pumpkins are fit for use or for canning.

It is an easy matter to steam a half pumpkin, scrape out the inside and fill a sterilized can. This is light colored like the commercially canned pumpkin. There is considerable difference in such pumpkin and that cooked in an open kettle and stirred until all moisture is evaporated. This pumpkin has a rich flavor and makes better pies. For the small amount that we can, we prefer to use the slower method.

Doesn't Can Neck Meat

We think we have learned one lesson in the canning of meat. The neck or parts that contain clotted blood are better used otherwise than for canning. For two years, we have tried soaking out the blood and canning the meat. Each time, those cans of meat spoiled. Last year, two neighbors reported a few cans of spoiled meat. Inquiry developed the fact that those particular cans contained the bloody neck meat. Such meat may be soaked and used in mince meat, and then canned.

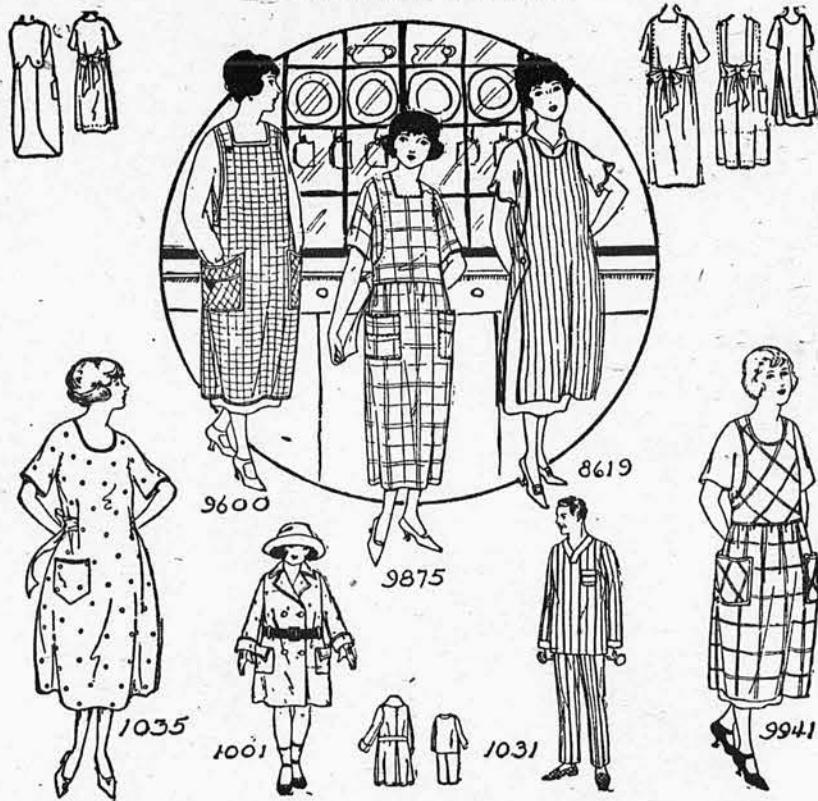
A recipe for muffins concocted in a hurry has met with the children's favor, and now they prefer muffins in the school lunch instead of cake or cookies. One egg, salt, ½ cup of sugar, 4 tablespoons of melted butter or lard, 2 cups of flour, 1 cup of sour milk and ½ teaspoon of soda are the ingredients. Sometimes we use 1 cup of graham flour and sometimes we add raisins or nut meats.

When raisins are added, they remind us of a sort of cooky we had as children, one the English call "kern biscuit." It is made much as our sour milk biscuits are made, only richer and with a little sugar and raisins added. Some persons add spices for variety.

Aprons! Aprons! Aprons!

This Girls' Coat is Easily Made

BY MRS. HELEN LEE CRAIG



9600—Women's Apron. The front and back of this apron are cut in one with the back extending to the waist, fastening to the front at each side. Sizes 36, 40 and 44 inches bust measure.

9875—Women's House Dress. Plaid gingham and a few yards of washable braid make this neat apron. Large pockets lend attractiveness. Sizes 36, 40 and 44 inches bust measure.

8619—Women's Apron. This slip-on apron makes a protector for the good dress. One size.

1035—Women's Apron. Colored bias tape makes ideal trimming for this slip-on apron. Sizes 36, 40 and 44 inches bust measure.

1001—Girls' Coat. Sister may have a new wrap made from mother's old one. Sizes 4, 6, 8, 10, 12 and 14 years.

1031—Men's and Boys' Pajamas. The coat of these pajamas is made to slip over the head and eliminates a front closing. Sizes 14 and 16 years and 36, 38, 40 and 42 inches bust measure.

9941—Women's Apron. Besides being practicable this is a dainty and most becoming apron. Sizes 36, 40 and 44 inches bust measure.

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

The Poppy Land Express

The first train leaves at 6 p. m.
For the land where the poppy blows.
The mother is the engineer,
And the passenger laughs and crows.

The palace car is the mother's arms;
The whistle a low, sweet strain.
The passenger winks and nods and blinks
And goes to sleep on the train.

At 8 p. m. the next train starts
For the poppy land afar.
The summons clear falls on the ear,
"All aboard for the sleeping car!"

But "What is the fare to poppy land?
I hope it is not too dear."
The fare is this—a hug and a kiss,
And it's paid to the engineer.

So I ask of Him who children took
On His knee in kindness great;
"Take charge, I pray, of the trains each day
That leave at 6 and 8.

"Keep watch of the passengers," thus I pray,
"For to me they are very dear;
And special ward, O gracious Lord,
O'er the gentle engineer."

Club Has Scholarship Fund

The Homemakers' Club, of Effingham, which attracted much favorable comment at the first district convention of the federated women's clubs recently, feels it owes its existence today to Mrs. H. B. Walter, now of Benda, who is really the mother of the



Mrs. H. B. Walter

club movement in Atchison county. Mrs. Walter served as president of the organization for four years.

The Homemakers' Club is now one of the homiest and most interesting of the many clubs of Atchison county. At the last meeting, after hearing the report of their delegate, the members voted unanimously to send \$5, the customary club donation, to the scholarship fund. This fund is one of the pet projects of the federation and, at present, amounts to more than \$17,000. This money is lent without interest to young women to secure an education.

One hundred and sixty-nine girls have paid back their loans in full, and 101 girls are using the fund. Not one dollar has ever been lost.

Mrs. C. M. Madden.

Atchison County.

Should Mother Be the Judge?

I believe one of the most difficult problems for parents to solve is what age their daughter should be before having men callers, and the proper chaperoning of these relationships. The "puppy-love" stage thru which most young men and women pass is a trying period, if nothing more. It seems that parents should make a more intelligent study of this phase of development and try to guide the young people into safe channels of social relationship.

While it is difficult to set an age, it is safe to say that no girl should form the habit of going out unattended with a young man until she is 16, at least. Some localities are more lax in the amount of liberty given young people than others, but a wise mother sets certain rules to be followed by her daughter.

It is always a good idea for a mother to meet and pass judgment, inaudibly, on her daughter's company. If she does not care for him, to say so would be likely to arouse the daughter to a stubborn defense of him. To oppose a marriage usually hastens the wedding, but in a round-about way, she can lead daughter to see the man's objectionable features.

However, no mother should make herself too much in evidence when daughter has a caller. I once knew a case where a mother's mixing in spoiled what might have been an excellent match. While none of us believes in arranging marriages as was done at one time, and is still done in Europe and Asia, I believe parents should take a more active part in engagements.

Boys and girls of 16 should not become engaged as they often do, in the irresponsible way youth has. It is better for beaux to be the exception, not the rule, until high school days are over, at least. If daughter has several admirers whom she treats impartially, she is better off than with a "steady." Mrs. Velma West Sykes.

Gingersnaps Tempt Youngsters

Since eggs are scarce and high in price, and most of us have lard, gingersnaps will be found an economical substitute for cake. They are excellent for lunches, too.

Gingersnaps

1 pound brown sugar 1 1/2 teaspoons soda
1 pound shortening 1/2 teaspoon ginger
1 quart sorghum 1 1/2 teaspoons cinnamon
molasses 1 1/2 teaspoons cloves

Cream sugar and shortening and molasses; dissolve soda in a little hot water and stir in, then add the ground spices. Sift in flour enough to make a stiff dough. Roll into a thin sheet and cut. Bake in a hot oven.

School boys and girls will be delighted with these and will want to carry a supply of them in their pockets most of the time. Mrs. A. E. G. Osage County.

Patterns to Fit Every Need

Twenty-five edges, six insertion patterns, eight motifs, five yokes, six handkerchief edges, one doily and 15 tatting patterns—all for 15 cents. That is what we are offering in our fancywork book No. 1.

You'll like every one of these patterns, too—they are all new and different. A number of the edges have been designed for underwear, and sev-



eral of the narrow patterns seem to belong especially to baby clothes. The picture shown is one of the eight motifs given in this book. The other seven are just as pretty. It would be difficult to find a book containing a better variety of designs.

Address the Fancywork Department, Kansas Farmer and Mail and Breeze, Topeka, Kan. The price is 15 cents. Ask for book No. 1.—Adv.

Farm and Home Week Program

AN UNUSUALLY interesting program has been arranged by the home economics division of the Kansas State Agricultural college for Farm and Home Week, February 6 to 11. Household accounting, house furnishing, care of sick children, garment selection and construction and cookery are among the subjects to be discussed. This program will begin Tuesday, February 7, at 8:30 a. m.

The leaders on the program are: Dr. Louise Stanley, professor of home economics at the University of Missouri; Dr. Helen B. Thompson, dean of home economics at the Kansas State Agricultural college; Nina Crigler, state home demonstration leader; G. A. Dean, professor of entomology; Mrs. Mary P. Van Zile, dean of women and Mrs. Charles W. Sewell, Otterbein, Ind., a farm woman and agricultural writer.

"Let me carry KELLOGG'S, Jack! I say I will! Mother said you could buy KELLOGG'S, but I could carry 'em home! I say I will—I will—I!"



Our word for it! You'll never know how delicious Corn Flakes can be till you eat Kellogg's

Positively—the most joyously good any-time-cereal any man or woman or child ever put in their mouths! Such flavor, such crispness! Such big sunny-brown Corn Flakes! How you'll relish a generous bowl-filled-most-to-overflowing; and a pitcher of milk or cream!

Never was such a set-out! Never did you get such a universal vote as there'll be for Kellogg's Corn Flakes! Big folks and little folks will say "Kellogg's, please, mother!" Leave it to their tastes—and yours! Prove out all we say!



For, Kellogg's Corn Flakes are a revelation in flavor; a revelation in all-the-time crispness! Kellogg's are never tough or leathery or hard to eat! Insist upon KELLOGG'S—the original Corn Flakes—the kind in the RED and GREEN package!

Kellogg's CORN FLAKES

Also makers of KELLOGG'S KRUMBLER and KELLOGG'S BRAN, cooked and krumbled

Vaseline CAMPBOR ICE

Going from the warm, steamy kitchen to the cold windy yard is sure to chap your face and hands. "Vaseline" Camphor Ice keeps them smooth and soft. It's invaluable for housekeepers.

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State Street New York



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& NAVY
Blankets,
Clothing, Shoes,
Harness,
Saddles, Tents,
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Army
and
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Write For Bargain Price List
WM. G. CARROLL, MGR.
The Army Store
205 S. Houston St. Dallas, Tex.

When writing advertisers mention this paper.

A Full Year's Wear In Every Pair of
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Guarantee Label Attached to Every Pair
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Ask Your Dealer
If he hasn't them—Send direct
Accept no Substitute
Look for Name on Buckles
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ASPIRIN

Name "Bayer" on Genuine



Take Aspirin only as told in each package of genuine Bayer Tablets of Aspirin. Then you will be following the directions and dosage worked out by physicians during 21 years, and proved safe by millions. Take no chances with substitutes. If you see the Bayer Cross on tablets, you can take them without fear for Colds, Headache, Neuralgia, Rheumatism, Earache, Toothache, Lumbago and for Pain. Handy tin boxes of twelve tablets cost few cents. Druggists also sell larger packages. Aspirin is the trade mark of Bayer Manufacture of Monoaceticacidester of Salicylicacid.

You are entitled to the benefit of the doubt. Why not take advantage of it?

The law is very careful in protecting the rights of a prisoner charged with a crime.

How about the Law of Common Sense and the man who has committed an error only? Isn't this a good place to use the benefit of the doubt, too?

Take your own case: If you don't know for sure whether tea or coffee is harming you, you do know that many are harmed by the drug element in tea and coffee, and that headaches, nervousness, or high blood pressure are symptoms which often tell that the drug, caffeine, is giving the nervous system too much jolt.

Probably you know, too, that some people can't drink a cup of tea or coffee at bed-time, and sleep well that night.

Where many have been harmed by tea and coffee, and you may be harmed, isn't it well to put the benefit of the doubt on your side before doubt becomes an unpleasant certainty?

There's charm without harm in Postum—a pure cereal beverage, rich in flavor, fully satisfying; the favorite table drink of thousands.

Suppose you try giving yourself this benefit today, and keep up the test for ten days; then judge the results. See if you don't feel better and work better. You can get Postum wherever good food and drink are sold or served.

Postum comes in two forms: Instant Postum (in tins) made instantly in the cup by the addition of boiling water. Postum Cereal (in packages of larger bulk, for those who prefer to make the drink while the meal is being prepared) made by boiling for 20 minutes.

Postum for Health
"There's a Reason"

Write for Book Today



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High or low wheels—steel or wood—wide or narrow tires. Steel or wood wheels to fit any running gear. Wagon parts of all kinds. Write today for free catalog illustrated in colors.

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Free Booklet Describes everything. Shows U. S. figures on crops, rainfall, climate, stock. Tells you how to get started.

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FENCE BARGAINS Prices Slashed

Here is the greatest money saving sale you ever heard of. Prices cut to the bone on Fences, Gates, Steel Posts, Roofing and Paint.

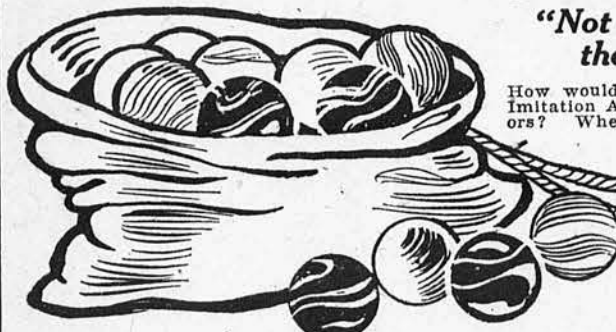
GET BROWN'S FACTORY PRICES Don't spend a cent until you get my prices. You'll be surprised when you compare with others. Remember I pay freight and sell only direct from my factories to you.

BROWN'S BARGAIN FENCE BOOK FREE 96-PAGE BOOK OF BIG BARGAINS

The greatest bargain book ever printed. Every page is like finding money. Buy now during this sale. Prices dropped to the bottom. Get your name on a postal and mail NOW. Jim Brown, Pres. Brown Fence & Wire Co., Dept. 1331 E, Cleveland, Ohio

25 Imitation Agates Free

"Not a Pottery in the Bunch"



How would you like to have 25 Imitation Agates all different colors? When the marble season starts, can you imagine yourself kneeling down to a game of "Boston" with a hand full of marbles that will attract the eye of every boy friend in the game? The minute you place one of these marbles in the ring and the game starts, you will notice how anxious they will all be to get a shot at your marble. It is attractive and they have made up their minds to win it. These marbles are in demand and any boy who knows a good marble will be glad to place three or four potteries against one of your agates. There is not a solid colored marble in the bunch. Each one has a variation of several different colors and is just the right size for accurate shooting. Get a sack of these marbles.

Send No Money I have made arrangements with the manufacturers of these marbles to take over practically their entire output and I want every boy reader of this paper to have a set. Just send me your name and address and I will send you 4 packages of high-grade post cards to give away FREE on my big, liberal 25c offer. An hour of easy work among your closest friends brings you 25 Agates. Write TODAY—just say, "I want a sack of marbles." Address

M. Berry, Marble Dept. 11, Topeka, Kan.

For Our Young Readers

Betty's Diary: The Freshman Reception Proved That Sunbonnets and Satin Sailors Will Mix

(Written by Irene Judy)

FRIDAY night about 11 o'clock: I just this minute came from the reception, and now I'm a really, truly freshman. Everyone in the house is asleep, but I simply must tell someone, even if it is only a diary!

Jane came for me and I was glad. She has lived here a long time and knows nearly everyone. The reception

school. Nearly all the girls are friendly. A few act "snippy," as if they thought sunbonnets and satin sailors shouldn't mix, but I don't mind them. Maybe they don't mean anything anyway. Shirley Lane, who I thought acted the snippiest of all at first, has been lovely to me lately. She lives out past the Grey's. Her younger brother often takes her to school in their big car, and they have stopped for me three times this week.

But if I don't stop writing and go to bed I shall go to sleep in class tomorrow, and then—

She who boasts, "I'm not afraid Of teachers who play winkum," Will find that when she naps in school, They're as cross as most kids think 'em!

Tuesday evening: Oh, joy! We're going to have a new high school building with a big auditorium, gymnasium and everything! The town folks voted for it yesterday. Everyone said that our parade won the election. One thousand school children marched in it carrying banners and giving their class yells, along with this one made for the occasion:

Watch us study.
Zip, boom, bah!
In our new high school,
Rah, rah, rah!

Among the many banners carried was one which read, "One thousand reasons for a new high school!" A pokey donkey drawing an old cart bore a placard which read, "Traveling in 1840." Just behind it came a shining new touring car with a pennant flying

A Question of Ears

A rat finds 12 ears of corn in a basket. He carries off three ears every night. How long does it take him to empty the basket?

these sit-up-and-take-notice words, "Traveling in 1921."

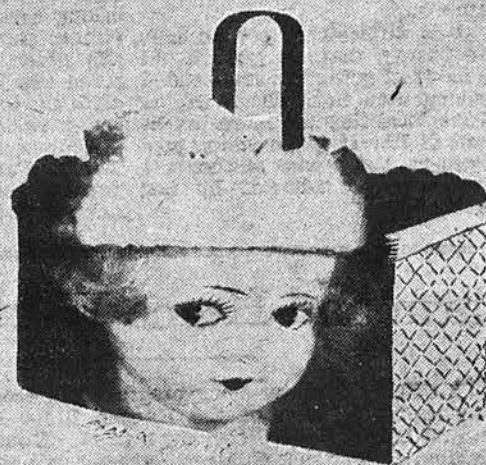
Our present school building, which was built in 1840, is like an old hen that still tries to hover her all too numerous brood of half grown chicks. Why, the assembly hall is so crowded mornings when we go into chapel that I have to sit with a girl who weighs nearly 200 in a seat which is meant for one! Just imagine trying to stay put and sing the school song at the same time in such a fix! I surely hope I won't grow any wider until our new building becomes a realization rather than an expectation.

—Betty Blue.

I like the Kansas Farmer and Mail and Breeze very much.
Scottsville, Kan. Gail Schmeil.

Betty Goes A-Marketing

- 1 TOP SO ATE
- 2 CLAN MORE
- 3 CAFE BAB
- 4 CEE SHE
- 5 FUR LO
- 6 RAG US
- 7 PER SUN
- 8 SAL PEP
- 9 RED BA
- 10 ARE NAGS
- 11 LAST



Betty is going marketing and she intends to purchase 11 things for dinner. If you can find what they are send your answers to the Puzzle Editor, the Kansas Farmer and Mail and Breeze, Topeka, Kan. There will be postcards for the first 10 boys and girls who answer correctly.

Now, since this puzzle isn't very easy, Betty says she'll give a few "hints" about it: No. 1 is a vegetable the name of which begins with p; No. 2 begins with c and Betty says she sometimes makes muffins of it; No. 3 begins with c; No. 4 also begins with c; No. 5 begins with f; No. 6 begins with s; No. 7 begins with p; No. 8 begins with a; No. 9 begins with b; No. 10 begins with o; No. 11 begins with s.

Jayhawker's Farm Notes

By Harley Hatch

THE new year came in with this part of Kansas still dry but, despite the dryness, wheat promises well. The mild, dry winter has so far been more than commonly good for stock. In this part of Kansas plenty of winter rain means muddy feed lots and when that is the case cattle do not do well, no matter how good the feed. It has been some years since we had a very wet winter and not since 1915 have we had what could be called a genuine wet year. Since the law of averages never fails to work we may confidently look for some wet weather to come our way before long. It is said by weather officials that any 10-year period varies in total rainfall but little as compared with any other similar period. In this case we have a lot of rainfall due us in the next four years.

Corn is Selling for 45 Cents

Corn has not reached 50 cents here yet but feeders would like to stock up for 45 and seem unable to do so. One feeder, who has 185 head of hogs said this week that his corn would last him 30 days longer. He has been paying 45 cents a bushel and hauling it himself but is unable to locate much more within hauling distance. He says that should he be compelled to ship in corn it will likely cost him 52 to 53 cents a bushel. Local hog buyers have been paying close to \$7 a hundred during the last week but most of them are looking for lower prices as they expect the North to cut their hogs loose soon. Good wheat brings about \$1 a bushel.

Road Balance on Right Side

At a meeting of our township board last week a balance of \$42.56 was found on the right side. The total expenses and receipts for the year were both more than \$8,500. A large item of expense was concrete culverts and bridges and this is an expense that will likely continue as there are yet many streams and runs to be bridged. With the coming of lower prices, bridge material should work considerably lower. Labor has already been cut down 33 per cent as compared with

one year ago, with \$4 now being paid for the work of man and team 8 hours as compared with \$6 paid for the same work one year ago. If material costs can be cut down even 25 per cent the board feels that it can do as much road work the coming year as it did in 1921 and at the same time cut the tax levy down \$2,000. We will have more money to be used in road dragging this coming season as the motor car licenses have been raised. If we wish our taxes lowered during the coming year we must begin at home and cut down the levies that take the most money. This may mean cutting down teachers' wages to some extent but we know of no reason why such wages should be more immune from reduction than those of road workers.

Wheat Prices Will Fall

One of the closest followers of the Chicago grain market says that wheat is due for lower prices during the next 60 days but after that time it will go considerably higher than it is at present. We note that the latest Government crop report indicates but 36 million bushels are left for export but even that will leave the smallest carry-over in years. It is evident that Europe will have to get the most of its wheat during the next six months from Canada, Argentina and Australia. There is nothing in present crop conditions which would indicate cheaper wheat for 1922 than we had in 1921.

Hauling Grain to Town

Country feeders who wish to buy corn have to pay higher prices than are paid by mills and elevators in town. The average farmer likes to go to town and counts the trip as being of some value to him when fixing the price of grain to be hauled. Like the old negro who rode on the merry-go-round, he feels that if he hauls corn to a country feeder he has had a ride but hasn't been anywhere. If he goes to town with the corn, he has been to town. For this reason cattle feeders usually have to pay from 3 to 5 cents more a bushel for corn than do town buyers. This holds good even should the country buyer be the closest haul.

Health in the Family

BY DR. C. H. LERRIGO

Don't "Catch Cold"

Mary had a newborn cold. The cold was in her head; And everywhere that Mary went That cold was bound to spread.

She took it out to church one day, And that was awkward, too. For when the parson rose to pray, Our Mary cried "Ka-Choo."

On Monday Mary went to school; The cold was with her still, And there it scorned the teacher's rule And "visited" at will.

"What makes old Doc love Mary so?" The children all did cry. "Her cold paid for his car, you know," The teacher did reply.

MARY should have kept her cold at home. So should you when you have one. Colds are indeed "catching." They are seldom caught from drafty doors and open windows, but almost always are caught from the "other fellow" who happens to sit next to you at the movie or hang on an adjoining strap in the little incubator of a street car in which you journey to and from your office. Farmer folk "catch cold" by contact thru school and church and shopping or in a lodge meeting.

Have you never noticed how a cold is almost sure to "run thru the family?" This is not absolutely necessary. Let the person with the cold be very careful to "cover up each cough and sneeze." Let him quarantine himself as much as possible, and there will be a great deal less of "catching cold." When you see a coughing, or sneezing individual who is distributing his germs in the unguarded way that a threshing machine in action throws

out its straw, flee from him as if he were a smallpox patient.

Treatment for Blood Pressure

I have kidney trouble and high blood pressure. I am fleshy and 50 years old. I am taking nux vomica and some tablets. I wish to know whether they are the best to use.

J. B. T.

Your idea of high blood pressure is not correct. The volume of blood is not a serious cause, and more patients with high blood pressure have an under supply than excess. Stimulants such as you mention are not usually given in the treatment of this complaint. Perhaps your doctor has some special reason for advising such medicine, but my opinion is that you will get much better results by reducing your diet than by taking medicine.

A. M. K.

To Reduce Weight

I should like to know just what kind of diet a person should eat to reduce fat. I am a woman 26 years old, 5 feet and 2 inches in height and weigh 177 pounds. I would like to get rid of some of my fat in some way without taking medicine. Please tell me just what kind of food to eat.

K. M.

The best foods to eliminate in reducing weight are the fats, sweets and starches. Fat meat, cream, butter, sugar, potatoes, and bread are common foods in these classes. The important thing is to see that you actually do cut down the amount of food and maintain the reduction persistently.

Kansas poultry products stood as the sixth item in the inventory of the state for 1920, being exceeded only by wheat, livestock products, corn, hay, and oats.

20 MULE TEAM BORAX



FINEST FOR BLANKETS AND BED-SPREADS

20 Mule Team Hauling Borax out of Death Valley

Clean, fresh-smelling sheets and pillow cases, clean, soft fluffy blankets, clean uninjured bedspreads and counterpanes, are *always* the result when 20 Mule Team Borax is used. It is the greatest water-softener known and should be used wherever soap is used. It *protects* fabrics and colors. 20 Mule Team Borax is wonderful at cleaning pots, pans, churns, milk cans, etc. Try it. It is in all clean farm kitchens—is it in yours? At *all* grocers. Send for the Magic Crystal Booklet Pacific Coast Borax Co., 100 William St., New York

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GET "JOINT EASE" FREE!

A Regular 60c Tube.

For Rheumatic Pains, Lumbago, Sciatica, stiff, swollen, aching joints and muscles.

Wonderful for Neuritis. Just rub it in and watch the pain and trouble disappear.

"JOINT EASE" is better than musky old plasters and liniments that stain and blister. For free 60-cent tube (only one to each family) address, with 10c in stamps or coin to help cover mailing costs. H. P. Clearwater, No. 1280-B St., Hallowell, Maine.

FORDS run 34 Miles

on Gallon of Gasoline
Wonderful new carburetor. Guaranteed to reduce gasoline bills from one-half to one-third and increase power of motors from 30 to 50%. Start easy in coldest weather.

Sent on 30 DAYS' TRIAL
Fits any car. Attach yourself. Fords make as high as 34 miles to gallon. Other cars show proportionate saving. Send make of car and take advantage of our special 30-day trial offer. Agents Wanted.

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FREE BOOK "The Way to a Better Thing. Write for it."
BARTLETT'S WICHITA AUTO & TRACTOR SCHOOL
129 N. Topeka Avenue WICHITA, KANSAS

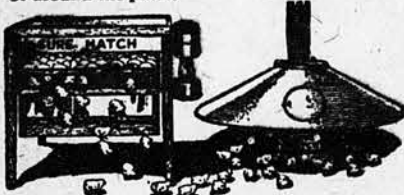
FARM FENCE

191 CENTS A ROD and up for a 25 inch Hog Fence, 28c. a rod and up for 47 inch. WE PAY THE FREIGHT. Low prices Barbed Wire. Factory to User Direct. Sold on 30 days FREE TRIAL. Write for free catalog now. INTERLOCKING FENCE CO. Box 125 MORTON, ILLS.

As soon as you have read this issue of Kansas Farmer and Mail and Breeze pass it along to your neighbor.

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CASH! Cash money is what you want. Chickens will bring you quicker and bigger returns on the investment than anything else on the farm or around the place.



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Thousands of satisfied owners have made big money with Sure Hatches the past 23 years. Why not you? Sure Hatch Fresh Air Colony Brooders raise every chick and increase your poultry profits.

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You Take No Risk With 30 Days Trial Freight An 10 Yr. Guarantee Paid

Incubator and Brooder both made of California Redwood. Incubator covered with asbestos and galvanized iron, triple walls, nursery, hot water heat, copper tanks in incubator and brooder.

150 EGG INCUBATOR \$19.75
Set up complete ready to run. 30 day's trial money back if not O. K. Write for free catalog or order direct from this advertisement.

260 Egg Incubator \$28.75
IRONCLAD INCUBATOR CO.
Box 69 Racine, Wis.

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Don't lose baby chicks in hatching. "I got 79 chicks out of 79 fertile eggs with a Favorite," writes John Klesner, 1004 E. Seventh Street, Alton, Ill. Poultry raisers who know use the

FAVORITE INCUBATOR
Double-walled throughout, automatic heat control with heavy copper heating system, removable trays and accessible nursery—a champion hatcher at lowest price.

Free Book
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\$13.95 Buys 140 Egg-Champion Belle City Incubator
Hot-Water, Copper Tank, Double Walls Fibre Board, Self-Regulated Safety Lamp, Deep Nursery. With \$7.95 Hot-Water 140-Chick \$19.95 brooder—Both for only

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East of Rockies and allowed towards Express. With this Guaranteed Hatching Outfit and my Guide Book for setting up and operating, your success is assured. Save time—Order now—Share in my

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Wheat Market is Erratic

Slight Rally Comes After Big Price Slump

BY JOHN W. SAMUELS

UNFAVORABLE comment in reference to the stability of some of the grain buying firms in Chicago coupled with the announcement of the failure of E. W. Wagner and Company had a drastic effect on the market and the wheat trade became decidedly erratic. In fact, a near panic prevailed for a time. A strenuous denial of the rumors in regard to alleged shaky condition of other firms did not cause much improvement for several days.

The first break was startling and spectacular. May wheat dropped more than 7 cents and July more than 6 cents. July wheat dropped to 97½ cents in Chicago and 92 cents in Kansas City. Finally there was a recovery of approximately 4 cents but toward the close of the week the trade became unsettled.

The export buying of wheat during the week was moderate and the sales at the Gulf ports were in the neighborhood of 800,000 bushels. Sales of Canadian wheat approximated 3 million bushels. Argentine shipments showed a total of 1,117,000 bushels.

Corn Trade Recovers

Trade in corn was influenced to some extent by the movement in wheat and at first there was a break of 1½ to 1½ cents. The weekly purchases of approximately 1½ million bushels of corn for Russian relief however, is having a steady influence on the market. At the close of the week the trade regained all of the loss of the early part of the week.

Exports of corn for the week showed a total of 2,591,000 bushels as compared with 1,780,000 bushels for the preceding week. Exports for the same week last year were 573,000 bushels.

Futures in oats followed the movement in corn and at the close of the week showed gains of ½ to ¾ cent a bushel. Receipts were about 10 per cent larger than at this time a year ago.

The following quotations on grain futures were announced in Kansas City at the close of the market: May wheat, \$1.05½; July wheat, 96½¢; May corn, 46½¢; July corn, 48½¢; May oats, 37½¢.

Kansas City Grain Sales

Cash grain sales in Kansas City this week were comparatively steady. Hard wheat was 1 cent to 2 cents higher; dark hard wheat was 1 cent higher and Red wheat was steady to 2 cents higher. The following sales were reported: No. 1 dark hard wheat, \$1.13 to \$1.19; No. 2 dark hard, \$1.12 to \$1.19; No. 3 dark hard, \$1.11 to \$1.18; No. 4 dark hard, \$1.06 to \$1.16; No. 5 dark hard, \$1.04 to \$1.13; No. 1 hard wheat, \$1.05 to \$1.16; No. 2 hard, \$1.04 to \$1.16; No. 3 hard, \$1.03 to \$1.15; No. 4 hard, \$1 to \$1.10; No. 5 hard, 80¢ to \$1; No. 2 Yellow hard, \$1.03; No. 1 Red wheat, \$1.15 to \$1.16; No. 2 Red, \$1.15; No. 3 Red, \$1.11; No. 4 Red, \$1.05 to \$1.07; No. 5 Red, \$1.06 to \$1.11; No. 2 mixed wheat, \$1.13; No. 3 mixed, \$1.09 to \$1.10; No. 4 mixed, 92¢; No. 5 mixed, \$1.03.

Corn prices this week showed slight advances at Kansas City. The white corn ranged from half a cent to a cent higher; Yellow corn was 1 cent to 1½ cents higher; while mixed corn was about half a cent higher. The following sales were reported:

No. 2 White corn, 42 to 42½¢; No. 3 White, 41 to 41½¢; No. 4 White, 40½ to 41¢; No. 2 Yellow, 43½ to 44¢; No. 4 Yellow, 42 to 42½¢; No. 1 mixed corn, 41½¢; No. 2 mixed, 41 to 41½¢; No. 3 mixed, 41¢; No. 4 mixed, 40 to 40½¢.

Other grains sold as follows: White oats, 34 to 34½¢; No. 3 White, 33½¢; No. 4 White, 33¢; No. 2 mixed oats, 32½ to 33½¢; No. 2 Red oats, 40 to 42¢; No. 3 Red, 37¢; No. 4 Red, 32 to 35¢; No. 2 White kafir, 84 to 88¢; No. 3 White, 87¢; No. 4 White 82 to 84¢; No. 2 milo, 98¢; No. 3 milo 92 to 96¢; No. 4 milo, 93¢; No. 2 rye, 71¢; No. 3 rye, 70¢; No. 2 barley, 46 to 47¢; No. 4 barley, 44¢.

Millfeeds this week are a little more active but demand is slack. The open winter has had a depressing effect on the market. The following quotations are given in Kansas City: Bran is

quoted at \$20.50 to \$21; brown shorts, \$20 to \$21; gray shorts, \$21 to \$22; linseed meal, \$47.50 to \$52; cottonseed meal, and nut cake, \$43.50; new cold pressed cottonseed cake, \$34.50; alfalfa meal, No. 1 grade, \$16.50 to \$17.50; No. 2 alfalfa meal, \$14.50 to \$15.

The hay market for the week closed fairly steady. The following sales were reported in Kansas City:

Choice alfalfa, \$21 to \$22 a ton; No. 1 alfalfa, \$18.50 to \$20.50; standard alfalfa, \$15 to \$18; No. 2 alfalfa, \$12 to \$14.50; No. 3 alfalfa, \$9.50 to \$11; No. 1 prairie hay, \$11.50 to \$13; No. 2 prairie, \$9.50 to \$11; No. 3 prairie, \$6.50 to \$9; No. 1 timothy hay, \$13.50 to \$14.50; standard timothy, \$12 to \$13; No. 2 timothy, \$10 to \$11.50; No. 3 timothy, \$7.50 to \$9.50; light mixed clover, \$13 to \$14; No. 1 clover, \$10.50 to \$12.50; No. 3 clover \$7 to \$10; packing hay, \$5 to \$6; straw, \$7 to \$7.50.

Seeds and Broomcorn

The following prices on seeds by the hundredweight are quoted this week in Kansas City:

Alfalfa, \$8 to \$13 according to grade and quality; timothy, \$4 to \$5; bluegrass, \$35 to \$46 according to grade; millet, \$1.35 to \$1.40; Sudan, \$2.25 to \$2.75; cane, \$1 to \$1.25; flaxseed, \$1.40 to \$1.52.

The following quotations on broomcorn brush are given in Kansas City: Fancy whisk, \$275 a ton; fancy hurl, \$250; choice Standard broomcorn, \$180 to \$220; medium Standard broomcorn, \$140 to \$180; medium Oklahoma Dwarf broomcorn, \$130 to \$160; common stained Dwarf broomcorn, \$90 to \$115.

Denver Poultry Show

The district meeting of the Rhode Island Red club will be held at the Union Stock Yards, Denver, January 16-21, 1922, in connection with the National Western Stock show. The Fifth District, the members of which voted to hold their official show in Denver, comprises the states of Arizona, California, West Canada, Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington and Wyoming.

Competition is open to members outside of the district, and Kansas, Nebraska, Missouri, New Mexico, Oklahoma and Texas will participate in the meeting. More than 500 high-grade specimens of the Rhode Island Red varieties will be on exhibition.

To Success With Sheep

In building up a flock of sheep, it is necessary to remember to do these things: 1. Use good purebred rams. 2. Select young ewes. Yearlings, 2-year-olds, or perhaps, 3-year-olds are far more desirable for starting a flock than older ones. 3. Discard broken-mouthed ewes, and ewes with bad udders. 4. Choose ewes having good size, desirable forms and dense fleeces. 5. Feed lambs especially well thruout the first year because a sheep makes its greatest growth during this period. 6. Give the flock good care thruout the entire year.

Opportunity for Safe Investment

Readers of Kansas Farmer and Mail and Breeze who have surplus funds to invest can learn of a particularly attractive, high-grade security by writing me at once. I regard this as an exceptional opportunity for Kansas Farmer and Mail and Breeze readers. Amounts of \$100 or more are solicited; rate of interest, 7 per cent, payable semi-annually, with the privilege of withdrawal at any time upon 30 days' notice. I can unqualifiedly recommend this investment, which is backed by unbroken record of 23 years' success in one of the strongest business concerns in the West, offering a security that is as safe as Government bond. I will be glad to give further information. Arthur Capper, Topeka, Kan.—Advertisement.

During the last 20 years Kansas has produced an aggregate value of approximately 650 million dollars' worth of hay, of which alfalfa has been by far the largest ingredient.

Ideas That Make Money

Mail a Postal and let me send you this "Know-How" about Poultry Profits



Let me send you this book, full of ideas on making money from poultry. For showing the real, practical dollar and cents side of poultry raising, I do not think it has an equal. Send me your name and address and I'll mail you a copy free. Also get my reduced 1922 money-saving price on

Old Trusty



Harry Johnson
"Incubator Man"

There are now nearly a million Old Trusty owners. Think of the hundreds of thousands of dollars they are making from big hatches every year. Many are making incomes from eight hundred to one thousand dollars or more extra to add to their farm profits. I will pay the freight and guarantee quick shipment, too. We make shipment from factory at Clay Center, Neb., or St. Joseph, Mo. This is the year of all years to make a pile of profits in poultry. Let me help you get started. Harry Johnson, "Incubator Man".

M. M. Johnson Company
Clay Center, Neb.



We Pay Freight

Swat the Scrub!

The scrub sire is a "con" man. He is short-changing you out of your profits right along. Buy a purebred next time. You'll always find a good bargain in the livestock section of this paper.

BEEES AND SUPPLIES

Buy Direct From Factory

30 years experience in making the goods you use enables us to make the best for the price. EARLY ORDER DISCOUNTS. SAVE YOU MONEY.

Send for free catalog today.

LEAHY MFG. CO., 25 Third St., Higginsville, Mo.

LEE'S LICE KILLER

Kills lice, mites, bed bugs, etc., affecting poultry. Spray on roosts, etc. Get body lice on chickens, too. Works while they sleep. No dusting, dipping, greasing or handling. Saves lot of unpleasant work. As most towns, at stores handling Lee Poultry Supplies. Write for information and FREE Book.

LEE CO., Dept. F-5 • OMAHA, NEBR.

FOR SALE

If you want to sell your farm, don't put a signboard in the front yard. It takes a long time for 1,000 persons to pass the average farm. But if you will put an advertisement in

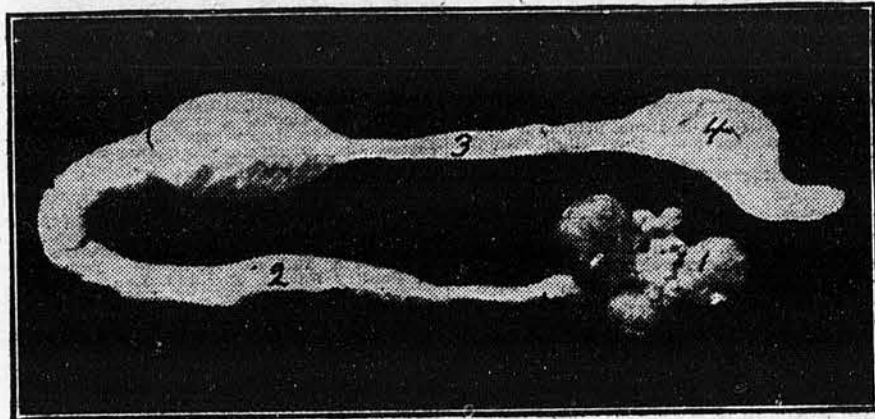
THE REAL ESTATE MARKET PLACE

In this paper, 125,000 farmers will know that you want to sell.

Do You Give the Hens Lime?

Shell Material Consumed Governs Egg Production

BY C. T. PATTERSON



A Remarkable Picture—the Yolk is Formed at 1, White at 2, Soft Shell at 3 and Hard Shell at 4. Egg Just Entering 3

If your hens are not getting sufficient lime in their feed you are either losing money or not making as much as you might. I make this statement at the start because I wish to get some attention to lime, and on a dollar and cents basis is the best way to do it. Now I'll qualify my remarks by taking you over some work we did several years ago, while I was superintendent of the Missouri poultry experiment station.

At that time it was my pleasure to make a survey of Missouri relative to poultry feeds and especially in reference to the use of calcium or lime in the ration. The result of this investigation was a great surprise to me, for I found that if all persons in Missouri who kept poultry would supply a proper quantity of lime in available form it would increase the number of eggs produced to the extent of 17 million dollars a year.

But these were facts, and having them properly before us the next question that presented itself was, "What does lime or calcium do that it is so important?" and in working on the question this is what we found out.

Three Important Parts

First, the egg is made in three principal parts: the yolk, the white and the shell, (the soft shell or shell membrane belongs to the white) and that Nature has given a law to the hen that if she couldn't make a complete egg she should not make a piece of an egg. Freak eggs are made by accident.

In testing this out we found further that if we fed a hen on a ration that would make 100 yolks, 40 whites and 100 shells the hen could make only 40 eggs since the white part of the ration was the limiting factor. Or, if we fed a ration which would make 100 yolks, 100 whites, but only 25 shells that the hen could make only 25 eggs for the shell material was the limiting factor.

Actual tests where the hens were kept in a floored pen where they could get no shell building material showed that a hen can get shell building material out of the feed and water to make only about one egg for every 10 eggs the feed would make; and that shell building material must come from some other source than ordinary feed.

Until we conducted these tests we thought that a lack of shell building material would cause soft shelled eggs. But we found this view incorrect and also that a lack of shell building material would cause defective shells to a certain extent after which it would prevent production altogether.

Cause of Soft Shelled Eggs

Soft shelled eggs are the result of another cause which we will discuss later. Under average conditions a hen should produce two eggs for each pound of food she consumes, and in this ratio 100 pounds of feed should result in the production of 200 eggs. But if this feed does not contain the material for the 200 shells, then the hen can't make the eggs.

To make a rough estimate of the cost of the different parts used in 200 eggs, we figure the 200 yolks would cost about 65 cents; the 200 whites about \$1.33 and the 200 shells would cost about 2 cents. This is a comparative cost of the three parts of the egg where we buy the feed; but from the hen's viewpoint they are all worth exactly the same.

On many farms we find flocks of from 100 to 200 hens with not enough available lime within a mile of them to make a dozen eggs. Such flocks lay only the number of eggs for which they can get shell building material from the feed and water given them. In such cases the flocks are a loss and the owners are disappointed and sell them off; usually to start with another breed or variety to have the same story repeated—and all the time when the sole trouble was a lack of lime.

We have discussed the use of lime thus far only from the shell producing standpoint, since we believe the illustration is clearer in this case than

where lime enters into other considerations. However, calcium or lime is used in other ways. It is used in the blood, muscles, bones and in fact almost every tissue depends on calcium in some way. An egg contains all of the 12 elements necessary to support animal life, so the egg must contain enough calcium, other than that found in the shell, to harden the bones of the chick which is to come out of the egg.

The egg, then, contains liquid bone which is not found in many other foods—which is one main reason why eggs are recommended by physicians.

Many farm folks think that because there is much gravel, sand and small stones in the chicken yards it is not necessary to supply lime in any form. But gravel and sand usually are flint, which contains no lime and a hen could not make an egg shell if she were to eat a carload of flint. When she does eat flint it is for grinding her food—but she needs lime in addition.

Lime or calcium (we use these terms together because it is the calcium contained in lime to which we have reference) may be obtained in different ways and in different forms. The order in which we find these sources of calcium so far as availability is concerned is as follows:

First, finely crushed oyster shell.

Second, finely crushed clam shell.

Third, slaked lime made into mortar with sand, allowed to dry and then beaten up fine.

Fourth, crushed lime rock.

Our recommendations, then, as to lime would be to keep a supply of it in some form available at all times, and to consider this essential part of the ration as carefully as you look after the kind and quantities of other feed.

Your windmill is squeaking and groaning mostly because it needs oil.

Hens Net Owner \$6.88 Apiece

It is generally accepted among farmers that there is good money in poultry. Practically every farm flock yields a profit. The amount of that profit depends on the quality of the birds and the care they receive.

William Pyle of Gooding, Idaho, has 72 White Leghorns. In eight months these hens averaged \$6.88 profit apiece. Here is the record of the flock:

Eggs laid in the 240 days show a total of 12,173 or an average of 170 a hen for the period. Receipts for the 8 months were as follows:

Products	Receipts
9,000 eggs sold.....	\$268.27
1,425 eggs used for table.....	32.80
330 day old chicks sold.....	57.50
220 fries sold.....	114.90
27 fries for table.....	12.85
30 capons on hand at 60 cents.....	18.00
205 pullets on hand at 75 cents.....	153.75

Total\$658.07

Expenditures were as follows:
Total feed bill, not including milk...\$133.90
44 gallons coal oil for incubators and brooders 11.00
Incidentals such as shell and the like 16.30

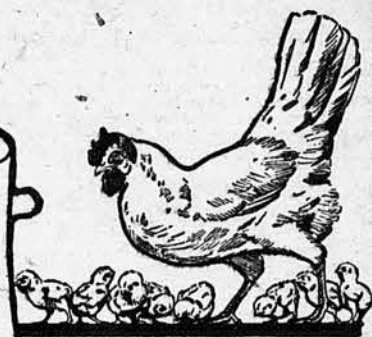
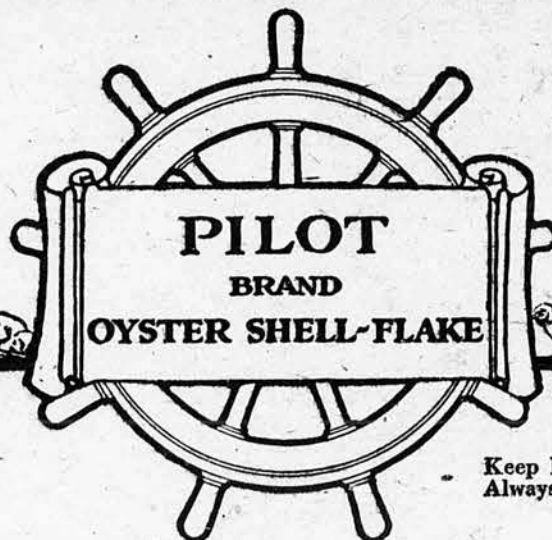
Total\$161.20

Total profit\$496.87

This shows a profit of about \$6.88 a hen for the period. Labor and interest on investment is not included in the figures. The loss in raising chicks is about 4 per cent, due to various causes, and this is included in the report.

Warm Drinks for Cows

Do not permit your cows to drink ice water. Cows will not drink the needed amount of water when it is cold. If the stalls are not provided with water buckets, place a tank heater in your tank. It is far cheaper to heat the water with coal or corn cobs in the tank heater than with corn fed to the cows.



Keep Pilot Brand Shell
Always Available to Poultry

Insures Health, Strength, Size of Chicks

ON almost every farm in the United States, chicks are handicapped in growth by lack of lime food. They must pick up lime in order to grow strong, healthy skeletons.

Increases Egg Production

Experts everywhere agree that full potential egg production cannot be obtained when hens have not sufficient lime. All advocate keeping oyster shell continuously in every pen.

98% Pure Carbonate of Lime

Pilot Brand Oyster Shell-Flake analyzes 98% pure carbonate of lime. It is so free from impurities—such as dirt or clam shell—that a

sample from the sack meets this test.

Costs Almost Nothing

Pilot Brand is so economically produced and sold that the cost of feeding it is usually less than a cent per fowl per year. You will be amazed at the results.

Ask Your Dealer

Make your hens pay; insure the health and strength of chicks. Pilot Brand is washed, dried, ground, graded in two sizes for baby chicks and adults, and packed in brand new 12-oz. burlap bags. Ask your dealer for Pilot Brand. If he does not carry it, send his name and we will see that you are supplied immediately. Order today.

OYSTER SHELL PRODUCTS CORPORATION

SALES OFFICE: Security Bldg., ST. LOUIS, MO.

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12.....	1.20	3.84	28.....	2.80	8.96
13.....	1.30	4.16	29.....	2.90	9.28
14.....	1.40	4.48	30.....	3.00	9.60
15.....	1.50	4.80	31.....	3.10	9.92
16.....	1.60	5.12	32.....	3.20	10.24
17.....	1.70	5.44	33.....	3.30	10.56
18.....	1.80	5.76	34.....	3.40	10.88
19.....	1.90	6.08	35.....	3.50	11.20
20.....	2.00	6.40	36.....	3.60	11.52
21.....	2.10	6.72	37.....	3.70	11.84
22.....	2.20	7.04	38.....	3.80	12.16
23.....	2.30	7.36	39.....	3.90	12.48
24.....	2.40	7.68	40.....	4.00	12.80
25.....	2.50	8.00			

RELIABLE ADVERTISING

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.

Special Notice

All advertising copy discontinuance or change of copy intended for the Classified Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication.

AGENTS WANTED

WE PAY \$200 MONTHLY SALARY, FURNISH pay and expenses to all who qualify introducing guaranteed poultry and stock products. Bigler Company, X671, Springfield, Ill.

AIR-FILLED PUNCTURE SEALING INNER tubes. Fully guaranteed. Nothing like it. Autolists buy on sight. Enormous profits. Exclusive territory for producers. Wenstone Rubber Products Co., Dept. 23, 3025 Indiana Ave., Chicago.

WANTED—A FEW MORE GOOD, RELIABLE men to sell National Brand fruit trees and a general line of nursery stock. Carl F. Heart of Kansas earned \$2,312.67 in 18 weeks, an average of \$128.48 per week. You might be just as successful. We offer steady employment, loan outfit free and pay cash weekly. Write at once for terms, territory, etc. Catalog free to planters. National Nurseries, Lawrence, Kan.

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EXCEPTIONAL OPENING. THOSE DESIRING plain sewing home. Any sewing machine. City-country. No canvassing. Steady. To prevent curiosity seekers send 12 cents. Samples-information. Goodwear Cloth Co., Inc., Asbury Park, N. J.

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MOLER BARBER COLLEGE, LARGEST and best. Write for free catalog. 544 Main St., Kansas City, Mo.

LAWRENCE BUSINESS COLLEGE, Lawrence, Kansas, trains its students for good paying positions. Write for catalog.

STUDY NURSING. SALARY WHILE learning. For information write Axtell Hospital School of Nursing, Newton, Kan.

BECOME GOVERNMENT RAILWAY MAIL clerks. \$135-\$195 month. List positions free. Write immediately. Franklin Institute, Dept. A-15, Rochester, N. Y.

FINLAY ENGINEERING COLLEGE, KANSAS City, Mo. Mechanical, electrical, armature winding, auto-elec. 6 weeks to 2 years. Write for catalog. Enroll any time.

IF YOU CAN'T GO TO SCHOOL BUT want a business education write us immediately. We have an unusual proposition. Salina Business College, Salina, Kan.

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PLEATINGS, ALL KINDS. MRS. M. J. Mercer, 800 Topeka Blvd., Topeka.

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COLLECTIONS, ACCOUNTS, NOTES, claims collected everywhere on commission; no collection, no pay. Allen Mercantile Service, 252 Lathrop Bldg., Kansas City, Mo.

INVENTORS WRITE FOR OUR ILLUSTRATED book and record of invention blank. Send model or sketch for our opinion of its patentable nature. Highest references, prompt service. Reasonable terms. Victor J. Evans & Co., 825 Ninth, Washington, D. C.

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DON'T WASTE YOUR SPARE TIME—IT can be turned into money on our easy plan. We have a splendid offer for ambitious men or women who desire to add to their present income, and will give complete details on request. Simply say, "Tell me how to turn my spare time into dollars" and we will explain our plan completely. Address, Circulation Manager, Capper Publications, Topeka, Kan.

PUT YOUR BUSINESS BEFORE MORE than 1,180,000 farm families in the 16 richest agricultural states in the Union by using the Capper Farm Press. A classified advertisement in this combination of powerful papers will reach one family in every three of the great Mid-West, and will bring you mighty good results. This does not apply to real estate or livestock advertising. The rate is only 60 cents per word, which will give you one insertion in each of the five sections, Capper's Farmer, Kansas Farmer and Mail and Breeze, Missouri Ruralist, Nebraska Farm Journal, and Oklahoma Farmer. Capper Farm Press, Topeka, Kansas.

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TYPEWRITERS FOR SALE. TRIAL AND payments. Josephine Yotz, Shawnee, Kan.

FOR SALE—A SMALL PORTABLE SAW-mill in good condition, cheap. Box 165, Attica, Kan.

POP CORN, SIX POUNDS, 45 CENTS within third postal zone. Vanderwilt, Box 275, Solomon, Kan.

PRACTICALLY NEW, MEDIUM SIZED threshing rig for sale or will trade for cows. Box 113, Cedar Point, Kan.

FOR SALE—DEMPSTER WELL DRILL No. 14, practically new. Equipped 400 ft. \$400. Arthur Kuntz, Abilene, Kan.

FOR SALE—32 CASE SEPARATOR AND 25-50 Avery tractor or will trade for car or combined harvester-thresher. Herbert Dyck, Ness City, Kan.

CREAM SEPARATORS. SMALL LOT OF standard make cream separators. 400 pound capacity, \$29; 500 pound capacity, \$34. These are new machines. Wonderful bargain. E. T. Oatertold, Station A, Kansas City, Mo.

GEISER STEAM ENGINE, 20 HORSE power, all new flues, gearing and boiler good; Reeves separator, 36 inches; International 15-30 tractor, new blocks and pistons; 28-inch Avery separator with Webb stacker; 20-40 Rumely tractor; 32x56 Rumely separator. All above machinery fully equipped. McCormick harvester-thresher used one season. H. C. Hardie, R. 1, Macksville, Kan.

FOR THE TABLE

PURE EXTRACTED HONEY, 60 POUNDS, \$6.50; 120 pounds, \$12 here. M. P. Weeks, Delta, Colo.

HIGHEST GRADE EXTRACTED HONEY. 30 pounds, \$3.75; 60 pounds, \$6.50; 120 pounds, \$12; here. Drexel & Sons, Beekeepers, Crawford, Colo.

NEW CROP TABLE RICE AND SPANISH peanuts. 100 pounds in double sacks, f. o. b. this station as follows: Beautiful clean white rice, \$3.60; choice re-cleaned peanuts, \$4.50. J. Ed Cabanis, Box 90, Katy, Texas.

"THEBESTO" HONEY—DELICIOUS, MILD flavor; light color; satisfaction guaranteed or money back; 5-lb. can postpaid, \$1.40; c. o. d. if desired. Write for prices on quantities. Colorado Honey Producers Association, Denver, Colorado.

TOBACCO.

TOBACCO—HIGH GRADE CHEW 10 LBS. \$3; smoke 10 lbs., \$2.50. Stubblefield & Son, Mayfield, Ky.

HOMESPUN MILD SMOKING TOBACCO. 10 lbs., \$2; 20 lbs., \$3.50. Cheving, 10 lbs., \$2.75. Farmers Club, Mayfield, Ky.

KENTUCKY LEAF TOBACCO—3 YEARS old, nature cured. Don't send a penny, pay for tobacco and postage on arrival. Extra fine quality chewing or smoking, 10 lbs. \$2.50; medium quality smoking, 10 lbs. \$1.00. Farmers' Union, Hawesville, Ky.

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WANT TO TRADE—ONE REEVES 36-60 separator for stock. F. H. Mall, Clay Center, Kan.

WILL TAKE FIRST CLASS THRESHING rig on 160 acre farm, central Kansas. Rumely 20-40 preferred. Box 239, Miltonvale, Kan.

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STRAWBERRY PLANTS, \$3 PER 1,000. List free. J. Sterling, Judsonia, Ark.

SEED SWEET POTATOES, 14 VARIETIES. Write for prices. Johnson Bros., Wamego, Kan.

YELLOW SWEET CLOVER, BIENNIAL hulled, \$6 bu. White, \$5. R. L. Snodgrass, Augusta, Kan.

WHITE SWEET CLOVER, BEST QUALITY cheap. Unequaled permanent pasture. Minimum labor. Sow on damaged wheat. Pasture after harvest. Information. John Lewis, Virgil, Kan.

MELON SEEDS, THE BEST THE WORLD produces. Raised on our own ranches, large and small. Buyers should ask for catalog and prices. H. Van Buskirk Seed Co., Rocky Ford, Colo.

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Poultry Edition

January 28

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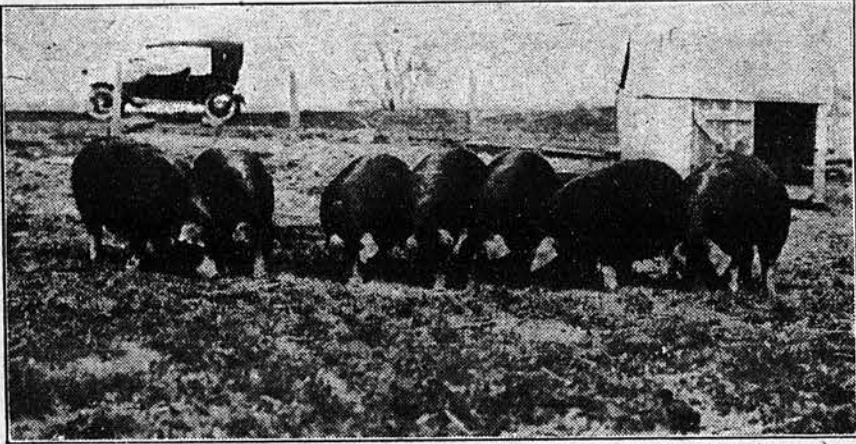
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Farm Outlook is Improved

Nation's Crops Worth Nearly 6 Billion Dollars

BY JOHN W. WILKINSON



Good Hogs Will Prove Not Only Real Mortgage Lifters for Kansas Farmers This Year But They Also Will Help Them to Market Their Corn

CONDITIONS in farming, business and industrial circles are much better now than they were a year ago and indicate that everything is getting back to a normal basis again. Of course the low prices received for farm crops and livestock have proved very discouraging, but it is believed that the worst of the period of depression along these lines has been passed and that under the influence of the legislation recently enacted by Congress for the benefit of agricultural industry there will be a revival of interest in farming.

Final estimates of the crop production of the Nation as made by the Department of Agriculture late in December bring out many interesting facts. The total value of the principal crops in 1921 was \$5,676,000,000 as compared with \$9,075,000,000 for last year, and \$13,689,000,000 for 1919. The corn crop heads the list for 1921 with a value of \$1,305,000,000 as against \$3,230,000,000 a year ago. Wheat is valued at \$837,000,000 as compared with \$1,297,000,000 for 1920. Oats for 1921 are valued at \$321,000,000 as compared with \$688,000,000 in 1920. Returns from barley show a total of \$63,788,000 and rye a total of \$40,680,000. Tame hay is valued at \$989,693,000 and wild hay at \$101,083,000.

Wheat Condition 76 Per Cent

The new wheat acreage of the United States is estimated at 44,293,000 acres which is 1.2 per cent lower than the estimate made by the United States Department of Agriculture a year ago. The general condition of winter wheat is rated at 76 per cent which is said to be the lowest ever reported for December. The December condition for 1920 was 87.9 per cent and the 10-year December average is 88.4 per cent. The continued dry weather in Western Kansas, Western Oklahoma and a large part of Texas is causing considerable alarm and unless rains or snows supply the needed moisture soon a large part of the wheat acreage in the sections mentioned will be abandoned. However, such abandoned areas will be replanted to corn, kafir, cane or other crops adapted to those sections.

Farmers in Kansas are still expecting to see a change in the weather this month that will bring about more favorable conditions for wheat. In the weekly report of the Kansas state board of agriculture, J. C. Mohler, secretary of the board says:

"From 1/2 to 1 inch of rain and snow fell in the east border counties of the state on Monday and Tuesday of last week, being somewhat heavier in the southeast than elsewhere. Only traces of snow are reported thru central and north central counties and a light sleet and snow storm in the western part of the state. The moisture has been of very little benefit to crops and the alternate freezing and thawing which has been going on in Eastern Kansas during the past two weeks is not the best for wheat.

"The county agents of Allen and Cherokee counties report wheat fields as infested with green bugs, this pest being particularly bad in Allen county where many spots in wheat fields are reported dead. The drouth is still in evidence thru central and southwest counties and is having a very depress-

ing effect upon farming conditions in those sections. Very little livestock is moving to market but the better classes of stock especially of swine, are in good demand at sales.

"Much interest is being manifested in the farmers' meetings that are being held in Topeka this week and hope is expressed on all sides that marketing plans finally may be developed whereby all existing organizations may work together with the one aim of helping the farmer in this, his hour of need."

County Crop Reports

Considerable plowing and disking have been done in the southeast quarter of the state, where the ground has not been frozen much this winter, but elsewhere the soil is too dry and hard for this work. Farmers in all parts of the state are taking advantage of the exceptionally good condition of the roads to haul grain to market and get in feed crops for stock. Some corn is being shucked in all parts of the state and shelling is under way. In the southwest counties threshing of grain sorghums is in full sway.

Local conditions of crops, livestock and farm work in the state are shown in the following reports from county

correspondents of the Kansas Farmer and Mail and Breeze:

Bourbon—We are having excellent weather but it is still very dry. Stock water is getting very scarce but wheat looks fairly well. A number of public sales are being held and livestock brings fair prices. Corn is worth 32c; kafir, 40c; cream, 31c and hogs are 6 1/2; eggs, 35; hens, 17c.—Oscar Cowan, January 7.

Clay—Farmers have been putting up ice before warm weather comes. The ground is very dry and farmers are hauling water for stock while others are digging wells. Farmers are cutting wood and choring now. Wheat is worth 34c; butter, 25c; butterfat, 32c and eggs are 32c; hogs, \$6.50; potatoes, \$1; oats, 30c.—P. R. Forslund, January 7.

Dickinson—We have been having excellent winter weather. Farmers are cutting wood, butchering and getting their meat cured for the coming year. The hens are on a strike and are not laying many eggs. A considerable amount of wheat is going to market. Not many sales are being held. Wheat is worth from 38c to \$1.—F. M. Larson, January 7.

Cherokee—We are having excellent winter weather. There was no snow and very little ice at Christmas time. A considerable amount of plowing for spring crops has been done. This fall has been ideal for pasturing wheat, and the fields which were pastured are in good condition at present.—L. Smyres, January 7.

Elk—We have had pleasant weather all winter until the present time. Stock water is scarce on some farms. All kinds of livestock are doing exceptionally well. There have been fewer sales of stock and farm crops this winter than any winter on record. Hogs are scarce and are in good demand, but horses and stock-cattle are next to worthless.—D. W. Lockhart, January 7.

Hills—We are having dry weather again, and a good snow is needed. Farmers are putting up their ice now; it is from 6 inches to 9 inches thick. Livestock does not look very well, and it will take a considerable amount of roughness to winter them thru the winter. Wheat is being marketed and is worth from 85c to 95c; corn, 50c; butterfat, 35c and eggs are 35c.—C. F. Erbert, January 7.

Franklin—Dry weather still continues, the light snows making but little moisture. Stock water is getting scarce in some localities. We have had very little cold weather so far. Feed is plentiful and the dry weather makes feeding conditions ideal. All kinds of livestock are in good condition. Very few sales are being held and prices are generally low. No. 1 wheat is worth 90c; corn, 40c and oats are 30c.—E. D. Gillette, January 7.

Gray—We have had excellent weather during the past week, succeeding the cold snap of the week before. Wheat needs moisture badly. All kinds of livestock are in good condition. Corn shucking is nearly completed and seed is threshed also. The yield of corn was from 20 to 40 bushels an acre. Shelled corn is worth 35c; wheat, 95c; cream, 30c and eggs are 42c; hogs, \$5.75.—A. E. Alexander, January 7.

Greenwood—Dry weather still continues. Nearly everyone is hauling water. No public sales are being held. Cattle are in excellent condition as this has been a fine winter for feeding. Farmers are sawing wood and threshing kafir. The price of corn is advancing a little. Eggs are worth 38c; shorts, \$1.35 and bran is \$1.15.—A. H. Brothers, January 7.

Harvey—The weather still continues to be excellent for out door work, especially chopping wood. All kinds of livestock are doing

well on wheat pasture, alfalfa and silage. Butter is worth 35c and eggs are 40c; potatoes, \$1.20 to \$1.60; apples, \$1.75.—H. W. Prouty, January 7.

Jackson—We are having excellent winter weather but the ground is getting very dry. Wheat looks green but needs moisture. This is excellent weather for feeding stock. More cattle than usual are being fed this winter. Horses bring very unsatisfactory prices at public sales. Corn is worth 31c; wheat, \$1 and hogs are \$6.50.—F. C. Grubbs, December 31.

Jewell—Dry weather still continues and stock water is scarce in some parts of the county. Wheat which was sown in September is still in dry ground. Not many public sales are being held. The only excitement here is about the bond issue for \$80,000 to build a school house in Jewell Rural High School District No. 4. Wheat is worth 90c; corn, 30c; cream, 32c and eggs are 30c; hens, 17c; turkeys, 30c.—U. S. Godding, January 5.

Linn—Stock water is plentiful but it is getting rather dry for the wheat and plowing. The ground is frozen some now, and it is a good time to feed. Corn husking is nearly completed and stock are in the fields. Very few sales are being held. Some hogs are being shipped out and a few farmers are feeding cattle for market. Crude oil is worth \$2 a barrel. Many of the drillers are taking a layoff. Eggs are worth 40c; oats, 25c and corn is 32c.—J. W. Cline-Smith, January 8.

Marshall—We are having pleasant weather but it is still dry and wheat is not doing well. The ground is not frozen very deep and if we get much wind some wheat will blow out. A considerable amount of corn is being marketed at 30c and 32c. Wheat is worth 90c; millet from 35c to 50c; bran, 90c; cream, 30c and shorts are \$1.15; eggs, 30c; hens, 18c; roosters, 16c.—C. A. Kjellberg, January 9.

Osage—We have had very little moisture and wheat has not improved any. Spring pullets are not for sale or trade. Hogs and cattle are doing fairly well. Feed of all kind is plentiful. Very little hay is being shipped out. Eggs are worth 40c and cream is selling for 35c; corn, 35c; wheat, 95c.—H. L. Ferris, January 9.

Pawnee—It is very cold and we need moisture. Some of the wheat is very poor. All kinds of livestock are in fair condition. Feed is plentiful. Corn husking is completed. Farmers are all butchering cattle and hogs. Taxes are unusually high. The stores report a fair holiday sale of goods.—E. H. Gore, January 9.

Rawlins—We have been having mild weather. On January 3 we had a misty rain, and January 4 the ground was covered with snow which has melted rapidly and soaked into the ground. This will be very helpful to the wheat. Wheat is worth around 90c; corn, 30c; butter, 35c; bran, \$1.10 and shorts are \$1.45; eggs, 35c.—A. Madsen, January 8.

Saline—Dry weather still continues, and it is windy, but otherwise we are having excellent weather. All kinds of livestock are in good condition. Hogs are scarce. The fall crop of pigs is very light. Some corn and a little kafir have been shipped here. Corn is selling for 45c and kafir 55c a bushel. Rough feed is plentiful. Very few farmers are full feeding cattle. An unusually large amount of road work has been done this winter. Wheat is worth 95c; butterfat, 34c and eggs are 31c and 32c; hogs, 3 1/2c to 6 1/4c.—J. E. Nelson, January 7.

Sumner—We are having warm, dry weather but we have had no moisture. All kinds of livestock are in good condition. Many cattle are being fed here this winter. No sales are being held. Wheat is worth \$1; corn, 35c; butterfat, 32c; butter, 35c and oats are 30c; eggs, 36c; hens, 17c.—E. L. Stocking, January 7.

Washington—We have had exceptionally good weather the last two weeks but we still need moisture very much. A good level snow would be appreciated. All kinds of livestock are doing well. Farmers are cutting wood. Wheat is worth 93c; corn, 35c; prairie hay, \$7.50; butterfat, 30c and eggs are 32c; hens, 19c; spring chickens, 17.—Ralph B. Cole, January 7.

Big Program for Club Workers

Boys' and girls' club members will be given special entertainment at the Kansas State Agricultural college during Farm and Home Week, by a program which will include tours of the campus, games, judging contests, and demonstrations on cropping methods, poultry culling, and livestock management, for boys, and also jelly, cake, and bread making for girls. The program begins on Monday evening, February 6, with the first general assembly, and closes Friday morning, February 10, with the Achievement day exercises.

Speakers who will head the program are President W. M. Jardine; H. Umberger, dean of extension; R. W. Morrish, state club leader; M. F. Ahearn, director of athletics; Ira Pratt, head of the department of music; Dr. H. T. Hill, head of the department of public speaking; and Dr. Helen B. Thompson, dean of home economics.

The Kansas Bankers' association will pay the expenses of state, county, and local club champions to Farm and Home Week. The club department is offering a silver loving cup this year to the county club best represented. Award will be on the basis of numbers present, total miles traveled by the county delegation, and percentage of local clubs represented.

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.

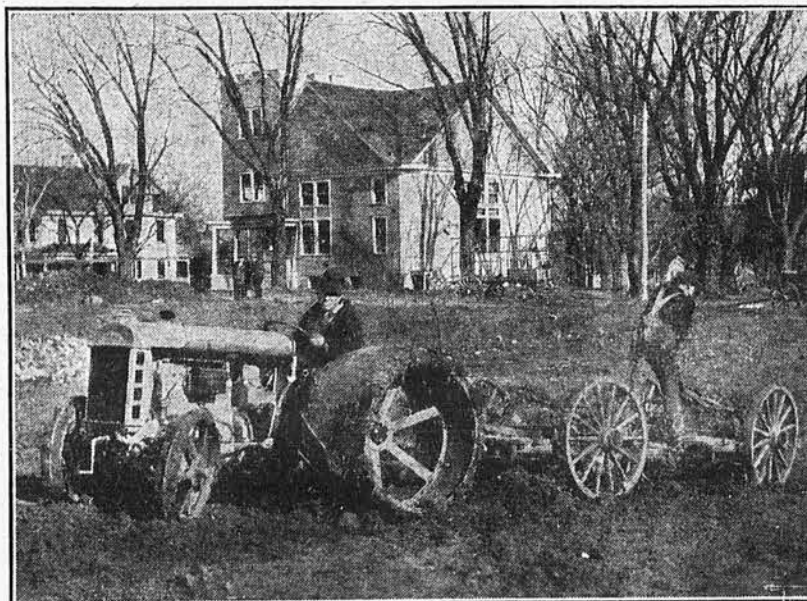
More New Jobs For Tractors

BY FRANK A. MECKEL

THE old idea that tractors are for plowing and for nothing else is being disproved every day, and tractors are being used for a greater and greater assortment of jobs both in the country and in the city. The tractor here shown was hard at work excavating a basement for a large school building in Lawrence recently. It was pulling two large wheel scrapers, and moving as much dirt as half a dozen men and teams could have moved in the same amount of time.

The operator would pull into the excavation with his two scrapers where a helper would drop the blades and thus fill first the front and then the rear scraper with the stiffest kind of clay soil. It was quite a pull, but the tractor did not stick a single time. As soon as the scrapers were filled, the operator threw it into "high" and raced out of the hole with his load, dumped it and was back for more in less time than it takes to tell it.

Tractors are finding a field for good productive work in a great many industries. Most up-to-date contractors are now equipped with one or more of these machines for doing heavy duty work.



The Real Estate Market Place

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All advertising copy discontinuance or 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.

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

FOR SALE—10 homes, \$1,200 to \$1,500. Mrs. Bell Keys, Neodesha, Kansas.

WRITE for list eastern Kan. farms, ranches, The Eastern Kan. Land Co., Quenemo, Kan.

200 ACRES, near Emporia, well improved, \$55 per acre. T. B. Godsey, Emporia, Kan.

EASTERN KANSAS FARMS, Lyon and Coffey Co. Ed. F. Milner, Hartford, Kansas.

GOOD LYON COUNTY improved farms, \$60 acre, up. Ira Stonebraker, Allen, Kansas.

GOOD JACKSON CO. improved farms for sale. Melvin Ward, Holton, Kan.

80 ACRES improved. Price \$75 acre, small payment, balance 5%. 640 a., improved, \$50 acre. P. H. Atchison, Waverly, Kansas.

640 A. level buffalo grass land, \$25 a. 10 miles town of 3,500; 1/2 down, balance to suit 7%. Write Box 135, Satanta, Kansas.

480 ACRE stock and grain farm, 2 1/2 miles Mankato, Jewell county. Priced to sell. Write W. T. Bishop, Winona, Kansas.

320 ACRES of choice wheat land, Sheridan county, Kansas, \$16,000. Liberal terms. J. S. Hole, Owner, University Place, Neb.

APPLE ORCHARD (80 A.) for sale, 40 a. bearing, good imp., elec. lights, tel., daily mail station 1/4 mi. A. A. Quinliss, Linwood, Kans.

CREEK and river bottom and upland farms for sale from \$75 per acre up. R. K. Johnson, Hartford, Kansas.

CHOICE SPECULATION, 480 acres Wichita county, level, all grass, unimproved, \$15 acre. Jas. H. Little, LaCrosse, Kansas.

80 A. well improved, 2 mi. paved road Sumner Co. Will sell or lease 160 a. adjoining. Price \$100 per a. Good terms. Box 118, R. F. D. 5, Wichita, 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, Jackson Co., near Hoyt, Kan. Most all tillable. Price \$60 per acre. Mansfield Land & Loan Co., 312-13 New England Bldg., Topeka, Kansas.

Proposes Farm Credit System

A system of banks or trust companies, under state or federal charter, to assemble the farmers' notes or evidences of credit, to issue short term bonds upon these, and to obtain from the borrower annually or more often, partial payments to apply as a sinking fund with opportunity to pay more or less from year to year according to the condition of the crops and prices—such is the solution of the farm credit problem proposed by Dr. John Lee Coulter, president of the North Dakota Agricultural college, at the annual meeting of the North Dakota Farm Bureau Federation at Fargo recently.

The present credit system is designed for the merchant or manufacturer with their quick turnover, Doctor Coulter says, and is entirely unsuited to the farmer, with his long turnover period.

Sudan Crop Worth 10 Million

From an 8-ounce package of seed, introduced from Africa in 1909 thru the efforts of C. V. Piper, of the United States Department of Agriculture, the growing of Sudan grass has rapidly increased until in 1918 the value of the crop in the United States was estimated to be 10 million dollars and its popularity is said to be greater here than in its native country. This new grass has proved best adapted to the southern half of the Great Plains in Texas, Oklahoma and Kansas. It does not succeed well at high altitudes nor within 200 miles of the Northern boundary of the United States. It has a high water requirement, but it withstands drouth well and recovers quickly when rain comes.

The new 56,000-ton liner Majestic, the largest ship in the world, now in course of construction at Hamburg, Germany, will be ready for trans-Atlantic service next spring. It will carry 4,100 passengers and a crew of 1,100. The four huge turbines will develop from 62,000 to 64,000 horsepower.

KANSAS

40-80-120, all imp., 2 to 8 miles Ottawa. These farms must be sold. Owners will sacrifice, good terms. If you want a bargain come quick. Spangler Land Co., Ottawa, Kan.

SOUTHEASTERN KANSAS. Good farm lands. Low prices, very easy terms. Exchanges made. Send for booklet. The Allen County Investment Co., Iola, Kan.

FINE FARM HOME: Well imp. 160 a. 1 mi. Rush Co. town, all good level land, 80 a. wheat, all goes, 80 grass. Price \$55 a. Terms. H. L. Baker, LaCrosse, Kan.

1,520 ACRES, five miles town, on county highway, good fences, running water. Price \$25 per acre. Write for list and Kansas map. Mansfield Investment & Realty Co., Healy, Lane County, Kansas.

FORCED SALE—80 acres, 6 room house, good barn. 50 acres under plough. All tillable. Price \$6,000, \$800 cash, balance long time. Come at once. The Allen County Investment Company, Iola, Kansas.

FOR SALE—16 a. in edge of town, 5 room house, new henhouse, barn 12x30, cement cellar, windmill on creek, timber and water, consolidated school, 4 churches. Price \$4,000. Terms. Write Owner Leo Gish, Alexander, Kas.

FOR SALE—Fine suburban home, Topeka, Kan., facing Washburn college and high school campus. 8 large rooms, furnace heat, attractive architecture, ornamental grounds with 10 acres, \$10,000. With 28 acres, \$15,000. Owner F. L. Peacock, Topeka, 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.

80 Acres Only \$200

Home farm. Sumner Co. 25 a. pasture, 50 a. cult., 5 room house, good barn, etc. Poss. Only \$200 cash, bal. \$300 yearly. R. M. Mills, Schweiter Bldg., Wichita, Kan.

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.

180 ACRES, 1 1/2 miles to college, church, asphalt road, 120 a. cleared, fine productive valley land. Fair improvements, cold spring water, fruit, \$2,500, 1/2 cash. Durham & Co., Conway, Arkansas.

CALIFORNIA

LEVEL PECAN, garden and farm land, ten to fifty dollars. Poormans Cal. A. M. Rayl, Stateline, Miss.

COLORADO

MONTE VISTA, Colorado, in heart of greatest producing farm land in Colorado. Write for free literature. Fouquet Investment Co.

320 ACRES, well located, imp., corn, wheat and potato land, 100 a. in corn this year. \$15 per a., terms. Good big cattle ranch. Cheap. 160 a. relinquishment, \$500. H. E. Huston, Ordway, Colo.

640 ACRES, fenced, 34 miles east of Denver on highway and R. R., three miles to good town and schools, small payment down, balance crop payment. Can lease improved 600 acres joining this to good farmer. Fine stock and dairy place. A. N. Mitchem, 468 Gas & Electric Bldg., Denver, Colorado.

715 ACRES of the finest land you ever saw. 175 wheat, 60 alfalfa, 2 sets buildings, school adjoining, 5 miles to railroad town, 45 to Denver. Two families can buy this at \$45 per acre, small payment down, crop payments at 6% on balance. Write quickly. Fredericksen Investment Company, 321 Simes Bldg., Denver, Colorado.

IMPROVED FARM

800 acres with feed, implements, dairy cows, horses, etc., winter wheat and rye in and good, produced 30 bu. last year, two miles to town, five thousand cash. Twenty years without interest in equal payments, one thousand each year. Best offer ever made. B. M. Narron, Elbert, Colorado.

FLORIDA

FOR FLORIDA LAND, wholesale, retail, or exchange, write Interstate Development Co., Seacrit Bldg., Kansas City, Mo.

FOR FLORIDA HOMES. Fine groves, farms, ranches, timber tracts, colonization lands, exchanges, investment. Write Boyer & Ward, Kissimmee, Florida.

MONTANA

FARMERS and renters are coming to north-eastern Montana to better their condition thru our "Own Your Own Farm Plan." Booklet free. C. E. Taylor Land Co., Saco, Mont.

BUY A FARM in the famous Milk River Valley. This valley was once the bottom of the big Missouri River, the richest and most productive soil in the world. You can pay for one of our improved farms with the money you have to pay out as rent in two years in the East. Get our illustrated booklet it tells you all about it. Farmers Land Exchange, Saco, Mont.

MISSOURI

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.

FREE LISTS about Ozark farms. Write Roy & Stephens, Mansfield, Missouri.

LAND AT WHOLESALE. Cheap unimproved lands for agents, traders and investors. Cash and terms. L. B. Womack, Houston, 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.

MISSOURI, \$5 down, \$5 monthly buys 40 acres truck and poultry land near town southern Missouri. Price \$200. Send for bargain list. Box 276, Springfield, Mo.

MICHIGAN

200 ACRES, 10 cleared, bal. oak timber, 1/4 mi. R. R. station, level, \$9 a., \$200 cash, \$20 mo. Evans-Tinney Co., Fremont, Mich.

NEBRASKA

FOR SALE—160 a. bottom farm. Fine improvements. 2 miles from town. Fine school. Price \$100.00 per acre, terms \$3,500.00 down, balance on long time. Hurry, this will not last long. S. M. Wyatt, Atlanta, Nebr.

NEW MEXICO

200 ACRES, irrigated land, 25 cows, milk route, a bargain. W. C. Cox, East Las Vegas, New Mexico.

OKLAHOMA

OKLAHOMA farms. Write for free farm booklet. Board of Commerce, Shawnee, Okla.

OREGON

640, 840, OR 1080 ACRES, three good stock and grain ranches. These are together in one ranch and will divide good. There is free water right for 170 acres; about 600 acres wheat land. Will sell together or divide. No middle man commission. Lock Box 545, Heppner, Oregon.

TEXAS

600 ACRES, Brazoria county, rich alluvial land, houses, water, part cultivated, balance pasture, \$27.50 acre. A. F. Purdy, Carter Bldg., Houston, Texas.

VIRGINIA

FARM, timber, mineral properties. S. P. Powell, State's Attorney, Spotsylvania, Va.

SALE OR EXCHANGE

FARMS and city property, sale and exchange. Write H. A. Lee, Box 216, Nevada, Mo.

REAL ESTATE for sale or exchange. Give me your wants. N. Smith, Quinter, Kan.

IMPROVED FARM southern Missouri. As little as one-tenth down and as much as 10 years on the balance. E. E. Lugeanbeal, Owner, Elk City, Kansas.

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Improved eastern Kansas farms, \$75 up, city property and merchandise. What have you? S. A. E. Moore, Carbondale, Kansas.

360 ACRES, 5 miles Ottawa, nearly all creek bottom. Extra fine. Will exchange for smaller or income. Exchanges a specialty. Franklin Co. Inv. Co., Ottawa, Kansas.

TOWN PROPERTY, a block with good imp. 7 r. house, garage, other outbuildings, good well and cistern, shade and fruit trees, splendid schools and churches. Trade for cattle. Write Harry C. Anderson, Americus, Kan.

SALE OR EXCHANGE

FARMS, city property, suburban homes. Sale or trade. Soule & Pope, Emporia, Kansas.

240 ACRES in southeastern Idaho. 60 a. broke, 160 a. fenced, good black soil. This is good beet land. Will sell for \$30 per a. or trade for good improved 80 in eastern Kansas. Write to G. H. Piper, Manhattan, Kan.

FOR SALE OR EXCHANGE for mdse, or income property or smaller Kansas farm. 200 a. improved farm 1 mi. N. of Upton, Texas Co., Mo. For particulars, address R. S. Handy, Fowler, Mo.

400 ACRE improved stock and grain farm. High class proposition. Want smaller farm. Write for description, giving full particulars. Mansfield Land & Loan Company, Ottawa, Kansas.

165 ACRES, 7 miles to a good town in Pottawatomie county, 45 a. bottom land. Choice stock and dairy farm. Owner wants good property in northeast Kansas. Mansfield Investment Co., Lawrence, Kansas. J. A. Mansfield, Manager, First Floor, Perkins Bldg.

130 ACRE improved irrigated alfalfa and feeding farm, two miles from Denver, Colo. Price \$30,000; will accept half purchase price, clear income property and carry balance on farm five years 6% interest. 480 acres one mile from Colby, Kansas. Want merchandise or income property. Price \$50 per acre. H. B. Ackard, Colby, Kansas.

REAL ESTATE WANTED

WANTED—To hear from owner of land for sale. O. K. Hawley, Baldwin, Wis.

FARM WANTED—Wanted to hear from owner of a farm for sale. Give lowest price, full particulars. L. Jones, Bx 275, Olney, Ill.

WANT TO HEAR from party having farm for sale. Give particulars and lowest price. John J. Black, Copper St., Chippewa Falls, Wis.

I HAVE CASH BUYERS for salable farms. Will deal with owners only. Give description and cash price. Morris M. Perkins, Columbia, Missouri.

MISCELLANEOUS

SELL, BUY OR EXCHANGE, farm or city property, quickly, no matter where. Circular "B" free. Farm Sales Bureau, Barry, Ill.

SELL YOUR PROPERTY QUICKLY

for cash, no matter where located, particulars free. Real Estate Salesman Co., 515 Brownell, Lincoln, Neb.

FREE GOVERNMENT LAND, millions of acres open for settlement in 24 states, full information 25c. U. S. map free state maps 10c. H. G. Mosher, 311 Main, Schell City, Mo.

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.

118-Acre Farm With Furniture, 10 Cows
Hay, potatoes, oats, fodder, etc., included; in prosperous farming district, short walk store, church, school, etc., convenient live R. R. town. 75 acres rich loam tillage, 20-cow pasture, woodlot, fruit; good house, running water; 60-ft. barn, stable, sheds, etc. Owner retiring \$2,500 takes all, part cash, easy terms. Details and photograph page 24 illus. catalog 1100 bargains. Free. **STROUT FARM AGENCY**, 831GP New York Life Bldg., Kansas City, Mo.

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Lowest Current Rate
Quick Service. Liberal Option.
Interest Annual or Semi-Annual.
THE PIONEER MORTGAGE CO.,
TOPEKA, KANSAS.

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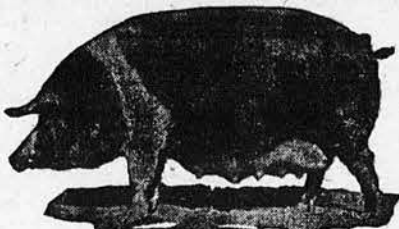
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Four Years the Best Meat Type Hampshires

The International Livestock Show is the test of hog producing power. Hampshires have won the grand championship in this test four years in succession—1918, 1919, 1920, 1921—in the hands of average farmers. No experts needed to make Hampshires win. Hampshires are the greatest of all forage hogs, making the highest-priced pork out of the cheapest feeds on the farm. Active, vigorous and healthy they raise exceptionally large litters. At the International they have shown, almost without exception, the heaviest spring pigs of any breed, carrying always the heavy, high killing, lean meat type. For free Hampshire information and for names of breeders in your neighborhood, address

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Fashionably Bred Hampshires

As we are changing location are forced to sell a few choice tried sows and gilts, we had reserved for our own use. All are bred to a son of Gm Tipton Asain 94263 and are themselves Gm Tipton, Gm Allen, DeKolb's King and Pat Maloy breeding. For quick sale: sows \$40.00, gilts \$25.00, also one choice spring boar \$25.00.
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Walter Shaw's Hampshires

200 HEAD: REGISTERED, Immured, tried bred sows and gilts, serviceable boars.
WICHITA, KANSAS, RT. 6, Telephone 3918, Derby, Kan.

Whiteway Hampshires On Approval
Quality bred sows and gilts bred to junior champion. Also fall pigs. F. B. WEMPE, FRANKFORT, KAN.

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Choice gilts, weight 250, tried sows 300 to 500 pounds. Weanling pigs, 40 to 50 pounds. Shipped on approval. S. W. Shinneman, Frankfort, Kan.

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1886 1921 Tomson Shorthorns

Sires in Service
Village Marshall Marshall's Crown
A remarkable collection of breeding cows of most approved blood lines and noted for their uniform thick fleshing qualities. We offer a choice lot of young herd bulls of the correct type sired by Village Marshall and Marshall's Crown. Closely related to our prize winners. Address
TOMSON BROS.
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Am Dispersing My Entire Herd SHORTHORNS At Private Sale

This includes Imp. Lawton Tommy, several good Scotch and Scotch Topped cows and heifers, some by this great bull, also a few good young bulls. There are two real herd head prospects. I am pricing these very reasonable.
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Pleasant Acres Sultan young bulls and yearling heifers for sale. A few cows with calves at foot. We can satisfy any beginner or the most discriminating breeder. Let's hear from you.
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Shorthorn herd bulls for sale. A number of choice young bulls and Idlewild Rex by Royal Rex 3rd, a select lot of females, and a number of Duroc bred gilts. Write or visit
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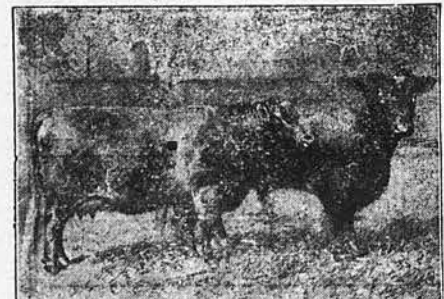
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Reds, whites and roans. Scotch and Scotch topped. Write your needs and come and see us.
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Priced right. W. T. Blackwill, Quinter, Kan.

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200 POLLED SHORTHORNS



Some of the best of breed. Males and females for sale. Serviceable stock. Priced at \$75 to \$150. Will deduct car fare mileage. Come.
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Polled Shorthorn Cows With Calves
also some heifers. John Maurer, Glen Elder, Ks.

GLENROSE LAD 506412
the best dairy Shorthorn bull in the west. We can't use him longer. For description and price address
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35 Mammoth Jacks

Big heavy bone, black jacks, 15 and 16 $\frac{1}{2}$ 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.
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FINE LARGE BLACK STANDARD BREED
and two fine large black saddle bred stallions, \$400 each, cash only. H. G. Shore, with August Clothing Co., Topeka, Kansas.

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You Can Buy Red Polled Bulls

of serviceable ages from the Springdale herd with quality and breeding priced as a dispersal sale. Also choice matrons and heifers. Write for descriptions and prices to T. G. MCKINLEY, ALTA VISTA, 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
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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.
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PROMISING HERD PROSPECTS.—Young stock from ancestors holding all world records for milk and beef. F. S. Jackson, 901 Lane St., Topeka, or John Sanborn, Maple Hill, Kansas.

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18 from 12 to 18 months old. 12 that are from six to 10 months old. Real herd headers.
J. D. MARTIN & SONS, Lawrence, Kan.



JERSEY CATTLE

Hillcroft Farms Jerseys headed by Queen. announced the best bred Jersey bull in Missouri, a Register of Meritson of Raleigh's Fairy Boy, the greatest bull ever imported, 54 tested daughters, 86 tested granddaughters and 34 producing sons. Choice bull calves for sale. Reference Bradstreet
M. L. GOLLADAY, PROPR., HOLDEN, MO.

Bull No. 199701

Dropped September 22, 1920
Sire, Red Flag Warden 154704 by Red Flag's Fern Flag by Golden Fern of Liden by Imp. Golden Fern's Lad. Dam, Oxford's Fontaine Rosabel. Reg. Merit, 705 lbs. fat 365 days. Dam, Ruby's Gold Maid 409649, 48 lbs. fat in January. \$100.
W. E. KING, WASHINGTON, KANSAS

Two Registered Jersey Bulls For Sale
One yr. old, Owl's Interest breeding, out of dams giving 40 pounds of milk. Bert White, Clay Center, Kansas.

Scantlin Jersey Farm, Savonburg, Ks.
Financial Kings. Raleigh and Noble of Oakland breeding.

GALLOWAY CATTLE

Reg. Galloway Bulls For Sale
Address Fashion Plate, Silver Lake, Kan.

When writing advertisers mention this paper.

More Interest in Feeding

Hogs and Lambs are Higher and Cattle are Steady

BY WALTER M. EVANS

THE present year it is thought will bring eventually a considerable interest among farmers in cattle and hogs and ultimately there will be a real revival of the livestock industry. Nearly every farm has a surplus of corn and other feeds for which a market outlet must be found. The great abundance of these feeds has made it impossible to sell them to any advantage at the present cash prices on the open market. Packers seem to think that there will be an increasing demand for meat products during the year so that a greater demand for cattle and hogs will result and better prices will follow as a natural consequence.

At the same time the low prices offered for corn will make it more profitable for farmers to feed and market it thru the livestock route than to sell it in the open market. Livestock men who have to buy a large part of their feed will also be encouraged to extend their feeding operations because the cheap feeds will give them a wider margin for possible profits. In the future it is going to be much easier to borrow any money that may be needed to finance livestock operations.

Help for Stock Men

The Kansas statutes provide that any accredited bank or loan agency or any corporation organized for the purpose of lending money for agricultural purposes can borrow money direct from the War Finance Corporation to the limit. This is the statement of J. H. Mercer, secretary of the Kansas Livestock association, who is urging Kansas financial institutions to extend additional credit to livestock producers by taking advantage of the facilities offered by the War Finance Corporation.

"Any such bank, loan agency or corporation," Secretary Mercer said, "also can rediscount any livestock or agricultural loans accredited by the loan agency of the War Finance Corporation, located at Kansas City, and accepted by the board in Washington."

Mr. Mercer suggests that anyone interested write the War Finance Corporation, Room 961, Livestock Exchange Building, Kansas City, Mo. The Kansas Farmer and Mail and Breeze will be glad to have its readers advise its editors whether they have had any difficulty in getting their applications for livestock loans approved by the War Finance Corporation.

The National Livestock Producers' association sponsored by the American Farm Bureau Federation has completed its organization and soon will be in a position to render valuable aid to feeders in marketing their livestock. The general offices of the association have been opened in the Transportation Building, 608 South Dearborn Street, Chicago, Ill. Questions in regard to co-operative livestock marketing according to the plan of the Farmers' Livestock Marketing Committee of Fifteen if addressed to President John G. Brown at that place will receive prompt attention.

During the last two weeks livestock markets have been more or less nervous on account of the strikes at the various packing plants in the country. A restricted output resulted and a congestion in the livestock market followed that held prices down. A rest cure for the market and a slackening of heavy shipments would certainly be helpful in stabilizing and maintaining better price levels.

Kansas City Markets

However, despite adverse conditions hogs and lambs were higher this week at Kansas City and fat cattle were steady. Fat lambs sold up to \$11.75, the highest price paid this season. Compared with a week ago, quotations are up 75 cents. Hogs sold up to \$7.60, and bulk of offerings brought \$7 to \$7.40, or 25 cents above Thursday and 25 to 40 cents above a week ago. Trade in cattle was quiet at the close of the market, owing to the small supply offered. Prices in plain to fair steers are slightly lower for the week, and the better grades are fully steady.

Receipts this week were 29,975 cat-

tle, 4,000 calves, 34,900 hogs, and 18,700 sheep, compared with 22,400 cattle, 4,000 calves, 31,850 hogs, and 25,150 sheep last week, and 28,240 cattle, 4,825 calves, 45,075 hogs, and 33,200 sheep a year ago.

Trade in the better classes of fat steers this week was active, at fully steady prices, but the plainer kinds showed a moderate decline. Demand for weighty steers improved materially. Choice heavy steers sold up to \$8 and prime handy weight steers up to \$8.25. The bulk of the good to choice fed steers brought \$6.75 to \$7.75 and plainer kinds \$5.50 to \$6.50. Most of the fat cows sold at \$4 to \$5.50, and fat heifers \$4.75 to \$6.50. A few choice heifers brought \$7.25. Veal calves were 50 cents higher, and the top was \$9. Bulls sold at \$3 to \$4.50.

Trade in stockers and feeders was active at steady prices. The volume of trade was held in check by the small supply offered. Feeders are taking half fat steers freely, and from now thruout the winter, feeder demand is expected to be large.

Urgent Demand for Hogs

Demand for hogs this week was urgent and prices rose sharply under an active demand. Shippers paid a big margin all week for 140 to 190 pound grades, and late in the week were buying 225 to 240-pound classes close to the top. The top price at the close of the market was \$7.00, and bulk of the offerings brought \$7 to \$7.40. The strong shipping demand at Kansas City is forcing packers to pay much higher prices than they had anticipated.

Sheep are up 50 cents and lambs up 75 cents this week. Fat lambs sold up to \$11.75 the highest price in several months. Receipts are barely equal to urgent needs. Fat yearlings are quoted at \$9 to \$10, wethers \$5.75 to \$6.50, and ewes \$4.25 to \$4.75.

Horses and Mules

Mules were quoted this week at Kansas City \$5 a head higher, and horses steady, compared with last week. Demand was more active, and dealers expect a further improvement in demand this month.

At Chicago chunks weighing 1,500 pounds sold at prices ranging from \$150 to \$200 a head; chunks weighing 1,300 to 1,450 pounds brought from \$125 to \$160 apiece; light farm chunks sold at \$75 to \$100 a head.

Dairy and Poultry

Only slight changes in dairy and poultry products are reported this week. The mild weather and the open winter have prevented the usual falling off in production and the customary advances for this season are not yet in evidence. The following quotations are given at Kansas City on dairy products:

Butter—Creamery, extra, in cartons, 40c a pound; packing butter, 15c a pound; butterfat, 31c; Longhorn cheese, 21 $\frac{1}{2}$ c; brick cheese, 20c; Limburger cheese, 26 $\frac{1}{2}$ c; New York Daisy

The Livestock Service of the Capper Farm Press

Is founded on the Kansas Farmer and Mail and Breeze, the Nebraska Farm 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, So. Kan. and N. W. Okla.
J. Cook Lamb, Nebraska.
Stuart T. Morse, Oklahoma.
O. Wayne Devine and Chas. L. Carter, Missouri.

George L. Borgeson, N. E. Neb. and Ia.
T. W. Morse, Director of Livestock Service
Kansas Farmer and Mail and Breeze
Topeka, Kansas

cheese 25c; New York Cheddar cheese, 25c.

The following prices are reported on poultry and poultry products: Live Poultry—Hens, 4 pounds or more, 23c; hens weighing less than 4 pounds, 18c; spring chickens 3 pounds or more, 20c; spring chickens less than 3 pounds, 18c; stags, 14c; roosters, 11c; turkeys, 40c; old toms, 37c; geese, 18c; ducks, 18c.

Eggs—Firsts, 36c; seconds, 27c; selected case lots, 43c.

Hides and Wool

The following prices are quoted at Kansas City on hides: No. 1 green salted hides, 7c; No. 2 green salted hides, 6c; side brands, 4c; bull hides, 4c; green glue hides, 2c; horse hides, \$1.75 to \$2.50 apiece; pony hides, \$1 apiece.

Better demand is reported in Boston and Eastern markets for wool and good wools in the grease have advanced from 1 cent to 2 cents a pound. The following quotations are given at Boston:

Half blood, 31 to 33c a pound; 3/4 blood, 31 to 32c; quarter blood, 29 to 30c; common and braid, 19 to 20c.

Oklahoma, Kansas and Nebraska wools at Kansas City are quoted as follows: Medium clear wool, 15 to 19 1/2c; slightly burry, 10 to 13c; light fine, 13 to 20c; heavy fine, 9 to 17c; common and braid, 10 to 12c.

Better Sires, Better Cows

A gain of 17 per cent in milk production and 20 per cent in butterfat production in daughters over their dams because of the use of a purebred bull is the striking result obtained in the New Windsor, Md., cow-testing association which has a bull association as a subsidiary. The records of 21 cows were compared with the records of their 21 daughters after the latter had become mature cows. The average production of the dams for one year was 5,560 pounds of milk and 219 pounds of butterfat. The daughters averaged 6,523 pounds of milk and 263 pounds of butterfat, a gain over the mothers of 963 pounds of milk and 44 pounds of fat. In the association every one of the daughters sired by one of the three association bulls was better than her dam. One of the bulls produced an average improvement in his daughters of 1,414 pounds of milk and 62 pounds of butterfat.

Livestock Diseases on Wane

Tuberculosis, the worst enemy of the livestock industry, is now definitely slated for ultimate eradication, the plan of attack having been already laid out and successfully demonstrated by the Bureau of Animal Industry of the United States Department of Agriculture. In the beginning of the campaign, which started four years ago, most of the work was devoted to cleaning up and accrediting individual herds, but now that sentiment has been sufficiently aroused, definite areas in various states are being freed of the plague, and it is shown that its eradication is as feasible as the cleaning out of the cattle tick in the Southern states.

The elimination of hog cholera is considered a remote possibility, but the bureau reminds swine growers that they may reduce their losses to a negligible amount by precautionary measures, including the serum treatment.

The Holstein Situation

H. B. COWLES

For a year, Kansas farmers have not been buying very much of anything that required cash. They are just beginning to make inquiry again for Holsteins. They recognize that this is the time to buy purebreds of any kind. Prices are at the bottom.

Any farmer has a chance to provide himself with a purebred sire for practically nothing but his keep. Just let him buy a calf now; feed him some of the surplus milk, and bring him up in the way he should go. Next fall, he will be a high-class, registered bull. When the buyer is thru with him, if he is not then in demand for service, he may be safely counted on to bring more for beef than he will cost now.

Good roads are the weapons which farmers need to fight high freight rates.

Colorado to Kansas

The Arkansas Valley Sugar Beet and Irrigated Land Company, Owners of the Amity Canal Model Dairy Farm, Holly, Colorado,

Are Consigning Five Head to the Holstein Sale at the Kansas National Livestock Show at

Wichita, Kan., Thursday, January 26

Leeta Pontiac Korndyke, age 5 yrs., made an Official Record last month of 559.3 pounds milk and 30.42 pounds butter in 7 days. It was her first test and she will be a money maker for her purchaser.

Paramity Korndyke Ormsby, born in March 1921, is one of the nicest young bulls to be seen anywhere—look over his breeding.

All our stuff is big, strong and healthy—just

the kind you need to put production in your herd.

Pioneer Oakes Korndyke Mantel, a 5 yr. old, weighs 2,000 pounds. Look her over and you won't fault her very much.

If type, capacity, vigor and breeding mean anything to you, you will want one of these animals from our celebrated herd.

We guarantee every animal sound and right. Colorado climate makes them big and strong.

The A. V. S. B. & I. L. Co., Holly, Colo.

Public Sales of Livestock

Percheron Horses

Jan. 27—Kansas National Livestock Exposition and Sales, F. S. Kirk, Mgr., Wichita, Kan.

Belgian Horses

Jan. 27—Kansas National Livestock Exposition and Sales, F. S. Kirk, Mgr., Wichita, Kan.

Shire Horses

Jan. 27—Kansas National Livestock Exposition and Sales, F. S. Kirk, Mgr., Wichita, Kan.

Jacks, Jennets and Mules

Jan. 27—Kansas National Livestock Exposition and Sales, F. S. Kirk, Mgr., Wichita, Kan.

Shorthorn Cattle

Jan. 26—Kansas National Livestock Exposition and Sales, F. S. Kirk, Mgr., Wichita, Kan.

Feb. 27—E. A. Campbell and O. A. McKenzie, Wayne, Kan.

Mar. 2—Harvey County Livestock Improvement Association, Sale at Newton, Kan.

O. A. Homan, Mgr., Peabody, Kan.

Mar. 28-30—Central Shorthorn Breeders' Ass'n, at Kansas City, Mo. W. A. Cochet, Mgr., Baltimore Hotel Building.

March 31—Ozark Shorthorn Association, Thos. Gallen, secy., Mt. Vernon, Mo.

May 10—Northwest Kansas Shorthorn breeders' association at Concordia, Kan. E. A. Cory sale manager, Concordia, Kan.

Polled Shorthorn Cattle

Feb. 13—Willson & Davison, Lebanon, Kan. Dissolution sale.

Holstein Cattle

Jan. 26—Kansas National show sale, Forum, Wichita, Kan. W. H. Mott, Sale Manager, Herington, Kan.

Mar. 3—Harvey County Livestock Improvement Association, Sale at Newton, Kan.

O. A. Homan, Mgr., Peabody, Kan.

Mar. 22—Kansas State Association sale, Topeka, Kan. W. H. Mott, Sale Mgr., Herington, Kan.

June 8-9-10—National Holstein-Friesian Assn. Convention Hall, Kansas City, Mo. W. H. Mott, Sale Mgr., Herington, Kan.

Hereford Cattle

Jan. 24—Kansas National Livestock Exposition and Sales, F. S. Kirk, Mgr., Wichita, Kan.

Apr. 19—L. J. Healy, Hope, Kan.

April 25—Northern Kansas Hereford Breeders' association, Blue Rapids, Kan. J. A. Howell, Marietta, Kan., sale manager.

May 4—Johnson County Hereford Breeders' Association, R. L. Whitsitt, Holden, Mo., Sec'y.

Aberdeen Angus Cattle

Jan. 26—Kansas National Livestock Exposition and Sales, F. S. Kirk, Mgr., Wichita, Kan.

Feb. 8—Johnson Workman, Russell, Kan.

Poland China Hogs

Jan. 16—L. H. Glover, Grand View, Mo. Sale K. C. Stock Yards.

Jan. 18—Cline Bros., Coffeyville, Kan.

Jan. 19—George Morton, Oxford, Kan.

Jan. 20—Peter J. Tisserat & Sons, York, Neb.

Jan. 26—Kansas National Livestock Exposition and Sales, F. S. Kirk, Mgr., Wichita, Kan.

Jan. 31—Chas. Krill, Burlingame, Kan.

Feb. 2—J. Rahe & Sons, Winkler, Kan.

Feb. 2—J. J. Hartman, Elmo, Kan., at Abilene, Kan.

Feb. 7—Blank Bros. & Lauer, Franklin, Neb.

Feb. 8—Dubach Bros., Wathena, Kan.

Feb. 9—A. L. Wiswell, Ocheltree, Kan.

Feb. 9—Harry Shearer, Logan, Kan.

Feb. 14—W. H. Hill, Milo, Kan., at Beloit, Kan.

Feb. 14—C. S. Nevils & Son, Chiles, Kansas.

Feb. 15—Morris County Poland China Breeders' Assn., Council Grove, Kan. A. C. Brown, Kelso, Kan., Sale Manager.

Feb. 17—Smith Bros., Superior, Neb.

Feb. 17—W. A. Davidson, Simpson, Kan.

Feb. 18—Stafford County Poland China Breeders' association, E. E. Erhart, Sec., Stafford, Kan.

Feb. 18—W. A. Prewett, Asherville, Kan.

Feb. 22—Clarence Dean, Weston, Mo. (Sale at Dearborn, Mo.)

Feb. 23—Herman Groninger & Sons, Bendena, Kan.

Feb. 24—Grover E. Sampson, St. Joe, Mo.

Feb. 24—Pratt County Poland Breeders' Association, Sale at Pratt, Kan. Mrs. C. J. Shanline, manager, Turon, Kan.

Feb. 27—E. A. Campbell and O. A. McKenzie, Wayne, Kan.

Holstein-Friesian Ass'n of Kansas

Has a membership of 500 breeders who own over 7,000 purebred Holsteins. March 22—Kansas State Association Sale, new sale pavilion, Topeka, Kan. June 8-9-10—National Association Sale, Convention Hall, Kansas City, Mo. Walter Smith, Pres., Topeka. W. H. Mott, Sec'y-Treas., Herington, Kan. This section is reserved for members of this association. For rates and other information address, Copper Farm Press, Topeka, Kansas.

WAKARUSA FARM HOLSTEINS

Nicely marked registered Holstein bull calves, some from A. R. O. dams. Price \$35 to \$50. Also three bulls ready for service. Write for description and photo. Reynolds & Sons, Box 52, Lawrence, Kan.

Corydale Farm Herd Holsteins

Bulls old enough for service, from A. R. O. dams at hard time prices. Write for information. L. F. CORY & SON, BELLEVILLE, KAN.

COWS AND BRED HEIFERS

to freshen this fall and early winter, Ormsby and Glista breeding. J. P. MAST, SCRANTON, KANSAS

FOR SALE VERY REASONABLE

12 cows, 5 two yr. old heifers, 4 yearling heifers, 4 heifer calves 1 to 6 months old. Herd bull, nearest two dams milk 23,000 lbs. Butter 1040 lbs. Other bulls ready for service. E. E. STUEWE, Alma, Kan.

BRAEBURN HOLSTEINS

Bulls: two yearling choice fall calves; by Count College Cornucopia, out of daughters of Walker Copia Champion and Korndyke Butter Boy, Jr. Time, if needed. H. B. Cowles, 608 Kansas Ave., Topeka, Kan.

REGISTERED HOLSTEINS

Bulls 2 mo. old \$25, 6 to 10 mos. old \$35 to \$50. Yearlings, large enough for service \$60. Dams heavy milkers. Sires dam 30 lb. record. Good cows at \$100. V. E. CARLSON, FORMOSO, KANSAS.

SOME CHOICE BRED HEIFERS

Bred to our junior sire, a son of King Segis Pontiac Count. Bull calves from this sire at attractive prices. Ask for photos and breeding. W. H. MOTT, HERINGTON, KANSAS

BULLS—2 WEEKS TO YEARLINGS

by King Segis Pontiac Repeater by King Segis Pontiac and out of A. R. O. dams. 2 bulls are out of my state record cow, Lillian Korndyke Sarcastic. T. M. EWING, INDEPENDENCE, KANSAS

YOUNG BULL

nearly ready for service by a 30 pound sire and out of a 20 pound two year old dam. A bargain if you write soon for photo and price. W. E. ZOLL, RT. 6, LEAVENWORTH, KANSAS

KING PONTIAC MUTUAL SEGIS

Bulls, calves to long yearlings. Priced right. Raised everything offered for sale. Tuberculin tested herd. Herd sire, King Pontiac Mutual Segis by the great King Segis Pontiac. Cleland & Williams, Hiattville, Kan.

Collins Farm Ormsby Jane King

More white than black yearling, ready for service. Sired by Vanderkamp Segis Pontiac. Dam and A. R. O. daughter of 46 pound Ormsby Jane King. Write for valuable information. Collins Farm, Sabetha, Kan.

YOUR NEIGHBOR BREEDER

If he breeds Holsteins he needs the association's help. See to it he joins. Send his name and check for \$5 to SECRETARY W. H. MOTT, HERINGTON, KAN.

Working Holsteins for Central Kansas

40 high grade cows and two and three year old heifers.

Marion, Kansas, Monday, January 30

These are Kansas cows and heifers and are thoroly acclimated and all are T. B. Tested. All are bred to pure bred bulls, many high record bulls. Some are fresh now, others by sale day and the rest will freshen soon after the sale. Note: A few pure bred bulls, good ones of serviceable ages will be sold. For further information address

Dr. C. A. Branch, Marion, Kansas

Auctioneers: Fred Ball, John McLinden.

HOLSTEIN CATTLE

We Are Offering This Week a Beautiful Yr. Bull

mostly white. Dam a 20 1/4 lb. jr. 3 yr. old granddaughter of King Segis Pontiac. Her dam milked over 100 lbs. a day. Sire our Konigen sr. herd sire. IRA ROMIG & SONS, TOPEKA, KAN.

Lingle's Stock Farm

offers an 18 months old bull calf, Fobes breeding, and out of a 20 pound three-year-old. M. E. LINGLE, CONWAY, KANSAS.

Wanted—Carload Holstein Springers State price. R. G. Kelley, R. 3, Blue Springs, Mo.

REGISTERED HOLSTEIN BULLS—Herd bull and three young bulls. Write for particulars and prices. Hugh Wright, Onaga, 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.

When writing advertisers mention this paper.

GUERNSEY CATTLE

MarchBoars, BredGills, TriedSows, FallBoar Pigs Some of the highest winnings last season were made on hogs of our breeding. Everything immune. The old reliable. HENRY MURR, Tonganoxie, Kan.

14 Reg. Guernsey Cows

For Sale, very reasonable, herd under state and Federal supervision. Winwood Dairy Farm, Burlington, Kan.

GUERNSEYS—CHOICE BULLS

For sale. Herd under federal supervision. George M. Newlin, Hutchinson, Kansas.

CHESTER WHITE HOGS

O.I.C. Reg. September Pigs either sex, good ones. A. C. Hoke, Parsons, Kan.

Chester White Bred Sows and Gills Summer and fall boars. Wyckoff Bros., Luray, Kan.

Chester White Boars and Gills Not related. W. H. Lynch, Neosho Rapids, Kan.

PUREBRED O. I. CHESTERS Male 1 year old, registered, \$25. Males and gills six months old, \$15. Pedigrees given. Closing out. Joe Dickson, Webster, Kansas.

GILTS BRED TO SON OF WEIMER'S GIANT for spring farrow. Fall pigs, both sex. E. E. Smiley, Perth, Kansas

DUROC JERSEY HOGS

DUROC JERSEY HOGS

John Simon's 10th Purebred Duroc Sale Humboldt, Neb., January 24

50 Head of Bred Sows: We take pride in producing hogs with the best of feet, bone and backs. If you want that kind come to our sale Jan. 24th. 6 tried sows, 6 fall gilts and 38 spring gilts. These sows and gilts are by Simon's Top Orion, one of the largest boars of the Duroc breed. High Orion Jr., Lawn Dale Disturber, Great Orion Sensation 2nd and a number of other boars of equal merit. Bred to Simon's Top Orion and Pathfinder. Two boars that have quality from the ground up. Send for the catalog at once to

John Simon, Humboldt, Nebraska
Col. W. M. Putman and C. B. Clark, Auctions. J. Cook Lamb will represent Capper Publications.

The Money Makers

They get big, they are easy feeders, they are prolific.

45 Bred Sows and Gilts—5 Spring Boars

Sale in the French Motor Company's heated pavilion,

Osage City, Kan., Tuesday, Jan. 31

The 40 spring gilts are by Graduate Pathfinder 3rd, Gano Cherry King and E. A.'s Sensation.

The 45 sows and gilts are bred to Graduate Pathfinder 3rd and Roses' Orion Sensation.

The five picked spring boars are of Pathfinder and Sensation breeding.

This is a well bred and a well grown offering of 40 spring gilts. It is in the early sales that you will buy to the best advantage.

Catalogs ready to mail. Address,

Earl J. Anstaett, Osage City, Kan.

Auctioneers: Jas. T. McCulloch, J. S. Lane, M. N. Runyan.

All orders to buy in this sale should be sent to J. W. Johnson in care of Mr. Anstaett.

Bred Gilts and Tried Sows

Shipped on approval with a written guarantee, registered and immunized. Write for price list and terms.

STANTS BROS., HOPE, KANSAS

Buy a Boar Now

Bargain prices for 30 days. Reg. immunized and guaranteed. All ages. Overstake Bros., Atlanta, Kansas.

Duroc Bred Gilts \$37.50

each in lots of two or more. Immune. In pig to a grandson of the world champion, Jack's Orion King 2nd. SEARLE FARMS, TECUMSEH, KANSAS

Shawnee County Duroc Jersey Breeders' Ass'n

Fourth Annual Sale

45 Hand Picked Bred Sows and Gilts

New Sale Pavilion, Fair Grounds,

Topeka, Kan., Thursday, Feb. 2

The offering is largely spring gilts selected from the following association herds:

Searle & Searle, Tecumseh
A. K. Delong, Tecumseh
C. H. Wilwer, Topeka
O. H. Doerschlag, Topeka
R. C. Obrecht, Topeka
H. A. Johnson, Perry
John Sanburn, Maple Hill

Fourth Annual Association Sale. The herds drawn from are strong in the blood of Orion, Pathfinder, Sensation Colonels and Illustrators.

**H. O. Doerschlag, Sale Mgr.
Topeka, Kansas.**

Auctioneers: C. M. Crews, Homer Rule. Lunch on the ground. Sale starts at 12:30. Send your buying order to J. W. Johnson, care Capper Farm Press, Topeka, Kan.

Luther's Durocs

I have purchased High Orion Sensation to head my herd. We offer sows bred at private sale. Also a number of Col. Sensation spring boars. Write or visit

H. C. Luthex, Alma, Nebraska

Lant Bros.' Durocs

PROVE GOOD INVESTMENTS

Home of Valley King the Col., Pathfinder Enuff, Grand Sensation, Col. Orion, Young Typemaster, and Pal's Orion. We offer gilts sired by or bred to our herd boars named above. Also boars for sale good enough to head any herd. Write for prices. LANT BROS., DENNIS, KAN.

Valley Spring Durocs

Sensations, Pathfinders, Orions. Boars all ages. Sows and gilts bred to outstanding boars. Immunized, pedigree furnished, guaranteed breeders. Year's time if desired. E. J. Bliss, Bloomington, Kan., Osborne Co.

Drake's Bred Gilts and Spring Boars

30 gilts bred to Smooth Sensation by Sensation's Master, Pathfinder Graduate and Great Wonder Model. Bred gilts for spring farrow, \$30 and up. A few good boars \$20 to \$30. Cholera immunized. Time to reliable parties. Describe your wants. Homer Drake, Sterling, Kan.

WE HAVE DUROCS THAT MAKE GOOD

Especially good boars; one, a 1921 state futurity winner; another, a brother to 1920 Topeka grand champion; another by Valley Sensation. Write your wants. We price them right. J. F. LARMORE & SONS, GRENOLA, KAN.

Durocs \$20 to \$30

This includes some boars ready for service and choice fall pigs by Hurdler Pathfinder and Valley Wonder Sensation. Will sell on time. Ask for terms. E. C. MUNSSELL, RUSSELL, KANSAS

I WILL SELL YOU GILTS Pathfinder and Sensation breeding, bred to an Orion Sensation boar for March farrow, at \$35.00. Arthur A. Patterson, Ellsworth, Kansas

Mar. 1—Harvey County Livestock Improvement Association. Sale at Newton, Kan. O. A. Homan, Mgr., Peabody, Kan.
March 8—J. E. Baker, sale pavilion, Benda, Kan.
March 16—Earl Hopkins, Larned, Kan.

Spotted Poland Chinas
Feb. 3—Miller & Manning, Council Grove, Kan.
Feb. 14—Henry Field Seed Co., Shenandoah, Iowa.
Feb. 14—G. S. Wells & Sons, Ottawa, Kan.
Feb. 25—Wm. Hunt, Osawatomie, Kan.
Mar. 14—Henry Field Seed Co., Shenandoah, Iowa.

Duroc Jersey Hogs.
Jan. 25—Kansas National Livestock Exposition and Sales. F. S. Kirk, Mgr., Wichita, Kan.
Jan. 31—Earl J. Anstaett, Osage City, Kan.
Feb. 2—Shawnee County Duroc Jersey Breeders' association, new sale pavilion, Free Fair Grounds, Topeka. O. H. Doerschlag, sale mgr., Topeka, Kan.
Feb. 3—Stafford County Duroc Breeders' Association. Clyde C. Horn, Manager, Stafford, Kan. Sale at Stafford.
Feb. 4—M. R. Gwin, Washington, Kan.
Feb. 6—L. J. Healy, Hope, Kan.
Feb. 6—Smith and Stauffer, Sedgwick, Kan.
Feb. 6—C. Smith, manager, Sedgwick, Kan.
Feb. 7—Henry Woody and T. Crowl, Barnard, Kan.
Feb. 7—Zink Stock Farms, Turon, Kan.
Feb. 8—Wm. Fulks, Langdon, Kan.
Feb. 8—E. P. Flanagan, Abilene, Kan.
Feb. 9—Ross M. Peck, Gypsum, Kan.
Feb. 9—A. A. Russell & Son, Geneva, Nebr.
Feb. 9—G. M. Shepherd, Lyons, Kan.
Feb. 10—John W. Jones, Minneapolis, Kan., at Concordia, Kan.
Feb. 10—W. A. Conyers, Marion, Kan.
Feb. 11—Pratt County Duroc Breeders' association, V. E. Crippen, Mgr., Pratt, Kan.
Feb. 11—Marshall county breeders, Blue Rapids, Kan., John O'Kane, sale manager, Blue Rapids.
Feb. 13—B. W. Conyers, Severy, Kan. Sale at Piedmont, Kan.
Feb. 14—W. D. McComas, Wichita, Kan.
Feb. 15—W. W. Otey & Sons, Winfield, Kan.
Feb. 15—A. J. Hanna, Burlingame, Kan.
Feb. 16—Woodell & Danner, Winfield, Kan.
Feb. 17—J. F. Larimore & Sons, Grenola, Kan.

Feb. 18—Guthridge & Preston, Lockwood, Mo.
Feb. 18—S. and R. G. Cooley, Plymouth, Kan., and Will Albin, Saffordville, Kan. Sale at Emporia, Kan., sale pavilion.
Feb. 18—E. H. Dimick & Son, Linwood, Kan.
Feb. 18—John Alberts, Jr., Wahoo, Nebr.
Feb. 20—Guy A. Brown, Geneva, Nebr.
Feb. 20—R. P. Ralston, Benton, Kan. A. E. Ralston, Mgr., Towanda, Kan.
Feb. 20—L. L. Humes, Glen Elder, Kan.
Feb. 21—J. J. Smith, Lawrence, Kan.
Feb. 21—W. L. Foggo, Burr, Oak, Kan.
Feb. 22—M. R. Peterson, Troy, Kan., at Benda, Kan.
Feb. 23—Gordon & Hamilton, Horton, Kan.
Feb. 23—John Loomis, Emporia, Kan.
Feb. 24—Kempin Bros., Corning, Kan.
Feb. 25—Dr. C. H. Burdett, Centalla, Kan.
Feb. 28—H. W. Flook & Son, Stanley, Kan.
Feb. 28—W. R. Huston, Americus, Kan. Sale at Emporia, Kan., in sale pavilion.
Feb. 28—Harvey County Livestock Improvement Association. Sale at Newton, Kan. O. A. Homan, Mgr., Peabody, Kan.
March 9—W. H. Hilbert, Corning, Kan.

Shropshire Sheep
Jan. 25—Kansas National Livestock Exposition and Sales. F. S. Kirk, Mgr., Wichita, Kan.
Hampshire Sheep
Jan. 25—Kansas National Livestock Exposition and Sales. F. S. Kirk, Mgr., Wichita, Kan.

Sale Reports and Other News
The sale of purebred and high grade Holsteins at Topeka, Kan., last Thursday, January 5, resulted in an average of \$75 for about 30 high grade two and three-year-old heifers, some of them fresh and others that had been fresh some time. A few were to be fresh soon. The top for grades was \$105. Many of the more desirable sold around \$65 to \$80. The purebred cows and heifers, including calves and yearling heifers and a number of excellent cows that were a little aged sold for an average of \$155. The top was \$300 for the purebreds and was paid by David Coleman & Sons, Denison, Kan., for the four-year-old tested daughter of the 33 pound Beauty Walker Pieterje Prince 2nd. Most of the cattle remained in central and eastern Kansas with a few going as far west as Phillips county. It was considered a pretty good sale.

The Mousel-Rodwell Hereford Sale
As usual there was a very large crowd on hand to attend the Mousel Bros. and Rodwell Hereford cattle sales held at Cambridge, Nebr., Jan. 3 and 4. There were buyers on hand from a number of states to buy some of these wonderful Herefords. Mousel Bros. sold 19 bulls for \$9,515, an average of \$501 per head; 35 head of females sold for \$19,705, an average of \$560 per head; 54 head brought a total of \$29,220, an average of \$540 on the 54 head sold. The entire offering sold at a very even range of prices. \$1,425 was the high mark for No. 2, a very choice young bull by Young Anxiety 4th that went to Wallace & E. G. Good, Kansas City, Kansas and Missouri breeders bought a big

lot of Mousel Bros. offering. Below is a representative list of sales:

BULLS.
Anxiety Imperial, 1 yr., W. H. Gray, Kirwin, Kan. \$ 810
The Anxiety 9th, 1 yr., Wallace & E. G. Good, Kansas City \$1,425
Beau Anxiety 6th, 8 mo., G. S. McCrone, No. Platte, Nebr. 500
Bright Land, 2 yrs., A. G. Purlington, Cambridge, Nebr. 250
The Anxiety 7th, 8 mos., H. J. Gramlich, Lincoln, Nebr. 775
The Don Carlos 4th, 11 mos., E. E. Lamb, Cambridge, Nebr. 310
Don Carlos 2d, 1 yr., Henry J. Wicke, Ludell, Kan. 575
Mischief Domino Jr., 1 yr., J. D. Duaney, Sweet Water, Texas. 490
The Anxiety 8th, 1 yr., Fullmer & Serman, Lakefield, Minn. 325
Dandy Mischief 8th, 2 yrs., W. E. Gardner, Gering 250
Mousel Mischief 2nd, 1 yr., E. E. Kirtland, Norton, Kan. 260
The Stanway 3d, 1 yr., Fritz Bickel, Loup City, Neb. 610
The Mischief 11th, 1 yr., Bert Moore, Bartley 325
Lord Dandy, 2 yrs., Vavaroek Bros., Oberlin, Kan. 235
Christmas Lad, 2 yrs., Gilbert Bros., Fairfield, Iowa 310
Choice Mischief 2d, 5 yrs., G. W. Wilkens & Son, McDonald, Kan. 400
Mischief Domino, 1 yr., Herman Focke, Ludell, Kan. 385

FEMALES.
Donnie, 4 yrs., John Focke, Ludell, Kan. 725
Banglette 11th, 1 yr., Foster Farms, Rockford, Kan. 555
Bright Duchess 5d, 1 yr., John Harrison, Indianapolis, Ind. 400
Duchess Mischief 8th, 3 yrs., W. G. Gooden, Lincoln, Nebr. 1,000
Gratia 15th, 6 yrs., J. L. Quail, Idaho 400
Blanche 5d, 1 yr., D. A. L. Kee, Cambridge 700
Dolly 2d, 1 yr., Fulcher & Kepler, Holyoke, Colo. 790
Mabelle 50th, 5 yrs., M. Graham, Kansas City 875
Duchess 5th, 2 yrs., E. A. Roads, Goodland, Kansas 300
Flint 3d, 2 yrs., Geo. Williams, Cambridge, Neb. 400
Spirituelle, 5 yrs., Frank Kithert, Bladen, Nebr. 600
Blanche 8th, 2 yrs., Peter Kronquest, Holdrege 300
Belle Mischief 4th, 1 yr., P. H. Larick, Bladen, Neb. 475
Winnie Mischief 2d, 4 yrs., H. M. Wolf, Kansas City 675
Gondola 15th, 6 yrs., M. Gardner, Missouri 475
Dutch Girl, 4 yrs., Frank Sedlacek, Marysville, Kan. 260
E. C. Rodwell sold 55 head for \$9,860, an average of \$179 per head; 21 head of bulls sold for \$2,635, an average of \$125 per head. The 34 head of females sold for \$7,225, an average of \$215 per head. Below is a representative list of sales:

BULLS.
Mischief Domino, 2 yrs., Robert McQuilken, Cambridge \$ 175
Mischief Domino 6th, 8 mos., James McClung, Indianapolis, Nebr. 155
Mischief Domino 8th, 1 yr., W. E. Story, Arapahoe, Nebr. 130
Mischief Domino 5th, 1 yr., C. C. Brown 115
Mischief Domino 4d, 1 yr., J. L. Fisher, Ewing, Nebr. 125
Mischief Domino 4th, 1 yr., H. A. Linke, Eustis, Nebr. 115
Mischief Domino 4th, 1 yr., M. L. Summers, Cambridge 120
Fred Stanway, 1 yr., Rankin Bros., Cambridge 215
Mischief Domino 5th, 1 yr., J. H. Miller, Woodston, Kansas 235
Dandy Mixer, 2 yrs., D. E. Hatton, Naponee 120

FEMALES.
Anna Gudgell, 4 yrs., Dr. Wadkins, Cambridge \$ 225
Miss Alto 3d, 3 yrs., Albert Sherbeck, Westerville, Neb. 280
Pearl Domino, 1 yr., M. Christensen, Chadron, Neb. 380
Gall Domino, 1 yr., Fritz Bickel, Loup City, Neb. 180
Mabel Domino, 2 yrs., John Coder, Elwood 160
Elsie Domino, 1 yr., Dr. A. L. Kee, Cambridge 325
Lingle, 4 yrs., Fred Mues, Edison, 310
Grace Domino, 3 yrs., H. Gauderauld & Son, Brady 125
Clara Denver, 3 yrs., Loyd McMahon, Cambridge 200
Maxine 2d, 2 yrs., A. Estergard, Cambridge 165
Orphan Mischief, 2 yrs., L. B. Hoyt, McCook, Neb. 125
Folona, 4 yrs., Nolan Bros., Cambridge 230
Mellie Denver, 3 yrs., Ed Trenchard, Cambridge 210
Nora Denver, 2 yrs., A. W. Frowley, Cambridge 125
Lotty V 7th, 8 yrs., C. M. Wilson, Inavale, Neb. 290

KANSAS FARMER AND MAIL AND BREEZE SELLS OUR SHORTHORN BULLS

My ads in Mail and Breeze have always brought results—the buyers for my cattle all came from the ad in your paper without which I could not have disposed of the bulls at a satisfactory price at all. Margaret Stanley, Anthony, Kans. Breeder of Shorthorn Cattle. October 27-21.

DUROC JERSEY HOGS

BIG TYPE BOARS AND GILTS

Big boned stretchy March boars and bred gilts of the best of Pathfinders, Orions, Sensations, and great Wonder breeding. Immunized and priced to sell quick. J. A. REED & SONS, LYONS, KANSAS

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Gall Domino, 1 yr., Fritz Bickel, Loup City, Neb. 180
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Lingle, 4 yrs., Fred Mues, Edison, 310
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Nora Denver, 2 yrs., A. W. Frowley, Cambridge 125
Lotty V 7th, 8 yrs., C. M. Wilson, Inavale, Neb. 290

Field Notes

BY J. W. JOHNSON

Jacob Nelson of Broughton, Kan., has rented his farm and will disperse his entire herd of Shorthorns. He is starting his advertisement in this issue. Anyone on the market for good Shorthorns should get in touch with Mr. Nelson at once.—Advertisement.

M. E. Lingle, Conway, Kan., McPherson county breeds Holstein cattle and Duroc Jersey hogs. He is advertising this week in the Holstein section in the Mail and Breeze an 18 months old bull calf, registered and you should investigate him if you need a bull. Write him for descriptions and prices.—Advertisement.

Johnson Workman, Russell, Kan., well known for years as one of the leading breeders of registered Angus cattle, has claimed February 8 as the date for a big sale of registered Angus cattle. Full particulars will appear soon in the Mail and Breeze about this important Angus sale. Mr. Workman is well known as an Angus breeder and as secretary of the Kansas State Angus Breeders' association.—Advertisement.

T. G. McKinley's Red Polls

T. G. McKinley, Alta Vista, Kan., whom all breeders of Red Polled cattle and those interested in the breed know, is offering some real herd bull material in young bulls from six to 20 months old. He is also offering some real attractions in nice matrons

and heifers. Everything is priced as a dispersal sale and very close prices are being made on everything because Mr. McKinley wants to sell his herd. For years the Springdale herd of Red Polls has stood as one of the real meritorious herds of this popular breed. If you are interested in the milk end of the proposition and the beef end as well you will be interested in a letter from Mr. McKinley. He will be pleased to tell you about his Red Polls and anything about the breed that you would like to know. If you need a bull arrange to go to Alta Vista and see Mr. McKinley's herd. Write him today for descriptions and prices and any other information you want. You will get a courteous letter. Look up the advertisement in this issue.—Advertisement.

C. H. Cole's Chester Whites

C. H. Cole, North Topeka, Kan., will start his advertisement in the Mail and Breeze about February 1 and will offer 25 Chester White sows and gilts bred to good boars for spring farrow. In the Topeka State Fair, the State Fair at Hutchinson and at the Oklahoma fair he won 12 championships and other places of importance. The sows and gilts are bred to Buster B. Jr., grand champion Kansas and Oklahoma, 1921, for early spring litters. Write for descriptions and prices.—Advertisement.

Tomson Bros.' Shorthorns

Tomson Bros., Wakarusa and Dover, Kan., advertising now in the Mail and Breeze, offer rare values in young bulls of serviceable ages. Shorthorn breeders who intend to buy a herd bull this spring should get in touch with Tomson Bros. at once. Many of these bulls are closely related to their 1921 show herd and their dams are the wonderful Shorthorn cows in the Tomson herd. They are by Village Marshall and Marshall's Crown. Ask them for prices and descriptions. Look up their advertisement in this issue of the Mail and Breeze.—Advertisement.

Glen Keesecker's Duroc Sale

Glen Keesecker, Washington, Kan., sells Duroc Jerseys in the sale pavilion, Washington, Kan., next Saturday, January 21. While the offering is not large in point of numbers it is a good one and of popular blood lines. His Big Pathfinder, the herd boar that sired everything in the sale with the exception of three, is one of the real Pathfinders. Cherry King Sensation is a grandson of the national champion, Uneeda Orion is a yearling son of Joe Orion 2nd. You have time to ask for the catalog and receive a copy by return mail. The sale is next Saturday.—Advertisement.

Hall Bros. Holsteins

Hall Bros., Denver, Colo., producers and distributors of the highest grade of milk and cream in Denver and proprietors of the Western Holstein farm, on the Morrison road, a few miles southwest of Denver, have not only one of the largest herds of registered Holsteins in the west but what is very likely one of the strongest herds in breeding, official records and individuality in Colorado. This is strictly a working herd as well as a show herd. Their show herd will be on exhibit at the National Western Stock Show in Denver all of next week. Their up town office is at 2050 Humboldt street, Denver, and if you will call there they will be glad to take you to the farm and show you their young bulls that are for sale. Write or see them next week. They offer to sell you a bull, if you are not flush with money and take your note and let you pay it monthly out of your cream check. Write them tonight for descriptions and prices. Better write Hall Bros., 2050 Humboldt St., Denver, Colo. They will hold a bull for you if you write them at once to that address.—Advertisement.

A. J. Turinsky's Duroc Sale

A. J. Turinsky, Barnes, Kan., Washington county, will sell 50 Duroc Jersey bred sows and gilts in the sale barn, Barnes, Kan., next Friday, January 20. "Tony" Turinsky is a real constructive breeder who studies Duroc Jersey breeding with the idea of better matings and he is making this effort count and the evidence of it is to be found in the individuality in his own herd and in the individuals that beginners have bought and those that have gone into old established herds. In this sale he is selling 50 sows and gilts, most of them bred to his herd boar, Giant Big Bone, a son of Big Bone Giant Jr., a famous breeding boar that has sired much of the show stuff of the East. In the sale are 12 proven brood sows, the rest are fall and spring yearlings. Pathfinder, Orion and Sensation and Orion Cherry King breeding is to be found very close to the top in the pedigrees in this catalog. You will be pleased with the offering and you are buying from a man that stands by his word and you will be treated right if you buy in the Turinsky sale. Write for the catalog right now. The sale is next Friday.—Advertisement.

Chas. Krill's Poland China Sale

Chas. Krill, Burlingame, Kan., Osage county, will hold his third annual Poland China bred sow and gilt sale in the sale pavilion, Burlingame, Tuesday, January 31. He is selling an unusual lot of bred sows and gilts, mostly spring gilts. I saw these gilts last summer and they then were as promising as I found anywhere. Mr. Krill says they have grown out beyond his expectations and that they are simply a grand lot and the kind that will be in demand this winter. This sale is early and prices are sure not to range as high in these early bred sow sales as they will in the later sale. Anyone needing bred sows or gilts can save the price of a pair of good gilts by buying early before the rush for bred sows starts and it is going to start as sure as can be. There is already a big demand for bred sows of all breeds from farmers and breeders themselves that are short and from beginners. This sale will be a great place for the beginner or boy pig club member to buy foundation sows and gilts at fair prices. The breeding is of the most popular families and you can have the catalog by return mail by addressing Chas. Krill, Burlingame, Kan.—Advertisement.

The Wichita Holstein Sale

The Holstein "Show Sale," Wichita, Kan., in the forum, the week of the Kansas National is advertised in this issue of the Mail and Breeze. You have plenty of time to secure the catalog of this sale if you write at once to W. H. Mott, Herington, Kan., who is manager of the sale. The sale catalog is separate from the regular show catalog and can be obtained only by addressing W. H. Mott, Herington, Kan. It is a wonderful line up for both the show and the sale. In addition to Kansas exhibitors there are distinguished visitors with

The Wichita Show Sale

70 Head of Registered Holsteins at the Forum Wichita, Kan., Thursday, January 26

Some very choice attractions

A 30 lb. cow; a 23 lb. cow; a 20 lb. 2-year-old; daughters of 30 lb. bulls; heifers bred to 1,000 lb. yearly record bulls; a consignment of 20 head of fashionably bred cows and heifers imported from Canada; 15 bulls from great sires and high record dams. The greatest lot of show cattle ever offered in the Show Sale. Read over the list of consignors and note the herds from which cattle have been selected. **CONSIGNORS:**

E. A. Brown, Newton, Kan.
Jesse Manninger, Harper, Kan.
Jesse C. Gillette, Wichita, Kan.
Walter C. Craven, Wichita, Kan.
A. Colburn, McPherson, Kan.
Ora Royse, El Reno, Okla.
Fred Harvey, Newton, Kan.

Arkansas Valley Sugar Beet and Irrigation Co., Holly, Colo.
Spencer Penrose, Colorado Springs, Colo.
American Sugar Beet Co., Lamar, Colo.
Regier & Sons, Whitewater, Kan.
W. A. Shuler, Hutchinson, Kan.
Pickering Farms, Belton, Mo.

Write today for Catalog to W. H. Mott, Sales Mgr., Herington, Kan.

DUROC JERSEY HOGS

DUROC JERSEY HOGS

DUROC JERSEY HOGS

Putman & Son's Annual Duroc Bred Sow Sale

in Sale Pavilion.

Tecumseh, Nebr.
Monday, Jan. 23

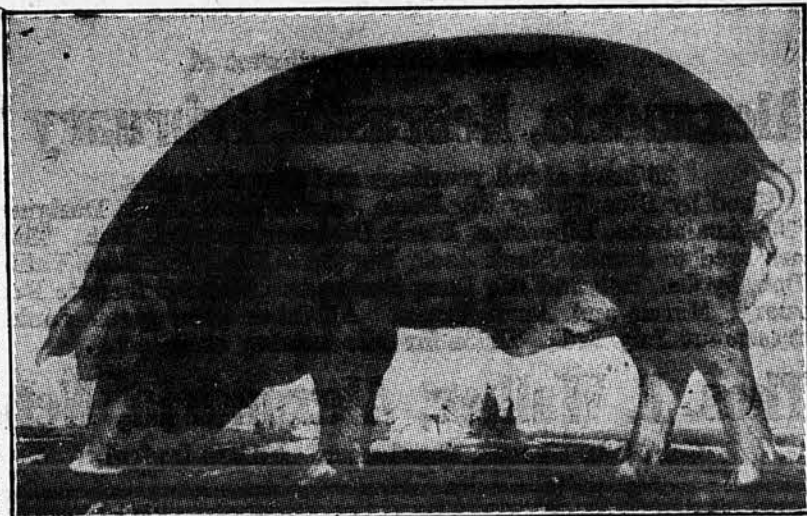
40 Head of Durocs

Great Pathfinder, the sire of more prize winners at Nebraska and National Swine Show this year than all other Pathfinder boars. A number of top sows sell bred to him.

15 tried sows, 2 by Pathfinder, 2 by High Pathfinder, 1 by Citation, 1 by Smooth Giant, 1 by Disturber of Idlewild. One of the choice sows of the sale is a Real Sensation sow, 15 fall sows are by Pathfinder. A Top Pathfinder and Great Pathfinder. Ten spring gilts by Great Wonder's Giant, Super Sensation and Great Pathfinder. These sows are bred to Hezapathfinder, Great Pathfinder and Super Sensation. Hezapathfinder showed his superior quality at both the Nebraska State Fair and National Swine Show this fall. He was first in Jr. class in the strongest of competition. A sale catalog will give all information in regard to sale and offering. Write for one at once to

Col. N. G. Kraschel, Auctioneer.
Send orders to J. Cook Lamb
of the Capper Publications.

PUTMAN & SON, Tecumseh, Nebraska



GREAT PATHFINDER

Hezapathfinder showed his superior quality at both the Nebraska State Fair and National Swine Show this fall. He was first in Jr. class in the strongest of competition. A sale catalog will give all information in regard to sale and offering. Write for one at once to

DUROC JERSEY HOGS

A Few Bred Gilts

at private sale. My greatest bred sow sale February 15. Send today for catalog.
W. W. OTEY & SONS, WINFIELD, KAN.

REAL BIG TYPE BOARS

Real spring boars sired by Shepherd's Orion Sensation, the sire of champions. Real Pathfinders by Pathfinder Jr. Immured, registered. Price \$30, \$40 and \$50. Order from ad or write. No culls. Real Durocs for your dollars. G. M. SHEPHERD, LYONS, KAN.

McCOMAS' DUROCS

Bred gilts for spring farrow. Fall boar pigs. Orion Cherry King, Pathfinder, and Sensation breeding.
W. D. McComas, Box 455, Wichita, Kansas

Bred Gilts—Big Type

Big stretchy, outstanding gilts bred for spring farrow. Best blood lines of Sensation, Orion, Pathfinder and Crimson Wonder families. Immured and priced low. Ernest A. Reed, R. 2, Lyons, Kan.

Very Select Spring Boars

Good ones of Orion Cherry King breeding at \$25 and \$30 each. Weighing 180 to 200 lbs. Also choice bred gilts.
J. A. CREITZ & SON, BELOIT, KANSAS

Duroc Bred Sows and Gilts

Bred sows and gilts shipped on approval. Immured and absolutely as described. A few spring boars. Write for descriptions and prices.
D. C. ASHER, LAWRENCE, KAN.

Improve Your Herd Now

Sows, gilts, and boars for sale. Will sell 14 bred sows and gilts Jan. 25 at the Kansas National at Wichita. Don't forget our own great Duroc sale, Feb. 7, at Turon, Kan.
ZINK STOCK FARMS, TURON, KAN.

The World's Champion Duroc Litter

1919, was sired by Big Bone Giant Jr. who also sired Giant Big Bone 425301, my herd boar to whom most of the offering is bred. Sale in pavilion, in town,

Barnes, Kansas, Friday, January 20

You will like our 1922 offering of 50 well bred, well grown sows and gilts. 12 are proven sows and the rest are fall yearlings and spring gilts. Sensations, Orions, Pathfinders, Orion Cherry Kings. A select offering of the profit earning kind. Sale catalogs ready to mail. Address, for a copy,

A. J. Turinsky, Barnes, Kansas

Auctioneers: Jas. T. McCulloch and others. J. W. Johnson, Fieldman, Mail and Breeze.

Our 810-Pound Big Pathfinder

A great breeding son of Old Pathfinder sired all but three in this offering. Our 1922 bred sow sale in stock pavilion,

Washington, Kan., Saturday, Jan. 21

Bred to these two splendid boars: Cherry King Sensation, grandson of the national champion and Uneeda Orion, a great yearling, and son of Joe Orion 2nd.

27 fall yearlings and spring gilts. The rest tried sows and nine fall boar and gilt selections worthy of your consideration. Attractions will be the show sows shown at Belleville last fall. Write for catalog today. Address

G. F. Keesecker, Washington, Kan.

Aucts., Jas. T. McCulloch and others. J. W. Johnson, Fieldman, Mail and Breeze

My Third Annual Sale of Poland China Bred Sows and Gilts

Size, quality and finish you will admire. 35 well grown, well bred, big stretchy spring gilts. 2 fall gilts, 3 tried sows, 1 spring yearling herd boar, 2 fall boars. In the sale pavilion,

Burlingame, Kan., Tuesday, Jan. 31

The offering is sired mostly by Giant Chief and A. Wonder Hercules. The tried sows are mostly by Giant Knox by Our Big Knox. Others are of Peter Mouw breeding. All are immunized.

In this sale I am selling an unusual offering of Poland Chinas. It is going to be a good place for pig club members and beginners to buy foundation Poland Chinas. Send your bids if you cannot attend to J. W. Johnson of the Mail and Breeze in my care and you will be treated right. Catalogs ready to mail now. Address

Chas. Krill, Burlingame, Kansas

Auctioneers: C. M. Crews, H. J. Busembark. J. W. Johnson, Fieldman, Kansas Farmer and Mail and Breeze.

The Blue Valley Stock Farm Sells 50 Head of Poland China Sows

At Farm 3 1/2 Miles Southwest of

Alexandria, Nebraska, February 1

25 head of fall yearlings and 25 spring gilts.

Sired by Blue Valley Big Bone, Jumbo Black Jack, Designer, The Avalanche, Liberator, Black Designer and Col. Bob. They are bred to Jumbo Black Jack, Big Bone Designer, Blue Valley Bob, by Col. Bob and Big Long Designer. All bred for late February, March and April litters. All have been given double treatment July 3rd. Write for sale catalog at once to.

Thos. F. Walker, Alexandria, Neb.

Col. H. S. Duncan, Auctioneer. All are invited.

POLAND CHINA HOGS

Hall's Better Bred Polands

Bred gilts and sows at all times. Special offering: June boars by Peter Pan, late spring boars by Giant Clan. Herd close up in blood of The Clansman, Columbian Giant, Peter Pan, Liberator, Revelation, Peter the Great, etc. Dr. W. C. Hall & Son, Coffeyville, Kan.

ROADSIDE FARM POLANDS

A nice lot of Poland Chinas, spring gilts, well grown and bred to a good big type boar. Pedigree with each gilt. Farmers prices to move them quick. T. Crowl, Barnard, Kan.

Big Type Poland Chinas

Gilts bred to Giant Liberator 2nd. Tried sows bred to Loy's Evolution. Immunized and priced right. Special prices to pig club boys. G. E. Loy, Barnard, Kan. (Lincoln County)

Boars, Fall and Spring Gilts

Sired by or bred to Columbus Wonder, Columbus Wonder 2nd, Black Buster, Superior Buster, The Criterion, Giant Cheekers. Will show and sell at Kansas National. Buy now or meet us there. Lewis and Mercer, Conway Springs, Kansas.

LOY'S BIG TYPE POLANDS

Large spring gilts sired by L's Yankee, Ben's Giant and Loy's Evolution. Bred for March and April farrow to Liberty Bob and L's Yankee. Immunized, guaranteed, pedigreed. Priced right. C. F. LOY & SONS, MILO, KANSAS

HILL'S QUALITY POLANDS

Boar bargains. \$30 buys good big husky March boar, Liberator and Col. Jack breeding. Nothing sent out but good ones. Immune and satisfaction guaranteed. Address W. H. HILLS, MILO, KANSAS

1200 Lb. Giant Bob Wonder

For immediate sale some choice tried sows and gilts bred to Giant Bob Wonder, Jumbo Joe and Goldengate Defender. O. R. STRAUSS, MILFORD, KANSAS

BIG POLAND CHINAS

For quick sale, 20 bred sows and gilts, bred for early spring farrow to Clansman Junior and Sheehy's Buster. 100 fall pigs, all immune. Satisfaction guaranteed or money refunded. ED SHEEHY, HUME, MISSOURI.

Poland Boars and Gilts

\$25.00 each. ROBT. FLANAGIN, GEM, KAN.

A LOT OF FALL GILTS AND YEARLINGS bred or unbred and spring boars. Yankee, Morton's Giant, Giant Lunker, Big Bob, Smooth Chief, etc., breeding. Emory Rice, Oxford, Kan

POLAND CHINA HOGS

Big Type Poland Chinas

Tried sows, fall yearling gilts, big early spring gilts bred for early spring farrow. Immunized. LOGAN STONE, HADDAM, KAN.

Becker's Poland Chinas

For Sale—Bred gilts by Giant Joe and bred to Buell's Giant. Also fall pigs, at reasonable prices. J. H. BECKER, NEWTON, KAN.

Big Type Poland Chinas

80 fall pigs, either sex, sired by Mammoth Timm, 118435. Special price for 30 days, \$15 each. Also a few bred gilts. A. M. Markley, Mound City, Kansas.

Two Cars of Poland Breeding Hogs

For sale. Extra good. Priced right. Come and look them over. L. C. Walbridge, Russell, Kan.

SPOTTED POLAND CHINA HOGS

Spotted Polands For Sale

Tried sows, fall yearlings and spring gilts. All bred for March and April farrow. Every one of these is a real brood sow and are bred to El Dorado King, one of H. L. Faulkner's choice boars, and Prospect King, a grandson of the 1918 world's junior champion. A few early fall boars. Everything registered and immunized. D. E. POWELL, EL DORADO, KAN.

Spotted Clover's Granddaughters

All sired by the 2-year-old son of Spotted Clover and bred to a son of Gates Jumbo. Also some choice 17 lb. to 200 lb. open gilts, and one real herd boar. Write A. J. BLAKE, R. 1, OAK HILL, KANSAS

Spotted Poland Chinas

Stock of all ages. The best blood lines. A. S. Alexander, Burlington, Kansas.

SPOTTED POLAND BOARS READY FOR SERVICE

\$20; gilts, \$25; fall boars, \$10; double immune; national or standard papers. T. L. Curtis, Dunlap, Kan.

Spotted Polands, Both Sexes

Big type and English. C. W. Welsenbaum, Altamont, Kan.

MASON'S SPOTTED POLANDS

Bred gilts, big bone, high backs, registered, immune, \$30. C. N. Mason, Uniontown, Kan.

PUREBRED SPOTTED POLAND CHINA

pigs, eight weeks old, \$10 each for quick sale. A. Colburn, McPherson, Kansas

a string of cattle for the sale and for the show. Look up the advertisement in this issue in which you will find the names of the consignors. It would be a mistake for Holstein breeders who already have their money in the business to consign to this "show sale" anything but real cattle. Regardless of what the prices might be they simply must put good cattle in sales of this character and they are doing it. The wise man that is going into the business and expects to buy his foundation herd soon should know all about this sale. The catalog is full of valuable information and you can have it for the asking. Address, W. H. Mott, Herington, Kan., and get it by return mail.—Advertisement.

Earl Anstaett's Duroc Sale

Earl J. Anstaett, Osage City, Kan., for several years has been a good buyer of top sows in the Duroc Jersey sales over the state. In 1921 he raised one of the good crops of spring pigs raised in central Kansas that year. Because he has something of real merit to offer he is advertising in this issue of the Mail and Breeze his initial bred sow and gilt sale which will be held in the French Motor Company's heated pavilion across the street in Osage City from the Santa Fe depot. He is selling 40 very select spring gilts and five tried sows and five spring boars that are good. The spring gilts are by Graduate Pathfinder 3rd, Gano Cherry King and E. A.'s Sensation. The tried sows are five good, well bred sows put in to fill up the sale. All of the sows and gilts are bred to Graduate Pathfinder 3rd and Rose's Orion Sensation. It is a good offering of well bred, well grown and well conditioned bred sows and gilts and as the sale is early the prices are not likely to range as high as they will in later sales. Write for the catalog today. If you can attend, be sure to do so. If you can't you can send your bids to J. W. Johnson, in care of Mr. Anstaett, Osage City, Kan. Mention the Mail and Breeze when you ask for the catalog.—Advertisement.

Shawnee County Duroc Breeders' Sale

The Shawnee County Duroc Jersey Breeders' association was formed several years ago more with the idea of furthering the Duroc Jersey breeding interests in Shawnee and adjoining counties than for the purpose of selling breeding stock at record prices to breeders. The result is that there are a number of herds in this county and a few herds in adjoining counties that affiliate with the Shawnee organization that are producing each year outstanding individuals and because of the organization a great deal of care has been taken in selections and matings. H. O. Doerschlag, Topeka, has been the prime mover in organization work and was the first breeder of Duroc Jerseys to hold a public sale at the Free Fair grounds. Mr. Doerschlag managed the fall sale of association boars and made a big success of it. He is managing the bred sow sale at the Free Fair grounds Thursday, February 2, 45 head will be sold. They are selections from seven or eight association herds and are mostly bred gilts of last spring farrow. You will find a variety of breeding in the catalog but the popular families such as the Orions, Pathfinders, Sensations predominate. The catalog is ready to mail and you can have your copy by addressing H. O. Doerschlag, Topeka, Kan., sale manager. Orders to buy in this sale can be sent to J. W. Johnson, care Capper Farm Press, Topeka, Kan.—Advertisement.

M. D. Gwin's Duroc Sale

M. D. Gwin, Morrowville, Kan., who was a partner with his brother Roy in the firm known as Gwin Bros. until last spring when Roy withdrew from the firm, will sell about 60 Duroc Jersey bred sows and gilts in the livestock sale pavilion, Washington, Kan., Saturday, February 4. I think everybody that knows anything about Duroc Jerseys of the best knows about Merle and Roy Gwin. I doubt if all the breeders in north central Kansas together bought as many outstanding individuals and brought them to Kansas as did Gwin Bros. of Morrowville, Kan. The slump in prices caught them with lots of Duroc Jerseys that would undoubtedly have brought them lots of money and the result was that they lost money instead of making it. But the Gwin Bros. made a host of friends who admire their square and manly business methods and their efforts to improve Duroc Jersey herds in Kansas. In the sale that Merle is holding in Washington, Saturday, February 4, will be found breeding that will improve any herd in the country. There are 10 tried sows, 12 fall yearlings and 18 spring gilts. The spring gilts are by Pathfinder, Great Pathfinder, Pathfinder Chief 2nd, High Orion Sensation, Intense Orion Sensation and Cherry Pathfinder. The tried sows, all of them in their prime, are of noted breeding. The sale will be advertised in the Mail and Breeze in the next issue. You can write at once for the catalog. Address, M. D. Gwin, Morrowville, Kan.—Advertisement.

BY J. T. HUNTER

A. M. Markley of Mound City, Kan., is starting his Poland China advertisement in this issue. He is offering a choice lot of fall pigs of popular big type breeding at very reasonable prices.—Advertisement.

See last two issues of the Kansas Farmer and Mail and Breeze for display advertisements of the Cline Bros.' sale at Coffeyville, Wednesday, January 18, and Geo. Morton's sale at Wellington, Thursday, January 19. Mr. Morton lives at Oxford but is holding the sale at Wellington. Some wonderfully good breeding quality will be found in these two offerings. Don't fail to attend.—Advertisement.

Homan's Shropshires at Kansas National

O. A. Homan, Peabody, Kan., will show and sell seven Shropshires at the coming Kansas National at Wichita, Kan. The consignment will include first prize aged ewe at 1921 Topeka and Hutchinson fairs, two ewe lambs that won first in flock and first in breeders pen at 1921 Topeka, Hutchinson and Kansas National shows. A second prize ram lamb that was defeated by his brother in 1921 Kansas National sells. There will be five ewe lambs in all. Senator Bibby 17th heads the Homan Shropshire herd.—Advertisement.

The Kansas National Shorthorn Sale

Never before have so many imported cattle been offered in a Kansas sale, and likewise there never has been a sale where so many famous grand champion bulls and noted imported bulls have been represented, as in the Kansas National Shorthorn sale at Wichita, Kan.

During the State Fair season of last fall

there was no group of calves admired more than the undefeated calf herd exhibited by Tomson Bros. of Kansas. They were all sired by Cumberland Marshal, grand champion at the Sni-a-Bar Show in 1920. He also sired the grand champion female at Sni-a-Bar in 1921, and won first prize on get of sire at three out of five shows, and his calf herd were undefeated at Topeka, Hutchinson, Oklahoma City, Muskogee and Sni-a-Bar. All of them sell in the Kansas National Sale. H. C. Lookabaugh, Oklahoma, who established the American record for high prices in an auction sale of Scotch cattle, has consigned one bull by his \$10,000 Roan Lord, one heifer by the \$17,000 Maxwalton Commander and one heifer by Pleasant Sultan, one of the best sons of the famous Fair Acres Sultan. G. A. Gumerson, of Oklahoma, consigns one bull by Imported Bapton Bontolist, out of a cow by Imported grand champion, Gainford Marquis. Also one heifer by Scotch Lord and one by Sultan Mine 2d. The Maxwell-Miller Cattle Company, of Colorado, consigns an international prize winning heifer, sired by the twenty-seven times grand champion, Princely Stamp, also one bull and one heifer by Imported Lothian Marmion, one of the best sons of Collyne Grand Duke, regarded as one of the best bulls in Scotland.

The Allen Cattle Company, of Colorado, consigns one bull by Meteor, son of the \$25,000 Imported Edgecote Toft. Meteor sired the first prize calf herd at the 1921 International. The Allen Cattle Company also consign two heifers by Second Thought, son of Double Dale, one of them out of Dinde Susan, grand champion female at the Western Livestock Show at Denver.

Park E. Salter, of Kansas, consigns six head, including one bull sired by the \$20,000 imported grand champion Rodney. One of his first calves sold at auction was Maxwalton Rodney, sold for \$14,500. Mr. Salter also sells a roan yearling bull by Imported British Emblem and out of the noted matron Maxwalton Avern. She produced seven calves that have sold for an average price of \$5,000 each, one of them for \$13,300, another for \$10,000. Mr. Salter also sells a roan heifer sired by Villager's Coronet, grand champion at the American Royal and three of the leading state fairs. Also one daughter of Imp. Bapton Corporal.

Wm. Hartnett, who has imported more high priced Scotch Shorthorns than any other individual or firm during the last five years, has consigned ten imported cows and heifers and nine imported bulls.

Four leading breeders of Scotch cattle living in Missouri have made consignments. W. J. Barber of Missouri is selling his prize winning calf herd. This herd was exhibited at the Missouri, Iowa, Nebraska and Kansas State Fairs, being a prize winner at each of them. They are all sired by sons of Imported Villager. Dr. O. W. Nauman, of Missouri, is making an exceptionally good consignment of show cattle, including one three-year-old daughter of the International grand champion, Village Supreme. This noted show cow sired by Imported Brandsby's Officer. Of the seven top sires in his pedigree, six of them were noted prize winners in the leading shows of Scotland. Dr. Nauman also sells one granddaughter of Village Supreme, two granddaughters of Imported Villager, one daughter of Imported Brandsby's Officer and a daughter of Imported Cluny Royal Windsor, bred by Lady Cathcart and sired by her renowned sire, President of the Mint, sire of Mr. Duthie's noted herd sire, Max of Cluny, etc.

The list of consignors and the splendid lot of cattle consigned is entirely too long to even mention them here. However, it can safely be stated that the Kansas National Sale includes more high class Scotch cattle than were ever offered in one sale west of the Mississippi river. The catalog will tell you the entire story. If interested, write F. S. Kirk, Manager, Wichita, Kansas, for free sale catalog, and mention this paper.

Dr. C. A. Branch's Holsteins

Dr. C. A. Branch, Marion, Kan., Marion county, is a popular member of the Kansas Holstein Breeders' association and the owner of a nice little herd of his own. He is more than just a breeder, he is a real dairyman and very much interested in the dairy business in Marion county. He quit his practice to go on his dairy farm and is making money. But he wants to interest other people in dairying in his county. Partly because of the requests for good dairy cows from farmers and dairymen in that county and partly because he was urged to do so by the business men of the county Doctor Branch is holding a sale of high grade Holstein cows and two and three-year-old heifers that are fresh and to freshen soon in Marion, January 30. All were bred to purebred bulls. All are tuberculin tested and all are Kansas cattle and profitable dairy cows and heifers. Write or phone him for further information about these cows and heifers.—Advertisement.

Good Place to Sell Registered Hogs or Cattle

The Harvey County Livestock Improvement Association will hold a five days spring sale at Newton, Kan., beginning Feb. 23, at which time Durocs, Polands, Spotted Polands, Shorthorns, and Holsteins will be sold. Fifty head for each sale is the maximum. The Poland and Spotted Poland consignments are nearly filled, about half the Durocs and several Shorthorns and Holsteins have been consigned. A flat rate of \$6.00 a head for hogs and \$15.00 for cattle will be charged. This includes pens or stalls and bedding as well as cataloging, advertising, etc. The Harvey County Livestock Improvement Association has been holding semi-annual sales for some time and from a one day sale each time has grown to a five days sale. This is sufficient evidence that the sales are successful. Parties desiring to consign hogs or cattle to the sales will please confer with Manager O. A. Homan, Peabody, Kan. It is planned to fill the consignments as soon as possible and avoid possible delays in cataloging and advertising the sales. When writing Manager Homan please mention Kansas Farmer and Mail and Breeze.—Advertisement.

BY J. COOK LAMB

Schwab & Son's Red Polls

Schwab & Son of Clay Center, Neb., are starting their advertisement in this issue. This firm owns one of the oldest herds of Red Polls under federal supervision. They have a number of registered bulls now ready to ship, several of them are good enough to head any herd. They also have a choice lot of females for sale. They are making very reasonable prices and will ship on approval to reliable parties.—Advertisement.

Edward F. Gehley's Shorthorns

Edward F. Gehley, Orleans, Neb., is offering some choice young herd bulls. He can now spare one of his herd bulls. He is offering Idlewild Rex. He is one of those

low down, well built kind with lots of smoothness and scale. The young bulls are by Idlewild Snow Man. One of these is a pure white and is a tip-top individual. The rest are rich roans. Mr. Gebley also owns a herd of Duroc Jersey hogs. The herd boars are sons of Col. Sensation and Maplewood Pathmaster, two very promising young boars. He is offering to sell some choice spring gilts bred to these boars.—Advertisement.

Thos. F. Walker's Poland China Sale

Thos. F. Walker & Son, Alexandria, Neb., are selling 50 head of Poland China bred sows and gilts on February 1 at farm 3 1/2 miles southwest of Alexandria. In this herd one finds a great bunch of herd sows, those big bone, high back 750 to 900 pound kind. In this sale they are selling sows by Blue Valley Big Bone, Jumbo Black Jack, Designer, The Avalanche, Liberator, Big Black Designer and Col. Bob. Boars that have made records as sires. These sows are bred to boars that are of the real big type and carry the best of quality. This offering has all had the double treatment. Send to Thos. F. Walker for sale catalog, which will describe sale offering.—Advertisement.

John Simon's Duroc Sale

We have all been talking about wanting hogs with good feet and bone. Well, John Simon of Humboldt has been very careful along those lines. In Simon's Top Orion he has a boar that is a wonder in that respect and he has been breeding that way. He is also one of the breed's largest Duroc boars. John has always used the best of herd boars and in that way has built up a great herd. This fall he went out to get a herd boar to mate on the get of Simon's Top Orion. He selected a Pathfinder boar called Pathation. This pig is a real one and has as good feet and legs as I ever saw on a boar. John is still staying with a real foundation. His bred sow sale will be held in Humboldt, Neb., January 24, 1922. Write for sale catalog, which will give full description and breeding of the sale offering.—Advertisement.

Putman & Son's Duroc Sale

Putman & Son sell bred sows in the new sale pavilion, Tecumseh, Neb., January 23, 1922. They are selling a great lot of sows—15 tried sows, 15 fall gilts and 10 spring gilts. A number of these sows sell bred to the old boar, Great Pathfinder. The get of Great Pathfinder won more prizes at the Nebraska State Fair and National Swine Show than all other Pathfinder boars. Hezapathfinder by Great Pathfinder out of an Avector dam proved his superior quality at both Nebraska State Fair and National Swine Show 1921. A number of the sows are selling bred to him. The rest of the offering are selling bred to Superior Sensation. He is by Great Orion Sensation 2nd, a grandson of the world's grand champion, Great Orion Sensation. He is one of the good spring boars I have run on to this year. Send for sale catalog to Putman & Son, Tecumseh, Neb.—Advertisement.

BY O. WAYNE DEVINE

H. W. Flook & Son's Duroc Sale.

The well known Duroc breeders, H. W. Flook & Son, of Stanley, Kan., have announced February 28 for their annual bred sow sale. They have cataloged 28 head of large spring yearlings and 12 head of tried sows. The offering is a well grown out lot of useful breeding Durocs that come from a line of breeding that has made money for Mr. Flook & Son. They represent the Golden Model 2nd, The Pathfinders and Orion Cherry Chief families. About one-half of the offering is sired by Van's Col. by Van's Orion Cherry King and will be bred to Orion Pathfinder by Ideal Pathfinder. No sale of Duroc bred sows should attract greater attention among farmers and breeders than that of Mr. Flook and Son. The sale will be held right in town. Stanley is on the Frisco railway from Olathe, Kan., or Belton, Mo. Parties attending the sale will be met at Overland Park, Kan., on the Strong Line from Kansas City to Olathe, Kan. The catalogs are ready to mail. Please send for yours today and arrange to attend this sale. Kindly mention this paper when you write.—Advertisement.

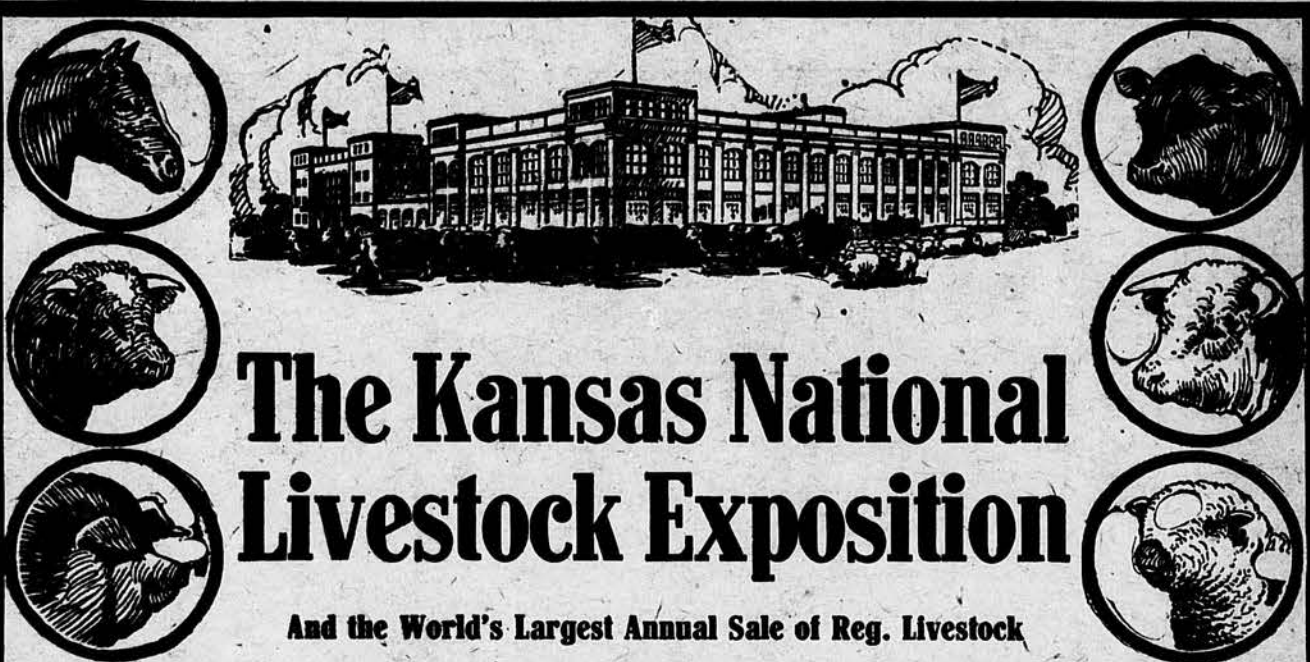
Glenwood Farm's Poland Sale

C. S. Nevius & Son, the well known breeders of Shorthorn cattle and Poland China hogs at Chiles, Kan., have announced February 14 for their annual bred sow sale. On this date they will catalog and offer 25 head of big spring and fall yearling gilts weighing from 400 to 500 pounds and 25 spring gilts, weighing from 300 to 450. They are sired by Quality Bob, Model Big Jones, Col. Bob, The Jayhawker and Bob's Equal. Twenty-five head will be bred to King Kole Leader, one of the best young boars the Missouri grand champion ever sired. King Kole Leader's dam was by the Missouri grand champion, Big Bone Leader, two of as good big type boars as ever were fitted and shown at any Missouri state fair. The writer has been making regular trips to the Nevius farm for the past fifteen years and we have noted the improvement each year of the cattle and hogs kept on the farm. Nevius & Son have owned several good breeding boars, among them were Old Designer, Quality Bob, Model Big Jones and Bob's Equal, but we feel sure that King Kole Leader is the most promising herd sire they have ever owned. Both his sire and dam's sire were grand champions. The Poland China hogs on the Nevius farm are grown in a way that they go out and make good in their new homes. The sows sold in the last Nevius sales farrowed an average of nine pigs to each sow. The litters run from 7 to 12 for each sow sold. The offering that will be sold in their February 14 sale, we believe the best they have ever offered. They are not fat but well grown and are in good breeding condition. No sale should attract greater attention among farmers and breeders than that of C. S. Nevius & Son at Chiles, Kan., on February 14. The catalogs are now ready to mail and the sale ad will appear in our next issue. Please send for your copy and mention this paper.—Advertisement.

BY T. W. MORSE

Colorado Holsteins at Wichita

Holstein breeders should look up the advertisement of the Arkansas Valley Beet and Irrigated Land Company in this issue. This company owns the Amity Canal Model Dairy farm at Holly, Colo., the home of one of the good herds of Holsteins in the west. They are consigning several head of Holsteins to the Holstein sale at the Kansas National Livestock Show at Wichita. Look up their advertisement and note the class of Holsteins they will have in the sale.—Advertisement.



The Kansas National Livestock Exposition

And the World's Largest Annual Sale of Reg. Livestock

Wichita, Kansas, January 23-28, 1922

Judging commences promptly at 9 a. m., Monday, January 23, and continues daily until finished.

Daily Auction Sales

**Tuesday,
January 24**

9 a. m.—Sale of 4,000 Stocker and Feeder Cattle in car lots.

11 a. m. Purple Ribbon Hereford Sale. Sixty high class show and breeding cattle, sired by and bred to the best bulls of the breed. T. R. Early sells 4 bulls, 8 females, all line bred Anxiety 4th. G. L. Mathews, 3 bulls, 6 females, including his 1921 show herd, some of them sired by Repeater 126th, his sire and dam both Royal Champions. Females bred to Grand Champion Regulator 1st. W. J. Brown consigns 9 show cattle by the Grand Champion Avondale, etc.

2 p. m. Hereford Breeders Sale. Sixty good useful Herefords consigned by some of the best breeders in Missouri, Oklahoma and Kansas.

**Wednesday,
January 25**

9 a. m. 50 Registered Shropshire and Hampshire Sheep, including entire prize winning show flock of O. A. Homan all sired by the Champion Sen. Bibby 17th.

10 a. m. Sale of 55 Bred Duroc Sows, 5 boars, including 20 females sired by or bred to sons of the World's Grand Champion Great Orion Sensation. The Zink Stock Farm sells 14 by Peerless Pathfinder, Uneeda High Orion, Pathfinder Chief 2nd, Royal Pathfinder, Shepherd's Orion Sensation, Victory Sensation 3rd, etc., most of them bred to the Grand Champion Great Sensation Wonder. B. R. Anderson sells 7 bred to the State Fair Winner Victory Sensation 3rd. Other high class consignments from B. W. Conger, Homer Drake, John O. Kane, Paul N. Marsh and others.

2 p. m. 60 Poland China bred sows, 5 boars. This sale includes 25 bred sows or gilts, one each consigned by members of the Kansas Poland China Breeders Association. Every breeder wants his herd well represented in the Kansas Breeders State Sale. Thus you can depend upon it that the tops of the best herds in Kansas will be sold here. We sell Bob Pershing, a special herd boar attraction, a 1,000 lb. son of the World's Grand Champion Caldwell's Big Bob, dam by the State Fair Grand Champion McGath's Big Orphan. 10 head sired by or bred to the State Fair Grand Champion, Carnation Bob, etc.

**Thursday,
January 26**

9 a. m. Purple Ribbon Shorthorn Sale. The best lot of Scotch Shorthorns ever offered in any sale west of the Mississippi River. More than 100 Scotch bulls, cows and heifers by such bulls as the \$20,000 Imported Rodney, the famous Grand Champion Maxwalton Commander, Imported Bapton Corporal, Village Marshall, Princely Stamp, Villagers Cornet, etc. Others by Roan Lord, Imported British Emblem Villager, Jr. Hallwood Villager, etc.

9 a. m. Sale of Aberdeen Angus.

1 p. m. Holstein-Friesian Sale under management of Kansas Holstein-Friesian Association, W. H. Mott, Manager.

**Friday,
January 27**

9 a. m. Sale of 20 selected Show Mules.

10:30 a. m. Sale of Jacks and Jennets.

12:15 p. m. Sale of 15 Percheron Stallions, 40 Mares, 10 Colts, including two sons and 6 grandsons of the \$40,000 Grand Champion Carnot, also 10 granddaughters of Carnot, mares bred to sons of Carnot, Casino and other noted sires, one of the best offerings of sound fresh young horses ever offered.

Entries for the show are free, they close January 2nd. We can accept a few more good Herefords, Angus, Sheep, Durocs, Jacks and Mules in the sales. Wire or write at once if you want to sell with us. Separate Sale Catalog for each sale. Write for the one you want.

F. S. Kirk, Manager Room 21, **Wichita, Kan.**
Live Stock Exchange

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