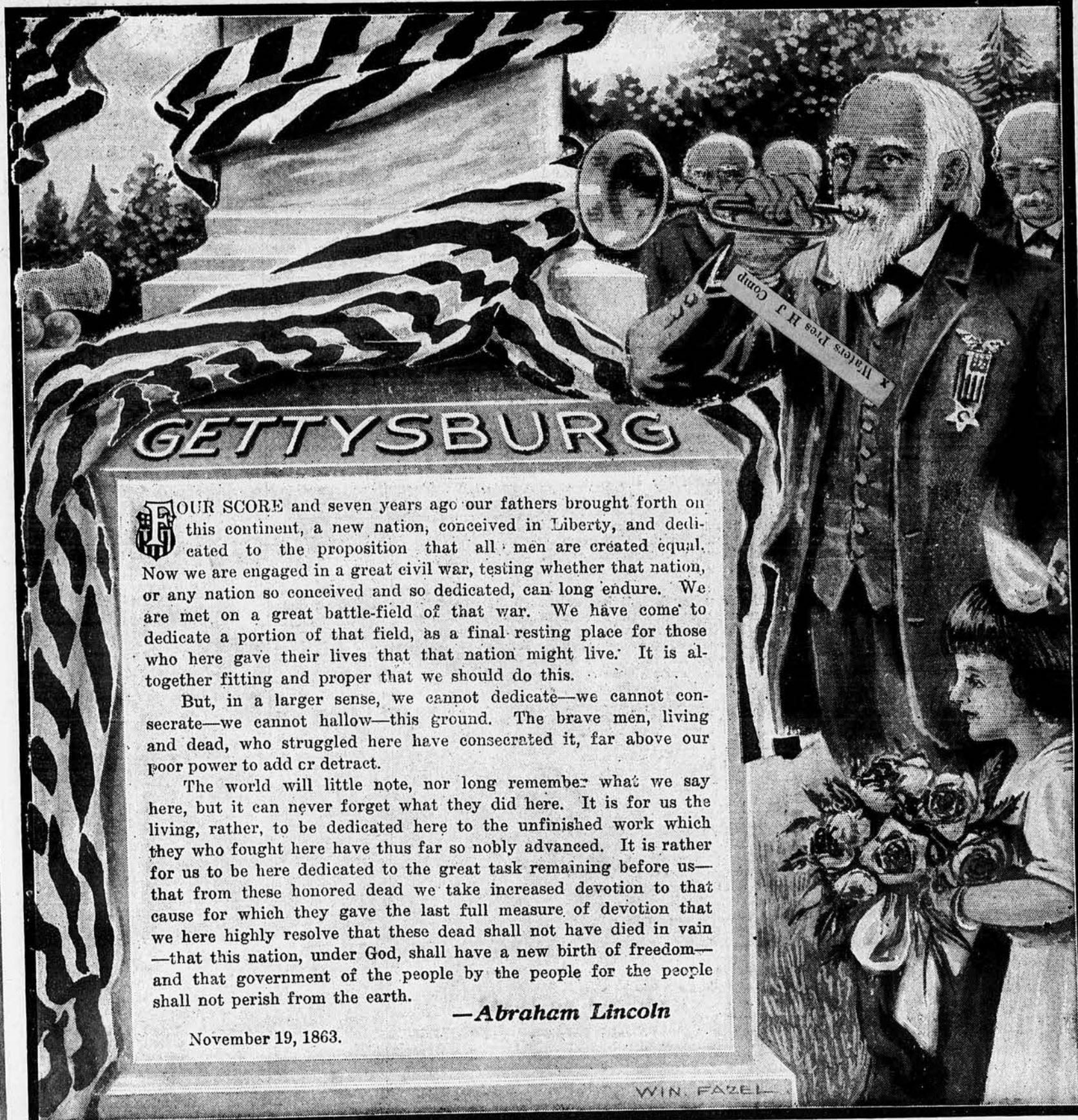


THE FARMERS MAIL AND BREEZE

Volume 43

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Number 12



FOUR SCORE and seven years ago our fathers brought forth on this continent, a new nation, conceived in Liberty, and dedicated to the proposition that all men are created equal. Now we are engaged in a great civil war, testing whether that nation, or any nation so conceived and so dedicated, can long endure. We are met on a great battle-field of that war. We have come to dedicate a portion of that field, as a final resting place for those who here gave their lives that that nation might live. It is altogether fitting and proper that we should do this.

But, in a larger sense, we cannot dedicate—we cannot consecrate—we cannot hallow—this ground. The brave men, living and dead, who struggled here have consecrated it, far above our poor power to add or detract.

The world will little note, nor long remember what we say here, but it can never forget what they did here. It is for us the living, rather, to be dedicated here to the unfinished work which they who fought here have thus far so nobly advanced. It is rather for us to be here dedicated to the great task remaining before us—that from these honored dead we take increased devotion to that cause for which they gave the last full measure of devotion that we here highly resolve that these dead shall not have died in vain—that this nation, under God, shall have a new birth of freedom—and that government of the people by the people for the people shall not perish from the earth.

—Abraham Lincoln

November 19, 1863.

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A Near View of Wilson

The President Who Has Changed the Rules

BY ARTHUR CAPPER

IT SEEMED to me, while I was in Washington, that nearly every Democratic family in Dixie-land had sent some member of its household there to find a job under Wilson. Crowds of office-seekers are making life busy not only for members of congress, but particularly so for the new president and his cabinet.

Nearly every other president, whether what is termed, "a good politician" or not, has obeyed a personal sense of gratitude or resentment in filling and vacating offices. But Woodrow Wilson, playing bigger, broader and more daring politics, and at the same time obeying his own instincts and political ideals, has changed the rules. The old doctrine of rewarding your friends and ignoring your opponents in the party, he has cast aside along with a score of "precedents" of conduct that used to hedge around the person of the president. If Mr. Wilson believes a man is what he calls a "progressive Democrat" he does not take matters of former factional allegiance into consideration. Whether that man was for or against the governor of New Jersey before the Baltimore convention, matters not with the president. The "original Wilson men" must show their qualifications for office along with the rest of the candidates who seek the commission of our impersonal president.

Enemies and bewildered old-style politicians call it ingratitude. But it will continue to be practiced under "The New Freedom." The best man for the place, provided he be a "progressive," whatever his past factional allegiances—that is the motto of the administration. What a striking contrast with the new Democratic administration in Kansas, which makes a specialty of appointing standpatters only.

The president prefers Democrats (a statement of the case that makes the old party workers froth at the mouth), but if he finds a particularly worthy Republican official, that worthy official will continue to work for the government. How different from the Democratic program in Kansas which throws out high-class public officials like Warden Coddling, that a place may be given to cheap politicians who rendered the new administration some service in the campaign!

The president's policy has, it is true, filled congressional mail with threats of rebellion within the party, with anathemas on the head of the president, with dire prophecies for the future of Democracy. These complaints come from the party workers, a potent lot, or they were very recently. But they do not come from the mass of the people, and on that fact, I was told, the administration is staking its life.

Mr. Wilson will not see the applicants for office: first, because it would consume too much of his time; second, because an applicant, unable to make the trip to Washington, might be discriminated against. This exclusion sits ill on the party stomach but the president and his advisers are confident the country will approve. "The party means nothing to me as such," he has said repeatedly. "I am a Democrat primarily because that party's past performances and present aims most nearly represent what I believe to be right." Beyond this, nothing. To be sure, the president realizes—and if he forgot it, his thoroughly competent secretary would remind him—that this is a government by party, that Mr. Wilson was elected as a Democrat and that the success of the party means the success of the president. But the personal equation has been torn out of the Wilson arithmetic, and many of the pages devoted to the party equation are missing.

Washington is too bewildered as yet to pass final judgment, but as I sized it up after talking with representative men of all political parties and with a score

of well-known newspaper correspondents, the wise men at the national capital will to this extent venture a prediction: Woodrow Wilson will make no serious mistakes of head. His insight into the public ideals of the American people is inspired and uplifting. He is patriotic, earnest, combative, stubborn, and—if necessary—disagreeable. But he lacks heart, or seems to. With an instinctive and protective sense of his lack, his destiny has supplied it in Joseph P. Tumulty, the presidential secretary, who is the best "mixer" I met in Washington. If the president can accurately gauge the minds, Tumulty can gauge the hearts, of men. In the opinion of the folks at Washington, the combination while it holds together is irresistible. But without Tumulty to soften the rigid mentality, to humanize the ultra-intellectuality and to absorb the shocks of the impersonalism of the Wilson administration, it would not be sure of favor in a country so accustomed to the other sort of rule. I have met five presidents at the White House, Wilson was the most cordial. But the president, through himself, will never have a great personal following, was the impression I formed of him. However, his acts will be in the main approved and sustained by the people, provided the diamond-bright and diamond-hard intellect behind them continues to be translated into human terms by such an agent as Tumulty. The gossips of the capital are sure that no man in his party, at least, can stand before Woodrow Wilson.

No happening in Washington since March 4 has caused more comment than Secretary Bryan's grape-juice banquet. The refined gentlemen of the European diplomatic corps at the capital tremble for the dignity of our nation and in private make no attempt to conceal their feelings of disgust; then, too, a great many southern colonels look upon Mr. Bryan's dry dinners with unadulterated derision.

That wine must be served at state dinners at Washington, or something awful will happen, is simply a traditional bugbear and humbug, and all sensible, thoughtful people believe that Mr. Bryan acts within his rights and sets a good example to the whole country. The effect of his advocacy of temperance while in a position of honor and power cannot fail to be very great. It will help to make America stand more than ever for private decency as well as for public honor.

Studying the personnel of the sixty-third congress, I was impressed more than ever with the fact that the people throughout the country took the view last fall that some reform was necessary. It is surprising the number of men who were elected on reform and progressive principles. Evidently the voters begin to see that it is infinitely more important to know what public men stand for and what they will do, than to know what political party they belong to. Both of the old parties in congress are filled with men like Senator Bristow, who said to me: "My politics in future will be to stand for principle and not party. I am going to support the things that are right and that will bring this government closer to the people. I shall vote with my party when it is right, and when it is wrong, I will vote against it."

I believe nine-tenths of the American people endorse that platform.


Drenching With Lime for Bloat.

Mr. Editor—I have a never failing remedy for bloat in both cows and horses. It is simply a lump of unslaked lime about the size of an egg dissolved in a pint of water. Use this to drench the animal. It starts them to belching and is a certain relief.

Belvue, Kan. William Littlefield.

No, indeed, I have no notion of quitting the good old Mail and Breeze.—W. W. Fry, Happy, Tex.

A Wagon Built Like A Bridge



Weather Has Little Effect On It

HERE is a wagon that will not dry out and become loose, or rot and break. It never has cracked hubs, split felloes or loose tires. It has no bolts and nuts to work loose and rattle off, and nothing to come apart. It is not affected by dry or wet weather, nor by heat or cold.

Troubles, so common to the ordinary wagon, are overcome entirely.

This wagon is made of steel I-beams, channels and angles—the strongest shapes known in steel construction work. It is put together with large steel rivets, inserted hot under great pressure. They do not become loose even after years of service.

Davenport Roller Bearing Steel Wagon

Its axles are steel I-beams, the ends of which are rolled into shape for the spindles. No material is cut away. All of the original strength remains.

The gear parts and bolsters are scientifically built and braced so that the load is distributed evenly over the entire wagon. No one part does more than its share of the work.

This wagon has steel wheels made with a tension. The weight of the load is carried by all of the spokes—each one doing its share regardless of whether it happens to be located at the top, bottom or sides of the wheel.

Davenport Steel Wheels run on straight spindles, and the tires bear flat on the ground. Strongest wheels known for wagons.

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Best of all are the Roller Bearings. It is because Davenport Wagons have roller bearings that you can do work with two horses and a Davenport that would ordinarily take three horses.



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Just push back the lid of the oil cup in the wheel, squirt in a little oil and let go of the lid. It closes itself.

It takes but a few minutes to oil a Davenport Wagon. You don't use a jack, waste time or soil your hands.

Send for this Book

"When the Going Is Hard" is a little booklet that contains a lot of interesting things about the Davenport Roller-Bearing Steel Wagon. Among others, it tells how neck-weight is taken off the horses, why Davenport Wheels do not fill with mud, how the bearings are made dust-proof, etc. It also fully explains and illustrates the use of roller bearings on wagons.

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THE FARMERS MAIL AND BREEZE

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



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CAN KANSAS FARMERS BE THEIR OWN BANKERS?

THE need of cheaper money for farmers is being discussed all over the United States. It has been proposed that farmers become their own bankers through co-operative credit organizations.

Before asking the question, Can our farmers become their own bankers? it might be asked, Do they need to?

The question may be answered with little hesitation: At least some change is needed.

The present banking system was developed in the interest of the merchant and manufacturer. "The farmer is an outsider and generally secures indifferent or exorbitant accommodations at the banks." It is not the bankers' fault; it is not the farmers' fault. It is the fault of the banking system.

These are well known facts: The government's figures show that farm loans run from 2 to 4 per cent above commercial loans (to business men) in the United States. And Kansas is no exception. The prevailing rate of interest reported in many counties in western Kansas is 10 per cent. To quote from a recent letter written by an old settler in Stevens county:

"The exorbitant rate of interest that is being charged throughout this district is driving people out of both states (Kansas and Oklahoma) by the thousands. The costs of borrowing (including interest) often exceed 20 per cent."

The need of cheaper credit is attested in the appropriation by congress of \$25,000 for the study of the ways in which European farmers have solved this very problem. An expert commission has already left this country to complete this study, and farmers of the United States may soon be relieved of the burden they are bearing as a result of inefficient sources of credit.

Well, asks the skeptic, granting the farmers here in Kansas need better banking facilities, what can be done to give them these agencies?

The answer is, make it possible for them to become their own bankers. In many states and in several counties of our own state farmers even now are acting as their own millers, their own storekeepers, their own coal merchants, and even as their own laundrymen. Allen county has a \$2,000 farmers' co-operative laundry. In other words, apply co-operation to banking. Some explanation should be given of the word "co-operation" now so frequently used. In every industry except agriculture men have found the truth of the adage, "United we stand, divided we fall." Literally, co-operation means working together. Farmers alone hang back. The farmer thinks alone, works alone, and competes alone against many. When he sees the value and advantage of co-operation he will choose the better method.

It has proved practicable for farmers to combine for borrowing just as they have combined in store management and elevator ownership. In Germany alone, where co-operative credit societies originated, there are now some 17,000 such banking unions and their deposits are more than 500 million dollars! Thousands of loans

A Consideration of Rural Co-operative Credit From the Home Viewpoint

BY KARL A. MENNINGER

Written For Farmers Mail and Breeze

are made every week at low rates of interest where formerly starving peasants paid interest rates occasionally as high as 100 per cent, frequently above 20 per cent. Are such results not worth considering?

In almost every country in Europe, from Servia to Ireland, such banks are in operation; owned, controlled and managed by the people themselves. There are a few in Canada, and Massachusetts has provided for them by a recent law.

But thorough education and information should precede legislation. Briefly this is the plan of the co-operative bank: A group of men, well known to one another, organize themselves into a credit union. They buy small shares, usually about \$5 par value. Then (and this is the main feature) they unite in standing security for debts to be contracted in the name of the society. On this security outside banks and individuals are willing to lend money to the society at low rates of interest. Deposits also are received, both from members and non-members. New members are voted in as desired.

With this capital stock provided, loans are made to members only, and with these provisions:

1. The borrower must state the purpose of his loan and he must use the money for the purpose stated.
2. This purpose must be a productive one, that is, it must be for something which will add to the borrower's wealth. For example, money may be borrowed for a plow, but not for a piano.
3. A committee chosen by the society must pass on each loan.

Some of these banks pay dividends; others do not, but devote their profits to the purchase of machinery owned in common, or for city or road improvement. Nowhere is it the idea to make money for the society; always it is the aim to help the farmer to help himself by having farmers help one another.

There are many varieties of these banks but all are similar in general principles, as here outlined. The commission appointed hopes to determine which type is most applicable to American conditions.

Co-operative banks, as these credit unions are called, are not banks in opposition to the state and national banks already existing. In every place where they have been introduced, as in Germany, they have helped rather than opposed other banks. The average bank today does not find it worth while to "monkey" with short time loans to farmers except at high rates of interest. But with co-operative banks the farmers could have these loans at low interest, and the banks could handle the money in profitable amounts. Credit promotes improved production, which in turn means more money, and money enlarges credit. And thus the mill-wheels of increased production are started by improved credit facilities.

Briefly, what would be the result of co-operative banks in Kansas?

We may say, conservatively, that interest rates would be brought to a reasonable level, that loan sharks would disappear, that immigration into Kansas would supplant emigration from Kansas, that thrift and business ability would increase among farmers and their families, and that there would be a great advance in production and the general prosperity of the Kansas people.

What's to Be Done About Markets?

Mr. Editor—Farmers are becoming considerably exercised over market conditions. One of our largest spinach growers shipped 50 crates of spinach recently to St. Louis. The demand being good he expected at least 75 cents a crate, but his returns were 35 cents. He found the commission man had turned the spinach over to jobbers at whatever price they might give. The jobber sold this same spinach to the retailer at \$1 per crate. The express company, the commission man, the jobber and the retailer were all getting a good living between the producer and the customer. This is the present system of reducing the high cost of living. The spinach grower will never sow another seed.

Last year the peach growers decided to load the cars and sell them on track at auction, thinking that would force competitive bidding. But the commission men selected one man to bid off all the cars and then divided them up. The next move was to ship all peaches to one person in a town. But agents here telegraphed just what to pay.

Then an organization was formed to market the peach crop. Altogether it cost 34% cents to put the peaches in the car, and some of them sold as low as 35 cents a bushel. When resold on the market they went at \$1 and \$1.50 per bushel. These conditions have caused many peach growers to reduce the size their orchards.

But let's keep after the producer; whoop him up, have him grow more to reduce the high cost of living. He and his good wife and family are working only 12 to 16 hours per day at an average monthly income of \$22.61, according to government statistics.

H. GROESBECK.

Van Buren, Ark.



WILL THE THING WORK IN THIS COUNTRY?

The Farmers Mail and Breeze

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



PASSING COMMENT

by
T. A. McNeal

THE FADING LINES. Yesterday the remnant of the old army that fought and won the war for the Union celebrated the 48th memorial day since the close of the war. It has been a long time and yet it does not seem so very long since the war of the Rebellion ended.

When the first call for troops was made in 1861 the military age ranged from 18 to 45. The youngest enlisted soldiers so far as the records were concerned were 18. Those boys of 18 then, if they are living now are 70 years of age. As the war progressed more and more young boys were admitted. They were more anxious to enlist than the older men and very naturally so. They had the boyish thirst for adventure.

All the boys from 7 years up whose parents were favorable to the Union wanted to enlist. They didn't know much about the causes for the war, neither did they care. There was the sound of the fife and drum, the wearing of uniforms, the life in camp, all that appealed to the boy, and many a lad of 14 or 15 managed to get by the recruiting officer. Of course, he lied about his age and declared that he was 18. The recruiting officers knew these boys were lying, but it wasn't considered a very serious offense. The government just then needed soldiers and needed them badly.

It had also been discovered by actual experience that the young boys made the best soldiers. They had no families to worry about. Perhaps just when they first got in they were troubled with homesickness, but that didn't last long, and after that they enjoyed the care-free life of the camp. It was also discovered that they could march as far in a day as the older men and they recovered from fatigue quicker. So it came about that the great war was largely fought by boys under 20 when the war commenced. The experience developed them at a remarkable rate. Boys entered the army when 17 or 18 and commanded regiments by the time they were 20. Even the most of the generals were young men. Grant commanded at the Battle of Fort Donelson when he was under 40. Sheridan was the world's greatest cavalry commander when he was 34. Kilpatrick was a major-general when he was only 26.

War is a terrible thing, and especially a civil war where brother fights against brother, but while the men who served in the Union army had to suffer many privations it must be said that in a way it gave them a magnificent practical education. They were subjected to discipline, made self-reliant and courageous. After the war they went into all lines of business and for a third of a century dominated the business and politics of the country.

More than 20 years after the war was over more than half the members of the Kansas legislature were ex-Union soldiers. Every governor of the state up to the time that Glick was elected in 1882 was an ex-soldier. Every president of the United States elected after the war until 1904, with the exception of Cleve-

land, had been a distinguished soldier in the war of the Rebellion—Grant, Hayes, Garfield, Harrison and McKinley.

Many of the men who marched in the processions that went to strew flowers on the graves of the dead yesterday are still vigorous men, although it has been more than half a century since the war commenced. But the years are telling on most of them now. They realize that at best the remaining time on earth for most of them is short and they are facing the inevitable with as much cheerfulness and courage as they showed 50 years ago.

GOVERNMENT OWNERSHIP OF RAILROADS.

The other day I received from his son, a copy of a pamphlet published some years ago containing a number of articles written by C. W. Davis, commonly known during the last 20 or 25 years of his life as "Cottonwood Davis." This nickname was given him on account of an article written by him defending the cottonwood as a desirable kind of timber for Kansas. And, by the way, the much derided cottonwood has since then demonstrated its usefulness.

Mr. Davis was a remarkable man. He was a student all the years of his life after reaching manhood. He had a genius for gathering and compiling statistics and had stored in his head, perhaps, more information concerning production, especially of farm crops, than any other man in the United States.

In the pamphlet referred to I find an article written 20 years before his death on the subject of government ownership of railroads. This article was published in the Arena in 1891 and so nearly covered the entire ground that so far as argument is concerned, I hardly believe anything could be added to it even now.

Events subsequent to the date on which the article was published have confirmed the statements and the reasoning of Cottonwood Davis. He clearly saw the evils of concentrated wealth, although corporations of that time were small as compared with the vast organizations that succeeded them. He saw that the control of the transportation and of the money of the country in the hands of the few was inevitable under the corporation system and he also saw that the logical and eventual solution must be government ownership of the railroads of the country and governmental control of the money of the country.

He fairly stated all the leading objections to government ownership and with calm, dispassionate argument and statistics riddled the objections.

The article in question is too long for re-publication in the Mail and Breeze and it would be difficult and probably impossible at this time to get copies of the magazine in which it was published. If it were possible I wish that every reader of this paper could read that argument. I believe, after reading it, if he is a person of open mind, that he would be an advocate of government ownership of railroads as the logical and only real solution of the transportation problem in the United States.

HIGH-PRICED COFFEE.

The people of the United States are the greatest coffee drinkers in the world. We consume more than a third of all the coffee produced in Brazil, to say nothing of the coffee imported from other countries.

The coffee drinkers have noticed that the price of the ordinary grade of coffee has advanced 100 per cent within the past four or five years. There may be an impression in the minds of some that the price has advanced on account of a falling off in the crop. Possibly some have imbibed the impression that the tariff has something to do with it.

Neither surmise is correct. The coffee crop has not decreased, but on the other hand has increased in the leading coffee-producing nation of the world, Brazil, and would increase much faster if the production was not curtailed by arbitrary action of the government. There is no tariff on coffee and has not been for many years, so that the rise cannot be attributed to the tariff.

The increase in price is caused by one of the most tremendous combines ever organized for the purpose of controlling the output and price of any article. It is a combine engineered by a German-American Jew by the name of Herman Seilken, the parties to it are the Brazilian government, a great banking house in London and a great banking house in New York, also some leading German bankers.

In 1906 the state of Sao Paulo, Brazil, where the great coffee plantations are located, undertook, probably at the suggestion of Mr. Seilken, to control the output and price of coffee. The state issued first 15 million dollars in bonds, the proceeds from the sale of which were to be used in buying up the coffee by the state and holding the same out of the market until a better price could be obtained.

This was found to be insufficient to control the crop and in 1908 another plan was agreed upon by which the state should issue 75 million dollars in 5 per cent bonds to be guaranteed by the Brazilian government, the proceeds to be used in buying up and holding from the market the coffee grown in that country. In addition to that the government of Brazil levied a heavy export tax on coffee shipped out of the country by private individuals and laws were passed forbidding the planting of more coffee trees in Brazil.

The bonds were sold to the English, American and German bankers at the rate of 85 cents on the dollar. They were secured by the guarantee of the Brazilian

government and also by lien or mortgage on all the coffee purchased with the proceeds. This would make the rate of interest on the money actually paid for the bonds when paid at maturity, about 9 per cent, which is a very comfortable rate on government secured bonds.

Mr. Seilken was certainly no slouch when it came to looking out for his own interests. He has looked out for business at this end of the line. He bought coffee as agent of the combination and then as agent for the combine he sold the coffee to himself. The result of that combine is that the coffee drinkers of the United States have had to pay 70 million dollars per annum more for their coffee than they would have done under the old system.

Senator Norris, of Nebraska, introduced and had passed a bill to punish the men in this country who had entered into this combination in restraint of trade. The bill provides for a fine of from \$100 to \$5,000 and imprisonment from three months to three years. During the Taft administration Attorney General Wickersham instituted a prosecution against Seilken and others. It looked as if they would be cinched and the combine probably broken up, but for some reason the present attorney general has dismissed the suit.

Why he dismissed it is not clear. Mr. McReynolds does not seem to be a talkative sort of man and does not disclose his reasons for dismissing a suit which, if pushed to a successful finish, would probably save the coffee drinkers of this country 70 million dollars per annum.

STATE COMMISSION GOVERNMENT.

That the people very generally desire a less complicated and less expensive government is, I believe, true. We have too much legislation and the legislation that is enacted is often hastily done, resulting in numerous absurdities and often in obscurity of expression that necessarily results in disputes which must be settled by the courts at considerable expense and delay. The statute books are burdened with laws that are unnecessary, or if they ever were necessary they have become obsolete.

Theoretically every man is supposed to know what the law is and cannot plead ignorance as an excuse for disobeying it. As a matter of fact, no man knows all the laws that are on the statute books, while the average man with limited opportunity for finding out what the statute books contain, knows comparatively few of them.

It follows, then, that in order to make it possible for the ordinary citizen to know and understand the laws he is required to obey, laws should be as few as possible consistent with orderly and effective government and those few should be as plain and brief as possible.

The vast number of statute laws, the perplexing character of many statutes, the obscure and contradictory provisions often found in them has led to an increasing sentiment in favor of a simplified form of government. But this fact must always be kept in mind. The powers of government must not be concentrated in the hands of a few. Oligarchies have always resulted in tyranny and corruption. If history has proved anything, it has proved that unrestrained power is almost always abused.

Government by an all-powerful czar might be the best form of government if the czar was a perfect man; a man of unlimited wisdom, free from selfishness and bigotry, entirely just and merciful, with perfect honesty and executive ability, capable of directing successfully every department of government. The trouble is that no such man lives and there is no likelihood that such a man will ever be found. To grant unlimited power to any one man or any 10 men is most dangerous to the liberties of the masses.

If we are to have a single legislative body it should be composed of a sufficient number of persons to represent the varied interests of the state and especially must its power be so hedged about with checks that it cannot very well harm the people.

I believe this single body should be composed of not less than 30 representatives, well distributed over the state, and I think that all general acts passed by it should be submitted to a popular vote for ratification or rejection before they go into effect. I think the number of measures that this legislative body could pass and submit to popular vote should be limited to a number small enough so that the people may be able to study and understand them before voting on them.

I think the number of measures that should be passed and submitted to popular vote should not exceed 25 or 30 at the outside. These should be printed and distributed to the voters. Then it should be provided that every school house should be opened one evening in the week for the purpose of discussing the proposed measures. They should be taken up one at a time and discussed in each school house. If a single evening did not afford sufficient time to fully discuss a proposed measure then more than one evening should be devoted to that purpose.

In this way practically all the people of the state, the voters, would become thoroughly familiar with all the general laws placed on the statute books. These meetings and public discussions would, in my opinion, be great educators. The people would not only become familiar with the laws they must pass upon, but they would realize that they were really

the governing power and each one in a measure responsible for the conduct of the state government.

Emergency measures that could not wait for this referendum vote might be passed by this legislative body, but no emergency measure should be passed unless it received the votes of two-thirds of the members of the body. Then the measure should be printed and distributed among the voters, together with the record of the votes of each member of the legislative body either for or against. This publicity would be a strong check on any inclination on the part of the members to pass any selfish and shady measure. This plan I am in favor of.

There is a proposition to cut the commission down to 16 or even to eight men with no sufficient check on them, in my opinion. I do not believe in that at all. That would mean, in my opinion, a political oligarchy and probably would result in corruption. Neither do I believe that the wisdom of this very limited body, even supposing they could not be reached by improper inducements, would be equal to the wisdom of a larger body, selected so as to represent the various districts of the state.

Neither do I believe that the wisdom of this powerful few would equal the wisdom of the entire body of voters, when that entire body had an opportunity to examine and study the laws submitted to them. To hand over the entire management of the state, legislative and executive, to this commission of eight or 10 men would be taking out of the hands of the people the power that rightfully belongs to them and, in my opinion, the people of Kansas will never submit to that.

What we want is a system that will give more power to the people, not one that will take away most of the powers they now have.

UNTAXED IMPROVEMENTS AND CHEAPER LUMBER.

Editor Mail and Breeze—Knowing farmers to be just as avaricious as other people, I don't think it would do to let them get their money cheaper than 10 per cent as they would buy all the land they could borrow money to buy with. With a graduated land tax so no one person could hold more than 160 acres with profit, it would be all right for the government to issue money on farm property direct, but not otherwise. What would help more would be, no tax on improvements and cheaper lumber.

G. E. FROST.

Miltonvale, Kan.

If the average farmer cannot borrow money at less than 10 per cent per annum, he had better not borrow at all, for unless he has extraordinarily good luck he cannot make 10 per cent on the money he borrows and the longer he has it borrowed the worse off he is.

I judge that Mr. Frost is a single taxer. While I do not pretend to fully understand the single tax theory, I do not believe that it would bring the desired relief.

AN IMPORTANT WEDDING.

Last Saturday Louise, the only daughter of Emperor Bill of Germany, was married to Prince Ermany, of Hanover. This marriage recalls some very interesting and important German history.

Back in 1863-4 Bismarck, the "Iron Chancellor," was laying his plans for a mighty German empire. Before that Germany had been made up of a collection of principalities, none of them, with the exception of Prussia, of very much force, but all supposed to have equal authority. Bismarck knew that before he could build his great empire he must unite these several principalities under one central authority.

The first move in the game was to get the several German states, including Austria, to jump onto little Denmark and compel her to restore to the duke of Schleswig-Holstein the duchies of Schleswig and Holstein, which his nibs, the duke of Holstein, claimed had been frisked from him contrary to the rules laid down in Hoyle. Denmark was whipped, all right, but did his dukelets of Holstein get back his duchies? Nay, nay, Pauline, he did not.

Bismarck simply remarked that the duke was a clump and hadn't sense enough to properly manage these duchies, therefore he would take them over for the new empire he was building. Of course, the allies roared. Austria was especially warm under the neckband and asked in somewhat loud and strident tones, what Bismarck took them for, anyway, to suppose that they had gone into the arrangement simply to pull some chestnuts out of the fire for his benefit.

In answer to this reasonable inquiry Bismarck simply laughed a loud and raucous laugh and asked Austria what she proposed to do about it. Austria said that she would fight. She did. Bismarck had expected that and was ready. Austria was trimmed in less than 90 days and trimmed right. The king of Hanover, another German state, had taken part in the fight with Denmark and his sympathies were naturally on the side of Austria, but he was a cousin of the first William of Germany, grandfather of the present Emperor Bill.

He supposed that his cousin, the old Emperor William, was his especial friend as well as relative. Bismarck persuaded him finally to promise to stay out of the fight with Austria and then, when he wasn't expecting it, sent Prussian troops to his kingdom and demanded that he take a hand in favor of Prussia. George protested. He wrote a strong personal letter to his cousin William, but Bismarck saw to it that the letter never reached its destination.

George could only do one thing with honor and that

was to send what troops he could to assist Austria. Bismarck had purposely forced him into a fight. When Austria was whipped the fact that Hanover had taken the side of the Austrians gave Bismarck an excuse to take George's kingdom away from him. It was hard lines for George and to the day of his death he was a bitter enemy of the German emperor. His hatred was transferred to his son.

Prince Ernest, who was tied up last Saturday in the bonds of matrimony with Princess Louise, is the grandson of the old King George, who was razzle-dazzled by Bismarck. He is a good looking, mild mannered young fellow, with an abundance of money, who is probably not worrying so very much about his dinky little kingdom. He met the princess sort of by accident, promptly fell in love with her and she with him and the whole business was practically arranged before Emperor Bill was put next. However, he was suited right down to the ground. He wanted to get that old sore healed.

It is generally understood that Louise is the boss of her dad. She will boss Ernest, her husband, and thus finally will Hanover come to be boss of the German empire. All things come to those who wait.

AN ENGLISH-MAN'S OPINION.

An English baronet, whose name just now escapes me, visited this country a short time ago. He probably stayed for two or three weeks in some fashionable New York hotel and from that viewpoint gathered his impressions of the people of this country.

He has gone home and made a comprehensive statement of conditions in this country. He knows all about it and, I presume, is proud of the fact that it took him only three weeks to size up the situation in a country that covers more than 3 million square miles and has a population of nearly 100 million people.

This blooming aristocrat says this country is right on the verge, so to speak, of a revolution and is headed for political ruin and hell on a fast trot.

It is not at all uncommon for a stranger to come into a community and after a few days imagine that he knows all about that community, although as a matter of fact he knows practically nothing about it—but that assumption doesn't compare with the assumption of this baronet that he is able to understand the situation in this, the biggest government on the face of the globe, with its dual system of national and state governments, in three weeks. Of course, he is an egotistical ass, as a great many English baronets are.

No man is wise enough to look into the future and tell what will come to pass. It may be that this government will go down to ruin, as other governments have done in the past. It may be that there is a revolution pending in the near future. Hell may be going to break loose before you and I are much older, but I do not believe it.

I think the people generally are getting more sense instead of less; that they are becoming better educated and more capable of self government, rather than less capable; that they are growing more kind rather than more brutal and that the man of 50 years from now in the United States will live under a stronger, more just and altogether better government than the present government and by that time that the doors of opportunity will be open to every citizen of this country who wants an opportunity.

There is reason to believe that the baronet's own country is facing more serious problems than this. It looks as if the British government has reached the summit of its greatness and has started on the decline. Its great and prosperous colonies in Australia, New Zealand and Canada will grow weary of being classed as dependencies and declare their independence. They can force the mother country to let them go it alone whenever they desire.

India is filled with hundreds of millions of British subjects who have no love for the English. They have remained subjects because there was no unity of action among them, but racial pride is stirring. There is likely to be an explosion before many years that will blow off the lid of British rule and India will be lost to the English. Irish home rule is nearly an accomplished fact and sooner or later Ireland will insist on entire independence. Then the British government will be whittled down to the little island which comprises England and Scotland. It will be a third or fourth rate power.

The English are a wonderful people. The things that have been accomplished by the people of that tight little isle have amazed the world, but they have probably reached the highest point in their national greatness. The baronet has a good deal more reason to feel alarmed over the prospect at home than on this side of the water.

FAVORS PHILIPPINE TERRITORY THEN STATE.

Editor Mail and Breeze—I notice that you have come to the conclusion that Philippine independence will not do. I could have told you that five years ago. And I can tell you that selling the islands to Japan is no better, in fact it is a little bit worse, because such a deal could be put through only over the united opposition of the Philippine people. How do I know? Well, you say yourself that there is nothing more cruel, unreasonable and intolerant than race prejudice. That is true and if you want to get a fair sized sample of race prejudice just get a Filipino to tell you what he thinks of the Japs.

A few years ago, while a student at the K. S. A.

C. I became acquainted with some Filipino boys who were here to finish their education. If there was anything they hated worse than a Spaniard it was a Jap. They know that if Japan gets the islands it's good bye to any hope of self government for them, while with American control they are sure, sooner or later of a considerable degree of local self government.

I fully agree with you that the Philippines were a bad bargain, but like the man who picked up the ball of tar we can't let go. Personally I believe that the Philippines should be given a territorial government like that now enjoyed by Hawaii and Alaska, and should finally be admitted as a full fledged state. Of course there are plenty of patriots who will go up in the air at the mention of statehood for the Philippines, but every one of their reasons will be the exact duplicate of the reasons that were put forth more than a hundred years ago against the admission of Louisiana as a territory. It would sound foolish now to talk of Louisiana as a foreign possession, but 100 years ago that was the way it looked to the people of the Atlantic coast and statehood for Louisiana was opposed for that very reason.

I venture the prediction that 100 years from now the Philippine islands will be as much an integral part of the United States as the state of Louisiana is now.

H. H. MUNGER.

Manhattan, Kan.

To this extent I agree with Mr. Munger. If we are to hold onto the Philippine islands at all they should become eventually a state in the American Union. It is foreign to our theory of government to hold them as a foreign and conquered province as we are doing now.

I do not know what the fact is concerning the feeling of the Filipinos toward the Japanese. It may be that the prejudice expressed by the Filipino students mentioned by Mr. Munger is general. If so I will frankly admit that it would hardly seem right to turn the islanders over into the charge of a people they hated. I had never understood however, that there was such strong race antipathy between the Mongolian and Malay races. I supposed that they harmonized fairly well.

GOVERNMENT LOANS TO FARMERS.

Editor Mail and Breeze—I see many newspapers discussing the problem, what effect it would have on the country if the government should lend money direct to the people at a low rate of interest, and how it should be distributed.

In my judgment without strict restriction of who should be entitled to such loans, it would be a failure. Rich men could furnish good securities, and if such loans are possible, the country would be in a worse condition than at present. It would give the rich more monopoly on the land. Such money should be loaned under oath, for whatever purpose intended. No loan should be made for speculation.

If a man is the owner of a respectable home free of incumbrance, he should not get any loan in a state where it is possible to make a living on 160 acres.

The person in possession of 160 acres of land, free of incumbrance, should be deprived of a loan to buy more land. It should be possible to borrow money for tools to till the soil or to buy necessary farm stock. For security, it could be similar to our present banking system.

The best argument the Socialists have, is the man that tills the soil should be the owner of the land. It would make a vast amount of difference in production; in the looks of a place, and in the feelings of the family, who could call their place their own and sing the song, "Home Sweet Home." Under our present system 70 per cent are renters; slaves for the owners. Such soil must make a profit for two families, for both renter and land owner. The renter is handicapped with his yearly contract—he always feels he may have to move when the time expires or wants to move to better himself. So a farm adviser who tells him the plowing should be done in the fall, and he must sow wheat, buy lime or other fertilizer, wouldn't help him much, when he must move in the spring. So they plant corn and cotton year after year, the land each year declining in fertility.

The government money lending could be through a postal savings bank which could be in nearly every county seat. All over the world there are people unwilling to have a few hold thousands of acres of land. The revolution in Mexico is due principally to the ownership of land.

WILLIAM BRUGGER.

Baxter Springs, Kan.

There is practical sense in the foregoing letter. The object of government loans will be lost if the money is lent for all sorts of speculative purposes and in the end the borrowers would be no better off than before they made the loan.

The speculative fever is like the appetite for liquor, when it once gets complete control of an individual it just about ruins him. The loans should be made for the purpose of helping the borrowers build homes and develop the lands they own and cultivate. I think it should be coupled with a graduated land tax so that the holding of vast tracts of land by individuals would be unprofitable and even impossible.

I firmly believe that if it were possible to bring about a condition where every head of a family owned a comfortable home if he lived in town, or a home with sufficient land in the country, so that by careful and intelligent cultivation it would yield him and his family a comfortable living, the perpetuity and prosperity of our government would be assured. Once anchor a man to the soil and he is very apt to be strongly in favor of orderly government and peaceful and progressive society.

The Farmers Mail and Breeze will be glad to have its attention called to any misleading or untrue statement, if such should appear at any time in any advertisement in its columns. Readers are requested to assist in protecting themselves and legitimate advertisers.

Handy Farm Devices

A Once-a-Month Page of Helpful Ideas

Do not think what you have to offer must be original. Make your instructions plain and send us as good a rough sketch as you can draw. Leave the rest to us. By way of incentive a year's subscription to the Topeka Daily Capital is to be the reward for the best device sent in before June 30, 1913. For second and third best, respectively, a year's subscription or extension of subscription to Farmers Mail and Breeze. Send your contributions to Devices Editor Farmers Mail and Breeze, Topeka.

Many Uses For a Claw Bar

[Prize Suggestion.]

Mr. Editor—One of the handiest tools on this farm is a claw bar made out of a small tumbling rod from an old header. The rod is 7/8-inch thick and square at one end. The square end was bent in the form of a "goose neck," just large enough to hook over a 2 by 4. This makes it handy to use as a lever in laying flooring, patent siding, etc. The other end is flattened out for a pinch bar. For a wire stretcher this tool is hard to beat and it will pull spikes and bolts where all claw hammers fail.

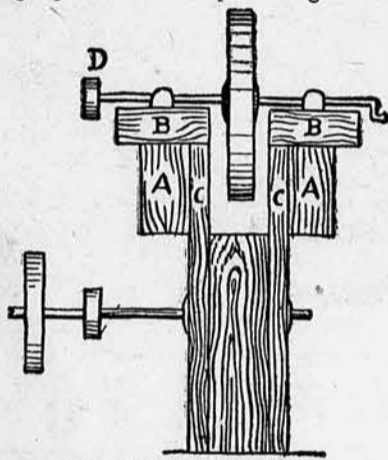
J. A. Crandall.

Norwich, Kan.

Mount the Grindstone on a Post

[Prize Suggestion.]

Mr. Editor—I have a power grindstone mounted on a post. The sketch shows the details. The post is a 4 by 4 with a 2 by 4 (CC) nailed to each side of it. AA are two pieces of 2 by 4, 8 inches long, bolted to CC. BB are two pieces of the same size, 6 inches long, spiked to the top. The grindstone



Set Up Ready for the Power.

and fixtures are bolted to BB. A water pan may be placed in the space below the stone. The lower shaft is a piece of gas pipe. The outer drive pulley is 12 inches in diameter. A short belt connects with the small pulley, and D, another small pulley, on the crank side of the stone. This does away with all danger of the sickle catching in the drive belt. A common foot power may be attached.

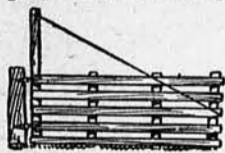
Bert B. Mitchell.

R. 5, McPherson, Kan.

Making a Sag Proof Gate

[Prize Suggestion.]

Mr. Editor—To keep a gate from sagging, I use a crosspiece for the end of the gate about 9 feet long. This is a 2 by 6-inch plank. A double strand of No. 9 wire is then fastened to the middle board, at the outer end, and to the top of the 2 by 6, at the other. The wire is then twisted up tight. By putting the wire on the middle board the strain is divided evenly.



J. R. Ladlie.

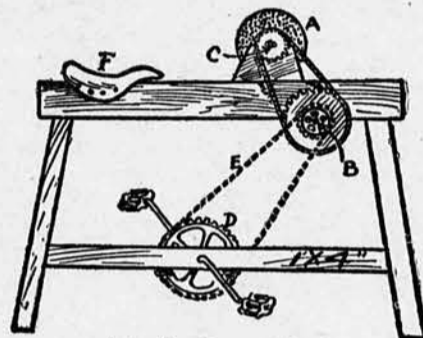
R. 3, Independence, Kan.

Bicycle Gear For Emery Wheel

[Prize Suggestion.]

Mr. Editor—An old bicycle may be used to furnish power for an emery wheel. It can be rigged up on the frame of an old grindstone, or something similar. The large sprocket and pedals are placed between the two 1 by 4's of the grindstone frame, as in the drawing, the hub, on either side, fitting into large holes bored into these crosspieces. The

counter shaft is placed below the top of the frame. The mandrel is raised about 3 inches so the stone will not rub against the counter shaft. If there are no boxings handy, good ones may be



A is the Emery Wheel.

made from maple, or other close grained wood, and babbitted. A is the emery stone, B the counter shaft, C small sprocket on the stone shaft, D large bicycle sprocket, E sprocket chain, and F the bicycle saddle.

Floyd C. Miller.

Inola, Okla.

Siphon to Fill a Second Tank

[Prize Suggestion.]

Mr. Editor—I have a very simple method of connecting two tanks where there is only one inlet. I connected two pieces of pipe about 3 feet long with an "L-knuckle." This is filled with water and then turned over with one end in each tank under the water, to keep the air out. A piece of rubber hose would do just as well. The water is siphoned from one tank to the other.

Joe Liggett.

Almena, Kan.

Self-Filling Hog Waterer

[Awarded Second Prize.]

Mr. Editor—I water my hogs from a trough that is self-filling, the water being taken through a pipe from the bottom of the stock tank. The trough is 6 feet long, 1 foot wide, and 16 inches high. D is the trough proper with two partitions in it, each having two or three holes at the bottom to allow the



water to pass through. The portion B is 2 feet long and has a cover bolted over it, so nothing can interfere with the float A. C is the pivot on which the float works. The trough is made of 2-inch lumber. I have found this contrivance very satisfactory. It saves money, time, and water.

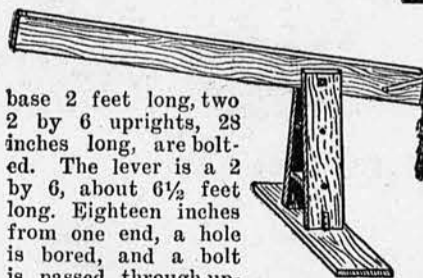
J. T. Ferguson.

Lenora, Kan.

Post Pulling Made Easier

[Prize Suggestion.]

Mr. Editor—The most convenient post puller I ever used is this one. On a



base 2 feet long, two 2 by 6 uprights, 28 inches long, are bolted. The lever is a 2 by 6, about 6 1/2 feet long. Eighteen inches from one end, a hole is bored, and a bolt is passed through uprights and lever. Two strap irons are bolted to the outer end of the lever, as shown, with a hook on one side and a piece of chain on the other. Raise the

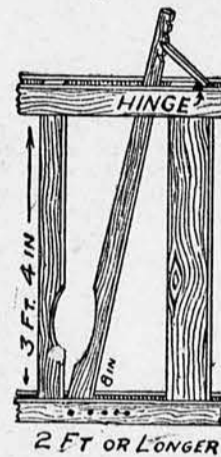
lever, put the chain around the post and hook it, then bear down and up comes your post. Lester Mayfield.

R. 2, Verdon, Neb.

This Will Hold Mr. Hog

[Prize Suggestion.]

Mr. Editor—My hog holder is made on the plan of a dehorning chute and is the best I have yet seen. It will hold a 30-pound pig or a 400-pound hog equally well, at ringing time. The frame is made of 2 by 4's bolted together at top and bottom. The lever may be shifted at the bottom to fit large or small hogs' heads. The opening in the lever and frame, which is closed over the hog's neck, is 8 inches from the base. The handle is notched at its upper end into which a short piece of 2 by 4 catches to hold the lever in place when an animal is caught. This piece is hinged to the frame.



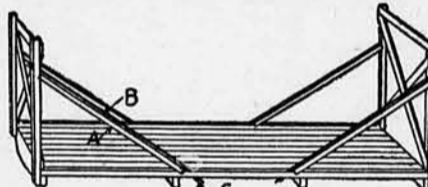
W. C. Buffington.

Gueda Springs, Kan.

Rack For Hay or Bundle Grain

[Prize Suggestion.]

Mr. Editor—I have a rack for hauling grain or hay. The corners won't loosen and come off. Corner braces A are held in place by rods B just above the braces. These are tightened with taps at either end and make the frame as solid as a rock. The top pieces of



Saves the Shattered Grain.

the end frames are 1 by 6's, the cross-pieces 1 by 4's. The end pieces, underneath, are 2 by 6's tapered at each end, and the two timbers on which the rack rests are 2 by 10's. The floor is tight and has a 2 by 4 around the edge. This catches all shattered grain or alfalfa leaves. By removing eight taps the end frames may be taken off and I have a flat rack for hauling baled hay.

E. W. Higgins.

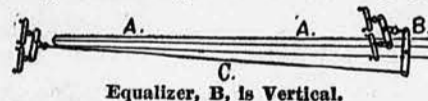
Eddy, Okla.

[We surmise Bro. Higgins built his rack for a low wheeled wagon as he has made no provision for wheel boxes in the floor.—Ed.]

Four Horse Hitch For Binder

[Awarded Third Prize.]

Mr. Editor—I have a good hitch for a binder or other implement where it is not convenient to hitch a team on either side of the tongue. My arrangement equalizes the pull. It is far better than hooking the front team to the end of the tongue, where the driver has no idea how much they are pulling, besides adding to the weight on the necks of the



Equalizer, B, is Vertical.

rear team by the downward pull. AA is the tongue, B a piece of flat iron serving as the equalizer, and C a rope, chain, or rod serving as a hitch for the front team. B stands vertically and is bolted to the side of the tongue. If bolted to the inside of a binder tongue it will obviate side draft.

Bert Smith.

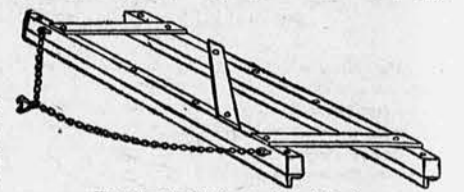
Culver, Kan.

'An Ever Sharp Road Drag

Awarded first prize, a year's subscription to the Topeka Daily Capital.

Mr. Editor—The principle of the split-log road drag is a good one, but through its structural imperfections it fails to apply the principle effectively. It is crude, heavy, and the cutting edges soon wear dull. A good drag may be made from the angle-steel frame of a worn-

out grain drill, binder or other machine. Usually these frames have a number of holes in them and it is not much work to make the pieces into blades for the



Ready to Put on the Road.

drag. The blades are bolted to 4 by 4s in the manner shown in the drawing. When made about 7 feet long a team of horses will pull it handily, the driver riding.

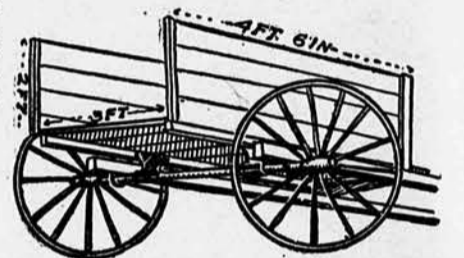
Clyde W. Miller.

Mahaska, Kan.

Manure Cart From Old Drill

[Prize Letter.]

Mr. Editor—We have a homemade manure cart we find very handy in keeping the manure from piling up around the barn. It is made of parts of an old grain drill. The floor frame is made of the drill frame, boxings and



Like a "Back East" Dump Cart.

all. The box tilts on the axle thereby dumping the manure after which it may be scattered. A pair of shafts completes the cart.

E. C. Prather.

Oakley, Kan.

So Fly Nets Won't Catch Buckles

[Prize Suggestion.]

Mr. Editor—To prevent the line buckle from catching on the fly net, I took a piece of stiff wire, passed it under the line, back of center of buckle, brought up the ends, and crossed them over the tongue of the buckle, then bent the ends under the line. This is a simple and efficient guard.

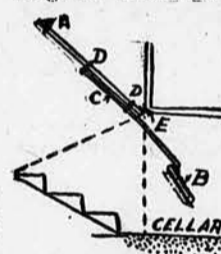
Walter D. Ward.

Neosho Falls, Kan.

New Way to Weight a Cellar Door

[Prize Suggestion.]

Mr. Editor—I have my cellar door weighted inside as shown in the drawing. No pulleys, or rope, for a lifting device, are required. A piece of 1-inch gas pipe is fastened to the lower side of the door with U-bolts at DD, and the weight B is hung at the other end. A is the door and



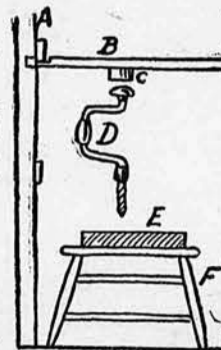
E the hinge.

R. 4, Parsons, Kan.

Homemade Drill Press

[Prize Suggestion.]

Mr. Editor—Here is a "short order" drill press which I find very serviceable. A represents the ladder leading to the hay mow. B is a 2 by 4 notched at the end as shown. C is a half of a tin can nailed to the lever B to hold the brace in place. D is a common bit brace, and E, a block laid across a common chair, F. Drilling holes through iron is easy when you get the necessary pressure on the drill. In case a large hole is to be drilled it is well, first, to drill a small one and then enlarge it with a larger bit. Don't use oil in drilling by hand, as it requires extra pressure.



J. A. Crandall.

Norwich, Kan.

Market Corn on the Hoof

Cattle Now Return the Best Price For It

BY W. A. COCHEL, Kansas Agricultural College.

Editor's Note—Not only do beef cattle furnish the best market for farm grown feeds in the corn belt, but for the last seven years (the good years with the bad) corn fed to cattle has returned a profit of more than 24 cents a bushel over the local market price of the grain. W. A. Cochel, head of Kansas' animal husbandry department, pointed this out last week at a meeting of the cattle feeders of Indiana, and cited them to the work of their own experiment station for proof of it. As the facts he cited apply with as much force to Kansas, the Mail and Breeze here reproduces a part of his address.

LAND values have no influence on profits derived from fattening cattle for market. Just so long as the land is not too valuable to grow corn, clover and alfalfa, the fattening industry can be followed. There is little difference between the feeding value of a



W. A. Cochel.

bushel of corn grown on land worth \$200 per acre, compared with that from land worth \$40 per acre. The same is true of a ton of hay. The productive capacity of the soil and its adaptability for growing feeds for livestock determine whether or not the land can be profitable employed for that purpose. Fattening cattle is simply a means of marketing the crop which has been produced. The feeder must determine whether this route is more profitable than the elevator.

During the last seven years the Animal Husbandry department of Purdue university has fed 500 steers, and 24,022 bushels of corn. The average profit per steer has been \$11.92 per head over and above the cost of feeds. This included not only the good years but the poor ones, such as 1905-1906 and 1910-1911. This profit if credited to the corn fed would amount to 24.8 cents a bushel over its local market value. In making up this summary the cattle fed at a loss as well as the good lots are considered, hence the man who practiced the methods which have been most profitable would have made a much better showing than this average. This profit of 24.8 cents a bushel

"LIKE MAGIC"

New Food Makes Wonderful Changes.

When a man has suffered from dyspepsia so many years that he can't remember when he had a natural appetite, and then hits on a way out of trouble he may be excused for saying "it acts like magic."

When it is a simple, wholesome food instead of any one of a large number of so called remedies in the form of drugs, he is more than ever likely to feel as though a sort of miracle has been performed.

A Chicago man, in the delight of restored digestion, puts it in this way:

"Like magic, fittingly describes the manner in which Grape-Nuts relieved me of poor digestion, coated tongue and loss of appetite, of many years standing.

"I tried about every medicine that was recommended to me, without relief. Then I tried Grape-Nuts on the suggestion of a friend. By the time I had finished the fourth package, my stomach was all right, and for the past two months, I have been eating with a relish, anything set before me. That is something I had been unable to do previously for years.

"I am stronger than ever and I consider the effects of Grape-Nuts on a weak stomach as something really wonderful. It builds up the entire body as well as the brain and nerves." Name given by the Postum Co., Battle Creek, Mich.

"There's a reason," and it is explained in the little book, "The Road to Wellville," in pkgs.

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human interest.

from feeding corn to cattle has been greater than the average profit secured by the corn grower during these same years. In other words, cattle have furnished a market for corn at an advance of 50 per cent over that paid by the elevators at the time it was fed, which largely accounts for the greater prosperity of the men who have made cattle feeding a business, over those who have followed grain farming exclusively. This, however, is probably not any greater than the profit which comes from the production of larger crops from year to year on the farms that are devoted to livestock. The farmer who feeds cattle has three sources of profit; one from growing the crop, one from feeding it and a third from increasing the fertility of the soil, thus adding to its productive capacity in future years.

On the richest and most productive farms of the corn belt, when every acre is capable of being plowed and producing a crop of grain, buying cattle and finishing them for market will continue to be the rule, or will in the future, be supplanted by dairying. On those corn belt farms where portions are too rough or broken to produce grain crops profitably, and should be kept in permanent pastures, beef breeding herds will again be established, as they can compete successfully with any section of the country in the production of grass. Grass is the foundation upon which beef breeding herds must be built.

Only the Right Kind of Cattle Needed.

The one great reason for the failure to seek cattle for the feed lots in the rough and broken pastures adjacent to the corn belt is a failure on the part of the farmers in those sections to breed the right type of cattle. Marked progress has been made in recent years in that direction and greater progress will be made when the advantages in producing stockers and feeders are fully understood, when the small land owner cooperates with his neighbor in the purchase of purebred bulls of the right breeding and type, assembling together carload lots of steers uniform in age, type, breeding and quality so that they may appeal to the feeder.

Also there will be many farms on which a combination of the methods of fattening cattle and producing feeders will be followed. This combination will result in the production of prime yearlings weighing 900 to 1,000 pounds at 12 to 14 months of age.

The Part the Silo Will Play.

Whatever the method followed, judicious use of silage will increase the carrying capacity of the land, decrease the cost of grains and usually increase the selling value of the cattle. It is the best supplement to pasture we have, reduces the cost of maintenance in winter and keeps the cattle in thrifty condition throughout the year. There are two factors to remember in its use, first that it is a roughage and second that it is deficient in protein.

Results secured at the Pennsylvania station indicate that a cow may be maintained largely on corn silage during the winter and grazed during the summer at a cost of less than \$20 per year. At the Kansas station similar results have been secured. Until the present deficiency of feeding cattle can be overcome it is probable that even in the richest lands of the corn belt a beef cow could be maintained for the calf she produces.

At present beef cattle furnish the best market for the farm grown feeds. This condition is one that will continue for several years, when other methods will have to be devised to meet the changing conditions of the future as has been done in the past. However, it is gratifying to note that in all countries, and through all times, a consistent production of beef cattle has made their owners prosperous, their farms more fertile and has resulted in the best citizenship.

"Corn Articles Were Fine."

Mr. Editor—I enjoy reading the Mail and Breeze and could hardly do without it. You have had some very good articles lately on corn breeding and growing. They were fine.

Elgin, Okla. J. M. Sanderfer.



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The K-r-i-t-Farmer goes everywhere and always gets back

That is the reason that he is a K-r-i-t-Farmer. That is the reason that 4000 farmers are driving K-r-i-t cars.

The K-r-i-t is designed and built to meet the conditions, solve the problems and stand the severe test of the car that means real economy, real convenience, real service to the farmer.

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Then we will send the K-r-i-t out to your farm. Write today.

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All Models \$900, Fully Equipped



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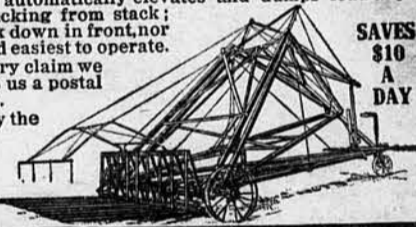
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The SUNFLOWER loads from the windrow and automatically elevates and dumps load anywhere on a 20-foot high stack. Lowers without backing from stack; works from either side or end of stack. Will not break down in front, nor tip up behind. Simplest in construction, strongest and easiest to operate.

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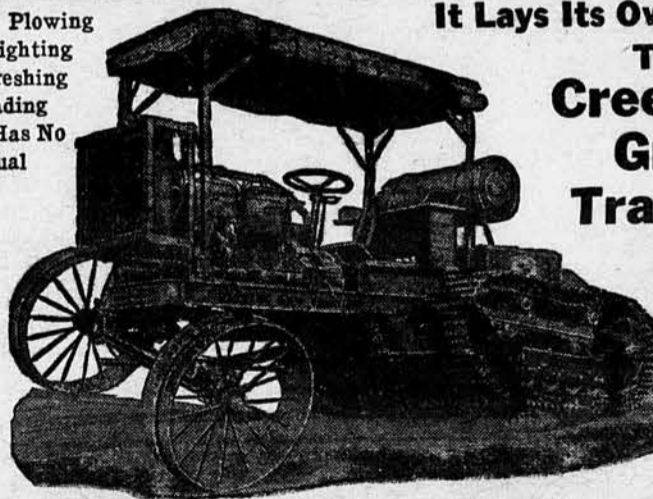
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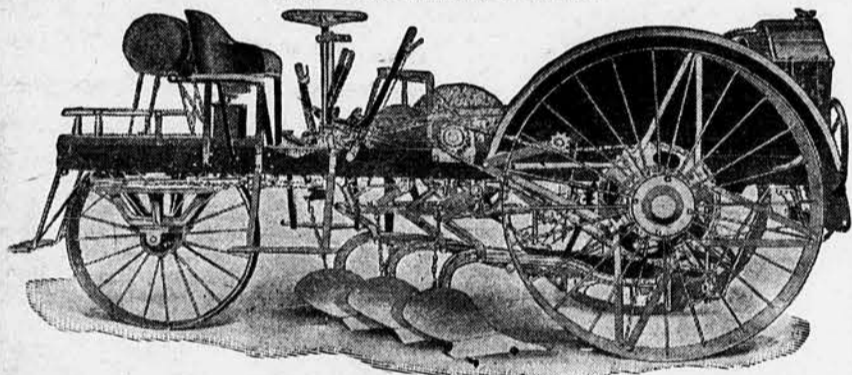
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Stannard's Processed Crude Oil Kills Lice and Cures Mange.

One application of my Processed Crude Oil will do more to rid your stock of lice and cure them of mange than three applications of any other preparation on the market, for the reason that it kills the nits as well as the lice, and remains on your stock for so long that it thoroughly cures them of mange. Put up only in 52 gallon barrels, and sold for \$5.00 per barrel. Why pay \$1.00 per gallon for a dip when you can get the best for less than 10c per gallon? My PURE CRUDE OIL is an excellent lubricant for all kinds of farm machinery and for painting farm tools to keep rust off. \$4.00 per barrel of fifty-two gallons. See my advertisement of refined oils at wholesale prices in next week's issue. Send cash with order. Address **C. A. Stannard, Box M, Emporia, Kan**

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JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

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

With plenty of moisture in the ground, a good stand and the soil in fine condition we have the promise of a good corn crop down here in Coffey county. There are few weeds but the last rains have started a small growth of grass.

More corn was top planted this year than for some time. A large part of it is on fall or winter plowing. Both fall and winter were favorable for such work and more was done than usual. The corn on this fall plowing looks extra good.

Last year was a good one for prairie grass and the favorable conditions have continued so far this spring. On this account the grass is good, being thick on the ground and of good height, considering the lateness of the growth. A few more good rains will make us sure of the prairie hay crop.

An extra train load of fat cattle left this neighborhood this week. Much of the stock was fat steers weighing around 1,300 and they had been fed on silage, cottonseed meal and some corn. The price received for this class of cattle in Kansas City that week was right around \$8 per hundred and some of the best went a little above that figure.

While this is a big reduction in price, compared with a month ago, it still is high and at the price of feed leaves the feeder a fair margin unless he bought his feeders too high. When many of these cattle were bought last fall the price was much lower and this leaves a good profit, but should feeders be bought at present prices it would be close shaving whether or not profit would be made.

We cannot remember a time when all classes of cattle sold so close together as they do now. Good feeders bring almost as much in Kansas City as full fed stock while the bony old canner cows do not fall more than \$1.50 per hundred behind good killing cows. While corn fed cattle are off more than \$1 per hundred compared with six weeks ago the drop has not fallen so hard on the thinner classes of cattle.

An acquaintance of the writer, who lives in Nebraska, has been in the cattle business on a large scale for the last 35 years. He has a ranch of several hundred acres and has made it a practice of late years to buy southern cattle with which to stock up. Just now he is entirely out of cattle and if he gets anything to put on his grass he will have to pay a big price. Should he let the grass stand it will make fine hay but in his locality hay is cheaper than it is here and the outlook is that hay in his locality will not much more than pay for itself this fall.

It is the most difficult proposition our friend has been up against for many years. Should he buy at the present high prices there is a chance that cattle will decline far enough to leave him nothing for his summer's care. Should he use the grass for hay the chances are he will not get much more than enough out of the hay to pay expenses. It is a peculiar situation when the owner of 2,000 acres of fine grass land cannot figure out a certain profit and still retain control of the land.

This man says that in the 35 years he has been in the cattle business he has never seen all classes of cattle sell so high as they do now and he adds that if he should stay in the business for another 35 years he does not expect to see them so high again. With all due respect for his long experience in the cattle business we think he is mistaken. We think he never will again see very cheap cattle and that the years when fat cattle sell as high as they do now will at least be as plentiful as the years when they sell for less. If cattle could raise themselves the supply would

increase but cattle raising is hard work and a large per cent of us are not looking for work of that kind.

Everything is planted on this farm except the cowpeas. We expect to grow about 15 acres of them this year but will not plant the peas until about the middle of June. The corn is up and is a fine stand. The Kafir we planted this week, May 14-15, the best time of all the season for planting Kafir in this latitude, we think. Years ago we fixed on the middle of May as the best time to plant Kafir but have not always been able to get the work done at that time. Some years it has been earlier but oftener at a later date. Could we have our choice of all the season, we should select May 15 as the right time. That is, when the crop is grown for the grain.

We did not have to plow up our spring sowing of timothy and clover, after all. It showed up poorly until the rains of about May 1, when, all at once the timothy came up and enough more clover with it to make a good stand. Of course we shall leave it although it is later than we like to have it. We sowed it April 5 and the bulk of it did not come up until May 5, making it a full month later than it should be. But clover seed is so high that even if it is late we cannot bring ourselves to plow up so good a stand, and will trust to the weather to bring it through the summer. It has no other crop sown with it, which is in its favor during the hot days of summer.

We shall sow no Kafir this year. We sowed 3 acres last year and while it made a lot of good feed we figured that it was far cheaper and better to plant the Kafir in rows and cultivate it in the usual way than to sow broadcast. There is just as much fodder raised and you get a good grain crop in addition for the work of cultivating. The seed required to plant in rows amounts to nothing, but sown broadcast it takes at least a bushel an acre. This is not much at the present price of Kafir but it equals in cost one cultivation, at least.

The Kafir seed raised at the college at Manhattan has a great reputation down here. There are a number of farmers in this locality who have sent there for a change of seed and the increase in the resulting crop has in each case been surprising. The seed grown here gets mixed and perhaps run out to a certain extent, yields fall below what they should be. There is no crop that so quickly responds to seed selection as Kafir and there is no grain crop which so quickly runs out if given the chance. Cross fertilization with cane, broomcorn and related families soon proves serious with pure Kafir.

It is probable every farmer by close selection could keep his Kafir seed at as high a standard as the college seed. But none do it, or so few, practically, to be called none. We plead guilty to selecting the seed from the best heads in the shock and that is as far as we go. We hand thresh it and keep it by itself in a dry place and that is more than many do. In fact, we know of a number this spring who planted Kafir seed taken from the bin. To do this is to invite failure for Kafir kept together in large quantities is almost certain to heat. We know of several failures to secure a stand of Kafir this spring and in the face of weather more favorable for growth than for a number of years. Taking the seed from the bin was the cause.

A Necessary Help in Farming.

Mr. Editor—We came to Kansas late last fall and are here to stay. We surely have found the Mail and Breeze a great help to us and would not be without it.

A. Fuller.
R. 2, Osawatimie, Kan., Apr 2, 1913.



Leidigh's Answers TO FARM QUESTIONS

Conducted for Farmers Mail and Breeze by A. H. Leidigh, Department of Farm Crops, Kansas Agricultural College.

Spontaneous Combustion of New Hay.
Will clover or alfalfa hay, or any other forage, develop spontaneous combustion? If so what can I do to prevent spontaneous combustion in hay? Is the salting of clover hay commendable? If so what is the proper amount of salt?—P. C. G., Atchison county, Kansas.

Spontaneous combustion is comparatively rare in hay. While the cause is not known definitely enough to make us sure we could make hay burn up every time, careful curing is the best preventive.

Some kinds of spontaneous combustion are easily produced with chemicals. If hay is heating and this has progressed far enough, it is believed the sudden admission of more air will cause it actually to take fire.

It is not known that salt or similar substances will prevent spontaneous combustion. I should not advise the use of salt, but more careful curing of the hay.

With rank alfalfa or clover hay, it is frequently necessary to rake the hay before the leaves are so dry that they will not continue to lose water after they are placed in a small loose windrow. If you rake the hay at the right time, the leaves will continue to draw sap from the stems and not only will the stems dry, but you will retain the leaves which are the richest part of the hay.

A. H. Leidigh.

Curing Alfalfa to Prevent Heating.

How may I prevent the heating and burning of alfalfa hay in the stack by proper curing? Sometimes weather conditions make it almost impossible to put hay in the stack in good condition.—W. O. M., Shawnee county, Kansas.

Usually the mischief is done by water in the stem of the plant. A comparison will show why this water does not readily cure out of the stems. If a tree is cut down on a cool, cloudy day, the leaves remain green and fresh for some time. They take the water from the trunk and pass it off into the atmosphere. If the weather is reasonably cool for a few days the water will all be taken out of the tree.

Now if the tree is cut down on a hot, sultry day, the leaves will dry up, and fall off. The water is still in the trunk of the tree, and there is no way for it to get out quickly. It is the same with alfalfa. If the sun is so hot that the leaves are quickly shriveled, the stem will dry out very slowly. Several alfalfa stacks near Manhattan have burned down, and in every case improper curing of the hay before stacking, seemed to be the cause.

When it is impossible to wring water out of the hay, it is dry enough to stack. The best way to cure hay is to rake it into small windrows, and let it dry out slowly. If the ground is damp, or if the air is very moist, the windrows must be turned frequently to expose all the hay to the sun.

Hay often heats in the stack because it is rained on, or because it absorbs moisture from the ground. Not less than \$5 to \$10 worth of hay is spoiled on the top and bottom of a 25-foot stack of alfalfa, put up in the usual way. This loss may be avoided by stacking on a foundation of poles, or under sheds. The money saved on a few stacks will pay for the shed.

A. H. Leidigh.

Danger in Sowing Cane After Wheat.

After I cut my wheat could I disk my stubble ground and plant cane seed or drill it in? Would I get enough of a growth to make lots of fodder?—Nebraska Subscriber, Superior, Neb.

Winter wheat is somewhat earlier than usual this year. Throughout the central and eastern part of the state, particularly, the wheat is full of chinch bugs.

If you cut your wheat, and immediately plant sorghum seed, the chances are there will be enough young bugs in the stubble to destroy the sorghum as fast as it comes up. If it were not for this, I believe you could raise a fair crop of an early sorghum, if planted right after harvest.

It would be possible to kill all of the bugs that are in the field and still get

sorghum up in time to make a fair growth, if we have a moist, warm summer.

The best method would be to plow shallow, or very thoroughly double-disk the stubble immediately after harvest. If you destroy all green or growing plants, most of your bugs will be dead within two weeks.

A. H. Leidigh.

Heading Grain With a Binder

Mr. Editor—We have a bountiful harvest in prospect and a good many farmers are figuring how to get their wheat and oats cut at least expense. Twine will be 15 to 18 cents by harvest time, but may way of harvesting will not require twine. Any binder that will run the sickle and canvases may easily be made over into a header by simply putting on an elevator attachment. The average farmer can make the elevator chuite himself, if not, a carpenter can do it. This extension need only be about 4 feet long. It takes the grain as it comes out at the top of the double canvases. Dealers can sell you this header attachment but they won't do it, as long as there is a chance to sell you a new binder and twine.

This plan is intended for the small farmer who has from 100 to 200 acres, or less, to harvest. Three horses will run this machine with ease and cut a 7-foot swath.

It is a good plan for two or three neighbors to exchange help. Any man who can stack alfalfa, so it will keep, can stack wheat and oats; but let the grain get ripe first. Four men and a boy can manage the outfit. Let the boy drive the header barges, one man operates the machine, one stacks, and two load and unload the barges. Ordinary hay racks may be made into barges by lowering one side.

When you are through cutting, your grain is off the field, you are ready to plow your ground and put in a feed crop or let it lie to take in the rains. It is a good plan to cut some coarse hay and top out the stacks in those sections where rainfall is rather heavy.

Minco, Okla. L. D. Ward.

Treat and Train Your Own Horses

Prof. Gleason's Big Book, Given Free To Mail and Breeze Readers, Shows How To Prevent and Cure Most All Livestock Diseases and How to Break, Tame and Train Wildest Horses.

This is an announcement that should interest every reader of the Mail and Breeze who owns a horse or livestock of any kind. Professor O. W. Gleason's great veterinary hand-book is admittedly the most authoritative work of the kind ever published. It contains more than 500 profusely illustrated pages dealing with the cause and cure of practically every disease known to horses, cattle, sheep, poultry, swine and dogs, with tried out, proved remedies for each disease.

Realizing the need for knowledge such as this book contains we have purchased a large edition from the publishers and are going to distribute the entire lot on a very liberal and very attractive free gift offer among the readers of this paper.

It is impossible in this limited space to name even a very small part of the hundreds of subjects covered in this great book. Gleason's Veterinary Hand Book is based largely upon the works of Robert McCuire, M. D., V. S., one of the most uniformly successful veterinarians this country has ever produced. The methods of treating diseases of horses is known throughout the entire world based upon the result of actual practice not mere theory as is the case with most veterinary books.

Among the many important chapters are Causes of Diseases, How to Observe Diseases, Treatment of Diseases, Cerebro Spinal Meningitis, Distemper, Dysentery, Eye Diseases, Fistula, Glanders, Internal Diseases, Kidney Diseases, Poisons, Stomach Diseases, Bowel Diseases, Worms, etc., etc.

These are but a few of the hundreds of important subjects covered in Part One of this great book. Special chapters are devoted to the cause and cure of practically every disease known to all livestock.

Part Two contains Prof. Gleason's Famous System of Horse Breaking, Taming and Training. Gleason's marvelous skill in training and treading horses and other domestic animals are world and he is considered the world's greatest authority in this field.

By a special arrangement direct with the publishers we are able for a limited time to offer "Gleason's Horse Book" absolutely free—postage prepaid—to all who send \$1.00 to pay for a one-year new, renewal or extension subscription to our big farm weekly. Send your name and \$1.00 at once. MAIL AND BREEZE, Dept. H. B-200, Topeka, Kan.

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Feeds & Feeding

QUESTIONS ANSWERED by Prof. G. C. Wheeler (Address queries to Farmers Mail and Breeze)

All matter contributed to this Column by Prof. Wheeler, Expert in Animal Husbandry, Extension Service, of Kansas Agricultural College, Bears His Signature.

Siloed Grain As Good As Any?

In putting corn in a silo, does the grain retain full feeding value?—R. L. T., Smith county, Kan.

Experimental work in the feeding of corn silage at our various experiment stations seems to indicate the grain of corn is worth as much in the silage as if it were husked out and fed separately. G. C. Wheeler.

Will Pigs Do As Well on Cut Alfalfa?

Do you think 100 pigs put in a fenced lot with shade, at weaning time, and fed cut green alfalfa and corn, would do as well as if on alfalfa pasture with the same allowance of corn? Is it practicable to raise hogs on the White Blossom variety of white clover?—C. M., Jackson county, Missouri.

Pigs fed cut green alfalfa and corn under proper conditions, as to yards and quarters, should do, almost if not quite as well as those having free use of alfalfa pasture. The white clover is not as good a pasture crop as alfalfa but will give good results. G. C. Wheeler.

Merit of the Cement Stave Silo.

What do you think of the cement stave silo? I am thinking of building one of that kind.—T. H., Helena, Okla.

The ordinary concrete silo is looked upon with great favor by the Kansas Agricultural college and Experiment station. As yet the cement stave silo has not been tested at the station. Personally I do not favor the cement stave silo, in comparison with one built of solid concrete, either the monolithic or the plastered type. The reinforcing is not thoroughly distributed through the material, and, it seems to me, there is greater opportunity for cracks to develop than in a carefully built solid cement silo. I have inspected a few which have given perfect results, and have also seen a few which developed cracks between the outside hooping, due to the pressure of the silage being too great upon the unreinforced part of the slab. In my opinion the success of a cement stave silo depends, to a large extent, on the skill of the man making it, and the care with which it is constructed. G. C. Wheeler.

Feeding Pigs on Cottonseed Meal.

Will you please give me your experience in feeding hogs on cottonseed meal. I am feeding 40 weaning pigs a ration of about 3 or 4 pounds of cottonseed mixed with shorts and milk and never saw pigs do better. I have heard that cottonseed will kill hogs if fed to them for about 60 days.—J. W., Lyon county, Kansas.

A great many efforts have been made, especially by our southern experiment stations, to utilize cottonseed meal as a feed for pigs. It is very high in digestible protein, and, if it were not that it seems to produce some diseased condition, would be a valuable feed for balancing the carbonaceous corn ration. Nearly all the experimental work seems to indicate the presence of some poisonous agent in the cottonseed, which is eventually fatal to the hog. No experiment station has determined, as yet, exactly what this agent is, and no station has solved the problem of safely feeding cottonseed meal to hogs in any considerable quantity. In rather small quantities it has been successfully fed for a reasonable period of time. In feeding 3 or 4 pounds daily to 40 head of hogs, less than one-tenth of a pound daily is consumed by each hog. Probably this amount will give no bad results. G. C. Wheeler.

Sheep Do Well on Unground Kafir.

Can sheep and lambs be pastured safely in cornstalks after corn is picked? Will sheep get full benefit of feeding value from Kafir corn without grinding it? About how much corn or Kafir will sheep or lambs consume in 60 days' feeding?—R. L. T., Smith county, Kansas.

Sheep and lambs are less likely to be affected by cornstalk disease than cattle.

Probably no domestic animal more thoroughly chews and grinds its food

than sheep. At the Kansas Experiment station some years ago, Kafir corn was fed to lambs, unground, in comparison with corn. In the first test the lambs received Kafir made slightly better gains and required less grain than the lot fed shelled corn. In this test, the sheep fed on Kafir corn, gained at the rate of .38 of a pound daily for a period of 108 days. In the shelled corn lot the gains were at the rate of .36 of a pound daily. The Kafir lot consumed 340.8 pounds of grain for each 100 pounds of increase, while the corn lot required 358.3 pounds of grain.

In a second test the lambs were fed 67 days, and the lot receiving Kafir corn gained at the rate of .328 of a pound daily and the corn lot at the rate of .335 pounds. The Kafir lot required 419.3 pounds of grain each 100 pounds of increase, and the corn lot 404 pounds. Alfalfa hay was the roughage in all these tests.

The lambs fed in the first test were from Montana and weighed about 60 pounds a head at the beginning. Those used in the second test were what is known as Mexican lambs and weighed about the same at the beginning of that experiment. The lambs consumed about 9 pounds of grain a head during the 67 days of the test. G. C. Wheeler.

Mules Poisoned By Silage

The belief is not uncommon that feeding silage to horses is risky. A horse is so sensitive to mold poisons that results might be serious if a little ensilage, left in the feed boxes, should spoil, or if the silage fed were not well cured. In the March 8 issue of the Mail and Breeze, James Carman, Phillips county's horseman, reported feeding silage through the winter, to his weaning colts, and brood mares heavy in foal, with the best of results. "I never had horses in better condition this time of year or any other," was his comment.

Since his letter appeared, Mr. Carman has sent the Mail and Breeze a contrary report he has received from William Cross, an Edwards county reader of this paper. Mr. Cross writes:

I saw your report in the Mail and Breeze on feeding silage to horses. We are using our first silo. It is 16 by 32 and filled with green corn fodder. The corn would have made about 20 bushels to the acre. We cleaned the rotted part off the top of the silage about January 10. As we could not feed it fast enough to the cows to keep it from spoiling, we made a feed bunk and began feeding it to the horses and mules. Mares with foal eat it readily. In about five weeks we found a mule down in the back. The mule laid there for two days and one night, and we killed it. Three or four days later we found a large mare down and one of our best brood mares, heavy with foal. She died 24 hours later. We cut her open and found fat in her blood. All of the animals seemed to be stupid. In about a week longer another mule came down and lived 11 days but could not lift his head from the ground. We quit feeding silage and began to doctor the others. They began to improve right away.

I thought I would tell you about it. Our horses did well on it and were fat. We thought it was a fine feed until they began to die. Has your silage juice in it, and when you step in it does the juice show?

WILLIAM CROSS, Lewis, Kan.

"It may be time will demonstrate the hazards are too great to make silage a profitable feed for horses and mules," writes Mr. Carman, in commenting on this letter. "Our fodder was quite well matured and does not show any moisture on shoes when stepping on it. We have had three mares foal successfully, but lost one colt later. I shall be glad to have others who have fed silage to horses write their experience."

Test For Glanders Ordered

After June 1 every horse coming into Kansas must pass the mallein test for glanders, before being admitted to the state. This ruling is made by S. S. Graybill, state livestock sanitary commissioner. The order establishing this quarantine is a part of the effort being made by the state authorities to stamp out the disease in this state. In Montgomery county a dozen horses with the disease have been killed within a week. In Rooks county eight were killed.

I like the Mail and Breeze very much. —Charles Bell, Ottawa, Kan.

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Dairy Farming

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This department aims to be a free-for-all experience exchange for our folks who keep milk cows. We are glad to hear from you often. A Mail and Breeze subscription and other prizes awarded each week for helpful or interesting letters or bits of dairy news.

Unwelcome news—it's fly time again.

What is your most dependable remedy for bloot?

A screen door for the milk house is now in order.

Sometimes a change in milkers will cure a kicker.

A gasoline engine on the average dairy farm soon pays its way.

Filth can't all be strained out of milk. The remedy is not to let it get in.

The main factors in making good butter are clean cream and proper ripening.

A swivel in the tethering rope will keep the rope from getting twisted and kinky.

Pails from which the calves are fed need frequent scalding at this time of year.

Usually a cow does not come to her best flow of milk until the third or fourth week after freshening.

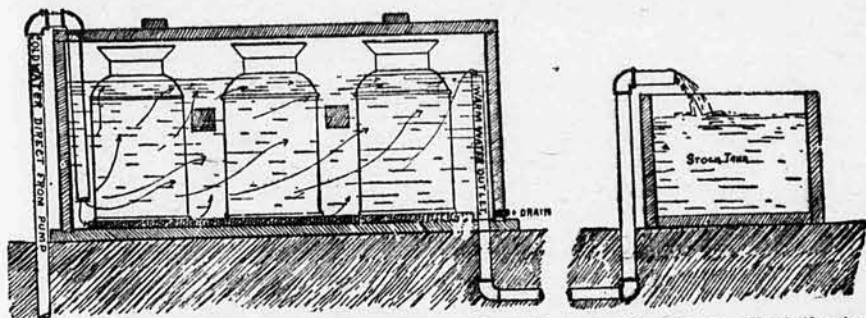
It is hard to excel sowed corn as a crop to help out short cow pasture in summer.—J. D. S., Tonganoxie, Kan.

In feeding an orphan colt the first milk drawn from the cow is better as it is not so rich and therefore more like the mare's milk.

When I wish to raise two calves on one cow I put a sack over the cow's head a few times. Soon she will not know the difference between them and then owns both.—P. J., Smith Center, Kan.

Profit Test for Western Dairying.

The state of Kansas is establishing a model dairy farm on the Experiment station lands near Hays in Ellis county, to determine just how profitable dairying can be made in that part of the state. This farm is to be charged with all expenses and credited with all sales.



The water should enter the milk tank near the bottom and be drawn off at the top. This drains off the warmer water first.

This will make the results of practical value. There are two silos on the farm and a dairy barn will be finished by July 1. Other equipment will be supplied later. The farm is to be under the direction of Prof. O. E. Reed, head of the dairy department at Kansas Agricultural college.

Why Not Stand Good Dairy Sires?

Mr. Editor—I believe the time is here when a man who will invest \$500 to \$1,000 in a bull of real, dairy breeding power, can stand him for public service and realize more on his investment than the average stallion owner. This, of course, would apply only to neighborhoods or localities where dairying is well established and where cow owners realize the true value of dairy quality in cows. I know many a well-meaning man would snort at the idea of paying \$5 to \$10 for the service of a dairy sire, but you can't tell me it wouldn't pay, in the case of cows that are at all worth their keep. If the bull is of the right sort, the first

generation of heifers would be worth from 25 to 50 per cent more than their mothers. One good bull in a few years could add thousands of dollars to the value of dairy stock in a single neighborhood and at the same time would be making good money for his owner. Oakland, Kan. John Collyer.

Summer Shade for the Cows. [Prize Letter.]

Mr. Editor—During the hot summer season cows should have protection from the sun. If there is no shade available a good shelter may be made by setting some posts on the highest point in the pasture, covering them with a straw roof, and weighting it down to keep the straw from blowing away. The roof should be high enough so the cows cannot reach the straw. Such a shelter will furnish shade, a cool place for the cows to go at midday, and they will do better for it. H. E. Hagberg. R. 1, Gothenburg, Neb.

For Calf Scours—Just Sand. [Prize Letter.]

Mr. Editor—I am a farmer-dairyman and take much pleasure in reading the many suggestions found in the Mail and Breeze. My cure for scours in calves is just sand. I take a handful of sand that has been washed clean and put it into 1 pint of water of about the same temperature as warm milk. I take the calf's head between my legs and drench him. This simple treatment will effect a cure 99 times out of 100. I have been in the dairy business 15 years and know this remedy to be safe and sound as well as cheap. Goodwell, Okla. C. M. Read.

Good Cream in Hot Weather

BY J. H. FRANSEN, Dairyman, Nebraska Agricultural College.

Mr. Editor—We have a very satisfactory cooling tank here, that in a modified form is used by many practical dairymen. This form of tank should be not less than 18 inches wide and 26 inches deep. The length will depend on the number of cans to be taken care of. The tank shown in the drawing measures 18 by 26 inches and is 4 feet 9 inches long. It is made of 1 1/2 inch material and fitted inside with a slatted bottom made of 1 inch strips. This slatted bottom allows the cold water to pass under as well as around the sides of the cans.

The cold water supply pipe is connected directly with the pump and discharges within about 5 inches of the bottom of the tank. At the opposite end is an overflow pipe to carry off the surplus water. This overflow is piped to the stock tank. The cool water from the well enters by the inlet pipe and being

well enters by the inlet pipe and being

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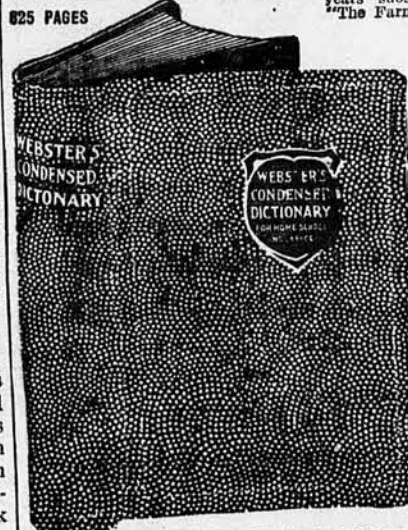
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It takes 30 days to hatch a setting of goose eggs.

To get the maximum profit keep chicks growing right into market.

A good spray pump is an effective weapon in fighting lice and mites.

Old turkey hens and young toms make the best breeding combination.

Shades for the young broods is necessary through the warm part of the day at this season.

The ground under brood coops soon becomes foul in warm weather. Move the coops about.

Spraying with whitewash once a month will go a long way toward keeping down vermin in the poultry house.

Ground oats, middlings, and corn meal, mixed with skim milk make a good fattening ration for young stock.

The sooner the chicks' night quarters are made rat-proof the better. There is nothing to gain by running risks with rats.

It does not take a hot sun long to cook eggs. In case of a long trip to town it will pay to throw a blanket over the crate.

These are the days when flesh and carrion soon become maggoty. It is always safest to bury it and run no chances with limberneck in the flock.

Improving the Dust Bath.
Mr. Editor—Fill a shallow box 2 feet long and 18 inches wide half full of a mixture of sand, road dust, ashes, and about 5 cents' worth each of sulphur and lime for a dust bath. As it is used up, replenish, and there will be no trouble with lice and mites.
Kellerton, Ia. Mrs. Artie Allen.

Dipping Chickens a Lice Cure.
[Prize Letter.]
Mr. Editor—I use a cattle dip called zenoleum to get rid of lice on chickens. I mix it at rate of 1 tablespoonful to a gallon of lukewarm water and put this solution in a wash boiler, filling it about two-thirds full. I hold the chicken by the wings and douse it entirely under. In about 10 days I dip the chicken again. I do the dipping on warm days so there will be no danger of the chicken's taking cold.
Nellie Keypley.
New Ulysses, Kan.

Parched Corn For Bowel Ills.
[Prize Letter.]
Mr. Editor—I have never lost an incubator chick with bowel trouble. I had my first experience with bowel trouble in chicks the first year I had my incubator. A flock of 120 showed the symptoms one morning and I thought they were all doomed. Having heard of parched corn being recommended for diarrhoea I fed nothing for several days but browned cracked grain, and I did not lose a single chick. I do not feed chicks until they are 50 to 60 hours old and then sparingly the first few days—about one handful of cracked grains four times daily to about 60 chicks. I do not allow too much water the first few days as I believe they often drink too much and in cool weather this chills them. I watch them closely, feed regularly, keep them warm, and in a short time they are ready for all the feed I can give them. They get plenty of grit, green onions, charcoal, and fresh water.
Mrs. H. A. Warner.
Grenola, Kan.

Lightest Weight SUCCESSFUL BINDER ENGINE ON EARTH

Harvest YOUR grain with our WINNER-WONDER 4-horse-power engine. Cuts, elevates, binds grain. Only two horses needed. Removed—used for general work. Cushman Mfg. Co., 801 N. Third, St. Joseph, Mo.

ADMIRAL POWER HAY PRESS
BALES HAY—SAWS WOOD
GRINDS FEED, PUMPS WATER



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ADMIRAL HAY PRESS CO. KANSAS CITY, MO. BOX 37

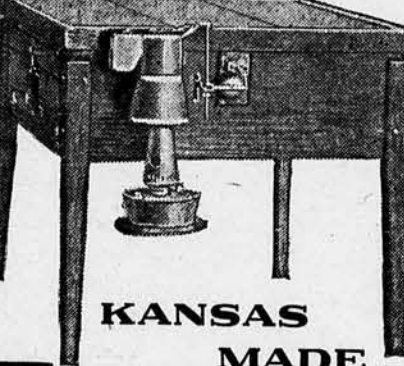
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The Fostoria Incubator
This incubator has been thoroughly tested in the hands of users and has proved its superiority. It is made of the best redwood lumber and is worth the price. It has a double acting regulator that acts quickly, surely and always. Equipped with Tycos thermometer, the best made. It requires less oil. A special feature is the alarm which makes care of the machine easier and is another check on the temperature. No, it isn't fool proof, but if handled according to simple instructions it will hatch the hatchable eggs. Find out all about the incubator made in the good state of Kansas. Two sizes, 150 and 200 eggs. 30 or 60 days' trial. Money back if not satisfied. Send for the free catalog.

FOSTORIA INCUBATOR COMPANY,
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WARTCO Guaranteed to remove warts from man or beast. Absolutely harmless. No scars. No pain. No stain. 50c tube. Sent prepaid. **Westfall Drug Co., Oklahoma City, Okla.**



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The college to send your boy or girl to obtain a commercial education. Write for 1913 college catalog. Tells about the college, prices of tuition and surroundings. Address the manager, E. G. BETZ, Arkansas City, Kansas.

LICE KILLER Liceoil, strongest lice killing compound made. Works like magic. Simply put a few drops in nests and hang bottle in coop. Powerful evaporating vapors go into feathers, cracks and crevices. No painting, spraying or dusting. Easy to use. Circular free. Pound bottle prepaid 50c. Money back if it fails. Agents wanted **W. H. Metzger Co., No. 3, Quincy, Ill.**

BUTLER Grain Bin
Corrugated. Can't Cave In. Rat-Proof. Fire-Proof. Can be used for store house. Capacity increased by additional sections. Keeps grain perfectly. Large door and removable shelving board. Ask for booklet showing lot- ters from satisfied users. **BUTLER MANUFACTURING CO.** 1204 W. Tenth Street, Kansas City, Mo.

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This body of well located land, possessing responsive and productive soil is situated in the best part of WESTERN MICHIGAN. It is offered in blocks of forty acres or more, with a few pieces, closer to towns in tracts of ten and twenty acres. No description is more than five miles from some good town and railroad, and the bulk of it is closer than this.

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Wyandottes Led in April

The pen of 10 White Leghorn hens from England is making a remarkable egg-laying record at the national laying contest in progress at Mountain Grove, Mo. During 166 days, November 15 to May 1, these 10 hens laid 1,117 eggs, an average of about two eggs in three days for every hen in the pen. The best bird in the pen, also the best in the entire contest, laid 141 eggs during this period. A pen of Buff Wyandottes led the race during April, with 240 eggs. Ten Black Minorcas finished second with 233 eggs, and a pen of Anconas was close behind with 231. The record of the 10 best pens, from November 15 to May 1, follows:

Table listing egg-laying records for various breeds: S. C. White Leghorns (1117), Silver Wyandottes (948), Black Langshans (914), Silver Wyandottes (914), Barred Plymouth Rocks (865), Black Langshans (850), White Orpingtons (846), White Wyandottes (842), Buff Orpingtons (836), Buff Wyandottes (832).

Two Days Meeting For Poultry Men.

The Kansas Poultry Federation is to meet at Kansas Agricultural college Wednesday and Thursday, June 25 and 26. The program for the two days includes talks by President H. J. Waters on "Relation of the Breeder to Poultry Production"; Dean Jardine on "The College Poultry Department and the State"; T. E. Quisenberry, director of the Missouri State Poultry Experiment Station, stereopticon lecture on "Lessons Learned in the National Egg-Laying Contest." H. C. Pierce of the United States department of agriculture will speak on "Grading of Eggs and Poultry"; R. V. Hicks, president of the American Poultry association and editor of Poultry Culture of Topeka, on "Judging Different Breeds." R. H. Searle recently elected vice-director of the Missouri State Poultry Experiment Station will speak on "Breeds and Breeding". George Beuoy will give lectures and demonstrations on caponizing. W. A. Lippincott, head of the Kansas station will speak on "Some Needed Legislation in Kansas." Exhibits, demonstrations and addresses are expected to attract many of the leading poultry breeders. Everything will be done to make the meeting of interest to every person in the state concerned in poultry production.

Found At Last

Dear Sir:—Knowing that bowel trouble in little chicks is the worst disease we have to contend with, you may print the following if it will benefit others: "I have been in the poultry business for fifteen years, and have lost thousands of the little downy fellows with this most awful disease. A lady recommended Walker's Walko Remedy, so I sent 50c (M. O.) for a box, to the Walker Remedy Co., L. 6, Lamon, Iowa, and am thankful to have at last found a preventive. It is the first medicine I have found that would prevent, also stop, bowel trouble or white diarrhoea among little chicks."—Miss A. Sargent, Sarcoxie, Mo.—Adv.

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FARMERS MAIL AND BREEZE POULTRY RATE.

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RING NECK PHEASANT eggs for sale. C. W. Newman, Sabetha, Kan.

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HOUDANS, world's greatest winter layers. Eggs \$1.25 per 15. Lee Biglin, Alta Vista, Kan.

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BUFF COCHIN eggs \$2.00 and \$3.00 per 15. Mrs. L. O. Housel, Smith Center, Kan.

FOR SALE—Buff Cochins of quality. Send for mating catalog. J. C. Baughman, Topeka, Kan.

MINORCAS.

SINGLE COMB BLACK MINORCA eggs, 15 \$1.00, 30 \$1.50, Sarah Peters, Nashville, Kan.

S. C. WHITE MINORCA eggs: choice matings—\$1.75, utility \$1.25 per 15. Mrs. J. I. Bower, 488 Wabash Ave., Topeka, Kan.

Reliable Poultry Breeders

WYANDOTTES.

SILVER WYANDOTTE eggs \$1 and \$2 per setting. Cecile McGuire, Pratt, Kan.

GOOD SILVER WYANDOTTES. Eggs \$1 setting, \$5 100. John Fagan, Minneapolis, Kan.

SILVER LACED WYANDOTTE eggs, 100 \$4, setting 75c. Mrs. Emma Downs, Lyndon, Kan.

SILVER LACED WYANDOTTE eggs, \$1.00 15, \$5.00 100. Alvin Tennyson, Miltonvale, Kan.

WHITE WYANDOTTES exclusively. Eggs, 100 \$4.50, 30 \$1.75. Mrs. Will Beightel, Holton, Kan.

GOLDEN WYANDOTTE eggs 15 \$1.00, parcel post; 100 \$3.00. Mrs. John Jevons, Wakefield, Kan.

COLUMBIAN WYANDOTTES. Select matings. Eggs, \$2.00 per 15. B. F. Martin, Dodge City, Kan.

FARM RAISED Silver Wyandottes. Eggs \$1 15, \$5.00 100. Baby chicks \$10 per hundred. Julia Haynes, Baileyville, Kan.

COLUMBIAN WYANDOTTE eggs \$1.60 per 15 delivered. Safe delivery guaranteed by parcel post. Address Walter Hoque, Fairfield, Neb.

WHITE WYANDOTTE chix and eggs. Infertile eggs replaced, also any loss in chix. 13 years' experience. Mrs. M. E. Johnson, Humboldt, Kan., R. No. 2.

SILVER LACED Wyandottes exclusively 16 years a breeder, eggs from choice matings \$2.00 per 15. Utility stock \$1.00 per 15. W. A. Hunter, Manhattan, Kan.

SILVER LACED WYANDOTTES—Eggs, 15 \$1.00, 100 eggs \$5.00. I guarantee 60 per cent hatch or will duplicate order at half price. F. W. Bethke, Lebo, Kan.

SILVER LACED WYANDOTTES—Eggs, 15 \$1.00; 100 eggs \$5.00. I guarantee 60 per cent hatch or will duplicate order at half price. Write for circular or order direct. S. B. Dressler, Lebo, Kan.

BUFF WYANDOTTES. Prices cut for balance of season. Eggs from all our breeding pens at \$1.50 per 15, \$5.00 per 100. Baby chicks \$1.50 per dozen. Send for mating list. Wheeler and Wylie, Manhattan, Kan.

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WHITE INDIAN RUNNER ducks. 13 eggs \$3.00. B. F. Graff, Erie, Kan.

EGGS—White Runners, Fawn and White, Buff Orpington duck and hen eggs. Mrs. T. N. Beckey, Linwood, Kan.

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

FAWN INDIAN RUNNERS \$5.00 trio. Eggs \$4.00 per 100, \$1.00 per 15. G. W. Skinner, Baxter Springs, Kan.

FAWN AND WHITE Indian Runners. Large white eggs, now \$1.00 per 15, \$2.50 per 50, \$4.50 per 100. Xena Riggs, Weatherby, Mo.

FAWN AND WHITE and brown and white prize winners. Indian Runner duck eggs 15 for \$1.00, 100 for \$5.00. E. O. McKinney, Lafontaine, Kan.

INDIAN RUNNER eggs \$1.00 per 13, \$3 per 50, \$6 per 100. American Standard fawn and white. White eggs. Pearl Wertzberger, Alma, Kan.

INDIAN RUNNER ducks. American Standard light Fawn-white. Prize winners white eggs \$1.25 per 15. Mrs. D. A. Pryor, Route 3, Fredonia, Kan.

INDIAN RUNNER ducks, light fawn and white. High scoring, good layers. Absolute white egg strain. Eggs, 13 \$1.50, 26 \$2.50, 50 \$4.00. Olive Baker, Fredonia, Kan.

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FAWN AND WHITE Indian Runners, white eggs. Yard A, exhibition quality, \$2.00 per 15; yard B, \$1.25 per 15, \$3.50 per 50, \$6.00 per 100. Pure White Runners, eggs \$3.00 per 12. Free circular. Stover & Myers, Fredonia, Kan.

ORPINGTONS.

SINGLE COMB BUFF ORP. eggs \$5 per 100. Or incubator lots. Flora Watson, Altona, Kan.

SINGLE COMB Buff Orpington eggs now at reduced prices. \$4.00 per 100. Frank Fisher, Wilson, Kans.

KELLERSTRASS White Orpington eggs, 15 \$1.00. Parcel post. 100 \$4.00. Mrs. John Jevons, Wakefield, Kan.

SINGLE COMB Golden Buff Orpingtons. Cook's strain. 30 eggs \$1.75, 100 \$4.75. White House Poultry Farm, Salina, Kan.

BUFF ORPINGTONS and Rose Comb Brown Leghorns. Stock and eggs. Prices reasonable. Clarence Lehman, Newton, Kan.

BUFF ORPINGTONS. Eggs half price from fancy and utility. Express paid. Cockers for sale. Mating list free. August Petersen, Churdan, Ia.

GERTRUDE GEER'S Gold Nugget strain S. C. Buff Orpingtons. Winners sixty premiums; two silver cups. Farm range; no pens. Eggs \$1.50 per 15. Winfield, Kan.

ANCONAS.

MOTTLED ANCONAS. Eggs reduced to \$1.25 a setting or \$5.00 a hundred. W. Hardman, Frankfort, Kan.

Reliable Poultry Breeders

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SINGLE COMB BROWN LEGHORNS. Eggs 100 \$4. Mrs. Mattie Story, Cleo, Okla.

SPONGE'S S. C. White Leghorns. Eggs \$3.00 per 100. Alex Spong, Chanute, Kan.

EGGS from S. C. Brown Leghorns, \$1.00 for 15, \$4.00 per 100. H. N. Holdeman, Meade, Kan.

ROSE COMB BROWN LEGHORN eggs 5c each. \$4.00 per hundred. Tille Wilkins, Miltonvale, Kan.

ROSE COMB WHITE LEGHORN eggs \$1.00 setting, \$4.00 per 100. Cora Wittenden, Liberal, Kan.

PURE S. C. BROWN LEGHORNS, exclusively. Eggs, 30 \$1.00, 100 \$3.00. S. Oveson, Osage City, Kan.

PURE BROWN ROSE COMB LEGHORN eggs 3 1/2 cents each; 100 \$3.50. Laura A. Hazen, Hollis, Kan.

S. C. BUFF LEGHORNS. Eggs from choice birds, 30 \$2.00, 100 \$4.50. J. A. Reed, Route 2, Lyons, Kan.

S. C. WHITE LEGHORNS. Free range; great layers. Eggs, 100 \$3.00, 13 75c. C. B. Wilson, Burlingame, Kan.

SINGLE COMB WHITE LEGHORNS, the big thrifty kind; 15 eggs 75c, 100 \$4.00. C. W. Connelly, Wellston, Okla.

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BUFF LEGHORNS exclusively eleven years. Chicks, eggs, hens. Prices reduced. Mrs. John Wood, Solomon, Kan.

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S. C. W. LEGHORNS. My specialty 24 years. Snow white, persistent layers, vigorous, beauties and debt payers. Eggs, \$1.50 for 15; \$5 per 100. Geo. S. Phillips, Tecumseh, Neb.

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PURE BRED Single Comb Reds, eggs 15 for \$1.00 or \$5.00 for 100. Emma Wilson, R. F. D. 8, Topeka, Kan.

REDUCTION! Rose Comb Red eggs from entire flock \$4.00 per 100. Chicks 20c. Mrs. Abbie Rleniets, Pratt, Kan.

PRIZE WINNING Single Comb Reds. Eggs reduced to \$2.00 per 15. Mating list free. Chas. Lentz, Atchison, Kan.

SIBLEY'S prize winning strain, dark rich red R. Comb Reds. Eggs 15 \$1.00, 50 \$3.00. Nora Luthye, North Topeka, Kan., Rt. 6.

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BOURBON RED turkey eggs, \$3 for 11; with directions for raising them. Mrs. C. B. Palmer, Uniontown, Kan.

BOURBON RED turkeys. Mostly two-year-old breeders. Standard size and markings. Eggs \$3.00 per 11. Stover & Myers, Fredonia, Kan.

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PRIZE WINNING Black Spanish eggs and baby chicks. Also Black Tail Japanese. Bantams. Stamp for circular. H. W. Chestnut, Kincaid, Kan.

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BARRED ROCK eggs \$3.00 100, May and June. Mrs. Wm. Sluyter, Jewell, Kan.

QUALITY WHITE ROCKS. Eggs for hatching. J. A. Kaufman, Abilene, Kans.

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BARRED ROCKS exclusively. Eggs, 100 \$4.50, 30 \$1.75. Catherine Beightel, Holton, Kan.

WHITE ROCKS. Scored 94 1/2 by Stoner. Eggs 100 \$4.00. Mrs. J. W. Hoornebeck, Winfield, Kan.

WHITE ROCKS. Free range. Eggs, 15 75c; 100 \$3.00. H. F. Richter, Hillsboro, Kan., R. 3.

WHITE ROCK baby chicks, 12 cts. each. Incubators going now. Mrs. Geo. Woodworth, Route 2, Lebanon, Kan.

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GOOD farm raised Black Langshans. Eggs, 15 \$1.50, 100 \$7.50. Mrs. Geo. W. King, Solomon, Kan.

BLACK LANGSHAN eggs reduced to \$1.00 per 15, \$4.00 per 100. Geo. W. Shearer, Elmhurst Farm, Lawrence, Kan.

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BIG BONED greenish glossy Black Langshan, score 92 to 96 hens \$1 each. Cockers \$2.50. Eggs 10 cents each. Guaranteed. H. Osterfoss, Hedrick, Iowa.

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PIGEONS—Harneaux, Carneaux, Italian, hen pigeons. Homers at reduced prices. J. J. Pauls, Hillsboro, Kan.

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BLACK LANGSHAN and Houdan eggs 1/2 price after May 1st. E. D. Hartzell, Rossville, Kan.

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

STOCK, BABY CHICKS, EGGS: Leading varieties, \$1.50 per 15, \$6.00 per 100. Quality high. Circular free. K. I. Miller, Box B, Lancaster, Mo.

ROSE COMB RHODE ISLAND RED eggs. Pen A, \$1.50 per 15; Pen B, \$1.00 per 15. Barred P. Rocks, range stock, 75c per 15; \$4.00 per 100. Light fawn and white Indian Runner ducks \$1.00 per 12. C. J. Woods, Chiles, Miami, Kansas.

COOK'S BARRED ROCKS

I am offering you eggs from the greatest winning and laying strain in the West, at the very low price of \$1.50 per 15, \$3.50 per 50 and \$6.00 per 100. May and June is the month to hatch your layers and winners for next season. Address CHAS. J. COOK, Box B, Marysville, Kans.

White Orpington and Indian Runner Ducks

Eggs \$6 per hundred. Turkey and Geese eggs \$1.75 per setting. We breed all leading varieties of Standard Poultry. Plymouth Rocks are our leaders. Stock of highest quality at lot-live prices. Write for descriptive circular. Address W. F. HOLCOMB, Mgr. Nebraska Poultry Co., Clay Center, Neb.

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A work shoe with style and perfect fit. Made well from especially tanned leather by special process. Will not rot or crack through from barnyard service. Nothing like it on the market. Cost no more than ordinary shoes. Ask your dealer for them. Each pair absolutely guaranteed by manufacturer to stand manure and barnyard acids.

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Free Bottle Barnyard Shoe Oil. If you have never worn Barnyard shoes write us for Free bottle Barnyard non-rotting preparation. Send your dealer's name. Try it on any shoe. It will convince you that Barnyard shoes are what you need. HUISKAMP BROS. CO. 202 Johnson St. Keokuk, Ia.

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Baseball Suit and Outfit



Baseball Suit, Glove, Mitt, Mask, Ball, Cap and Belt for Every Boy Who Will Write Us.

There are eight pieces in this fine outfit. The suit consists of heavily padded pants, latest style shirt, cap and an extra good belt. Every piece is guaranteed full regulation league size.

Boys! If you want this complete BASE-BALL OUTFIT, send us your name and address today on the coupon below and we will tell you how you can get it entirely without cost to you.

FREE COUPON.
G. W. Carter, Sec'y, St. Paul, Minn.: I would like to receive the baseball suit and outfit complete you are giving away.
My Name.....
.....
.....

G. W. CARTER, Sec'y,
92 E. Fourth St. ST. PAUL, MINN.

The WOMEN FOLKS

Conducted by Mabel E. Graves

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

Swat the flies and save the baby.

Half the time the children don't mean to be naughty. They just don't understand.

Mrs. C. C. E. Duncan of Hartford, Kan., while sending in a recipe for dill pickles which is to be published later, suggests that dill seed can be bought from any good seed house, and if sowed now will be ready for use by the time the cucumbers are ready.

Through a printer's error the directions for making rose beads published in last week's paper were rather confusing, but I hope all who were interested were able to figure it out. After the roses have been ground through the food chopper they are spread out in an iron bread pan or an iron kettle to make them turn black.

Kansas is getting into the limelight again. A Kansas girl is to be married next month to a millionaire French wine merchant. Dispatches say her gowns number 100, and that she has 50 of everything else requisite to a bride's outfit. We are used to hearing of New York girls who spend a small fortune on their trousseau, but when a Kansas girl spends \$25,000 on something to be married in we begin to sit up and take notice.

Pineapple Sherbet.

Four cups water, 2 cups sugar, 2 cups grated pineapple, white of 1 egg, juice of 2 lemons. Cook the sugar and water to a sirup, add the lemon juice and pineapple. Cool, strain, and partially freeze. Then add the stiffly beaten egg white and continue freezing until frozen stiff. This makes 1 quart of the sherbet.
R. 2, Atwood, Kan. Esther Ohlson.

Hot Cabbage Slaw.

Cook cabbage tender, then drain off the water and cover with the following dressing: Two tablespoons sugar, 1 cup cream (sweet or sour), 1/2 teaspoon salt, 1/4 teaspoon pepper, 1 teaspoon mustard, 3/4 cup vinegar, 2 eggs. Mix all together and cook over a slow fire, then beat until smooth. Pour over cabbage and serve while hot.
Banner, Kan. Rosa B. Mathews.

Berries Canned in Own Juice.

Select large, firm strawberries, and if necessary wash them but drain thoroughly and put them at once into a preserve kettle. To each pound of fruit add 3/4 pound of sugar and let them stand long enough for the juice to be drawn from them. Pour the juice into the kettle and let it boil, removing the skum which arises. Then put in the berries and let them thoroughly scald, or even boil for 10 minutes, then put in hot jars and seal while boiling hot. Turn the cans bottom side up, and if no juice escapes they will keep well.
Georgia Barrowman.

Better Build a Sleeping Porch.

Primitive man slept in the open and was healthy; civilization brought a pair of itching blankets and a fear of fresh air. At no time does one need such a quantity of pure air as when asleep, and it does not matter how cold it is, so long as the body is snugly protected. A sleeping porch is the only original and genuine "ounce of prevention," and the joke of it is—or perhaps better say, tragedy—that some people have to travel clear out to New Mexico to discover the fact. They learn there that the only treatment offered for consumption is a tiny sleeping tent; and maybe they wonder why they hadn't thought of that "back home."
Better have a sleeping porch. The hot season is coming on and you'll need

it. Perhaps you may prefer to stay inside next winter when the thermometer gets down to ten below; although if you put on plenty of clothes it won't hurt you a particle. But those who have once known the joys of sleeping out of doors, whether they're sick or well, never can be persuaded to stay inside again. It doesn't cost much to have one built over the back porch. A roof above, screens at the sides and canvas curtains to let-down in case of a storm, and there you are snug and happy as "three bugs in a rug."

Soap Made Without Boiling.

[Prize Letter.]
Use any kind of rendered fat—chicken, turkey, mutton, or anything else you have on hand, to the amount of 6 pounds. Pour 1 quart of warm or hot water over 1 can of patent lye and dissolve. When cool stir in the grease which has been warmed enough to run

The school and the home must be brought into closer touch. The school yard should be a public play ground and should be utilized on all occasions by the neighborhood. The school property should be put to its fullest use. School buildings should be made neighborhood centers, both day and night, a place for the parents of children to meet, entertain themselves and discuss all problems.
—ARTHUR CAPPER.

thick, stir until it begins to get ropy then add 2 heaping tablespoonsful of powdered borax and 1 teaspoonful oil of sassafras. Pour into square tin and in about an hour cut into bars. It will be ready to use the next day. This is fine laundry soap, and does not chap the hands like the soap you buy.
Hartford, Kan. Mrs. C. E. D.

Dressmaking Lessons Free

Complete Illustrated Course of Lesons Given to Women Readers of This Paper for a Short Time Only.

We have just published in one large volume one of the most valuable and most comprehensive courses of instruction in home dressmaking ever written. This course of lessons covers practically every phase of the subject of dressmaking. It tells you how to make most every garment, from the simplest house apron to the most elaborate evening gown.
This valuable book, "Every Woman Her Own Dressmaker," will be found of great assistance to beginners as well as experienced dressmakers. You can turn to this book and find a satisfactory answer to practically every dressmaking question which might come up. It illustrates and fully describes 200 very latest styles for ladies and children. It gives valuable instructions on fitting and finishing—instruction needed by every woman. Here are some of the interesting subjects taught in these lessons:
How to sponge and shrink wool goods.
How to shrink wash materials.
How to make a tailored coat at home.
How to make a plain shirt waist by the newest and easiest method.
How to make a boned lining.
How to make stylish suits, skirts, waists, dresses and dressing saques.
How to make wrappers, kimonos and underclothes.
How to make children's coats and school clothes.
How to make baby clothes, long and short.
We are giving these valuable dressmaking books away absolutely free just to introduce our popular publication. Send us your name and address at once, together with 4 cents in stamps to cover mailing expense, and secure one of these valuable books before the offer is withdrawn. Address ARTHUR CAPPER COMPANY, Dept. DM-11, Topeka, Kansas.

Play Ball!

Every One Wants Our New, Big 200 Page Sporting Goods Catalog. Send For FREE Copy. It shows all the newest, most desirable out-of-door-life goods. Highest Quality—Lowest prices in Base Ball Goods, Fishing Tackle, Tennis, Soccer, Bicycles, Tennis, Croquet, Golf, Hammocks, Camp Outfits, Portable Mouses, etc. BASE BALL SUITS TEN GRADES Made to measure, any style, all colors. Program Lettered. We are the largest Exclusive Sporting Goods House in the World—we outfit you absolutely right and give better value for less money. Remember—Catalog 951B Free. **Schmeltzer & Co.** KANSAS CITY, MO.

Feather Bed Bargains

Send us this ad with \$10.00 Money Order and we will ship you one first-class, New 40-pound Feather Bed; one pair 6-pound New Feather Pillows, worth \$2.50; one 6-pound New Feather Bolster, worth \$2.50; and one pair Full Size Blankets, worth \$3.50, all for \$10.00. All New goods and no trash. Biggest bargain ever offered. Satisfaction guaranteed. This offer is good for a short time only. Mail money order now or write for circular and order blanks. Reference, American Exchange National Bank. Address SOUTHERN FEATHER AND PILLOW CO., Dept. 54, Greensboro, N. C.

DAISY FLY KILLER

placed anywhere, attracts and kills all flies. Neat, clean, ornamental, convenient, cheap. Lasts all season. Made of metal, can't spill or tip over; will not soil or injure anything. Guaranteed effective. Sold by dealers, or six sent prepaid for \$1.00. HAROLD SOMERS, 150 DeKalb Ave., Brooklyn, N. Y.

22-Cal. HUNTING RIFLE GIVEN

1913 Take-down Pattern, with all latest improvements, walnut stock and grip. Shoots accurately 22 long or short, handsome, durable. SEND NO MONEY Just send your name and address for my easy plan by which you can secure this fine rifle absolutely free Express Prepaid. Write today. H. A. SLOAN, 52 Epitome Building, SPENCER, INDIANA

FREE

This Famous Sewing Awl

You can sew old or new harness, saddles, canvas, tents, rugs, carpets, quilts, shoes, grain bags and many other things. You can use any kind of thread in the Myers Awl, and it makes a lock stitch same as a sewing machine. It is very simple; a woman can use it as well as a man. It is one of the most practical devices ever invented. They are put up with two needles; one is straight and one curved, with a small screw driver and wrench combined. Also a reel of waxed thread with each awl ready for use. The cut does not show full size. With needle the awl is 6 1/2 in. long. It is the Myers Famous Lock Stitch Sewing Awl. It is the only Sewing Awl made with a groove running the full length of the needle, so as not to cut the thread when sewing, and has what is known as a diamond point. Every teamster and farmer should own a Myers Lock Stitch Sewing Awl, as there is use for one in almost every household. The Myers Awl is nicely finished, the metal parts are nickel plated, the needles and wrench are kept in the hollow handle which has a screw top. Anyone who will send \$1.25 to pay for a one-year's subscription to our big farm paper can select one of Myers' Lock Stitch Sewing Awls, which we will send by mail, postage paid, as a free premium. Use Coupon below.

MAIL AND BREEZE

is the biggest and best farm journal in the West with over 100,000 readers. Established in 1873. Price, 1 yr., \$1.00. The best edited farm journal in America. Pub. Mail and Breeze, Topeka, Kan. Dear Sirs:—Enclosed please find \$1.25. Send me your paper regularly for 1 year, and one of the famous Lock Stitch Sewing Awls free and prepaid. Name..... P. O. County..... State..... R. R. No.

HOME DRESSMAKING

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

A five-gore skirt, which may be made with empire or regulation waist line, is illustrated in No. 6023. Size 24 waist measures 2 1/4 yards around lower edge and requires 2 3/8 yards of 44-inch material. The pattern is cut in five sizes, 22 to 30 inches waist measure.

No. 5630 may be worn either as an all-over apron or as a house dress. The



pattern is cut in six sizes, 32 to 42 inches bust measure. Size 36 requires 6 1/2 yards of 27-inch material.

Ladies' shirtwaist No. 6021 is made with front and collar in one. It is cut in five sizes, 34 to 42 inches bust measure. Size 36 requires 2 1/4 yards of 36-inch material and 3/4 yard of 24-inch contrasting goods.

USE THIS COUPON FOR PATTERN ORDERS.

Farmers Mail and Breeze, Pattern Department, Topeka, Kan.
 Dear Sir—Enclosed find cents, for which send me the following patterns:
 Pattern No. Size.....
 Pattern No. Size.....
 Pattern No. Size.....
 Name
 Postoffice
 State
 R. F. D. or St. No.
BE SURE TO GIVE NUMBER AND SIZE.

Flowers Like Vases To Match.

Vases really suitable for flowers will most often repose, when not in use, somewhere in the pantry or back porch, for they are not beautiful. Vases of pronounced designs are excusable only in so far as they are works of art themselves.

All vases suitable for holding flowers are of dull tones and simple shapes. Don't buy the gaudy glass ones on the bargain counter. Flowers which are low growing, as violets, should never be placed in tall vases. Reserve the tall ones for long-stemmed flowers or twiners, as honeysuckle, which may droop over the sides. Put in just a few flowers arranged naturally with some of their leaves.

Here are a few suggestions as to colors that won't "fight". Green is safe with any flower, providing it is a quiet, leaf shade. Some yellow or orange flowers contrast well with a dull blue

vase. A soft, dull pink, as Weigela, goes with blue. A low, dull green bowl enhances the beauty of violets. Yellows of all shades are at home in brown pottery. Better put the trying red and pink in green, grey, or clear glass vases. A plain, clear glass is good if the stems are beautiful. Keep the water in the glass clean.

Making a Fireless Cooker

BY FRANCES L. BROWN.
 Kansas Agricultural College.

Editor's Note—This sanitary fireless cooker, one that can be washed, is used by Miss Brown in her own home, and a description of it aroused great interest at the cheap meat demonstration held in Topeka two weeks ago.

HAVE the tinner make a heavy galvanized iron can, 10 1/2 inches in diameter on the inside and 13 1/2 inches deep. Have the seams folded and not soldered, and have a wire put in the upper edge. Then take paper asbestos—altogether you will need about 10 square yards at 6 cents per yard—and from it cut round disks that will just fit the bottom of can. Paste them on the outside of can until you have a layer half an inch thick, being sure to put them on smoothly. Paste layers of the asbestos around the outside of can until you have covered it half an inch thick. Then leave to dry.



Frances L. Brown.

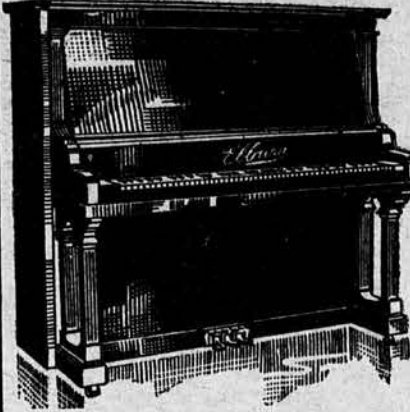
Have the tinner make another can, also of galvanized iron, but make this one a scant 10 1/4 inches in diameter outside measurement and 3 inches deep. This is to form a cover for the larger can, and is made smaller so it will just slip inside. Have one end of the small can, or cylinder, closed with a folded seam, but instead of running a wire in the top of this short cylinder have the upper edge turned out. Have a lid made for this cylinder that will be an inch larger than the cylinder itself, and have the edge of this lid turned down. Put a ring in the center of this lid. Take paper asbestos and lay enough round disks in the bottom of this short cylinder to make a layer half an inch thick and put strips 3 inches wide or a little less on the inside around the sides to make a half-inch lining. Fill in the space left with sawdust or paper, place the lid with the ring in the middle on top of this and, holding the two together, turn them upside down. Then hammer the edge down on the disk over the edge that was turned out on the cylinder, so making a folded seam that will also serve as a flange; when this short cylinder is placed inside the deep one this flange will keep it from slipping down inside.

Now when we secure two soapstone disks 1 1/2 inches thick and 8 inches in diameter, or two similar disks of iron, the cooker will be complete. However, it may be used without the iron disks, or stove lids may be used successfully. The short cylinder at the top filled with sawdust and the asbestos around the sides and bottom keeps in the heat. The disks cost me 50 cents apiece and the tin work altogether cost me \$1.50, so my cooker finished cost me a total of \$3.

I did not buy the regular fireless cooker vessels. I use any pan or kettle that will go down into the cooker, but it will be still more useful when I get triplicate vessels, that is, three that occupy the space of one. When using the disks for roasting meats we heat them until water dropped on them runs off without stopping to boil. One disk is put in the bottom of can, under the dish containing the meat, the other on top. For bread baking the water should only boil on the disk but should not run off. One soon learns how to use the disks, and is thus able not only to save time, labor and effort, but to have really more nutritious foods at less cost than she could have without the cooker.

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

Dependable Pianos They Pay!



Dependable Pianos—made by factories of recognized reliability—sold strictly on their merits, and exactly for what they are—and not only warranted by the makers but by Jenkins—that's the way pianos are sold here. Strictly one price—and a popular price—a price that takes advantage of every saving that comes from perfect organization, economical selling methods and a tremendous volume of business—that's the Jenkins way.

Steinway, Vose, Kurtzmann, Elburn

pianos on comfortable payments. Write for catalog and prices—\$125 and up. High class guaranteed Player Pianos \$435 and up. Call or write.

Amarillo, Tex
 Gentlemen—Received the piano today. Got it in first class shape and think it is finest tone I ever heard. I know I have the best piano in Amarillo. I am well pleased with it. Thanking you for past favors,
 T. B. BURTON

J. W. Jenkins Sons Music Co., Kansas City, Missouri



98 cents

5 Year Guarantee

To advertise our business, make new friends and introduce our great catalogue of Elgin watches we will send this elegant watch to any address by mail postpaid for **Only 98 cents**. Regular gentlemen's size, open face, full engraved, high grade gold plate English, Arabic or Roman dial, lever escapement, stem wind and stem set, a marvellously correct timekeeper and fully Guaranteed for 5 Years. Send this advertisement to us with your name and address and 98 cents and watch will be sent by return mail postpaid. Satisfaction guaranteed or money refunded. Remember, 98 cents is positively all you have to pay for this wonderful watch. Send 98 cents today. Address **R. E. CHALMERS & CO., 538 So. Dearborn St. CHICAGO**

6 Beautiful Narcissus Silver Tablespoons FREE

To Match Our Teaspoons
Extra Special 20-Day Offer
 To Mail and Breeze Readers!

Here is a chance for every housewife who reads the Mail and Breeze to secure absolutely free a set of 6 of our famous Narcissus Silver Plated Table Spoons. During the past 5 years we have given away thousands of sets of these beautiful table spoons, but never before have we been in a position to make such an attractive offer as we are now making to the women folks who read the Mail and Breeze.

Owing to our large purchases we have secured a price on these spoons which we believe is about one-fourth the price any local dealer would ask for the same grade of goods.

We have searched through the silver plate markets of the world and have never been able to find, at anything near the same cost, goods of such remarkable wearing qualities and of such beautiful design as this justly famous Narcissus set.

Full Standard Length and Weight

These are not small sized dessert spoons which are usually offered as premiums. These spoons are all full standard table spoon size, 8 1/4 inches long—handle 5 1/4 inches long, bowl 3 inches long and 1 1/4 inches wide. They are silver plated and handsomely engraved and embossed in the beautiful Narcissus design, same as the Narcissus teaspoons which we have been giving away for more than two years. Bowl is highly polished and the handle finished in the popular French gray style. The Narcissus design extends the full length of the handle on both sides. The gray finish of the handle contrasts with the bright polished bowl and produces an effect that is decidedly pleasing.

We could send you hundreds of enthusiastic letters from those of our readers who have received these spoons on other offers we have made in the past. We know they will please you, too—and if they don't you can send them back within 5 days and we will cheerfully refund every penny of your money.

Here Is Our Offer:

For the next 20 days, or as long as our supply lasts, we will give one set of 6 Narcissus Table Spoons free and postpaid to all who fill out the coupon printed below and send \$2 to pay for a three-year new, renewal or extension subscription to Farmers Mail and Breeze.

We will send one set free and postpaid for three one-year subscriptions to the Mail and Breeze at our regular rate of \$1 per year. One of these subscriptions may be your own renewal, but the other two must be new subscriptions.

If you want to be sure of securing one of these beautiful sets before our offer is withdrawn clip out the coupon and send it in today. Address

FARMERS MAIL AND BREEZE, TOPEKA, KANSAS.

Use This Coupon Now!

Publisher Mail and Breeze, Topeka, Kansas.

I am enclosing herewith \$2 to pay in advance for a three-year subscription to Farmers Mail and Breeze. You are to send me as a free premium, postpaid, one set of 6 full size Narcissus Silver Plated Table Spoons.

This is a (new) (renewal) (extension) subscription.

Name.....
 Address.....
 (If you send 3 one-year subscriptions use a separate sheet of paper for the 3 names.)



FARMERS CLASSIFIED PAGE.

Advertisements will be inserted in this department at the low price of 5 cents per word each insertion for one, two, or three insertions. Four or more insertions only 4 cents per word each insertion. Cash must invariably accompany the order. Remit by postoffice money order. No order taken for less than \$1. This does not mean that a single insertion of your ad must cost \$1, but that your total order must reach \$1. All advertisements set in uniform style. No display type or illustration admitted under this heading. Each number and initial letter counts as one word. Guaranteed circulation over 104,000 copies weekly. Everybody reads these little ads. Try a "Farmers Classified" ad for results.

HORSES, CATTLE, HOGS, SHEEP.

REGISTERED Hampshire pigs \$10.00 each. Frank Franklin and Sons, Vinita, Okla.

FOR SALE—One strictly good recorded 2-year-old Hereford bull, wt. 1,500. Price \$125. G. G. Dick, La Harpe, Kan.

SOME choice Jersey bulls that must be sold quick. Two nearly ready for service. Chester Thomas, Waterville, Kan.

DOGS.

SPITZ PUPS and old dogs. A. T. Garman, Courtland, Kan.

5 GREYHOUNDS \$50.00. Pedigreed. B. Byers, Troy, Kan.

SCOTCH COLLIES. Western Home Kennels, St. John, Kan.

CHOICE Scotch collie pups. Prices right. E. J. Barnes, Geneva, Neb.

PITT bull terrier pups. 1 bitch 2 years. Archie Williams, Preston, Kan.

FOR SALE—Scotch collie pups. Sable & White Stock Farm, U. A. Gore, Seward, Kan.

SEEDS AND NURSERIES.

COW PEAS—Ask Pittman & Harrison Co., Claremore, Okla.

GROWER PEAS—Best by test; lowest prices. Write Crescent Nursery, Crescent, Okla.

WHIPPOORWILL cowpeas recleaned and good seed \$2.25 per bu. Herman Ruppel, Inola, Okla.

WHITE PEARL seed corn, choice, carefully selected and tested seed. W. A. Hunter, Manhattan, Kan.

EXTRA clean alfalfa seed, free from weed seed, \$8.00 per bu. Sacks 25 cts. extra. G. A. Chapin, Belleville, Kan.

FOR SALE—All kinds sweet potato plants \$1.25 thousand. After April 25. D. Chiles, Oakland, Kan. Mention railroad.

MILLION Southern Queen potato plants \$1.50 per M. Over 2,000 \$1.25. Other varieties cheap. J. A. Adams, Fayetteville, Ark.

SWEET POTATO plants. Yellow Jersey, \$1.25 per 1,000; Red Jersey, Red Bermudas, Black Spanish, \$1.50 per 1,000. T. F. Pine, Lawrence, Kan.

NANCY HALL or dooly slips, one thousand or less two fifty per thousand; five thousand or more, one fifty. S. J. Armstrong, Ada, Okla.

IMPROVED Blackeyed seed peas. Hand threshed and cleaned. 6 cents per pound, sacked, f. o. b. Mill Creek, Okla. W. J. Rogers, Connersville, Okla.

PLANTS, PLANTS. Unlimited quantities of sweet potato, tomato, cabbage and pepper plants for sale at farmer's prices. Good plants moss packed, safe arrival guaranteed. A postal card will bring you prices and varieties. Gilmore Fruit & Plant Co., Topeka, Kan.

FOR SALE—Plants all varieties. Cabbage, early and late, 20c per 100, \$1.50 per 1,000. Tomatoes, early and late, 30c per 100, \$2.50 per 1,000. Sweet potato, Yellow Jersey and Nansmond 15c per 100, \$1.40 per 1,000. Red Jersey and Red Bermuda 20c per 100, \$1.65 per 1,000. Not prepaid. F. P. Rude & Son, N. Topeka, Kan.

WE NOW HAVE about 5,000 bushels of fine Whippoorwill cow peas that show excellent germination. We will make farmers in Kansas and Missouri price of \$2.75 per bushel, sacked, freight prepaid, in 5 or 10 bushel lots or more. Good cow peas are scarce. We refer you to any bank in Ft. Scott. Let us hear from you. Brooks Wholesale Co., Ft. Scott, Kan.

PLANTS FOR SALE—Tomato, Matchless Beauty, New Stone 25c 100, \$1.50 1,000. Kansas standard Dwarf stone. Dwarf champion 25c 100, \$1.50 1,000. Cabbage all varieties early and late 20c 100, \$1.25 1,000. Sweet potato, Yellow Jersey, Yellow Nansmond 20c 100, \$1.00 1,000. Red Bermuda, Red Jersey, Southern Queens, 20c 100, \$1.15 1,000. Pride of Kansas, Early Golden, Black Spanish, 25c 100, \$1.40 1,000. Not prepaid. John Patzel, North Topeka, Kan.

OILS.

WRITE us for prices on oil and greases. Complete line; lowest prices; immediate shipments. The Neosho Valley Oil Co., Chanute, Kan.

LANDS.

FOR SALE—2,500 acres central Michigan, fenced, good bldgs., well watered, \$25.00 per acre. Henry Edmister, Toledo, Ohio.

SELL YOUR PROPERTY quickly for cash. No matter where located. Particulars free. Real Estate Salesman Co., Dept. 5, Lincoln, Neb.

11 ACRES, 6 roomed house, outbuildings, fruit, 4 wells, 3 acres meadow; bargain; possession at once. M. S. Powers, Scranton, Kan.

FOR SALE—Terms. 2 fine improved tracts. 20 acres Atlanta; 2½ acres Winfield, Kan. Good rental. Save commission. Owner, Frank King, Atlanta, Kan.

DELAWARE, the diamond state. New booklet; unusual opportunities; ideal homes. Fruit, or diversified farming. State Board of Agriculture, Dover, Del.

NORTH LOUISIANA lands. 720 acre farm, well improved, two miles from Rytown, \$11 per acre. Write for list and prices. Langford Realty Co., Ruston, La.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 200,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 5c a word. Address: Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

CAN'T MAIL YOU A FARM! But we can send you a free sample of soil that will locate you on one. Fruit, alfalfa, grain, potatoes, poultry, hogs—the dirt with dollars in it. Low-priced land, fine California climate. Fairport, new town on Goose Lake—ninety miles of shore line. Irresistibly attractive. Ask for "Free Soil and Full Particulars." Land Commissioner N. C. O. Ry., Fairport, California.

ALBERTA—900 acres choice picked farm or ranch. 325 acres broken; all tillable; splendid soil, luxuriant grass; abundant water; fenced; leased section adjoining; seven open sections alongside for range; 5-roomed modern house, stable, cowbarn, corrals for 600, granaries, henhouse, autohouse, etc.; dead snap \$22 per acre; third cash, balance arranged. About this and other bargains write George Grant, Herald Block, Calgary.

NOTICE OF SALE OF REAL ESTATE—The undersigned will receive sealed bids for The South half of the North East quarter of the South West Quarter (120 acres), also the North West quarter of the South West quarter (40 acres) all in Section Two (2) Township Thirteen (13), Range Twenty-one (21), except four acres in the North West corner of said quarter section, being in the aggregate 156 acres more or less in Johnson County, Kansas. Also about thirty-three (33) acres of land adjacent to the above described land in Douglas County, Kansas. The above described real estate will be sold to the highest bidder for cash. All bids should be addressed to William H. Brune, Oehlertree, Kansas. A deposit of ten per cent of the purchase price will be required when the bid of the purchaser is accepted. The above 189 acres is good farm land two miles East of Eudora, Kansas, and is in a splendid German settlement. Possession can be had to put in a fall crop and full possession on the 1st of March, 1914. All bids must be received on or before the 18th day of June, 1913. I reserve the right to reject any or all bids. William Brune, Oehlertree, Kansas.

FARM LANDS.

IMPROVED FARMS south east Kansas. Address Wm. Stephens, Oswego, Kan.

WANTED—To hear from owner who has good farm for sale. Send description and price. Northwestern Business Agency, Minneapolis, Minn.

WRITE for new illustrated catalog of New York state farms located in St. Lawrence county, the leading dairy county of the United States. Russell, Real Estate, Ogdensburg, N. Y.

FARMERS WANTED—Finest farming section in United States. Ideal climate. Soils adapted to diversified crops. Opportunities for truckers, live stock breeders and poultrymen. Educational facilities unexcelled. Chamber of Commerce, Rock Hill, S. C.

GOVERNMENT FARMS FREE. Our 112-page book "Vacant Government Lands" describes every acre in every county in U. S. How secured free. Latest diagrams and tables. All about free government farms. Official 112-page book. Price, 25c postpaid. Webb Publishing Co., Sta. K, St. Paul, Minn.

PATENTS.

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

NEW YORK STATE FARMS.

SEVENTEEN THOUSAND buys 276 acres. Fifty choice Holstein cows, worth five thousand. Buildings worth ten thousand. Fodder, tools. Milk averages over six thousand yearly. Easy terms. Free catalogue. Farmers Bank, Springville, N. Y.

FOR SALE.

BALED HAY and hedge posts for sale. P. Ludvickson & Co., Severy, Kan.

LIVERY BARN and stock for sale. For particulars write Box 212, Richmond, Kan.

FOR SALE—Twenty horse Russel engine, Reeves separator \$800.00. John Z. Thomas, Olivet, Kan.

SIXTY DOLLAR Edison phonograph, good as new; 24 records; complete forty dollars. C. A. Bolster, Grainfield, Kan.

FOR SALE—Blacksmith shop tools and material; for further information address D. L. Thompson, Burns, Kan., Marion Co.

ALFALFA \$6; Sweet clover \$11; cane, millet, timothy, \$1.50. Pigs \$11. Cholera serum, 2 cents. Farms for sale and rent on crop payments. John Mulhall, Sioux City, Ia.

FOR SALE European hotel, ten year lease, best location, fifty modern rooms, a good money maker. Party wishes to sell at once, on account of small children and health. No answers made but call at once and see proprietor. European Hotel, Superior, Neb.

FOR SALE OR EXCHANGE.

IF YOU have farms, for sale or exchange write Funk, Gridley, Kan.

FOR SALE OR TRADE—2 good jacks. A. O. Drenning, New Cambria, Kan.

LIST YOUR EXCHANGE with us. List them at just what they are worth. Say what you want and where you want it and we will get it for you. Edwin W. Boyer & Co., 306 Commerce Bldg., Kansas City, Mo.

TO TRADE for merchandise; 320 acres land in Gove and Scott Co., Kan., ½ in cult.; 2 sets of improvements. Price \$17.50 per acre. Also 7 head of 1st class live stock, buggy, wagon, harness and few implements. Want to deal with owner direct. Hoyt A. Linton, Oronoque, Kan.

HELP WANTED.

WANTED—Lady for general housework on farm. Write C. C. Jennings, Spearville, Kan.

GOVERNMENT positions open to men and women. Big pay. List of positions free. Write immediately. Franklin Institute, Dept. O 53, Rochester, N. Y.

SONG POEMS WANTED. New plan. Big money. Past experience unnecessary. Send poems or melodies. Free book and advice. Hayworth Music Co., 660 G, Washington, D. C.

WILL PAY reliable woman \$250.00 for distributing 2000 free packages Perfumed Soap Powder in your town. No money required. M. E. Ward & Co., 218 Institute Pl., Chicago.

MEN AND WOMEN wanted for government positions. \$60 to \$100 month to commence. Vacations. Steady work. Over 12,000 appointments this year. Parcel post requires several thousand. Influence unnecessary. Write immediately for free list of positions. Franklin Institute, Dept. O 53, Rochester, N. Y.

MALE HELP WANTED.

WANTED—Postal clerks—Mail carriers. \$65.00 month to commence. Apply immediately. Franklin Institute, Dept. O 53, Rochester, N. Y.

\$15 TO \$45 per week. Chauffeurs and repair men secure steady employment. Let us tell you how. Denver Auto School, 768 Broadway, Denver, Colo.

WANTED. Reliable men to sell nursery stock. Outfit free. Liberal terms. Pay weekly. Experience unnecessary. Chanute Nurseries, Chanute, Kan.

WANTED—Postal clerk-carriers, postmasters, railway mail clerks, rural carriers, internal revenue clerks. Trial examination free. Write Ozment, 38, St. Louis.

YOUR opportunity to learn salesmanship quickly. We want ten more good men to act as special representatives in the best territory in Oklahoma and Kansas. Will pay extraordinarily liberal commissions to start. Send one bank reference with application. Address, Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

MALE HELP WANTED.

SALESMEN wanted in Kansas, Oklahoma, Missouri and Arkansas. Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence, Kan.

MAN WITH TEAM, can earn \$150 monthly. No experience or capital needed. Own boss in permanent, profitable business. Write quick. Heberling Med. Co., Dept. M, E. Douglas St., Bloomington, Ill.

-AGENTS WANTED.

AGENTS. Our specialty sells on sight. Every family needs it. Send for free particulars. The Industrial Products Co., Topeka, Kan.

TO SELL our high grade nursery stock good wages paid, references required. Address Nurseries, 2131 Nth. Lawrence Ave., Wichita, Kan.

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

MEN OF IDEAS and inventive ability should write for new "Lists of Needed Inventions," "Patent Buyers" and "How to Get Your Patent and Your Money." Advice free. Randolph & Co., Patent Attorneys, Dept. 25, Washington, D. C.

YOUNG MAN, would you accept and wear a fine tailor made suit just for showing it to your friends? Or a Slip-on Raincoat Free? Could you use \$5 a day for a little spare time? Perhaps we can offer you a steady job? Write at once and get beautiful samples, styles and this wonderful offer. Banner Tailoring Company, Dept. 356, Chicago.

SALESMEN WANTED.

SALESMEN WANTED in every county. Liberal terms; cash weekly. Outfit free. Write for terms. Fayetteville Nurseries, Dept. 2, Fayetteville, Arkansas.

VACUUM CLEANER.

FOR SALE—Hand-power vacuum cleaner. Slightly used for demonstration. Reasonable. Carter Barrett, 515 Horne St., Topeka, Kan.

LIGHTNING RODS.

ROD your own buildings. Any number of feet at wholesale prices. Harvey Kinzie, Hiawatha, Kan.

CHICKEN PERCH.

THE NATIONAL MEDICATED chicken perch, the great eliminator of mites, lice and practically all disease. Shaffer & Company, Minneapolis, Kan.

MISCELLANEOUS.

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

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

TUITION may be paid out of earnings after course is completed. Dougherty's Business College, Topeka, Kan.

HAND and Pony Hay Presses, lowest priced, high class and capacity balers on market. W. H. Stoppel, Mgr., Dallas, Tex.

THE ANDERSON LOADER, loads manure, cornstalks, stackbottoms, dirt, gravel, sand; no hand work. Write Anderson Mfg. Co., Osage City, Kan.

FREE—Absolutely free. The Mining News will be sent you three months free just to get acquainted. Mining News, 2533 West 37th Ave., Denver, Colo.

LEARN AUCTIONEERING. Make an auctioneer, don't pay a big price. My book tells you, all there is to tell about how to be an auctioneer, gives all pointers needed, for a few days only \$1. Send to H. A. Miner, Zwolle, La.

POULTRY MAGAZINE—Big 40 to 80 page illustrated magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 904 Jackson, Topeka, Kan.

RED ANTS spoil lawns, destroy alfalfa, poison ground, sting children, kill young poultry—I have a trap which will catch and hold them—they can not escape—give it a trial and you will be satisfied. Directions with each catcher. Price \$1.25 each; 6 to one address \$7.00. E. Blasdel, Enid, Okla.

Broomcorn Growers Together

We broomcorn growers in Oklahoma were buncoed out of our crop last year. One buyer told me he was not paying me for the crop, he was just paying me for hauling it to the railroad. We were compelled to do something, hence we are organizing a branch of the National Broomcorn Growers association here. But you need an axe or club to get the co-operative idea in some farmers' heads. As President Waters says, they

are slow to organize. The sooner they starve out the sooner they will come to it. However, we are having success with this organization so far. It is on the order of the Denmark organization. Its purpose is—

To eliminate the speculator. It intends to discourage the consignment of the brush.

To educate the farmer that he must produce a better grade of broomcorn.

To educate farmers in the selection of better seed, better care and attention in harvesting and handling the crop.

To encourage the building of warehouses, by both the grower and manufacturer.

To create a steady market from month to month and year to year for the product.

To have something to say about the grading of brush, as well as in setting the price.

To eliminate the wagon load idea, in marketing of the crop, instead to encourage storage of the crop, in order to influence the factories to send their representatives direct to the association.

To employ a national agent, whose duty it is to create a market for the product

of the members of the association.

To have in each county a county business agent, who shall have a general control of the sale of broomcorn in his county, subject to the members in the county.

I am acting secretary for Beaver county. We shall elect officers when the county is fully organized. Logan, Okla. W. J. Benner.

The Mail and Breeze is a very welcome visitor at my home.—T. P. O'Brien R. 4, Mumboldt, Kan.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kans.
John W. Johnson, 829 Lincoln St., Topeka, Kan., N. W. Kansas and S. Nebraska.
C. H. Walker, N. E. Kansas, N. Missouri, 3832 Flora Ave., Kansas City, Mo.
Geo. W. Berry, N. Nebraska and W. Iowa, Capper Bldg., Topeka, Kans.
Harry W. Graham, E. Iowa and Illinois, Chillicothe, Mo.
Ed R. Dorsey, S. E. Kansas and S. Missouri, Girard, Kans.

PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

Poland China Hogs.

- Aug. 12—H. Fesenmeyer, Clarinda, Ia.
- Aug. 13—John B. Lawson, Clarinda, Ia.
- Aug. 13—J. W. Pfander & Sons, Clarinda, Ia.
- Oct. 1—D. C. Lonergan, Florence, Neb.
- Sept. 6—J. C. Stalter, Jasper, Mo.
- Sept. 17—L. R. McClarnon, Braddyville, Ia.
- Oct. 21—H. B. Walter, Effingham, Kan.
- Oct. 15—R. B. Davis, Hiawatha, Kan.
- Oct. 17—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
- Oct. 18—Lambert Bros., Smith Center, Kan.
- Oct. 22—H. C. Graner, Lancaster, Kan.
- Oct. 25—J. W. Leeper, Norton, Kan.
- Oct. 28—W. R. Webb, Bendena, Kan.
- Oct. 28—Joe Hemmy, Hill City, Kan.
- Oct. 29—Walter Hildwein, Fairview, Kan.
- Oct. 30—Harry Wales, Peculiar, Mo.
- Oct. 30—Merton Williams, Valley Falls, Ks.
- Nov. 1—John Belcher, Raymore, Mo.
- Nov. 3—Joe Schneider, Nortonville, Kan.
- Nov. 5—R. B. Davis, Hiawatha, Kan.
- Nov. 6—W. E. Bpley, Diller, Neb.
- Feb. 10—H. B. Walter, Effingham, Kan.
- Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
- Feb. 13—J. E. Willis, Prairie View, Kan.
- Feb. 13—W. E. Bpley, Diller, Neb.
- Feb. 14—J. F. Foley, Orinogue, Kan.
- Feb. 17—L. E. Klein, Zeandale, Kan.
- Feb. 18—J. H. Harter, Westmoreland, Kan.
- Feb. 19—J. L. Griffiths, Riley, Kan.

Duroc-Jersey Hogs.

- Oct. 17—Moser & Fitzwater, Goff, Kan.
- Oct. 31—A. M. Rinehart & Son, Smith Center, Kan.
- Nov. 1—N. E. Price, Mankato, Kan.
- Nov. 5—W. E. Monasmith, Formoso, Kan.
- Nov. 7—Leon Carter, Asherville, Kan.
- Jan. 23—W. E. Monasmith, Formoso, Kan.
- Jan. 29—N. E. Price, Mankato, Kan.
- Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.
- Feb. 4—Moser & Fitzwater, Goff, Kan.
- Feb. 5—Samuelson Bros., Cleburne, Kan.
- Feb. 6—Leon Carter, Asherville, Kan.
- Feb. 7—E. G. Munsell, Herington, Kan.
- Feb. 9—E. A. Trump, Formoso, Kan.
- Feb. 10—Agricultural College, Manhattan, Kan.
- Feb. 11—Thompson Bros., Garrison, Kan.
- Feb. 20—John Emigh, Formoso, Kan.
- Feb. 21—Dana D. Shuck, Burr Oak, Kan.

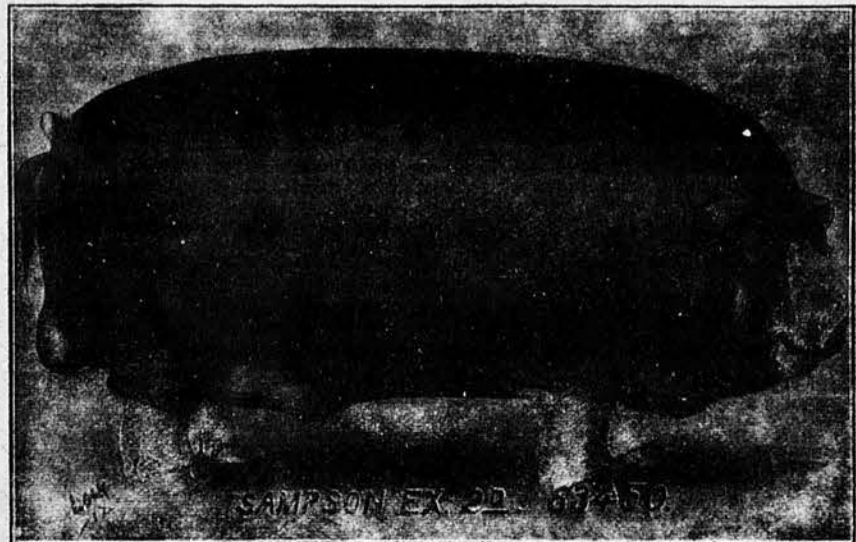
Shorthorn Cattle.

- June 4—John M. Bay, Aledo, Ill.
- June 6—C. S. Nevius, Chiles, Kan.
- June 11—H. Rees & Son, Omaha, Neb.
- June 13—Whittitt Bros., Preemption, Ill.

Aberdeen Angus Cattle.

- Oct. 22—W. F. Eckles, Green City, Mo.

J. G. Truman, of Bushnell, Ill., recently paid \$625.00 for a three-year-old draft colt. This is the record price for a colt of this age at the National Stock Yards. He weighed 2140 pounds and was sired by the imported Shire stallion Milestone Harold, a horse imported by the Truman Pioneer Stud Farm of Bushnell, Illinois, and sold to an Illinois breeder. Mr. Truman expects to show this colt at the leading state fairs and horse shows the coming fall.



The accompanying illustration is a picture of one of H. C. Graner's herd boars and a sire that is helping to make Poland Chinas more popular.

N. W. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

A. J. Hanna's Durocs.

A. J. Hanna, Elmdale, Kan., formerly of Manhattan, Kan., never does anything any more except on a large scale. He is not only farming extensively but has branched out in the livestock industry and has one of the really good Duroc herds of the state. Mr. Hanna now has perhaps 100 head of purebred and registered Durocs of breeding age and has spring pigs by the dozens and scores. His herd sows are many of them choice sows from the best herds of the country. At the head of the herd are such boars as Model Col. H. by G. C.'s Col., and MoS' Tat, one of the good sons of Tatarax. If you want Duroc breeding stock get in touch with Mr. Hanna. He is offering some excellent fall boars that will please you. Also some choice open gilts. In writing please mention Farmers Mail and Breeze.

S. E. Kansas and S. Missouri

BY ED. R. DORSEY.

We wish to call attention to the change in ad of Jas. T. Ellis of Adrian, Mo., successor to A. J. Erhart & Sons. This firm bought the Green Lawn Stock Farm and the Poland China herd from Mr. Erhart in the early part of the season, paying over \$50,000 for the herd and farm, and they will spare neither money nor time to keep this herd up to its present high standard. Mr. Ellis does not come to us as a stranger. For a number of years he lived in Cooper county, Missouri. He is a success at any business, and he will make this business go as it never has gone before. Keep an eye on the old Green Lawn Stock Farm.

Scottish Bulls and Females.

The accompanying illustration is a reproduction from an untouched photograph taken of a group of the Glenwood Short-horn matrons. These cows are in their every day working condition. The Glenwood herd is noted for sending out cattle



that go on and make good in their new homes. One of the special reasons for this is the way in which they are developed. The breeding herd as well as the young things have the advantage of the succulent feed not only in the summer but in the winter as well. Mr. Nevius is one of the pioneers in the construction of concrete silos. He has on his farm three or four of these silos and finds that the feed thus prepared is of inestimable value to him in the development of his Shorthorns. The cattle have the same slick, glossy appearance that they have in the summer time while running on grass. On June 6 Mr. Nevius will sell a draft of 38 head including some of the top females of the herd and 10 of the best bulls ever sent out from this farm. His offering will be added to by good ones consigned by the Kansas State Agricultural college. This will make the best offering of Shorthorns ever sold in Kansas. Thirty of the females are pure Scotch, 15 with calves at foot and the rest all safe in calf. There will not be a female offered in this sale that would not be a credit to any collection of Shorthorn cows in the country. No. 11 in the catalog is a good producing daughter of Gallant Knight, out of the same cow that produced the good Glenwood show and breeding bull, Prince Valentine 4th. This cow also has a granddaughter in this consignment that

will be one of the attractions. No. 12, Princess Magnet, is by Prince Pavana. She is too good a cow to sell. She has been as good a producer as has been her dam. This cow has one bull and half sister in this sale. Josephine S, the outstanding junior heifer of last season, sells in this sale with a white bull calf at foot. The bulls consigned to this sale include a number of pure Scotch animals that in breeding and conformation are good enough to head any herd or win high class honors in any of the western shows. Among these we mention Searchlight Bloom, probably as good a junior yearling as will be seen this season. He is a splendid roan and one of the thickest, smoothest bulls ever produced at Glenwood. White Starlight is his very close second. A good picture of White Starlight may be seen by referring to advertisement in this issue. Both of these bulls are sired by Searchlight. Searchlight Bloom is out of Violet Bloom, one of the best breeding cows on the farm. He stood either first or second in all the western shows last year, and is easily in the \$1,000 class. Lustrous Light is another of the good ones. He is by Searchlight and full brother to Searchlight Jr. He was at top of his class in Hutchinson and Oklahoma City shows last year and was well up in the money at the Royal. He weighs 1,400 pounds. Master Butterfly, a rich roan and high class herd bull prospect, is out of the good breeding cow Butterfly Maid. To the man who wants either high class Shorthorn females or an outstanding show bull prospect we say attend the Glenwood sale at Chiles, Kan., June 6.

N. E. Kansas and N. Missouri

BY C. H. WALKER.

H. B. Walter of Effingham, Kan., is offering a tried Poland China herd boar at a price which will enable any farmer or feeder to buy him. Mr. Walter also offers a splendid sale on fall boars and reports that all these are sold. Mr. Walter's herd is noted for the high quality in the pigs it produces. His herd is strictly big type but at the same time all the breeding animals are selected for their individual quality. If in need of a strictly high class boar write Mr. Walter.

Whiteford's Herefords.

Hugh Whiteford of Gullford, Mo., one of Missouri's enterprising breeders of Hereford cattle, reports his herd in excellent shape and that the cattle are going into the grass in good shape. Mr. Whiteford suffered from a severe accident recently, a broken leg incapacitating him from business. However, the herd is in good hands as the herdsman, Kirk Albright, is in charge. Mr.

Whiteford is getting along fine and will be himself again in a short time. It is hard to estimate the good that has been derived from the work of Parsifal in this herd. One of the best judges of Hereford cattle and one who is closely identified with that breed once said that Mr. Whiteford's herd bull, Parsifal, was one of the two best Hereford bulls in the country. He has everything to recommend him as a great sire—breeding, individuality and his ability to sire the right type. Mr. Whiteford has enjoyed a good trade and has three bulls yet for sale that are right. One, Master Sunny, he has used in the herd and has several of his calves. The others are by Parsifal and Beaumont, 2-year-olds and dandies. If in the market for a herd bull Mr. Whiteford has just what you want. Write him for further particulars and prices.

Col. Chas. M. Scott.

Breeders will be interested in the announcement that Chas. M. Scott of Hiawatha, Kan., formerly of the firm of Scott & Singer, Poland China breeders of that place, is now engaged in the purebred auction work. Col. Scott, through years of close study in his actual work as a breeder comes to his new work especially well equipped with the essential knowledge of pedigree, individuality and value. He is a graduate of the Missouri Auction School, which has given him the other points pertaining to the proper running of a sale. Personally he is well equipped for the work, having a wonderful constitution, a good voice. The breeders who attended the C. L. Branich dispersion recently and noted the clever way in which Col. Scott handled the sale remarked that he should be very successful in his new work. He is making a bid for purebred sales on a make good basis. A trial will convince and that is all he wants. His prices are reasonable. Consult him before booking your next sale.

Graner & Son's Poland.

Few herds of big type Poland Chinas in this section of the country have shown the improvement in the past two years that has the Henry Graner & Son herd at Lancaster, Kan. One of the big things that has had a lot to do in bringing this about is the fact that Mr. Graner has been unusually fortunate in the selection of herd boar material. In Sampson Ex 2d, a son of Sampson Chief and out of a daughter of the famous Expansion he has one of the good boars of the breed. He isn't the largest boar in the country, though he weighed 550 pounds as a yearling, but he sires them plenty large and gets them right in the individual points. Then there is Long King's Best, conceded to be one of the best breeding sons of Long King. It would do any man good who likes to look at good Poland Chinas to see the great line up of early spring pigs sired by these two boars now in the Graner herd. Then as if that isn't enough herd

heading material for one herd. Mr. Graner and H. B. Walter recently made the purchase of Moore's Halvor 175421, one of the largest boars in the state and one that is destined to make a record in the hands of these two well known breeders. He is by Big Halvor by Long Wonder and is out of a dam by the Jno. Miller breed, Welcome Chief and his second dam is Surprise Wonder 4th, one of the famous Wonder sows of Iowa. This boar is one of the largest Poland in the state and is right all over. He makes a valuable addition to these two good herds. It is a great lot of pigs on the Graner farm this year and those in the market for good stock the kind that will improve herds, should take a day off and inspect them. Mr. Graner invites inspection. He has the goods and is proud of them. Write him your wants in either boars or gilts and have him write you a description and prices.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

Alvin Long, Lyons, Kan., is making attractive prices on Hampshire breeding stock. He is booking orders for spring pigs both sexes and can sell you a fine pair or trio that you will be proud to show your neighbors. This is a cheap way to get a start in the popular Hampshires. Write Mr. Long, mentioning this paper.

Watson's Duroc-Jerseys.

R. C. Watson of Altoona, Kan., is offering Duroc-Jersey pigs sired by R. C.'s Buddy, Watson's Col. and Model Top. There are not three better bred herd boars represented in any Duroc-Jersey herd in Kansas. The first two boars mentioned are sons of grand champions and the latter is a grand champion himself. Mr. Watson reports his hogs doing fine, having the range of alfalfa pasture with a grain ration. For prices on this offering see ad in this issue and write Mr. Watson your wants.

Williams's Majestic Herd Poland.

One of the many good herds of big type Poland Chinas in northeast Kansas is owned by Merton T. Williams of Valley Falls. The Majestic herd is an evenly balanced, uniform lot of sows and boars, quartered on an ideal hog farm and run by a man that knows his business. A herd as strong as its herd boar and judging this herd's strength from that standpoint it ranks as one of the best in the state. Mammoth Ideal embodies the essential points required of a boar that is good enough to head the best herds. He is bred right, is big and smooth and a great breeder. He is sired by Eadley Goldust, by Big Hadley and out of a dam by Major M. He is deep and wide and thick, with heavy bone, and sires that kind of pigs. He is not the long legged, cat hammed kind by any means, but is a sample of the best in big type Poland. Assisting this boar in this herd is Expan-

F.S.H. A Remedy For Sick Hogs and Chickens that has proven a success for the expulsion of worms in Hogs, and the German diseases of chickens. If your dealer cannot supply you send us \$1 for one bottle, enough for 20 hogs or 2000 chickens. If not satisfactory, your money refunded. **THE OLEPHEN CHEMICAL CO., Wamego, Kan.**

LIVESTOCK AUCTIONEERS.

CHAS. M. SCOTT Livestock Auctioneer. Thoroughly posted on pedigrees and values. Formerly of Scott & Singer, Poland China breeders, Hiawatha, Kan.

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

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

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

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

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

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

FRANK J. ZAUN FINE STOCK AUCTIONEER Independence, Mo., Bell Phone 675 Ind. My References: America's best breeders for whom I have been selling for years. **Get Zaun He Knows How**

W. B. Carpenter, Live Stock and Real Estate Auctioneer. Also President Missouri Auction School. 14th and Grand Ave., Kansas City, Mo.

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

John D. Snyder HUTCHINSON, KANSAS LIVE STOCK AUCTIONEER Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

Col. N. B. PRICE Mankato, Kan. LIVESTOCK AUCTIONEER Phone or write for dates. Rosney E. heads my Duroc-Jersey herd.

Learn Auctioneering at World's Greatest School and be independent. Write today for free catalog. Jones National School of Auctioneering, Washington Blvd., Chicago, Ill. Carey B. Jones, Pres.

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

Percheron Stallions
 Black, 3 years old, weight 1800 pounds. Black, 3 years old, 1700 pounds. Dapple gray, 4 years old, 1700 pounds. Roan, 2 yrs. old, 1400 pounds. Sound, well bred, tried breeders, with plenty of colts to show, tall-edge guaranteed. No better horses in any breeder's barn in the state, and we import them at sacrifice prices.
BRED CATTLE and DUROC JERSEY BOARS
 E. W. SCHWAB, Clay Center, Nebraska

POLAND CHINAS.
Poland Chinas, with Size and Quality Bred sows and gilts, all ages for sale, sired by Wachter's Referee, and King Hadley. Lambert Bros., Smith Center, Kan.
Johnny Side Poland Chinas Sows bred for summer and fall. Stock priced right. Satisfaction guaranteed.
 J. G. BURT, SOLOMON, KANSAS.

Lein's Tabor Valley Herd
 type Poland China fall gilts bred or sired by my Iowa boar and out of my matured sows. Write for prices.
 L. E. KLEIN, ZEANDALE, KANSAS.

Summer Poland Chinas
 type Aug. Sept. and Oct. gilts open but will breed to type of Gold Mine. Some extra good tried sows for sale. Aug. farrow. 7 Aug. Sept. and Oct. farrow. 8 Aug. farrowed by Gold Mine and Pan Loc.
 METRICH & SPAULDING, Richmond, Kansas

Bright's Fall and Winter Boars
 and Gilts for sale. 40 head of nice, smooth individuals, sired by Cavett's Mastiff, by King Mastiff, and out of big type sows. Write for prices.
 I. ALBRIGHT, Waterville, Kansas

LARGE WITH PLENTY OF QUALITY!
 Handsome young boars, gilts bred or open. Set of large type blood lines. Some boars, set of boars. Satisfaction guaranteed on all breeding stock.
 LIVING & SONS, DANVILLE, KANSAS.

Harry Hoak's Poland Chinas
 Spring boars and gilts, pairs and trios untried. Fashionable big type blood lines. Finest lot of pigs we ever raised. Call to see today. HARRY HOAK, Attica, Kan.

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

Dean's Mastodon Polands
 Poland China hogs, the big-boned type, will weigh 800 to 1,000 lbs. Will sell a few boars of serviceable age, also choice brood sows and gilts, bred to my herd boars, for spring farrow. All immunized by Double Treatment
 bred headed by Mastodon Price, Columbia Wonder and Hunter's Longfellow 3d. Everything guaranteed and sold worth the money. Address
 LAWRENCE DEAN, WESTON, MISSOURI

A. D. JONES
 of DUNLAP, IOWA
 For sale 40 fall boars sired by 1,000 pound boars and from 600 and 800 pound sows. Strictly big type Poland Chinas. I breed for length, bone, large litters and quick maturity. I also have 50 fall gilts, 20 to be in the market this fall and winter and 40 spring pigs that are doing fine.

Fall Boars all Sold
 I am now offering a tried herd boar, an excellent individual and breeder. Priced when any good farmer can buy him. Also three January boars.
 H. B. WALTER, Effingham, Kan.

Advance 60548
 The half ton grand champion with an 11 inch bone and
Kansas Big Bone 65379
 head my Black Mammoth herd of Poland Chinas. Herd sows are daughters or granddaughters of that grand old sow Black Mammoth 2nd and sired by such boars as Expansion Wonder, Cowles Tecumseh and Expansive Chief. My entire 1913 spring crop priced to move them quick. The best boar pigs by Advance at \$25.00. All other boars and all gilts at \$20 each or two for \$35. All pigs guaranteed satisfactory. Buy good pigs now and save big express bills.
Paul E. Haworth
 Lawrence, Kansas

sive B, by Expansive and out of the great producing sow, Surprise B. The spring pigs this year are by these two boars with a good litter by Long King's Best. These are out of sows by Judge Taft, Guy's Monarch, Long's Mogul, Sampson Chief, Grand Look and other well known sires. Mr. Williams held one of the most successful sales in the state in 1911 and he was able to do it because he had the goods. The spring crop of pigs is not so heavy this year and he is offering at private treaty a selected lot of boars and gilts. To the breeder or farmer that is in need of a boar that will improve the stock on his farm this is the place to buy him. Mammoth ideal is a boar that is bound to make a reputation for himself and his owner. Write Mr. Williams for further information and prices.

Percherons Sell Well
SUMMARY.
 17 stallions \$ 6,225; average.....\$389.00
 22 mares 8,350; average..... 388.63
 39 head sold for. 15,155; average..... 388.60

When an offering of Percherons makes the satisfactory average quoted above and especially all yearlings, it shows that the demand for Percherons is in a healthy state and that the firm making the offering stands well in his business. J. C. Robison, owner of Whitewater Falls Stock Farms, at Towanda, Kan., made these averages in his May 21 sale. The offering brought buyers from Illinois, Nebraska, Missouri, Kansas, Oklahoma and Texas. The buyers and friends present at his sale constituted one of the largest crowds that ever assembled at this noted breeding establishment. Madam, a yearling daughter of Intuitive topped the filly offering going to W. S. Corsa of Whitehall, Ill., at \$150. W. S. Roof of Thomas, Okla., paid \$160 for Morveta which was the top price for mares. The top price on stallions was \$905 paid by D. E. Shirk of Sedgewick, Kan. Colonels "Bob" Harriman and John Snyder were the salesmen. Following is the list of sales:

MARES.		
Macedoine, 1 year, T. B. Bowman & Son, Boone, Neb.		\$500.00
Madam, 1 year, W. S. Corsa, Whitehall, Ill.		550.00
Moselle, 1 year, T. B. Bowman ...		355.00
Marbonne, 1 year, Clint Sheppard, Plainview, Tex.		360.00
Mandibule, 1 year, J. E. Callaway, Lebanon, Kan.		295.00
Marchande, 1 year, D. F. McAllister, Severy, Kan.		330.00
Mancelle, 1 year, D. F. McAllister ...		360.00
Margot, 1 year, J. C. Hill, Holton, Kan.		300.00
Marlele, 1 year, W. K. Rusk, Wellington, Kan.		380.00
Magnifique, 1 year, D. Rafter, Holton, Kan.		325.00
Mammite, 1 year, Lee Bros., Harveyville, Kan.		355.00
Mandative, 1 year, D. Rafter ...		310.00
(Substitute) Jessie, P. B. Holmes ...		400.00
Meche, 1 year, J. C. Hill ...		300.00
Marcaste, Clint Sheppard ...		300.00
Grace, 1 year, W. S. Sanford, White City, Kan.		270.00
Elizabeth, 1 year, Lee Bros.		360.00
Gradine, 1 year, E. J. Shippel ...		280.00
Imminite, 5 years, J. C. Hill ...		580.00
Hysterique, 6 years, J. C. Hill ...		460.00
Josephine, 9 years, W. S. Roof ...		550.00
Thomas, Okla.		550.00
Morveta, 10 years, W. S. Roof ...		610.00
STALLIONS.		
Muscat, 1 year, E. J. Shippel ...		380.00
Macreuse, 1 year, J. E. Rusk, Wellington, Kan.		320.00
Marmot, 1 year, Clint Sheppard ...		255.00
Managot, 1 year, W. F. Sanford, White City, Kan.		345.00
Marcescent, 1 year, John Strothers, Kiowa, Kan.		325.00
Bieher, 1 year, Clint Sheppard ...		225.00
L. Casino, 1 year, D. A. Reeves, Conway Springs, Kan.		250.00
Kozimer, 3 years, Fred DeMott, Arkansas City, Kan.		350.00
Patrick, 1 year, Mrs. M. S. Munson, Eldorado, Kan.		400.00
Gano, 1 year, Clint Sheppard ...		240.00
Sir Peter, 2 years, S. J. Hamilton, Galt, Mo.		500.00
Teddy, 2 years, Clint Sheppard ...		450.00
Allett, 2 years, Lee Bros.		430.00
Marquette, 2 years, W. S. Bowles & Son, Enid, Okla.		300.00
Parapet, 4 years, L. C. Johnson, Osgood, Mo.		650.00
Halt, 2 years, A. L. Snodgrass, Augusta, Kan.		300.00
3 years, D. E. Kirk, Sedgewick, Kan. ...		905.00

W. Iowa and N. Nebraska
 BY GEO. W. BERRY.

On May 21 W. E. and H. W. Truman sailed on the Mauritanie for their regular annual visit to their old home. They will visit the leading shows in England, France and Belgium for the sole purpose of obtaining the best stallions and mares to supply their American trade the coming season. Truman's Pioneer Stud Farm of Bushnell, Ill., reports selling conditions good. This is especially true of the higher class stallions and mares. During the last month they have sold stallions in the following states: Illinois, Missouri, Iowa, Indiana, Montana, Wyoming and Colorado. They still have an extraordinary fine collection of imported Shire, Percheron and Belgian stallions which they are offering at attractive prices in order to make room for their summer importations. If interested in any of these breeds we especially recommend Truman's Pioneer Stud Farm.

Rees Shorthorn Sale, June 11.
 The Shorthorns cataloged by Howell Rees & Sons for their sale at South Omaha, Neb., June 11, comprise a rare selection of cows and young bulls. Crescent Goods is a white 2-year-old bull by the Champion Ruberta's Goods, and his dam is Imp. Crescent 8th, that sold in the Flat sale at Chicago for \$1,000. Secret Goods is a dark roan yearling highly esteemed by Messrs. Rees as one of the very best sons of Ruberta's Goods. Lavender's Goods has the distinction of being a son of Ruberta's Goods and out of Lady Lavender 2d, by Imp. Choice Goods, and is a full brother to the heifer sold to Bellows Bros. for \$550. He is a red, and his individuality as well as his matchless breeding entitles him to a position in a good herd. Callant Tyne is a white year-

POLAND CHINAS.
Poland China tried sows and fall gilts bred or open. Big type boars and big mature dams.
 J. F. FOLEY, Oronoque (Norton Co.), Kan.

100 SPRING PIGS Sired by King Hadley, King Blain, Jr., King John and Long John 2nd; orders booked for May and June delivery.
 W. Z. BAKER, Rich Hill, Mo.

Cleburne Breeding Farm!
 Big type spotted Poland Chinas. Male pigs for sale, fall and spring pigs. Alfred Carlson, Cleburne, Kas.

Green Lawn Stock Farm of Adrian, Mo.
 is offering 40 Fall and Winter Males that will weigh from 150 to 250 each. No better Poland Chinas on earth. Also a number of bred gilts.
 JAS. T. ELLIS, ADRIAN, MISSOURI
 Successor to A. J. Erhart & Sons.

Schneider's Poland Chinas
 A few topmy fall boars for sale, out of my best sows, by Guy's Expansion and Goldust Hadley. Also a great lot of Feb. and March pigs—pairs or trios. Joe Schneider, Nortonville, Kansas.

Big Type Polands!
 Young boars ready for service and open gilts ready to breed. They are strong in the blood of Big Hadley and A Wonder. The big smooth kind. Every description guaranteed. Call on or write.
 A. R. ENOS, RAMONA, KANSAS.

HOWARD R. AMES, MAPLE HILL, KANSAS
 No sales. March pigs sired by big type boars and out of my big sows for \$10 each to July 1st. Both sexes. Certificate with each pig. Address as above. Satisfaction guaranteed.

COLUMBUS
 The 1050-lb. Grand Champion, 1912, Nebraska, Kansas, Missouri and American Royal, heads my herd
Big Type Poland Chinas
 R. B. BAIRD, Central City, Nebraska

THURSTON & WOOD'S Poland Chinas
 The large, smooth kind. Fall boars, handsome fellows by U. Wonder by A. Wonder, also gilts by this great son of A. Wonder and bred to Orange Lad by Big Orange. Thurston & Wood, Elmdale, Kan.

John Harter's September Boars
 25 selected Sept. boars to pick from. Sired by Mogul's Monarch, Long King, Prince Hadley and Gehart. Well grown and desirable as herd boars. Prices right. Satisfaction guaranteed.
 J. H. HARTER, WESTMORELAND, KAN.

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



Royal Scion Farm Durocs
 The great Graduate Col., assisted by Col. Scion, heads this herd. Spring and fall boars, some of them show herd header material; also a few gilts and spring pigs, either sex. G. C. Norman, R. 10, Winfield, Kan.



MAMMOTH IDEAL BOARS and GILTS
 Mammoth Ideal 5459, one of the biggest and best boars of the breed, in service, assisted by Expansive B, by Expansive. I can supply your wants in herd boar material, in choice breeding gilts. Get my descriptions and prices before buying.
 M. T. WILLIAMS, VALLEY FALLS, KANSAS

PLEASANT HILL STOCK FARM POLANDS
 Long King's Best, Sampson Ex and Moore's Halvor, a trio of unusually fine big-type boars in service. Booking orders now for spring boars and gilts—over 100 head to select from. These are bred right, fed right and priced right.
 HENRY GRANER & SON, LANCASTER, KANSAS.


Robinson's Mammoth Poland Chinas!
 My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried boars and a few extra good last fall pigs of both sexes. My terms are: If you are not satisfied return the hog and
 I return your money.
 F. P. ROBINSON, Maryville, Mo.

BIG TYPE BRED SOWS FOR SALE
 Daughters of Long Wonder (a double bred A Wonder) and King Mastodon 2nd, bred for May and June farrow, to Orange Model 2nd, by Big Orange and out of a Pawnee Lad dam and to Expansive Wonder, by Expansive. These are extra good, strictly big type with quality and will please. Write or call.
 W. E. LONG, Meriden, Kansas

BIG TYPE UNPAMPERED BERKSHIRES
 200 sows bred to Fair Rival 10th, King's 4th Masterpiece, Truetype, King's Truetype, and the great show boar King's 10th Masterpiece. All long large and heavy boned. Sows farrow all through April, May and June. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth.
 E. D. KING, Burlington, Kansas

EX B. by EXPANSIVE one of the greatest breeding boars of the day heads my herd of over 250 head. Two extra good boars by him, August farrow, for sale. Also choice line of fall gilts, open. Booking orders for spring pigs. Write or call.
 W. R. WEBB, BENDENA, KANSAS.

Big Orange, Big Sensation & Ott's Big Orange
 In service in my herd of POLAND CHINAS. For sale—Pigs of both sexes, and boars of most all ages of the correct type that will please you.
J. O. JAMES, Braddyville, Iowa



Pleasant Valley Stock Farm!
Big Boned Poland Chinas
 H. C. LOOKBAUGH, Prop.
 We are now offering a few choice fall boars at choice prices. They are the kind that make good. Satisfaction guaranteed. Address
 L. W. CUTRIGHT, Mgr., Watonga, Okla.

POLAND CHINAS.
NEBRASKA TYPE POLANDS Choice summer and fall boars and gilts, by Haden's Big Hadley 2nd, Pan Wonder, and Nebr. Chief. C. C. INGRAM, Bloomington, Neb.

DUROC-JERSEYS.
Duroc March Pigs \$9.00 and up, by Model Again, Long Lad and Tatarax Boy. R. W. Baldwin, Conway, Kan.

DUROC - JERSEYS 10 head of well-bred, boars and gilts for sale.
 J. R. JACKSON, KANOPOLIS, KANSAS.

E. A. TRUMP, Formoso, Kan.
 Breeder of fashionable Duroc-Jerseys. Stock for sale at all times. Write for prices and descriptions.

BRED GILTS I have an exceptionally fine lot of Duroc gilts bred to my prize winning boars for sale, bred right and fed right. Write for prices and description.
 CHAS. L. TAYLOR, OLEAN, MISSOURI

Deep Creek Herd Durocs!
 Orders taken now for early spring pigs, dams either state fair prize winners or sired by prize winners. Write for low prices.
 C. O. ANDERSON, MANHATTAN, KAN.

Good E. Nuff Again King 35203
 Heads our great herd. Sale average: March 11, sows, \$77.50, sows and gilts, \$52.00. Write for prices.
 W. W. OTEY & SONS, Winfield, Kansas

DUROC-JERSEY BOARS
 10 head of well bred Duroc-Jersey boar pigs, healthy, with good backs, feet, head and ears, dark cherry color, of popular breeding and priced reasonable, F. O. B. your station if wanted.
 ARTHUR A. PATTERSON, Ellsworth, Kan.

An Extra Good Duroc Boar
 Golden Model 33rd 131273. We are pricing him for quick sale. He is a show prospect and bred good enough for anybody. Also fall boars. Call or write today.
 W. R. HUSTON, Americus, Kan.

Dreamland Colonel
 Summer and fall boars and gilts for sale. Everything immune. Nothing but desirable animals offered. Prices reasonable.
 LEON CARTER, Asherville, Kan.

Bonnie View Farm
Duroc-Jerseys: Fall and spring pigs.
Plymouth Rocks: Eggs in season.
Searle & Cottle, Berryton, Ks.

DUROC-JERSEYS.

Perfection Stock Farm!

Fall boars and gilts, also orders booked for choice spring pigs by State Fair Champions. Pairs and trios not related. Prices right. CLASEN BROS., UNION CITY, OKLA.

FALL BOARS BY DREXEL'S PRIDE

the sire of my s-o-w hogs. Spring pigs by him and Queen's Wonder 112317, a sensational Crimson Wonder Again yearling. All choice and priced right. W. T. HUTCHISON, CLEVELAND, MO.

TATARRAX HERD DUROCS

Good fall gilts, open or bred, by the grand champion Tatarrax and G. M.'s Tat Col. In good condition and priced right. Write today for further particulars. Hammond & Buskirk, Newton, Kan.

A FINE OFFERING

Spring pigs sired by R. C. Buddy, Watson's Col. and Model Top. Prices \$20 to \$25. R. C. WATSON, Altoona, Kansas.

10 Duroc Jersey Boars

of summer and fall farrow. \$25 each to move them quick. Sired by Model Chief and out mature sows. Dana D. Shuck, Burr Oak, Jewell Co., Kansas

Duroc Boars For Sale

Zeko Col. by B. & C. Col., my great herd boar, also a few of his fall boars, price \$20. Good bone and thrifty. S.C. Buff Leghorn eggs \$1 per 15. \$4 per 100. JOHN FERRENOUD, HUMBOLDT, KAN.

HILLSIDE HERD

We offer spring pigs by Dandy Model 131783, pairs and trios not related. Write today about that young boar you need now. One 165-pound pig by J. R.'s Col. and a good one. W. A. Wood & Son, Elmdale, Kansas.

Big-Type DUROCS

Fall gilts bred or open. Booking orders for spring stock. Monarch Wonder, Col. and Buddy strains. Fall sale Oct. 17. MOSER & FITZWATER, GOFF, KANSAS

Stith's DUROCS

Sows and gilts bred to and young boars and gilts by Model Duroc, one of the best sires of the breed. His half brother and sister were grand champions. His sire was a champion. Write today. CHAS. STITH, Eureka, Kansas

HANNA'S DUROCS

September boars, good boned, good backed stretchy fellows by Model Col. II, and Mes' Tat, a good son of Tatarrax; also a few good open gilts by the same sires. Satisfaction guaranteed. A. J. HANNA, ELMDALE, KANSAS

Quivera Place Durocs

A few, choice summer boars and gilts, sired by Quivera 106611. E. G. MUNSELL, Herington, Kansas.

Bancroft's Durocs!

We hold no public sales. Nothing but the best offered as breeding stock. 12 choice September boars. September gilts open or bred to order for fall litters. 90 March pigs. Pairs or trios not akin. Prices right. Customers in 8 states satisfied. Describe what you want, we have it. D. O. BANCROFT, OSBORNE, KANSAS.

HAMPSHIRE.



WRITE J. F. PRICE, Medora, Kans.

For prices on Pedigreed Hampshire Hogs

PURE BRED HAMPSHIRE

Breeding stock all sold. Booking orders for spring pigs. ALVIN LONG, Lyons, Kansas

REGISTERED HAMPSHIRE

Well Bred Well Belted SUNNY SLOPE FARM, Frank H. Parks, Prop., Olathe, Kan.

Pedigreed Hampshires of various ages. Boars at weaning time only. Every hog properly vaccinated. C. E. Lowry, Oxford, Ks.

CLOVERDALE HAMPSHIRE!

A few gilts open or bred to order for fall litters. Booking orders for spring pigs in pairs or trios not akin sired by my four great boars. T. W. LAVELOCK, PRINCETON, KANSAS.

BERKSHIRE.



LEON A. WAIT'S Berkshires

A good herd at Winfield, Kan., headed by Lord Duke 3d, 132892.

Hazlewood's Berkshires!

Choice spring boars and gilts priced to sell. Write today. W. D. Hazlewood, R. B. Wichita, Kansas

New York Valley Berkshires

30 gilts bred for August and September farrow. Some show prospects in open gilts and boars ready for service. 75 pigs, either sex, ready for shipment in May and June. J. T. Bayer, Yates Center, Ks.

Bred Berkshire Sows

25 head of young tried sows, representing the best Robinhood strains and bred for May and June litters to Ajax, a son of Rival's Lord Premier and Longfellow's Duchess 4th. These are extra good and are priced to sell. They won't last long. Write at once. W. J. GRIST, Ozawkie, Kan.

ling, by The Callant, a son of Avondale and full brother of Whitehall Rosedale. Callant Type is from an imported cow, is richly bred, is well covered with flesh and is a good prospective herd header. There are 10 bulls in the sale, every one a good individual, and are of the best Scotch breeding. The cows include Lady Violet 4th, by Ruberta's Goods and out of Lady Violet 3d, by the celebrated Choice Goods. It is safe to say that her equal will not be sold during the year. Lady Marengo 2d is a large roan cow, whose grand dam is the dam of Cumberland's Last. Countess Sultana, another roan, is by White Sultan, the \$2,700 son of Whitehall Sultan, and she is from Imp. Countess 9th. Among the attractions may be mentioned—Orange Sultan, by Victor Sultan; Sylvia Goods, a show heifer the past two seasons; Princess Goods, an Orange Blossom; Gloster Lad, a choice 2-year-old; the roan yearling, June Goods, that was a winner through the entire circuit last year; Ruby Goods, the first prize calf of Denver and a great prospect for the coming shows; and Charity 13th a well bred Scotch cow. The catalog should be in the hands of every person interested in good Shorthorns. It will be mailed upon application to Howell Rees & Sons, Pilger, Neb.

E. Iowa and Illinois

BY HARRY W. GRAHAM.

A visit to C. S. Hechtner's Maple Grove Farm, Chariton, Iowa, last week disclosed the fact that this well known Galloway cattle and Oxford Down sheep breeder is about to receive one of the greatest importations of Galloway cattle ever brought across at one time. He had just received word that they had landed in New York and he has gone to receive them. Among the number is his new herd bull "Sweepstakes" 10001, a 5-year-old bred by Colonel Kennedy of Blawquhairn, Scotland. He is reputed to be a great sire and has left in Scotland some very high ranking sons and daughters in the shows of that country. He gained premier honors himself in the aged classes. He is of great size and full of flesh" and it is predicted by experts in Scotland that he will find great favor with American judges. In all there are 12 bulls and two heifers in the importation. There was considerable complaint among the breeders of show stock in Scotland, when it was learned that Mr Hechtner had made purchases of so many good ranking bulls. From the way they talked it seems he has spoiled some of the leading show herds for this season by bringing these to America. Maple Grove herd numbers about 120 head. He is now offering 20 1 and 2-year-old bulis for sale. Among them are some very choice individuals that give promise of making great herd headers. They are sired by Standard Favorite, the champion sire and show bull, others are by Imported Camp Follower of Stepford, and Stanley Othello. Three as great sires as will be found anywhere. If in need of a good young bull, write mentioning this paper.—H. W. G.

Galloway's Annual Sale Dairy Cattle.

On June 19 Mr. William Galloway, Waterloo, Iowa, the well known breeder and importer of Holstein-Friesian and Ayrshire cattle, will hold his annual sale at his farms, 1 1/2 miles from Waterloo. The value of a visit to the William Galloway Farms is beyond an estimate, dairying and general farming is carried on so extensively. These farms have made a reputation in the corn belt as producers of the highest quality certified milk, cream and high quality butter. Every animal in the offering is a producer at the stall or is a son or a daughter of a heavy producer. The offering consists of 86 head, 50 Holsteins and 36 Ayrshires. See announcement elsewhere in this issue. On sale day as well as the day before and the day after, the William Galloway Farms will be open to all visitors. The modern farm creamery, and what is said to be "the best cow born in the state of Iowa" will be well worth a visit from every farmer and stockman who is interested in good farming and good stock breeding. Among the Holsteins are sons and daughters of cows with records from 18 to 25 pounds of butter in seven days. Every animal is described in detail in the catalog, which is ready to mail on application. Write for it. A post card will bring it. The blood of Korndyke's, the Pontiac's, and the Colantha's is well represented in the sale. One of the attractions is the young cow, Hilaria Johanna Ormsby, whose dam is closely related to the \$7,000 Johanna De Kol Van Beers, with a record of over 40 pounds. Another is a son of the undefeated grand champion cow, Fay Jewel Beauty. This calf was dropped November 28. Every animal in the offering is an A-No. 1 individual and of the best approved dairy type. Among the Ayrshires are cows and heifers and young things from imported dams and sires. It is needless to say more about the Ayrshires for the Galloway Farms herd is one of the best known in the United States. Among them are eight fine males that will be appreciated. Plan to attend this great sale.

Editorial News Notes.

Lice and Mites

And how to get rid of them is a problem many poultrymen cannot solve. It is very easy if you use Licecil Compound. Simply hang the bottle in the coop the vapors leaving the bottle are three times heavier than air and descend in a misty form, penetrating feathers, cracks and crevices. Lice have no lungs and breathe through the pores of their body and positively cannot live in this vapor. It is not necessary to paint, spray or dust. Licecil is so easy and convenient to use. Write Metzger Co., No. 82, Quincy, Ill., for free circular telling of this marvelous preparation.

The Farmers Alliance Insurance Company of McPherson, Kan., evidently figures that while the patriotism of Kansas farmers which leads them to supply their wants from Kansas institutions is a good thing, the exercise of this sort of patriotism is bound to bring greater satisfaction to these farmers when they actually make money by it. For this reason the company is conducting in the Mail and Breeze an advertising campaign designed to show the farmers of Kansas how they may not only buy the best possible fire, lightning, tornado and windstorm protection at home, but by doing

Lookabaugh's Shorthorns

Sold on Time at Private Treaty

Six or nine months if desired. What we want is your trial order. Young Heifers and Bulls at \$50, \$75, \$100 and up. Two Heifers and a Bull, not related, \$200 for the three—Others higher.



Over 200 Head From Which to Select

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

COWS WITH CALF AT FOOT AND RE-BRED. RICHLY BRED YOUNG THINGS, SHOW PROSPECTS. HANDSOME YOUNG BULLS, HEID HEADER MATERIAL. RUGGED YOUNG BULLS, THE FARMER AND STOCKMAN KIND. In fact a splendid array of foundation Shorthorns, that carry the blood of the best families and the most noted sires of the breed. Don't wait, but come and get your first pick. Visitors always welcome at Pleasant Valley Stock Farm. Write your wants today. Address H. C. LOOKABAUGH, Watonga, Blaine Co., Okla.

Galloway Farms Annual Sale!

Waterloo, Iowa, June 19, 1913

86 HEAD Imported and Home bred. 50 Holstein-Friesians, 15 Males, 35 Females. 36 Ayrshires; 8 Males and 28 Females.

All registered. Complete descriptive and illustrated catalog ready to mail on application. But 1,000 copies issued, write at once. A post card will bring it. Dairy cattle of high records from families of high records and the best known breeding in both breeds. Turn out, you can't afford to miss this sale and not take home some of the heavy producers from the Galloway Farms Herd.

WILLIAM GALLOWAY, Proprietor. A. BARHANS, Manager. WILLIAM GALLOWAY FARMS, WATERLOO, IOWA Col. D. L. Perry, Auctioneer. Harry Graham, Fieldman.

Registered GALLOWAY CATTLE

We Breed Market Toppers." JAS. & W. R. CLELLAND, New Hampton, Mo.

MULE FOOT HOGS.

Mule-Footed Hogs The coming hogs of America; hardy; resist disease; the best rustlers known; pigs ten to sixteen weeks old, \$30 pair. Circular free. DR. W. J. CONNER, LABETE KANSAS.

Mule Foot Hogs Bred gilts for spring farrows all old. Some choice boars for sale. Am now booking orders for pigs of February and March farrow, in pairs not related. ZENE G. HADLEY, Box D, Wilmington, Ohio

O. I. C. SWINE.

O.I.C. Boar Pigs HARRY HAYNES, Meriden, Kansas.

Maple Leaf Improved Chester Whites All ages, the round. Priced to sell. R. W. GAGE, Garnett, Kan.

RUSSELL'S O. I. C.'s February and March pigs ready for shipment. The large prolific type. Satisfaction guaranteed. H. R. RUSSELL, Sedgwick, Kan.

O. I. Cs., Oxford Down Sheep, BARRED ROCKS 2 good boar pigs, large enough for service of the big boned, growthy kind. Also a few extra good gilts, bred to Commodore and out of Climax, one of "The kind that" W. W. WALTIRE & SONS, Peculiar, Missouri

Grand View Stock Farm Choice O. I. C. fall gilts, bred or open. White Wyandotte chickens. Eggs for sale now. Stock in season. Write for prices. ANDREW KOSAR, GLASCO, KANSAS.

Neef's Cholera Immune O. I. C's. Pure bred seeds and S. C. R. I. Reds. Hogs all ages for sale at reasonable prices. Booking orders for spring pigs—boars and gilts. Have choice lot Reid's Yellow Dent, Boone Co. White and Carter's seed corn at \$2.00 per bu. shelled and \$3.00 in ear. Re-cleaned Texas Red Rust Proof seed oats and seed rye. Some fancy S. C. R. I. Red cockerels at \$1.00 and \$2.00 each. Eggs for setting \$1.00 per 15. \$4.00 per 100. Riverside Farms, J. H. NEEF, Boonville, Mo.

HOLSTEINS.

BONNIE BRAE Holsteins for Sale I have for sale at the present time 15 head of high grade Holsteins from two to five years of age, both fresh and heavy springers that I will make attractive prices on for quick sale. Also a few bulls. IRA ROMIG, Sta. B, TOPEKA, KANSAS

Registered Holstein Bulls

Only 5 ready for service, and seven 8 to 12 months old left. Sired by King of the Butter Kings, \$10,000 Milk and Butter King, and King Segls Hengervald, nearly all out of A. R. O. dams. Prices \$55 to \$125. No females. ROCK BROOK FARM Station B, Omaha, Nebraska.

ABERDEEN-ANGUS.

DENTON'S Angus Bulls all sold but a fine lot coming on for fall trade. Write your wants to W. G. DENTON, DENTON, KANSAS

ANGUS CATTLE

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

JERSEY CATTLE.

JERSEY CALVES

from heavy milking dams, rich in butterfat. The Jersey is the ideal butter fat producer. I have choice selection of calves 4 to 6 weeks old, \$3 for bulls and \$25 for heifers. Send cash with order. You will be pleased. W. R. DRAPER, Springdale, Ark.

HEREFORDS.

KLAUS BROS.' HEREFORDS
We have choice young bulls and heifers for sale, sired by Miller 3rd, Fulfiller 25th and Beau Onward. Our best step is the best we ever had.
KLAUS BROTHERS, BENDENA, KANSAS.

STAR BREEDING FARM
HEREFORDS AND DUROCS.

We are offering (40) two year old bulls, 120 lbs. from twelve to fifteen months old. They are right, bred right. Sold singly or in good lots.

SAM L. DRYBREAD, ELK CITY, KANSAS.

DAIRY CATTLE.

FOR SALE 35 choice young Holstein dairy cows, fresh and springing. Special price on Jack Hammel, 215 Adams St., Topeka, Kan.

Holstein-Friesian Bulls
H. N. HOLDEMAN, Meade, Kan.

HOLSTEINS FOR SALE 50 head registered heifers and large bulls, 50 head milking and coming fresh grade heifers and cows.
M. P. KNUDSEN, Concordia, Kansas

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

OAK HILL HOLSTEINS
This ready for spring service by Shadybrook Herben Sir Korndyke out of A. R. O. bulls. Heifers bred. Also a few fresh cows. All tuberculin tested.
BEN SCHNEIDER, NORTONVILLE, KAN.

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

Register of Merit Bull—Jersey
Type. Solid fawn. Son of Flora's Golden Fern, 4 in 1st M. Dam Sultan's Beauty, 512 lbs., 1 year, when 23 months old. \$150.00. Bargain cannot be equalled.
R. J. LINSOTT, Holton, Kansas

HOLSTEINS
FOR SALE: Thirty head extra selected high-grade Holstein cows and heifers. Two registered bulls, "yearlings".
ARNOLD C. BRADY, MANHATTAN, KAN.

GALLOWAYS.

G. E. CLARK, W. W. DENHAM, CAPITAL VIEW GALLOWAYS.
12 Miles West of Topeka.
We furnish car of good bulls ranging in age from calves to 2-yr.-olds. Can suit any wants. Write
CAPITAL VIEW RANCH, Silver Lake, Kan.

GALLOWAY CATTLE and OXFORD DOWN SHEEP
Bred and home-bred, absolutely equal to the best.
C. S. HECHTNER, Box 66, Chariton, Iowa

POLLED DURHAMS.

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

RED POLLED CATTLE.

Red Polled Cattle
Cows and heifers for sale. No bulls over six months. Imported China big type registered fall boars. Write
C. S. MORRISON & SON, Phillipsburg, Ks.

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

SHORTHORNS.

SHORTHORN CATTLE
AND CHINA SWINE and LEVELAND HORSES. All stock pedigreed. Prices reasonable.
Thos. B. Murphy & Sons, Corbin, Kan.

Glenwood Farms Announce

Shorthorn Sale, bulls and cows, June 6, 1913.
We spare no more bred sows. Have a few choice left. Plenty of Shorthorns, always. We build most complete concrete silo set offered the public. Have several on our place. They are a success. Write for particulars. Address,
C. S. NEVIUS, CHILES, KAN.

Pearl Herd of Shorthorns

Young bulls up to 13 months of age, either Scotch or Scotch-Topped breeding. Well grown and in good growing condition. Can ship via C. R. T. & P., A. T. & S. F., U. P., and Mo. Pac. Address

C. W. TAYLOR
ABILENE : : KANSAS

so save enough premium money in a few years to build many thousands of miles of rock roads, to buy a piano for every farm home in the state or to do a great many other costly but eminently worthy things. This company alone, which is only one of 22 farm mutual companies in Kansas selling insurance at cost, has saved to its members more than \$1,000,000 in premium money during the past 15 years. At last report the company had 33,314 policy holders, and the number is "growing to beat the band." As a matter of fact it would pay every farmer in the state to investigate this company's proposition at once.

Would You Like to Save Money?

Are you interested in saving 30 per cent on the price of a hay stacker? By the Sunflower Mfg. Company's method of distribution—direct from factory to you, you can secure a stacker at the regular dealer's price. It is almost like finding money. The old adage, "A penny saved is a penny earned," surely applies in this instance. The Sunflower stacker will save half the time and expense of putting up your alfalfa and hay. It will pay for itself in a very short time. The stacker is well built and is so easily operated that a 16-year-old boy can handle it. Write today to the Sunflower Mfg. Company, 919 Fremont, Manhattan, Kan., and tell them that you "want to be shown" on their stacker proposition.

Cypress—"The Wood Eternal."

There has been issued recently a very attractive pocket library emphasizing the advantages of building with "the wood eternal," that is, with cypress. The book explains the merits of using cypress as a building material and in addition contains a number of plans for building barns, corn cribs, silos, and other outbuildings for the farm. The book should be of interest to every progressive farmer and any reader of Farmers Mail and Breeze who contemplates erecting any buildings this season will do well to secure a copy of this book. Many helpful suggestions can doubtless be secured from the building plans alone. The book is issued by the Southern Cypress Manufacturers' Association, Room 1 Hibernia Bank Bldg., New Orleans, La., and they will gladly send a copy free to any reader of Farmers Mail and Breeze who asks for it.

Florida Has Undiscovered Spots.

If you would see Florida, leave the crowd. The crowd is interested mostly in making two blades of pleasure grow where before there were none. They stay close to the ocean or gulf coast. They come and go knowing as little of the real Florida as do the gulls who are satisfied to keep in flocks and never lose sight of sand or water. True the coast resort towns possess much that is beautiful, but I have seen beauty in Alachua county; palms 40 feet high, live oaks with a spread of over 100 feet, gardens of lilies, roses and flowering shrubs to vie with any I have seen the world through, and with all these something else, something the boom sections have not. A rich loam soil which produces two-thirds of the long staple cotton grown in the United States. This within the boundaries of Alachua county. Nor is this all, on Lake Santa Fe, near Waldo I saw an orange grove owned by the son of Captain Maxwell which netted during the year 1912 \$30,000 from grape fruit and oranges. A bit farther up the same lake I visited Col. McManus who has a 20 acre pecan grove about 15 years old from which he sold in the past three years nearly \$10,000 worth of papershell pecans. Near him is the Baron Von Lutichau with another dividend paying orange grove and one of the most beautiful homes in Florida. Adjoining the Baron I found William A. Bell with 100,000 camphor trees in nursery preparing to start a camphor plantation to produce camphor commercially. All this off on the side where no one goes. Why? Mostly because the land is too good to sell to real estate firms for \$5 per acre to be sold again by them for \$30 or \$40. Waldo, a division point on the Seaboard Airline railway about 50 miles from Jacksonville has not a real estate firm at all and yet if colonizers would only interest themselves in locating their clients in this or some similar locality there would be less disappointment to all concerned. Thackeray Welch in "Everywhere." For particulars concerning these undiscovered spots write T. S. McManus, Waldo, Florida.

Four Big Papers For \$1.10

The Mail and Breeze is enabled to make the biggest clubbing offer it has ever had, and for only \$1.10 will send all four of the following papers for one year each:
THE MAIL AND BREEZE of which nothing need be told our own subscribers or those reading this copy of the paper. It speaks for itself.
THE HOUSEHOLD, a large family magazine, containing the choicest stories and departments of particular interest to lady readers.
THE KANSAS WEEKLY CAPITAL, the oldest and best weekly newspaper in the entire Southwest.
THE MISSOURI VALLEY FARMER, a big monthly farm and agricultural paper which should be read by every farmer. No liquor advertising is printed in any of these papers.
Remember, all four of these big papers will be sent to one address or to four different addresses if so desired for only \$1.10. If you are a subscriber to any one of these papers your time will be advanced another year. You will be supplied with the best class of reading matter for a full year. Don't fail to mention the names of these papers in sending in your order. Send your order to the

Cement Silos Need No Covers

Will you please tell me if a roof for a silo is essential?—J. S. L., Lyon county, Kansas.
A. S. Neale, of Kansas Agricultural college, writes Farmers Mail and Breeze that a cover on a silo is not essential in preserving the silage. It is of value on a wood silo, he says, because of the protection to the building. For a concrete or brick silo a roof is of no particular value, either to the building or to the silage.

C. S. NEVIUS & SONS'
NINTH Annual Sale Shorthorn Cattle



PRINCE VALENTINE 4TH
MANY OF THE COWS BRED TO THIS BULL

Glenwood Farms

1 mi. south of Chiles, Kan.

Friday, June 6

48 HEAD

BULLS—FEMALES

THIRTY-EIGHT females — Thirty pure Scotch of high quality, 15 with calves at foot, balance safe in calf. Eight head consigned by K. S. A. C.

TEN bulls. Herd headers. Show bulls, including Searchlight Jr., the sensational Jr. yearling, Lustrous Light, a full brother to Searchlight Jr., Good Light and White Starlight. There are four \$1,000 bulls in this offering.

GLENWOOD has turned out many good cattle but we never offered a better lot of cattle than these. Be our guests sale day.

Write today for Illustrated catalog.

C. S. NEVIUS & SONS
CHILES, KANSAS

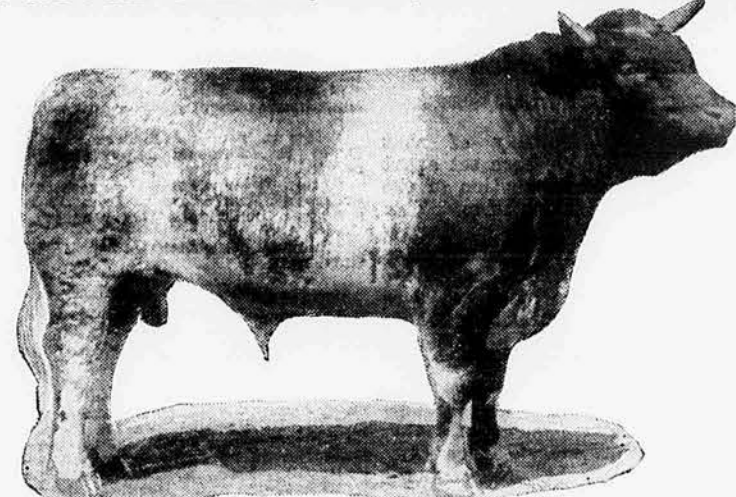
Auctioneers—R. L. Harriman, John D. Snyder, Andy James.



WHITE STARLIGHT
ONE OF THE \$1000 KIND

HOWELL REES & SONS'
SALE OF SHORTHORNS

At SOUTH OMAHA, NEB., Wed., June 11, 1913



RUBERTA'S GOODS.

Ruberta's Goods, the property of Howell Rees & Sons. Got by Golden Goods, a champion by Imp. Choice Goods, the St. Louis World Fair champion and from Golden Abbotsburn, a champion by Imp. Young Abbotsburn the Chicago World Fair champion. Dam, the undefeated champion Ruberta. Combining, close up, the blood of the greatest individuals known in Shorthorn history. Proof of pedigree value based upon outstanding individual excellence of immediate ancestors, in the unbroken line of victories won by him at the American Royal and the International Live Stock Shows, and final proof of the pudding in the record of prizes won on his get in the great Western Shows and State Fairs, stamp RUBERTA'S GOODS, the product of champions, himself a champion, and last but not less, the sire of champions, one of the few very great bulls of the breed.

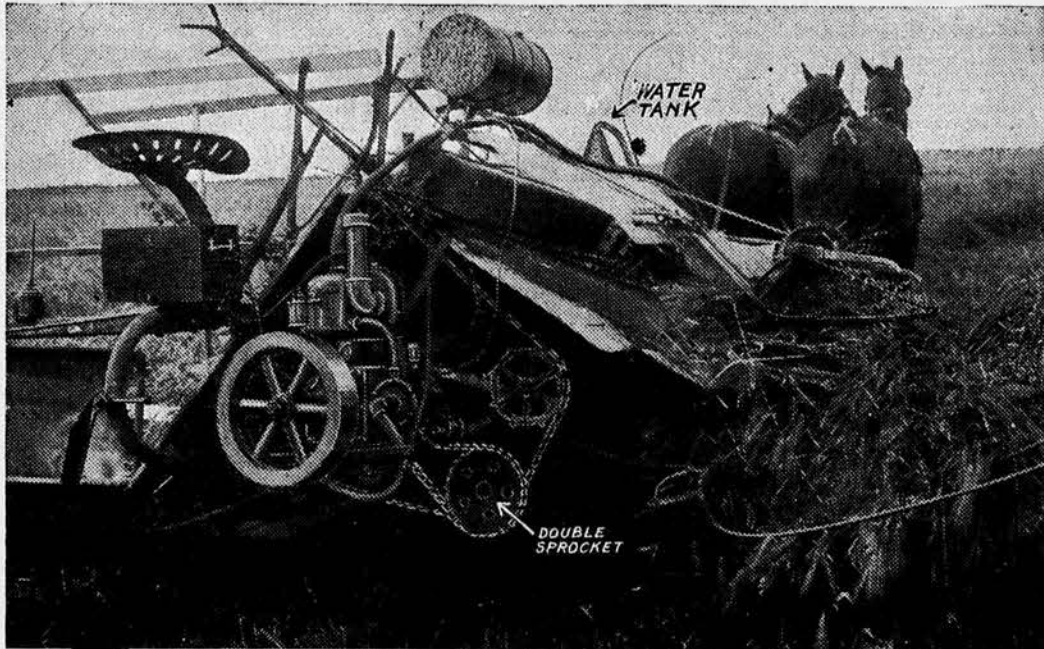
40 COWS—Every cow will be well along in calf or have a calf at foot by the superb RUBERTA'S GOODS excepting his daughters which will be bred to WHITEHALL ROSEDALE a splendid show bull and one of the best sons of the famous Avondale and out of Imp. Rosewood Pride.

6 CHOICE BULLS—Four of them by RUBERTA'S GOODS including Crescent Goods out of Imp. Crescent 8th and Lavender Bud out of Lavender Lady, by the celebrated Choice Goods. Among the bull attractions are Callantype, by the noted Callant, and out of Imp. Rose of Tyne, also, an Orange Blossom calf, by Victor Sultan.

R. E. BALDWIN, of Osceola, Iowa, consigns 8 head including 3 Bulls and 5 cows all exceptionally richly bred representing the best Cruickshank blood lines. Write for the catalogue addressing,

HOWELL REES & SONS, PILGER, NEB.

Col. F. M. Woods, Auctioneer. G. W. Berry, Fieldman.



**Don't Overpull Your
Work Horses
During
Harvest**

**Run
Your Binder
This Year With a
Light Weight 4 H.P.
CUSHMAN ENGINE**

It's the modern way. It gives you more power—more reliable power—smoother, steadier running. Weight only 167 lbs. Two horses with this powerful little engine on your binder are better than 4 horses without the engine.

It Saves a Team

Farm Cushman **The Original Binder Engine**

(Quickly and easily attached. Universal adjustable brackets do the work. Anyone can run this simple 4 H. P. 4 Cycle engine on the binder. Runs the reel and sickle, elevates, binds and delivers the grain. The team simply draws the machine. The sickle continues to run when full wheel skids. The throttling governor, with the Schebler Carburetor, insures even running, no jerk on engine or binder. No waste of fuel.

Cut your grain when ripe—save it all. C. H. Soucek (Tex.) writes: "Cushman engines on our binders saved a 1200-acre crop. Enabled us to harvest in mud and water. I have raised wheat in Kansas and Oklahoma. The Cushman filled the bill on *wet, soft, sandy, hard and rough ground.*"

E. W. Gasser (Illinois) writes: "With the Cushman I cut 8 to 10 acres more with less horsepower. In *tangled grain*, when binder choked, I simply stopped the team and the engine cleared the binder."

SEE YOUR DEALER NOW—WRITE US TO-DAY **Don't Wait Till Harvest. We Cannot Guarantee Deliveries in the Rush Season**

This is a personal appeal to you. Hundreds of farmers were disappointed last year, because they did not get their order in early enough. You need a Cushman if you run a binder. Don't wait a week longer—we can take care of you now, but cannot guarantee deliveries in harvest time. Years of careful study and experiment

are in the Cushman. It meets every requirement of a binder on soft, sandy, hard and rough ground. We were pioneers in building a binder engine. Ten-year guarantee. A Cushman will save time and worry—save horses—and may save your crop. See your dealer. Write us at once, if he does not handle the Farm Cushman.

Remember, the Farm Cushman is an All-Purpose Engine

It is not merely valuable to pump or to run the binder. It is at home any place where you have farm work to do. Hundreds of people are using it to run the grindstone, pump, feed grinder, corn sheller, wood saw, ensilage cutter, separator, washer, electric light plant and other machines. It runs at any speed, throttle-governed type. You can change speed at any time without stopping. Whether the job is 1, 2, 3 or 4 H. P., it consumes just that much fuel, no more. There is absolutely no waste. We build larger, heavier, 2-cylinder engines for heavier duties—6 to 20 H. P. for use in the corn belt, for silo filling, baling, heavy grinding and sawing, for everybody who requires more than 4 H. P. All the efficiency of the famous 4 H. P. Farm Cushman but for heavier and special duties. Tell us what your needs are, then we advise you fully as to engine needed. Don't fail to see the dealer or write us about your binder engine today.

40-page Catalog free. Address

CUSHMAN MOTOR WORKS, 2030 N St., Lincoln, Neb.

Prompt distribution from
Kansas City and Wichita

**Horses
merely
pull the
machine,
engine runs
sickle and reel,
elevates, binds, delivers**

**Read
This**

I think it proper to write a few words of praise about your 4 H. P. Farm Cushman Engine. I honestly think it to be the nearest perfect engine I have ever seen run. For power, steady speed, light weight, economy in use of fuel and for an all-purpose farm engine, it cannot be beat. I used it on a Deering 8-foot harvester this Fall and averaged 20 acres per day, ten hours in the field, at a cost of less than \$4.00 for the ten days for gasoline and oil. Today I ground 125 bushels of this year's oats in five hours, with it belted to a 6½-inch burr feed mill. The burrs were not sharp, either, as they had ground 300 bushels before this. We have a 3 H. P., a 1½ H. P. and a 8 H. P. engine. The Farm Cushman will do the same amount of work as any of the above named and on less gasoline, because of the throttle governor it has. IVER A. MADSON, Wheatland, N. D.

Dry-Farmers to Garden City

THEIR YEAR MEET NEXT WEEK.

Wednesday and Thursday of next week, June 4 and 5, have been set apart for the fourth annual convention of the Kansas Dry-Farming association. This year's meeting will be held at Garden City. Hays has been the meeting place heretofore. Aside from the programs, which on paper are the strongest ever announced by this organization, there are many things to interest a visitor at Garden City. Among them are the Garden City Experiment station, the big beet sugar factory, the irrigation pumping plants, the sugar beet plantations, and Sweet clover farms. Garden City will be a good place for every short-grass farmer to spend a couple of days next week. Some will make the trip in autos and special passenger service on the railroads has been asked for. Three sessions will be held at the convention. The program follows:

WEDNESDAY, JUNE 4.

Afternoon—"The Industrial Club and The Farmer." Walter Carter, president, Garden City Industrial Club.
"Sweet Clover." Dr. J. J. Haskell, Garden City, Allen Brothers, Lakin, E. G. Flinnup, Garden City.
"Farm Practice, Soil Cultivation and The Prevention of Soil Blowing." Dean W. M. Jardine, Director Kansas Experiment station, W. W. Burr, U. S. department of agriculture, J. E. Cole, U. S. department of agriculture.
"The Grain Sorghums in the Great Plains Area." H. M. Cottre, Agricultural commissioner for the Rock Island railway. George K. Helder, superintendent Hays Experiment station.
"Silos for The Dry and Farmer." H. M. Bainer, agricultural demonstrator for the Santa Fe railway. G. C. Wheeler, Kansas Agricultural college.
Evening—"Co-operation and Farm Loans." H. J. Waters, president Kansas Agricultural college.

"The Farm Adviser and The Farmer." E. C. Johnson, director farmers' institutes, Kansas Agricultural college. G. E. Thompson, district farm adviser in southwest Kansas.

"How to Establish a Tree Planting Farm." B. H. R. Allemand, supervisor U. S. forest service.

"The International Dry-Farming Congress and Exhibition." John T. Burns, secretary International Dry-Farming Congress, Tulsa, Okla.

"Pioneer Experiences." I. L. Diesem, Garden City.

THURSDAY, JUNE 5.

Afternoon—"The Importance of the Dairy and Good Dairy Cows." O. E. Reed, professor of dairy husbandry, Kansas Agricultural college. T. A. Borman, Topeka, Kan., Louis Kraus, Hays, Kan.

"Pumping Plant Irrigation." H. B. Walker, irrigation engineer, Kansas Agricultural college, E. Stockley, master mechanic, U. S. Sugar and Land company, Garden City, Mr. Hine, president state irrigation commission, Scott City, Kan., A. Towles, Garden City.

"Breeding and Feeding Livestock for western Kansas." W. A. Cochel, professor of animal husbandry, Kansas Agricultural college, E. J. Guilbert, Wallace, Kan., George F. Wilson, Grinnell, Kan.

Use Road Oil For Chinch Bugs

The latest discovery for the extermination of chinch bugs is a certain kind of road oil. The men who are fighting this pest at the Kansas Agricultural college believe this oil to be more effective than the tar now used in trenches. While a great many chinch bugs have been destroyed this spring by the frequent and early rains in Kansas, there are millions of them in the wheat fields ready to move into the corn.

As this oil is not manufactured for the general market and can be bought only by the carload, farmers' associations, granges, unions, institutes, and commercial clubs should undertake to rid their districts by means of this oil by ordering in large quantities. The cost for the oil

would be about 6¼ cents a gallon f. o. b. Kansas City. In order that these different organizations may purchase any amount they desire, J. H. Miller, dean of the college extension division at Manhattan, will undertake to order a carload sent to some central Kansas town from which distribution to local organizations may be made. The farmers should decide at once the number of barrels they need and send their orders to Dean Miller.

Are Carlots of Grain Too Small?

For about 15 years the minimum weight of a carlot shipment of grain in Kansas has been 500 bushels. In the meantime the capacity of freight cars has been increased from 80,000 pounds to 80,000 and 90,000. The smallest car now in use has a weight carrying capacity of 50,000 pounds, or 833 1-3 bushels of wheat, but the roads are permitted to carry only about half as much grain as may be loaded in an average car. The probability of a heavy crop movement this fall and a shortage of cars has impelled Kansas railroads to ask the Public Utilities commission for an order permitting the roads to increase the weight of carlot shipments of grain from 500 bushels to 833 1-3, or from 30,000 to 50,000 pounds.

The commission has set the hearing for 10 a. m. Wednesday, May 28, at Topeka, and will investigate the car shortage situation at the same time. Any reader of the Mail and Breeze who can give the commission any information, or assistance, is requested to write or communicate with W. P. Feder, secretary of the commission, at Topeka.

How to Get Your Auto Tag

Secretary of state Charles H. Sessions has received word from the factory that the Kansas automobile and motorcycle tags will reach Topeka next week. This means that he can begin handling applications for tags by June 1. The tags will be good until July 1, 1914.

To get a tag application must be made to the county treasurer, who will have the blanks. No application nor money can be received by the secretary of state direct from the owner.

If convenient, apply to your county treasurer in person, pay him the fee and have him fill out the application. If not convenient go to the county seat, ask your home editor, garage owner or dealer for a blank, fill it out in full carefully, and mail it to your county treasurer with \$5 if for an automobile tag and \$2 if for a motorcycle tag.

Write your name and address plainly.

The county treasurer will send you a receipt which will be good as a license until July 15. The tag will be sent you direct from the secretary of state's office by parcel post upon receipt of the application from the county treasurer. At the same time, a license card, together with full copy of the new automobile law containing road rules will be sent you by first-class mail.

Practically all of your money is to be kept in your county and used for maintenance of the roads. Automobile owners should see that the money is spent for that purpose only.