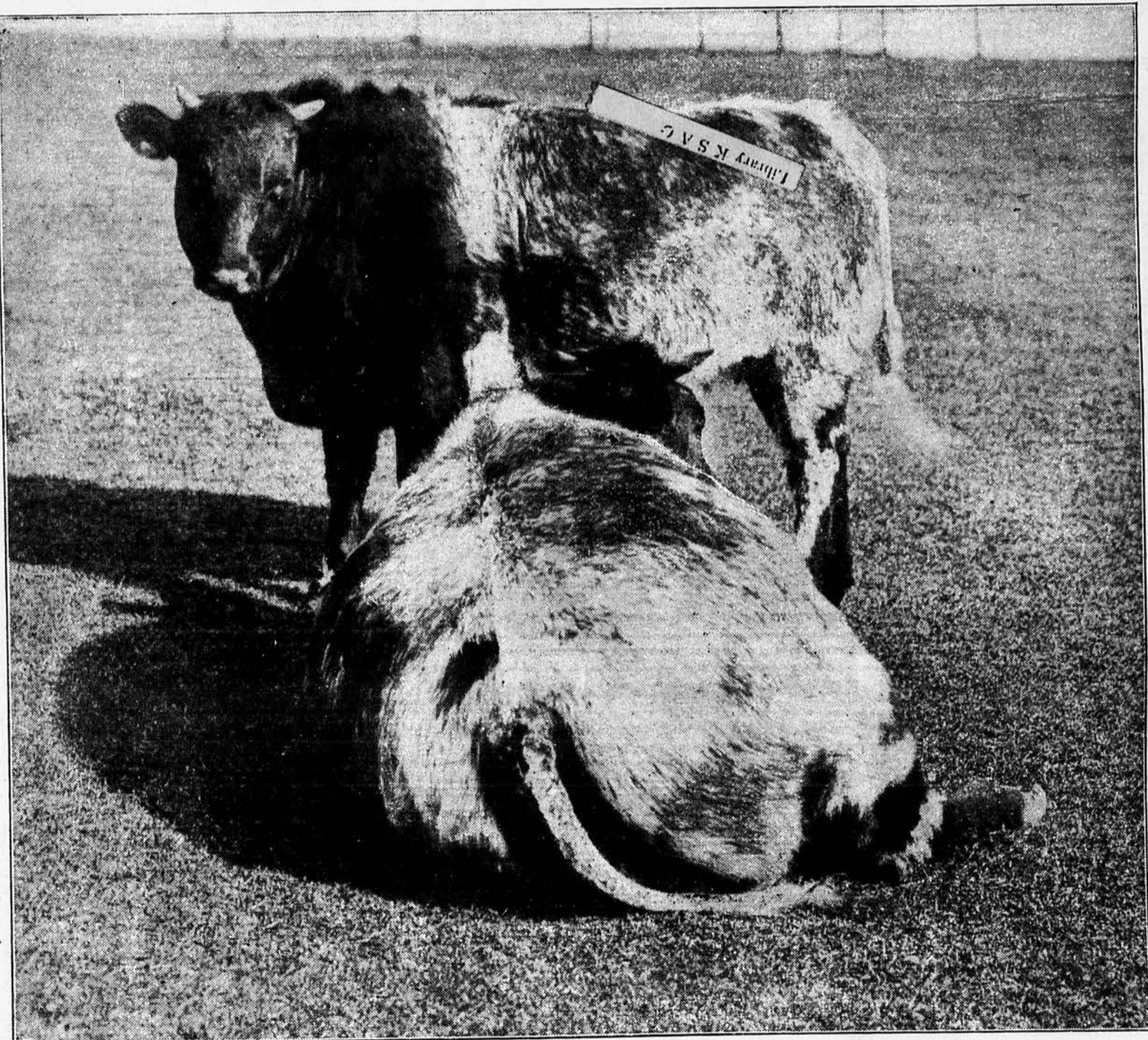


# THE FARMERS MAIL AND BREEZE

Volume 42

August 17, 1912

Number 23



*Two Shorthorn Heifers of the Grain Belt Which Show Strong Beef Quality*

**W**HY not a few good beef cattle on every farm in the grain belt? The big shortage in beef we have talked about for years is here. It is not likely we shall ever again see cheap beef. In this part of the grain belt we produce the greatest variety of the best beef-making material at least cost. Isn't this the time, place and opportunity to make these advantages count? The Mail and Breeze wants your opinion on this subject.

**Double the Rural Route Circulation of Any Kansas Farm Paper**



## No-Rim-Cut Tires 10 Per Cent Oversize

### 100,000 New Cars This Year Go Out With Goodyear Tires

For the 1912 season, 127 motor car makers contracted for Goodyear tires.

They will equip with these tires over 100,000 of the new-model cars. In addition to that, tens of thou-

sands of motorists are putting these tires on their old cars. We shall need to make a million tires to meet this year's demands.

All because No-Rim-Cut tires have wiped out two big items of expense.

### Stopping All the Waste

Suppose that another tire, in quality, equals No-Rim-Cut tires.

There is none which does. But that is a fact which time alone can prove.

Let us deal only with savings which you can see.

#### Rim-Cutting Wastes 23 Per Cent

Men waste, on the average, 23 per cent by using tires which rim-cut.

For 23 per cent of those tires become rim-cut, as shown by careful statistics.

Some are wrecked in a moment, when punctured and run flat. Some are slowly wrecked by being partly deflated. And a rim-cut tire is beyond repair.

No-Rim-Cut tires end this loss entirely. You can see this at a glance. In all the record of this patent tire there has never been an instance of rim-cutting.

#### Skimpy Tires Waste 25 Per Cent

No-Rim-Cut tires, to avoid overloading,

are made 10 per cent over the rated size.

That 10 per cent oversize, under average conditions, adds 25 per cent to the tire mileage.

This oversize takes care of your extras. It saves the blow-outs due to overloading.

To go without it means an average addition of 25 per cent to your tire bills.

These are two features which you can see. And the two together—No-Rim-Cut and oversize—mean an average saving of 48 per cent.

#### Proved by 1,374,365 Tires

Over a million and a quarter of these premier tires have now gone

into use. They have been tested out by not less than 200,000 users.

As a result, these tires outsell every other tire in existence.

The demand has trebled in a single year. It is twelve times larger than three years ago.

That is positive proof that these patent tires have fulfilled our claims. They will do the same with you.

They will end rim-cutting forever. They will avoid overloading. In these ways alone they will nearly double the mileage obtained from old-type tires.

Remember these facts when you next buy tires.

**GOODYEAR**  
AKRON, OHIO  
**No-Rim-Cut Tires**  
With or Without Non-Skid Treads

Our 1912 Tire Book—based on 13 years of tire making—is filled with facts you should know.

Ask us to mail it to you.

### THE GOODYEAR TIRE & RUBBER COMPANY, AKRON, OHIO

Branches and Agencies in 103 Principal Cities More Service Stations Than Any Other Tire  
We Make All Kinds of Rubber Tires, Tire Accessories and Repair Outfits

(754)

## What Farmers Are Thinking

You are cordially invited to air your opinions in this column, but the Mail and Breeze reserves the right to condense such statements as far as possible to give other contributors a chance to say something. Short, crisp expressions of opinion on matters of interest or consequence to farm folks are welcome. All contributors must take their turn.

#### Why They Do Not Finish School.

Mr. Editor—I have read the school letters published in the Mail and Breeze and written by Mrs. Burton, Mr. Ross and Mr. Harrison. They were instructive and interesting. I like the plea for better school buildings in the rural districts, but also let us have better school grounds and means for amusement. The grounds in the rural districts are too small to permit of a variety of games. The running games used to be played in the road in front of the school house

but since the coming of the automobile the public highway is almost as unsafe as the railroad. I wish the pupils might have a vaulting pole, several swings, croquet sets, a swing pole, basket ball fixtures, two or three tents, etc. The high tents would give the pupils opportunity to get out of doors in rainy weather. The child that plays hard is usually a good student, and the cheerful child usually a bright child.

I think the minimum term responsible for the fact as stated in Mr. Harrison's letter, that only 25 per cent of the pupils who enter the country schools finish, while in town 50 per cent finish. If a child starts in the graded schools at 6 years of age and quits at 15 he gets nine years of school training. If he attends a country school of seven months' term, he lacks 18 months, or more than two and one-half school years (minimum term) of having as much schooling as the city child who has attended the nine month terms. No wonder people get the idea that their children advance faster in the city schools. It seems to me that a uniform term is the solution of this problem. I hope some day to see the adoption of a good grammar which will be authority in all

schools and colleges. The English language is very important. When one generation after another of bright young men declares that what he gains from the study does not compensate him for the great deal of time he spends upon it, there is something wrong.

Mrs. Frank Calvert.

Elmdale, Kan.

#### Job Didn't Do It.

Mr. Editor—In your paper of July 27 you say "Job cursed God." Please correct that statement, as it is false. Job's wife advised him to curse God and die, but Job said, "Thou speakest as one of the foolish women speaketh. What! Shall we receive good at the hand of God and shall we not receive evil?"

"In all this did not Job sin with his lips."—Job 2:9 and 10. In the Bible Job is represented as a perfect man, one who loved righteousness and eschewed evil.

Milton, Kan. J. R. Haven.

[Evidently Mail and Breeze folks read the Bible, for a dozen of them "spotted" this slip of a staff editor.—Ed.]

#### The Only Man for Governor.

Mr. Editor—The readers of the Mail and Breeze have reason to be proud of

their choice for governor. The fact that Arthur Capper carried every county in the state but one and that he led his party's ticket in precinct after precinct indicates to me that Kansas, irrespective of party, recognizes his fitness and qualifications for the place and will vote for and elect him in November. The farmers are all for him and even in the cities he got the most votes. Kansas has only one real candidate for governor this year and his name is Capper.

B. O. Williams.

R. 1, Alma, Kan.

#### Distribute the School Money.

Mr. Editor—One of the writers in the Mail and Breeze of August 3 said, "The present efficiency of our school is not on account of system but in spite of it."

Who doubts this? But why have any county director or board of county directors, when taxes are levied with the county as a unit? Let the taxation be divided or distributed by the present county officers and each district elect and operate its own school in a democratic manner as becomes a democratic republic.

Education is not acquired more quickly in silks or broadcloths than in woolen or overalls; neither will an expensive brick, a majestic marble nor a gilded bronze school house, filled with system on top of a systematized system produce better scholars.

The inequality of taxation is apparent on every hand, from the school district up through the county, state, nation and the world; it is as old as history and as young as each morning's sunrise. It has been a constant question wherever civilization has produced any liberty—where the citizen has enough freedom to think a few independent and liberal thoughts. Yet it ought to be easy to solve by a reasonably intelligent people.

Let us advocate that mothers teach their girls to cook and sew at home; that work, not idleness, is the more preferable accomplishment; that the boy be taught industry and frugality at home, and also, but not least, be taught the use of tools.

All educational fads are not with us to stay—consolidated school districts are not as yet proven to be better than the single-roomed school house so much derided by a certain class of writers.

After all, has not the one-roomed school house, said to have the poorest teachers, proven the greatest boon to our civilization? Has it ever been really surpassed as an educational institution or is it likely to be by imperialistic ideas in school practice; that is, where the months of school are the same?

I would give the one-roomed school house with all the grades and its poor teacher a permanent pedestal in a world-wide hall of fame and lift my hat to it as the best that we have to offer a benighted world.

James A. Merida.  
Gem, Kan.

#### Call a Farm Conference Fair Week.

Mr. Editor—I am an admirer of Farmers Mail and Breeze and count it one of the most valuable publications that come to my home. I am a farmer and interested in the things that concern those who make their living out of the soil. I suggest there be a conference of farmers called to meet in Topeka during fair week to discuss means and measures pertaining to the agriculturists' welfare and the advisability of organizing some kind of a society looking to the benefit of the farmer. Nearly all lines of business are organized, why not the farmers? I don't know who should take this matter up, whether the officers of the State Fair association or someone else, but I believe something along this line should be done, and such a meeting could be made mutually beneficial to the fair association and to the Kansas farmer.

Hoping someone will take it upon them to start the ball rolling, I remain,  
R. T. Black.

R. 2, Admire, Kan.

[The Farmers Mail and Breeze of August 10, page 24, published a notice of a farmers' state conference to be held at Hutchinson the third week in November, this year. However this need not interfere with a meeting at the State Fair, as proposed by Mr. Black. Set a day, and a little personal work on the grounds should insure a fairly good meeting that might result in a permanent organization.—Ed.]

Trial trip until January 1, 1913, for 25 cents, Mail and Breeze, Topeka, Kan.





# THE FARMERS MAIL AND BREEZE

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



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\$1.00 a Year

## A GRAIN BELT BEEF FACTORY AND HOW IT IS OPERATED

**P**ASSENGERS riding on Rock Island trains passing Maple Hill, Kan., have their attention attracted to four huge funnel-shaped structures standing on a rise to the north of the railroad like the smokestacks or funnels of some monster ocean-going steamer. They cause much speculation and questioning among travelers from the city but the Kansas livestock man, looking out of the car window, is not slow to recognize his new found friend, the silo, in these objects of curiosity.

To build four silos with a total capacity of 2,000 tons of feed at a cost of \$3,200, would seem to call for no small amount of faith in silos and silage. But Horace G. Adams, one of Kansas' most extensive cattle feeders, has that much silo faith and more. This battery of four concrete silos which he has just finished is probably the largest west of the Mississippi river if not in the whole country. In a few weeks he expects to fill them with corn and Kafir silage which is to be turned into high-priced beef during the coming winter.

The Adams silos are of the solid wall or monolithic type of reinforced concrete construction. Their inside diameter is 20 feet. They are 60 feet high. The walls are 6 inches thick and set into the ground 5 feet, on a concrete footing 12 inches deep and 30 inches wide. The earth floor is left uncovered. The silos were built by contract and the same contractor has 11 gangs of men putting up 100 other silos of the same type in various parts of the state.

Sand and gravel were hauled from the Kaw river bed near by and these were mixed with cement in the proportion of 1 part cement, 2 of sand and 3 of gravel. A concrete mixer operated by gas-engine power made short work of that part of the job. Cold, twisted iron bars bent to conform to the circle of the wall were used for reinforcing, the bars in the lower 24 feet being  $\frac{5}{8}$ -inch in size, and  $\frac{1}{2}$ -inch above that.

A mast set up inside the silo, well guyed and provided with an arm and block and tackle, was used in hoisting the concrete and in lifting forms. For doors, oval-shaped openings were left at intervals of about 5 feet. These openings are 20 inches wide by 30 inches high. A similar opening in each silo near the top will receive the silage spout from the cutter at filling time. Disks made of No. 12 steel and furnished with loop bolts will be used to cover the openings from the inside. The hoop bolts will keep

*The Way Beef is Made on the Hoof at the Adams Ranch in Wabaunsee County*

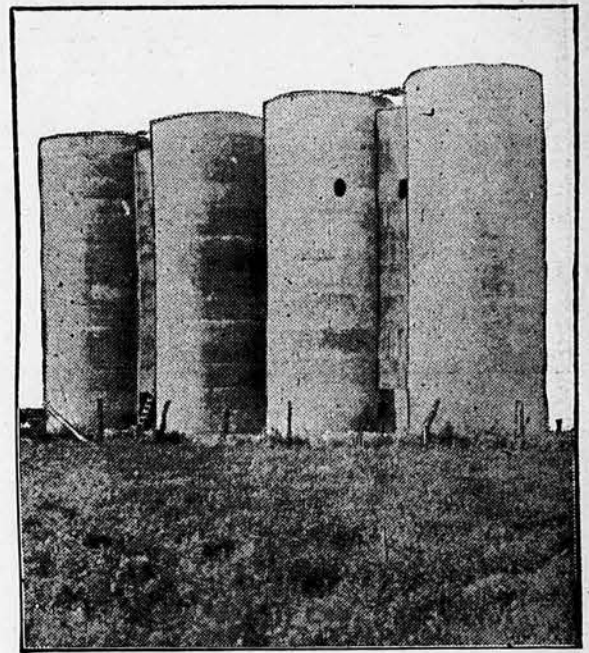
**BY A. G. KITTELL**  
*of the Mail and Breeze Staff*

the disks from slipping and the outward pressure of the silage holds them in place. The silage cutter will be operated by a 35-horsepower steam engine.

The silos are built in pairs, standing just far enough apart to admit a wagon between them. The doors of each pair face together so that one chute may be used in common for each two silos. These chutes connecting the two silos also are built of solid reinforced concrete. In taking out the silage it is simply pitched into the chute from either side and caught in the wagon box below. One ladder is made to answer for each pair of silos by setting iron rods into the concrete up the center of each chute. The silos have no roofs.

It was the high price of corn and hay that made Mr. Adams decide to build these silos and to adopt more economical methods of fattening cattle. It goes without saying that 2,000 tons of silage put up on the place will cut down a feed bill considerably, even where feeding operations are carried on as extensively as on the Adams ranch. The silage will be used to replace both corn and hay as well as other concentrates, but Mr. Adams does not propose to include silage in his full-feeding rations unless alfalfa hay should be hard to get. For full feeding he finds the following daily ration gives the best general results—corn and cobmeal 26 to 27 pounds, cottonseed meal 5 to 6 pounds, and as much hay as the steers will eat. This is for strictly dry-lot fattening. It is Mr. Adams' plan to use the silage more for a maintenance ration and preparatory feeding rather than as a finisher. He expects to feed about 40 pounds of silage per steer daily and a small amount of some concentrate, either cottonseed meal or corn. If cottonseed meal, he thinks  $2\frac{1}{2}$  pounds will balance the ration.

Silage feeding is still somewhat of an unknown quantity in the Adams feeding program so far as actual experience with it is concerned, and it is very probable that some changes from the foregoing plans

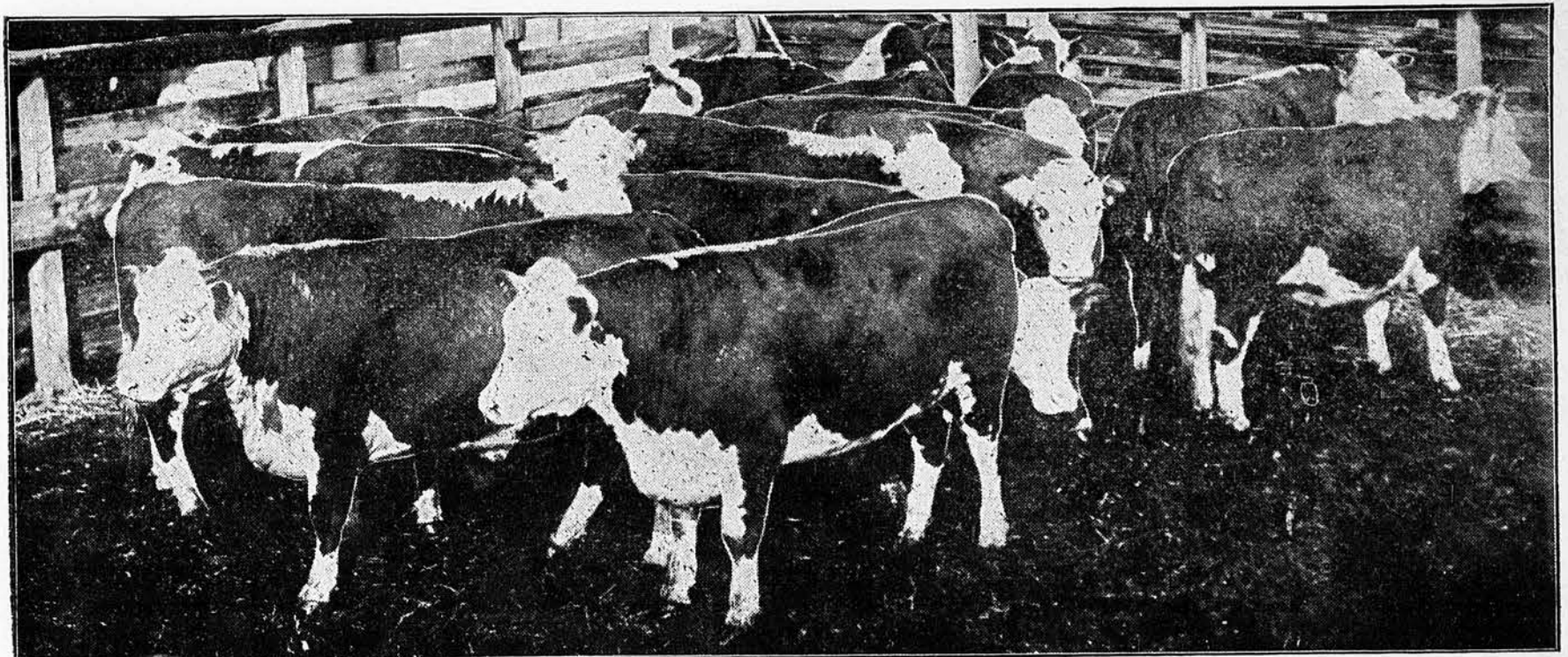


Mr. Adams's battery of four giant silos to be filled in a few weeks with 2,000 tons of corn and Kafir silage, which is to be turned into high-priced beef during the coming winter.

will be found expedient after getting the new feeding operations under way. But of the general outcome of silage feeding to beef animals, Mr. Adams has not the slightest doubts. He has made too thorough an investigation of its merits for that.

The corn and cobmeal fed is ground on the place. An elevator is operated in connection with the mill and a huge concrete grain tank is being built at the present time in which to store the ground feed. Mr. Adams has bought as high as 100,000 bushels of corn in a single season and his alfalfa hay bill also mounts up into the thousands of dollars annually. This is where he expects the silage to make its

(Continued on Page 9.)



This shipment from the Beef Factory was awarded the earlot championship at the 1911 Royal. The cattle were bred in Meade county by Adams & Robert and fed on Mr. Adams's Wabaunsee county feeding farm. Their average weight when marketed was 1,326 pounds.



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

### SPECIAL NOTICE TO ADVERTISERS.

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



**PASSING  
COMMENT**  
by  
**T. A. McNeal**

### THE FARMERS' CANDI- DATE FOR GOVERNOR.

Breeze are as pleased over the fine race for the governorship that Mr. Capper made at the primary as we are, here at headquarters, and we are feeling very cheerful. It was undoubtedly due to their loyal support of his candidacy and that of other farm folks in Kansas, who believe in him and the things that he stands for, that he carried every county in the state except Leavenworth, the home of his opponent, Frank J. Ryan. He also carried 90 per cent of the townships controlled by the farmer vote, besides sweeping the state as a whole in as clean a canvass as any candidate ever made or any state has ever seen.

While Mr. Capper led his ticket handsomely in numerous instances in town and country his majorities were invariably larger in the farming districts, and it is plainly apparent that it was the farmers of Kansas who brought about his nomination and that they are behind his candidacy. It is a kind of support, too, that will stick.

In the country districts, in many townships, Mr. Capper received a greater vote than his Republican opponent, Frank J. Ryan, and all three Democratic candidates for governor combined.

In Blaine township, in Clay county, for instance, Mr. Capper received 66 votes, Ryan received 5, Hodges 14, Jackson 2, Billard 2.

In Prairie View township, in Atchison county, Mr. Capper received 19 votes and Ryan 3.

In Farmington township, Atchison county, Mr. Capper received 37 votes and Ryan 7.

In Centerville township, Linn county, Mr. Capper received 24 votes, Ryan 5, Hodges 6, and Jackson 1.

In Asherville township, Mitchell county, he received 60 votes and Ryan 5.

In Colfax township, Wilson county, Mr. Capper received 54 votes and Ryan 3.

And in a long list of other townships the vote ran about this way.

It is apparent that Mr. Capper is that rarity, an actual farmers' candidate, and as such his success at the primary proves what the farmers of Kansas can do in state or county affairs when they act unitedly by getting behind the man or men they approve of.

### PARTY

### PLATFORMS.

I said last week that I was waiting to see what the new party would put out in the way of a platform at Chicago. I have read pretty carefully the new platform and will say that while it may not be the best platform ever put out by a political party, I believe that it is the most advanced and altogether the best platform ever put out by a party

that had a chance for success at the polls. For while at this time it seems that the Democratic party has the better prospect of winning in November, it is not a walkaway.

The contest in November will be between Wilson and Marshall, and Roosevelt and Johnson. I do not believe that Taft will carry the electoral vote of more than two or three states and there is no certainty that he will carry even that many.

The other day I was talking with Victor Murdock, congressman from the Eighth congressional district who within the past two months has been campaigning in the states of Pennsylvania and New Jersey.

"Some people may call me crazy," said Victor, "but my opinion is that Roosevelt will win the election in November. Insurgency is new in such states as Pennsylvania and New Jersey. Out here we have gotten used to it. The prairies have been burned over several times and we have settled down to it as the regular thing. There is no longer left the material for a wild prairie fire. In Pennsylvania and New Jersey, boss ridden for years, dominated by a small crowd of professional politicians who have dictated party policies and selected the candidates without consultation with the masses of the voters at all, the grass has been growing high, dry and unburned. The fire there has just fairly started and will sweep the state.

"When Roosevelt came into Pennsylvania a few weeks before the date for the Republican national convention Boise Penrose was serene and confident. He did not believe that it was possible to change the old order in Pennsylvania. There of all the states in the Union the old methods seemed best entrenched and yet within two weeks Penrose was unhorsed, his machine broken to pieces and he only permitted to have any say at Chicago by virtue of a vicious system that allowed the old national committee to control the organization of the new national convention. The fire of insurgency, of revolt, is sweeping over staid New England and the great central states like Ohio, Indiana and Illinois."

Victor may be right. That there are millions of people in this country who have lost faith in the old parties is without question. The platform promulgated at Chicago will appeal to them and so will the candidates.

Whatever you may think about Roosevelt or whatever I may think about him does not alter the fact that he is, with the possible exception of Mr. Bryan, the most popular personality in the United States. Mr. Wilson may be and probably is a better man than Roosevelt. My belief is that he is an excellent gentleman, a profound scholar and a conscientious student of public affairs, but his personality does not and will not appeal to the average man as will the personality of Roosevelt.

This fact is likely to become more apparent as the campaign proceeds. Wilson's support will be a negative support. He cannot warm the cockles of the hearts of his followers. He is not the sort of man that other men will get up and yell for and toss their hats in air when they catch sight of him. And the platform he stands on will not appeal to the masses of the voters, the people who are longing for a new era, a readjustment of conditions, as will the platform of the new party.

The Baltimore platform is cumbersome and tiresome. It is not clear cut and definite when it comes to the things that the people are thinking most about.

Take the plank concerning the currency. It declares opposition to the Aldrich plan and then trails off into meaningless phrases. It is a plank that will satisfy neither the advocate of the Aldrich plan nor those who are opposed to that plan.

Contrast that with the plank in the Chicago platform which reads as follows:

We believe there exists imperative need for prompt legislation for the improvement of our national currency system. We believe the present method of issuing notes through private agencies is harmful and unscientific. The issue of currency is fundamentally a government function and the system should have as basic principles soundness and elasticity. The control should be lodged with the government and should be protected from domination or manipulation by Wall street or any special interest. We are opposed to the so-called Aldrich currency bill because its provisions would place our currency and credit system in private hands not subject to effective public control.

That is a definite, snappy statement that will appeal strongly to those who believe that a change of our currency system is necessary before the people of this country can have permanent prosperity.

When it comes to the question of the control of the great trusts or corporations the Democratic party is apparently hopelessly divided. Mr. Bryan says they must be destroyed. The report of the Democratic house committee, headed by Congressman Stanley, seems to take the same position. Some leading Democrats want to leave the matter of regulating trusts to the various states. Governor Wilson in his speech of acceptance takes a much broader and I think more statesmanlike position than either Bryan or Stanley or any of the others. It is really very little different from the position taken by Roosevelt or by the Chicago platform, and that is, that great combinations of capital are not in themselves wrong but what the people have the right to complain about is the abuse of power on the part of these great corporations and combinations.

Wilson is in favor of effective control, not destruction, and that is the position taken by Roose-

velt and the Chicago platform. The people, however, will be inclined to have more faith in the effective control under the new party than under the Democratic party with its leadership apparently hopelessly divided on the subject.

The trouble with the Democratic party is that it still clings to the old fetish of states rights. The Democrats of the old school are reluctant to admit that our modern industrial development has nearly obliterated state lines and that our great problems have now become national problems.

Our railroads stretch from ocean to ocean. It is idle to talk about giving each state the right to regulate these great lines of transportation independently of any other state. Our other great industrial concerns are also nation-wide and must be dealt with on a national basis.

All along the line the platform adopted by the new party at Chicago seems to me to be much more progressive and more positive than either of the platforms adopted last June, the one at Chicago and the one at Baltimore.

I observe that the editor of the Appeal to Reason warned his readers some time before the Progressive party convened that there would be a most gigantic theft of Socialistic principles attempted.

The Appeal is wrong. There can be no such thing as a theft of principles. No party has a patent or copyright on principles. My understanding is that patents are not granted on principles, anyway, but on the application of principles. If a principle is just it belongs alike to every human being. No political party has any right to say, "You have no right to advocate a just principle of government unless you advocate it through our party."

One criticism that I have had for Mr. Bryan is that he talks as if certain principles and theories belonged to him. They do not, neither do they belong to the Socialist party or to any other party. If Mr. Bryan happened to discover a correct principle and advocate it before any considerable number of his fellow citizens thought about it, he is to be congratulated for being an advanced thinker, but the principle doesn't belong to him.

If Socialists have advocated some theories of government in advance of other political parties and have been the means of bringing some truths to public notice, they are to be congratulated, but they have no proprietary interest in truth and they are foolish to claim it.

Any political party has a perfect right to advocate any correct governmental policy. It is up to the individual citizen, then, to select for himself the party that he believes will come nearest carrying the policy into effect.

If it were not for one thing I would be inclined to think there is a strong possibility that Victor Murdock may be correct in his guess that Roosevelt will win in November. That thing is the widespread belief that Mr. Roosevelt is at heart a dictator and that if elected he would follow promptings of his own will rather than the wishes of the people who elect him. The people who think that way are partly right and partly wrong.

Mr. Roosevelt is the most colossal egotist of the age. That he is a man of vaulting ambition there is no doubt, but along with his colossal egotism Roosevelt has the most marvelous faculty of sensing the trend of popular opinion of any public man of this generation. He is not a moulder of public opinion, but he can catch the drift of it more readily than any other man of his generation.

A man of Taft's bent of mind does not discover the way the public procession is headed until it has passed over him. Roosevelt sees the procession coming from afar and goes out to meet it and assumes the leadership. Great egotist that he is, he knows as well as any man living that there is one thing that is infinitely more powerful than any individual, not excepting himself, and that is public opinion when once moved to action. Against that sort of a tide individuals are as powerless as the straws that are swept along by the mighty wind.

Mr. Roosevelt understands perfectly well that public opinion in this country would not stand for a permanent dictator. The movement that is stirring the public mind as it has not been stirred for half a century is a movement toward a more perfect democracy, not toward a dictatorship. Mr. Roosevelt's ambition is to lead that movement, not to oppose it.

### THE PROHIBITION PLATFORM.

A subscriber away back in Ohio writes complaining that I have not mentioned the best one that has been promulgated.

I will admit without argument that the platform put out by the Prohibition party is a fine document. As a declaration of principles it will compare favorably with any platform that has been issued. The delegates who made up that platform would probably rank higher in personal character on the average than the delegates who have met in any other convention this year. They were people of high ideals and clean lives.

However, the Prohibition party has been in existence for a generation. It was holding national conventions when men who are now on the borders of old age were little boys. As a political party it has shown no growth. It polled nearly twice as many



votes 28 years ago as it did four years ago or as it will probably poll this year.

What is the trouble? The sentiment in favor of prohibition has grown tremendously during the past 28 years, but the Prohibition party has made no growth at all and seems even to have grown weaker. It is evident that there are millions of people who favor the abolition of the liquor traffic who believe that it can be accomplished better through other agencies than the organization of a political party.

Possibly they are mistaken. I will have no quarrel with the gentleman who writes the letter. I will admit the high character of the men and women who make up his party and the high character of the platform adopted. I have simply not been convinced that I could do most good for my state and country by voting with that party. If the writer of the letter thinks so that is what he ought to do.

I want to impress on the mind of every reader first that he resolve to cultivate a love of justice and truth and righteousness and to do what he can to help along the adoption of those principles into his government, state, national and local. I want him to endeavor to disabuse his mind as far as possible of prejudice and superstition. I want him to give the best thought there is in him to the study of problems of government, and I want him to study the questions with open mind, with charity for the opinions of his fellowmen. Then when it comes time to vote I want him to obey the dictates of his enlightened conscience as a sovereign American citizen.

If he conscientiously believes that he can best serve his country by voting the Prohibition ticket, he should do so. If he believes that he can serve his country best by voting the Democratic ticket, that is the ticket he ought to vote. If he believes conscientiously that it is for the best interests of the country that the new Progressive party prevail, he should vote that ticket. If he thinks that the Socialist party offers the best solution of the problems that confront us, let him vote the Socialist ticket, and if he believes that he can serve his country best by voting for Taft, let him vote for Taft.

I will have no quarrel with any man who tries to do his duty as an American citizen honestly and conscientiously and with an open mind seeking the truth.

**TO STUDY**

**PUBLIC QUESTIONS.**

A few evenings ago a few persons met together in Topeka for the purpose of discussing the feasibility of organizing a non-partisan league with branches scattered about over the state of Kansas and perhaps other states.

The object of the organization would be to discuss and gather information concerning public questions; such, for example, as government ownership of railroads; the money question; conservation of resources; co-operation; proper manner of dealing with great trusts or corporations; best method of solving the liquor problem, etc.

The plan is to make the league absolutely non-partisan, so that people of all political beliefs will be entirely free to join and express their views, the object being to get at the truth.

Now, I do not know whether such an organization will appeal to the readers of this paper or not. I know that most of them are busy with other matters and may not feel that they have the time to attend the meetings of an organization of this kind. It seems to me that an organization of this kind might be of considerable benefit if people will take an interest in it. Unless they do take a general interest in it, it will not be of much benefit.

I am not going to urge you at all, but if the general plan appeals to you and you are enough interested so that you would be willing to help start an organization of that kind in your neighborhood I would be glad to have you write and say so. It should be distinctly understood that it is not to be started in the interest of any political party or of any particular candidate.

**WHAT**

**BOTHERS HIM.**

"Just about the time that I think I'm ready to settle down on a theory and say, 'That's right and there ain't no further doubt about it', something is apt to sort of upset me and leave me in an uncertain state of mind," remarked old Cy Plunket as he whetted his knife on his shoe preparatory to attacking a piece of pine board.

"Now, fer instance, I was talkin' with Doc Crumbine t'other day about sanitary business. Doc has given that matter a lot of study and puts up a fine argument for his theory. He drove the common drinking cup out of the cars and has just about put the roller towel out of business.

"Doc had a lot of figures to prove that death lingered in the common drinking cup and the roller towel, also the transmitter of the telephone, and a lot of other things. In fact he made it evident to me that the chances are mightily against any human bein' escapin' the attack of a deadly microbe somewhere along the line. If he misses it one place he is likely to get it in the neck just around the corner where a whole regiment of microbes is waitin' for him.

"Doc's theory looks reasonable but as I was goin' home thinkin' the matter over I passed the place where the Bingo family lives. I will call 'em the Bingo family although that ain't their real name,

which I don't care to mention, on account of their huskiness and inclination to resent personal allusions.

"Well, them Binges have certainly violated every rule of health that Doc Crumbine laid down to me. They haven't one of 'em taken a bath to my knowledge since they begun livin' here and that was 15 years ago. And when they came they didn't give no evidence of ever havin' performed no ablutions previous thereto. You can smell the Bingo premises for a quarter of a mile when the wind is right. Now according to Doc, all of them Binges ought to have been dead long ago.

"What are the facts? Well, old man Bingo, who is nearin' 70, can walk further and jump higher and lift a bigger load than any other man in the country except some of his own boys. He has never washed or had a day's sickness in his life.

"His wife is as dirty as he is. She is 65, weighs 200 pounds and is stout enough to pick up a 2 year old steer and throw him over the fence. There are seven of the Bingo children, all of 'em grown, all of 'em stout as horses and all of 'em raised in the dirt. According to Doc, they ought to be just swarmin' with microbes of one kind and another and maybe they are, but if so the microbes don't appear to bother 'em any.

"There is the matter of scientific farmin'. I believe in scientific farmin' but there is Colonel Hooper who always takes a great interest in the science of the soil. He studies all the bulletins and scientific works he can get. But somehow or other the colonel has never got ahead any. He has just about managed to hold his own and hardly that.

"Right across the way is a feller, Bill Blivens, who never reads anything, never pays any attention to agricultural reports or bulletins, or anything of the sort, just keeps pluggin' along in his own way. He makes money every year. Started in as a renter 30 years ago and now he owns a section of good land, don't owe a dollar and has a bank account. How does it come that Colonel Hooper who is up-to-date and a man of brains and education don't seem to get ahead while Bill Blivens, who don't know anything about books or scientific soil culture, keeps pillin' up money?

"I hev a good neighbor who is mightily opposed to the doctrine of an eternal hell. He has argued his theory till I have come to agree with him, but the other day I got to thinkin' about an old cuss who had just kicked the bucket. He was the meanest man I ever knew. He never, so far as I can learn, or so far as I know, helped a feller man in his life. He would lend money to a widow at the rate of 5 per cent a month and take a mortgage on her last cow, bedstead and settin' hen and when the loan come due if the money wa'n't forthcomin' he would take the stuff.

"That man seemed to prosper all his life. If there ain't no hell how will he get what is comin' to him?

"So it goes with one theory after another. About the time I get comfortably settled in my belief along comes something that sort of knocks me galley west and crooked. I have got to the point where I think I'm right about a good many things but I ain't so blamed certain as I used to be."

**LANDLORDS AND TENANTS.**

Editor Mail and Breeze—Being an actual farmer ever since I was old enough to farm, I have had much experience in the trying, hard lot of a farmer-renter, and my heart goes out to the 60 farmers out of every 100 who are struggling to pay the landlord from a third to half of all they raise, and to maintain an existence for themselves and families, and maintain in their communities an honorable financial standing, scattered as they are, all over our great nation.

Think of the law that allows a man to own 10 sections of land, and is thereby enabled to claim from a third to half of the lives of 40 men, their families and their farm equipments. I said 10 sections; a man may own as many sections of land as he has money to buy, and this entire country may yet be a country of rich landlords and serf tenants. It is going rapidly toward that condition now.

I own 160 acres, not gained by renting, but by homestead in Oklahoma. I do not envy the rich landlords of our country, who have under our law gained their thousands of acres and quit farming; but I pity the poor young men, middle-aged and old, who struggle against hopeless and despairing conditions on the thousands of rented farms of the United States.

When they raise only an ordinary crop of farm products, newspapers, crop reporters and state secretaries of agriculture are ever ready, urged by the real estate men and land speculators, to magnify and greatly exaggerate the yields of farm products, to boost land prices in the states, regardless of the fact that they thereby greatly lower the price of the renters' shares of crops on our markets.

I am glad a lot of editors, lawyers and business men are going in with our State Agricultural college professors for the union and co-operation of our farmers. The farmers of Kansas greatly need the aid of such wise guardians to unite and manage their co-operation.

When Jones gets 40 bushels of wheat to the acre and has 200 acres of such wheat, Jones, the farmer, blows about it and his big crop report gets into the magazines and newspapers. Miller says, "Jones ought to sell his wheat cheap, having so much of it," and down goes Farmer Jones's wheat market.

The glaring reports of big yields over the state printed in newspapers, have a great tendency to cheapen the price of our farmers' products. When Secretary Coburn reports that Kansas will have 90 million bushels of wheat, he hits the farmers of Kansas a fatal blow for lower wheat prices.

When a merchant gets a big business and reaps large profits, does he give his business profits a

state-wide ad like some people farming give their yields of wheat or corn? Does a great printing concern ever publish broadcast the yield of advertising profits of such concern?

Really, I once had hopes that the farmers of the United States would form a national union and co-operate to mutual benefit; but after studying the situation of the farmers' conditions; his scattered forces; his varied interests and financial ability, I have lost all hopes of a "National Corporation of Farmers."

The census of the United States for 1910 shows that three-fifths of the farmers of the United States are renters. Most of these tenants are poor people, and every glaring ad of big yields of wheat or other products they produce, helps to beat down the prices of the renters' share on our farms; helps to grind the faces of the poor.

JAMES D. SHEPHERD.  
R. 8, Clay Center, Kan.

It occurs to me that Mr. Shepherd exaggerates the evils of publishing crop reports and in the next place even admitting that the publication of crop reports in favorable years tends to depress the price of the farmer's grain, I would like to know how such publication could be prevented. It would make no difference whether Mr. Coburn reported the crop yield or not. It would be published anyway. In fact if the Agricultural department did not make reports they would be made by grain speculators for their own selfish advantage.

There is this wide difference between the publication of crop reports and the publication of the results of an individual's business operations. In the case of the individual that is his private business, while growing crops are most emphatically matters of public concern. The general public is not greatly concerned about what profits a newspaper man is making or how much he is losing on his newspaper venture, but the general public is vitally interested in what the farmer is producing, for out of the products of the soil all men must live.

Mr. Coburn's crop reports may not be entirely accurate. His information may be faulty in some cases, but I do not for a moment believe that he would wilfully exaggerate in his estimate of crop yields.

Speaking of a national co-operative association of farmers which will take in the farmers from ocean to ocean, I think Mr. Shepherd is correct in thinking it will be a long time before such an organization can be perfected if it ever can. It is probable that such an organization would be too bulky to be effective.

My notion would be that co-operative associations should be formed in the different localities of the country to look after the farming interests peculiar to that section. These organizations might then form a sort of general federation and in that way have a degree of national co-operation.

**WANTS SOME INFORMATION.**

Editor Mail and Breeze—I would like to ask some questions:

- (1) Does not the government have the sole power to create money at all times?
  - (2) When in need of some, why does it issue bonds taxing its own subjects?
  - (3) Is it not for the benefit of the rich and the banks?
  - (4) Does not the government have the power to issue money as full legal tender for all debts, dues and demands, both public and private?
  - (5) Why not make it a full legal tender, the same as the greenbacks were during the war?
  - (6) Why was the exception clause put upon the greenbacks?
  - (7) Was it not for the banks, brokers and money lenders who said that it would not do to issue money direct to the people?
- I am a reader of your paper and it stands for T. R., whom I can't vote for. I thought of voting for Mr. Capper, but cannot if he supports T. R. for president. They all talk about what they will do till after they are elected, then they storm about till another four years rolls round and nothing gained. If Teddy were elected, what different would his course be from the others?
- Marysville, Kan. F. A. T.

(1) The constitution gives to congress the sole power to coin money and regulate the value thereof.

(2) The reason the government has issued bonds is that gold and silver formerly and gold latterly has been regarded as the only real money. Gold is owned by private parties, who take it to the government mints and have it coined or deposit it as bullion in the treasury and have gold certificates issued against it. On this theory the government had to borrow money as a private individual would have to, by giving its note or bond.

(3) Undoubtedly that system favors the banks and other money lenders.

(4) In the celebrated Greenback case tried in the supreme court of the United States shortly after the war, the court decided that the government had full power to issue full legal tender notes.

(5) The government authorities were made to believe that unless the exception clause was put in the greenback it would be impossible to get any gold for the treasury and we had obligated ourselves to pay certain bonds and the interest thereon in coin. This also answers question 6.

(7) No doubt the bankers and brokers had a great deal to do with framing the monetary legislation passed during the war.

The writer of the letter must decide for himself who he shall vote for. I should be pleased to have him support Mr. Capper, but if he conscientiously believes that he should not vote for either Mr. Capper or Mr. Roosevelt, then he should not do so. Free your mind from prejudice and then follow the dictates of your own conscience.



# SERUM A GREAT HOG SAVER

## Dr. Schoenleber's Report on the Kansas Epidemic Proves Its High Potency

BY DR. F. S. SCHOENLEBER

Dept. of Veterinary Science K. S. A. C.

When only 130 out of 14,785 vaccinated hogs die, during such a cholera epidemic as we had last year, and when less than one-third of the 18,109 hogs are lost that had the disease when the serum was given to them—it is plain enough that the serum treatment is successful. This was the Kansas record last year. Should the disease reappear this season in epidemic form in Kansas, the state's serum plant at Kansas Agricultural college is better able to cope with it than ever. It has 100,000 doses of the serum in storage and can now turn out more than 100,000 doses per month on short notice. Dr. Schoenleber recently prepared a detailed report on Vaccination Against Hog Cholera from which the following digest has been made for Farmers Mail and Breeze. The bulletin in full, No. 182, may be had by writing to E. H. Webster, director of the Kansas Experiment station, Manhattan, Kan.—Editor's Note.

**T**HE use of anti-hog-cholera serum as a preventive of hog cholera has passed the experimental stage. Its place in preventive medicine is now thoroughly established. While there is no doubt that a great many improvements will yet be made in the methods of production and application, its efficiency can no longer be questioned.

It is a noticeable fact that in a community or in a county where a large number of hogs are vaccinated the results are coming in more satisfactorily with each report, the later results being much better than those preceding. This is due, no doubt, to the fact that the hog raiser and the veterinarian are becoming more familiar with the use of the serum and are becoming more expert in diagnosing the disease.



Dr. F. S. Schoenleber.

Out of a total of 235 diseased herds 100 per cent of the hogs vaccinated were saved in 40 herds, and nearly 70 per cent of all hogs vaccinated in all diseased herds were saved, showing that the serum has some virtue as a curative agent, although in this it should not be relied upon. The losses from the serum-alone treatment in healthy herds and a great majority of the losses in the simultaneously vaccinated herds were not due to cholera but to other causes.

A thorough study of the different methods as recorded in the table warrants the following conclusions: Vaccination should be done while the animals are still healthy, but if cholera is present, a large per cent is saved through the use of the serum; and the earlier it is used in an outbreak the greater the per cent saved.

Of the 292,400 hogs vaccinated with the serum produced by the veterinary department of the Kansas State Agricultural college during the year 1911, reports have been received covering something more than 32,000 head. Of these 25,893 were given the serum-alone treatment; 3,222 were given the simultaneous method; and 3,779 were vaccinated with the double method, that is, were given the serum alone and about 10 days later were given the simultaneous method.

Of the total number reported, 18,109 were in infected herds and 14,785 were in non-infected herds.

The losses in non-infected herds, where serum alone was used, amounted to about 1 per cent. In the main these losses were confined to a very few herds. Where subsequent investigation was made, the greater number of these losses were directly traceable to other causes.

In infected herds where the serum was used there was a saving of 69.8 per cent. In many of these herds the disease had gained such a foothold that practically all animals in the herd were sick at the time of vaccination. In other instances, where as many as 50 per cent of the herd had died with the cholera, vaccination stopped the progress of the disease at once with



It is usual to vaccinate a hog for cholera on the inside and in the fleshy part of the ham. This method brings results, but this location is undesirable because easily infected, causing abscesses or tumors. Some operators vaccinate under the skin under the jaw or flank. Sows heavy in pig are sometimes vaccinated just back of the ear. This way the serum is not so quickly absorbed, but serious infection is less likely.

very few losses following, and in many herds no further losses occurred.

Following is a general summary of results:

SERUM ALONE METHOD.			
Condition of herd.	Vaccinated	Died.	Per cent recovered.
Diseased	16,543	5,031	69.55
Non-infected	9,350	24	99.73
Both	25,893	5,055	80.5
SIMULTANEOUS METHOD.			
Diseased	657	52	92
Non-infected	2,565	82	96.8
Both	3,222	134	95.5
COMBINATION METHOD.			
Diseased	909	388	57.3
Non-infected	2,870	24	99.17
Both	3,779	412	89
TOTAL—ALL METHODS.			
Diseased	18,109	5,471	69.3
Non-infected	14,785	130	99.1
Both	32,894	5,601	83

In the first or serum alone method there is simply injected into the tissues of the hog a dose of the anti-hog-cholera serum, which makes the hog immune against the cholera for a time varying from a few weeks to several months. This is the method used when, for instance, a very fat show herd is vaccinated. It is absolutely safe. It is also used in herds where the cholera exists. After the disease has been in a herd for several days it frequently occurs that vaccinating does little good. Thus the earlier the vaccination the more certain the results.

The second or simultaneous method is one in which there is some danger, but the result, if the animal survives, should render immune to hog cholera for the rest of its life. In this there is injected at the same time with the serum, but in a different place, a small amount of virulent blood, or blood

taken from a hog very sick with the cholera. This really gives the hog a slight form of the disease, and as a consequence the animal does not take the cholera a second time. This is a very satisfactory method when used in a healthy herd before the animals become infected. Great care is necessary. If too much of the virulent blood is used it will make the hog quite sick with the cholera and may even cause death.

The third or combination method, originated and thoroughly tested by the writer, is a combination of the first and second methods. Vaccinate first with the serum alone, and 10 days later vaccinate with the simultaneous method. This is by far the most satisfactory and safe method in an exposed herd; or if there is cholera in the herd or in the vicinity; or if the hogs are fat or otherwise very valuable.

The state law provides "That it is \* \* \* unlawful for any person to knowingly inject any virulent hog-cholera blood into any hog in the state of Kansas, except under the direction of the livestock sanitary commissioner; provided, that this section shall not apply to the authorities of the State Agricultural college." The penalty is a fine of not less than \$100 or more than \$500 for every offense.

When the serum is potent and the work is properly done, the hog seldom loses a feed. A slight fever frequently follows. From six to 10 days after vaccinating with the serum-alone method the temperature should be back to normal again—about 103 degrees. In the simultaneous method several weeks should be allowed for the vaccination to take full effect.

At times there are a few hogs in a herd which are so susceptible to the cholera germ that no amount of serum

will prevent them from dying with the disease.

Occasionally reports reach us that vaccinating causes the loss of some apparently healthy animals and the serum is blamed. Some of these reports have reached us in time to investigate the trouble. The causes of death usually vary, but the most common cause is pneumonia or some disease other than cholera; too small a dose of serum; infection getting into the wound made by the needle in vaccinating; exposure to the weather after vaccinating; turning out into filthy yards. The serum alone cannot possibly cause cholera, and if a sufficient dose of serum is given healthy hogs are not injured by the simultaneous method. Hogs vaccinated by the simultaneous method do not communicate the disease to others nor infect the pens or yards unless they themselves become sick.

When the serum-alone method is used, vaccination does not seem to have any noticeable effect upon the offspring. When either the serum simultaneous or the double method is used, the offspring from sows so vaccinated seem to possess a greater or less immunity which, after about four weeks, they gradually outgrow. A pregnant sow can be safely vaccinated at almost any period with the serum-alone method if she is carefully handled, but there is more or less danger in using the simultaneous method upon sows well along in pregnancy.

Cholera usually starts with a diarrhea. The pigs quit feeding, many have coughs and are dumpy for several days, lose all energy, gradually become weaker and die. The older hogs usually act in the same way, except that they do not become so thin before they die. Sometimes a constipation precedes the diarrhea for a longer or shorter period. The discharges are usually very offensive. There is frequently a discharge from the eyes which resembles pus, but may be sticky enough to gum the lids together. Some hogs may show symptoms of a severe illness, such as fever, weakness, loss of appetite, diarrhea, redness of the skin of the abdomen or flanks and in patches around the snout or ears, while others may show but a few of these symptoms before death.

### Cut Western Wheat Acreage

BY J. H. MILLER,  
Superintendent Kansas Farmers' Institutes.

Fifteen counties in Kansas have less population than a year ago. Too much wheat; too little forage; too little livestock. I believe in Kansas—in western Kansas—and I believe I am a better judge of the people in that part of the state than the "boomers."

I want to urge a reduced wheat acreage for the following reasons:

It will permit earlier and better seedbed preparation. No plowing for wheat should be done after August 20.

It will permit the seeding to be done and more forage crops, and that means more livestock which must be the basis of sound agriculture.

It will permit the seeding to be done between September 20 and October 15.

It will permit men to harvest their wheat with local help, at the right time, and that is an aid to quality of wheat.

It will enable the farmer to better balance his farm and his equipment, his help and also his own time.

It will also mean for the western 100 miles, the partial adoption of the summer fallow method of growing wheat and that will mean more bushels from half the acreage.

Why not give this a trial? The other method, for the last 20 years, has not paid team wages.

Western Kansas has a great future if it can be built up again on sound agricultural lines with the idea of conserving the soil and its fertility and the normal moisture. The best thing that could happen to the western fourth of Kansas would be for the state to buy all the unoccupied land and sell it out only to actual settlers who would be required to follow certain prescribed methods of farming.



*Overland*  
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*Here Are a Few of the Big Features:*

Self Starter  
30 Horsepower  
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Timken Bearings  
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\$50 Mohair Top and Boot  
\$25 Clear Vision Wind-  
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\$25 Prestolite Tank

**T**HERE never has been such an astonishing automobile value offered to the American farmer. Study the specifications—the detailed values. See the unusually complete equipment—everything possible and practical for an automobile. Remember the thorough and fine Overland construction and you'll get a good idea of this exceptional worth. \$985 for this complete, big, powerful car. No extras; nothing additional to buy but gasoline. Ready for service the minute you get it. This car, at this price, smashes all previous records. It even totally eclipses our 1912 values, which a year ago baffled the world. 40,000 Overlands will be made in 1913. This enormous jump in production makes pos-

sible this new car at this new price. As our production goes up, prices come down, as has been shown in each preceding year.

In this age of rapid progress it is sometimes difficult to grasp the full significance of an important, progressive manufacturing step, such as this car exemplifies. But when you sum up the extraordinary cold dollar for dollar value which this car offers, as compared to any and all competing motor car values, the giant economical manufacturing strength of the huge Overland plants is realized and recognized. It only proves the ability of this most powerful and efficient automobile factory.

Here we can but call your attention to the bare facts. This is the car—a big, pow-

erful, beautiful, spacious, comfortable, self-starting, thirty horsepower, five-passenger touring car—fully equipped—all ready for night or day, rain or shine, service. Made of the best materials on the market, by the most skilled men known to the trade, and in the most efficient automobile shops in America. And the price is but \$985.

We can make the positive statement, without any kind of a condition, that this is the automobile industry's record value.

This car can now be seen in any city in America. Over 2000 Overland dealers are waiting to give you your demonstration. Look up the one in your vicinity.

Write us at once for full information and a 1913 catalogue. Address Dept. LL38.

## The Willys-Overland Company, Toledo, Ohio

### Detailed Specifications—Model 69T

**MOTOR**—Four cylinder, cast separately. Bore, 4 in. Stroke, 4½ in. Horsepower, 30.

**IGNITION**—Remy Model R. D. Battery and Magneto—two sources of current.

**COOLING**—Water cooled. Thermo-Syphon Cellular Radiator.

**OILING**—Splash system for crank and cam shaft bearings. Cylinder and timing gears oiled with Kilmwood force feed oiler.

**CAM SHAFT**—Carbon steel drop forged, three bearings.

**CRANK SHAFT**—Carbon steel drop forged, five bearings.

**CONNECTING ROD**—Carbon steel drop forged.

**MAGNETO SHAFT**—Drop forging.

**PUSH ROD**—Crescent drill rod steel.

**CARBURETOR**—Model L Schebler.

**CENTER CONTROL.**

**FRAME**—Channel section—cold rolled steel.

**SPRINGS**—Front semi-elliptic.

**TRANSMISSION**—Selective. Three speeds forward and reverse. Annular bearings.

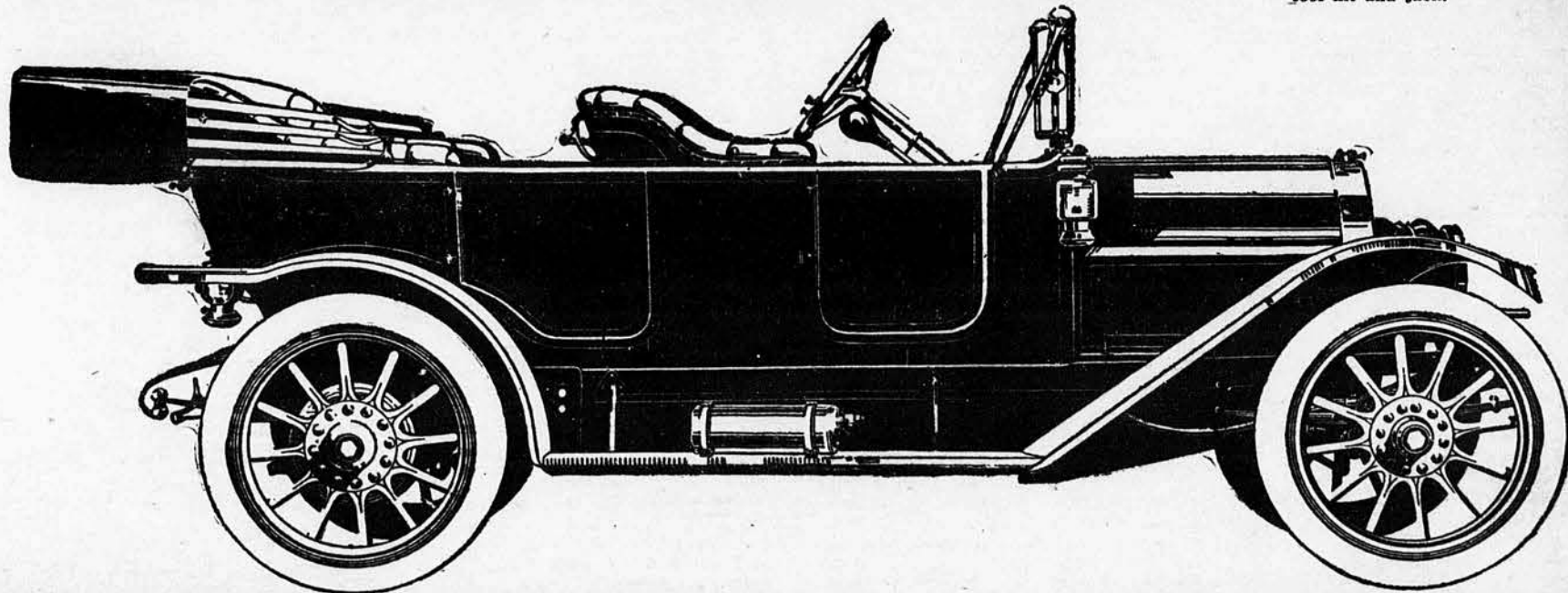
**FRONT AXLE**—Drop forged.

**TIRES**—32x3½ Q. D.

**FINISH**—All bright parts nickel plated, with black trim.

**BODY**—Overland blue; wheels, gray.

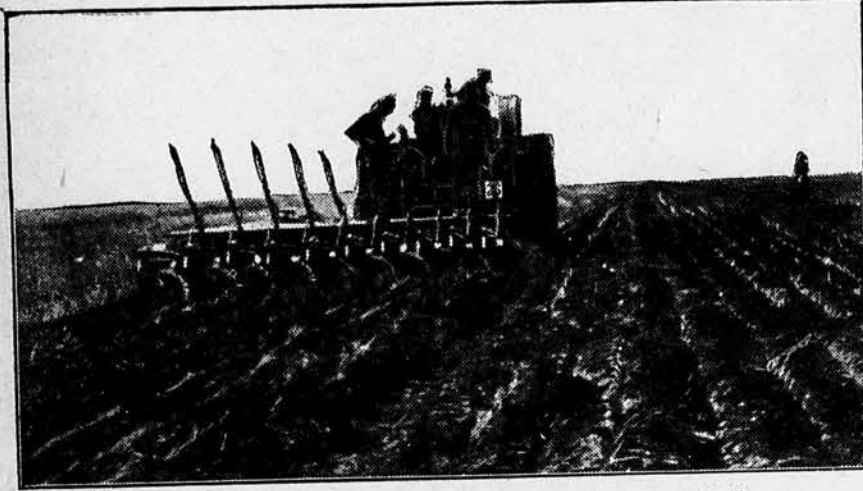
**EQUIPMENT**—Mohair top and boot; Warner Speedometer; Wind shield; Prestolite tank; Self-starter; five black and nickel lamps; tire irons; robe rail; foot rest; tool kit and jack.





## The 1912 Tractor Trials

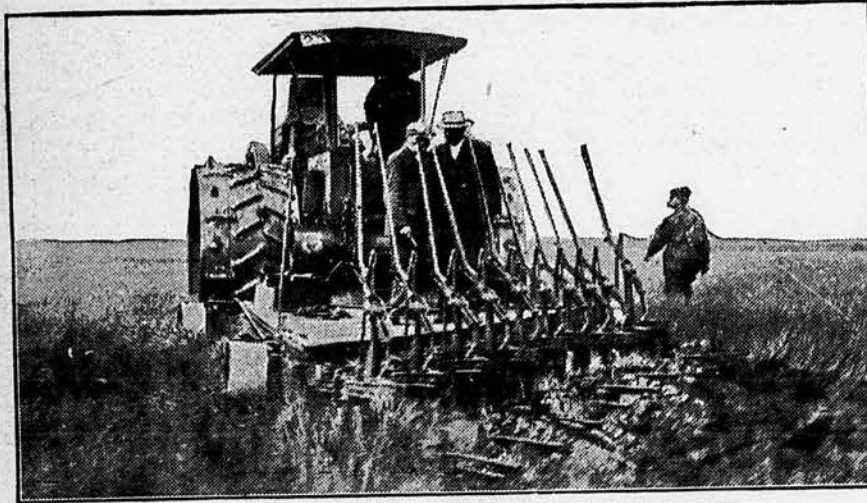
Written For Farmers Mail and Breeze  
BY L. W. ELLIS



A CASE STEAMER PULLING 10 CASE-SATTLEY PLOWS.

The Canadian Industrial Exhibition held yearly at Winnipeg is noted principally for its annual motor competition. The large tractor manufacturers meet there to contest against each other for honors in the great game of developing farm tractors and they are given an opportunity to try out their engines in the same field and under the same conditions with their brother manufacturers. This year a large building was used for the purpose of testing out the different tractors on the brakes. Two rope brakes provided by the Vulcan Iron Works of Winnipeg were mounted on a solid concrete foundation, and the building was large enough to accommodate two engines on the brake at one time. The brake test continued for seven

days. Each engine was given a 2-hour economy run to determine the amount of fuel used per hour. This was followed by a 30-minute run with the engine carrying its maximum load. During each run careful measurements were taken of the fuel used, the speed of the brake pulley and the engine speed. Compared with other years the brake tests were run off with little difficulty. The building that had been provided for this purpose protected the tractors from the wind and rain which has usually been one of the principal difficulties experienced and the tests were delayed very little by trouble with the engines themselves. Considerable interest centered around the performance of the kerosene tractors, both in their test on the brake and in the plowing field. A decided advancement has been made in this line during the last few years. One of the engines entered in the kerosene class did the plowing at the cheapest fuel cost per acre, 33.7 cents. This tractor also scored the highest number of points in the contest and was the gold medal winner in this class. Monday morning, July 15, the crowd gathered at the plowing field about 11 miles from Winnipeg to witness the opening of the engine-plowing contest. Due to delay in getting fuel delivered to the grounds the contest was not started until 3 o'clock in the afternoon. Five engines, however, completed their test that day.



RUMELY OIL-PULL TRACTOR AND RUMELY PLOWS.

The field used this year for plowing was 240 acres of virgin prairie sod, three fourths of a mile in length. On the first day of plowing conditions were exceptionally favorable, but the second day, on account of the rain, the plowing while not bad was not as favorable as on the first day.

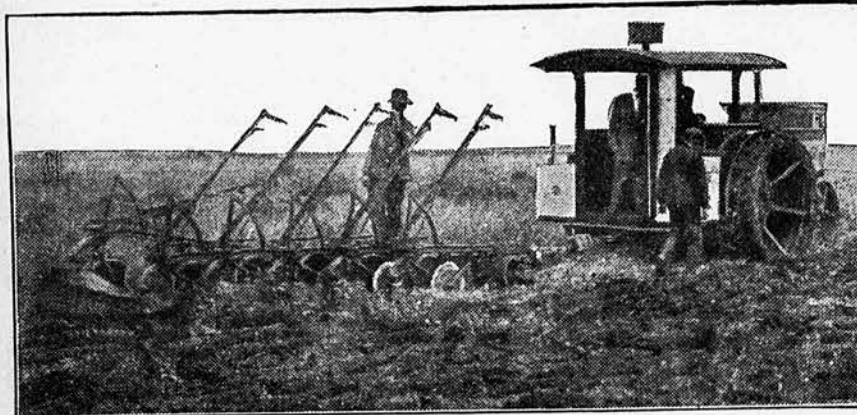
At each end of the field a furrow was turned by a Case 40-horsepower gas tractor and plows. The purpose of this furrow was to mark the ends of the different lands. The field had been previously measured up and each engine was allotted a certain strip corresponding to the number of plows hauled.

In the contest each engine was required to complete four rounds. At the beginning of the test the fuel and water

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"American" Dump and Portable Elevators are built of wood or steel and in any size or style to fit any crib or granary. We also build stationary outfits for inside work. Outfits include flexible spout to carry grain to any part of crib or granary without the use of conveyors. Our elevators are made for either horse power or gas engine. We furnish either overhead or underneath wagon lift as desired. "American" Dump and Portable Elevators are built by experienced workmen from the most desirable material—they are the strongest, best finished, easiest operated and fastest working elevators on the market. These elevators will save up to 1c per bushel on the cost of picking corn—soon paying for themselves in the money they save. They will handle ear corn, shelled corn, or small grain of any kind. They can be furnished in any length to meet any requirements. They can be used to fill any style cribs or granaries and they are absolutely guaranteed to give satisfactory service.

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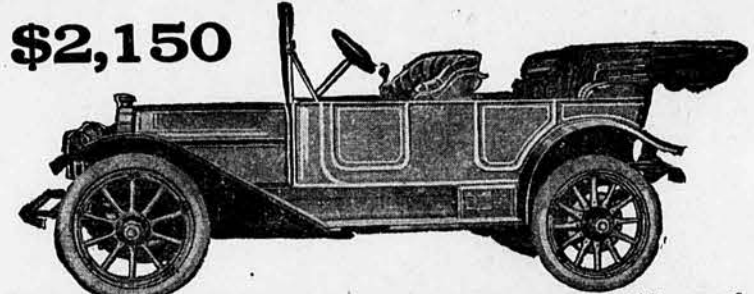


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We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.

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tanks were filled, the dynamometer coupled between the engine and plows. An observer was then assigned to the outfit, and the run was started.

At the end of the run the fuel and water were weighed in until the tanks were filled, and in this way the amount consumed was determined.

In certain parts of the field there were many stones to encounter but serious damage was experienced only by the Rumely and Case outfits. The Rumely oil pull tractor, type "E," hauling Rumely plows, hit a solid rock on its third round and snapped off a plow shank, but by the time the judges had adjusted the dynamometer for the last round the new shank had been replaced and the outfit was ready to start.

The dynamometer was used for measuring the drawbar pull exerted by the engine. A record was taken only on the second and fourth rounds. By means of this record it was possible to obtain the average drawbar pull exerted by the engine throughout the run.

The medal winners in the tractor classes follow:

Class B. Gasoline	Gold Silver Bronze	Case Co. Goold, Shapely & Muir. Avery Co.
Class C. Gasoline	Gold Silver Bronze	Aultman-Taylor International Harvester Holt-Caterpillar International Harvester
Class D. Kerosene	Gold Silver Bronze	N. Rumely Co. Avery Co.
Class E. Kerosene	Gold Silver Bronze	N. Rumely Co. Aultman-Taylor International Harvester
Class F. Steam	Diploma	Case Co.
Class G. Steam	Diploma	Case Co.
Class H. Steam	Gold Silver	Case Co. Sawyer-Massey Co.

The engine-plowing competition ended Wednesday, July 17, and the following morning the engine gang-plow contest began. The Rumely, Case and Avery companies were the only participants in this contest. Only one round was made. The plows were judged by the evenness of the depth of furrow, the uniformity of thickness of furrow slice, the straightness of the furrow, the finish at the ends, and the ease of manipulation. The medal winners in the plow contest were:

Class A. Small size	Gold Silver Bronze	Avery Co. M. Rumely Co. Case Co.
Class B. Large size	Gold Silver Bronze	Avery Co. M. Rumely Co. Case Co.

The companies participating in this year's tractor contest were the Canadian Heer Engine company, the Avery company, J. I. Case, Goold, Shapely & Muir company, International Harvester

**HOW MANY OF US**

**Fail to Select Food Nature Demands to Ward Off Ailments?**

A Ky. lady, speaking about food, says: "I was accustomed to eating all kinds of ordinary food until, for some reason, indigestion and nervous prostration set in.

"After I had run down seriously my attention was called to the necessity of some change in my diet, and I discontinued my ordinary breakfast and began using Grape-Nuts with a good quantity of rich cream.

"In a few days my condition changed in a remarkable way, and I began to have a strength that I had never been possessed of before, a vigor of body and a poise of mind that amazed me. It was entirely new in my experience.

"My former attacks of indigestion had been accompanied by heat flashes, and many times my condition was distressing with blind spells of dizziness, rush of blood to the head and neuralgic pains in the chest.

"Since using Grape-Nuts alone for breakfast I have been free from these troubles, except at times when I have indulged in rich, greasy foods in quantity, then I would be warned by a pain under the left shoulder blade, and unless I heeded the warning the old trouble would come back, but when I finally got to know where these troubles originated I returned to my Grape-Nuts and cream and the pain and disturbance left very quickly.

"I am now in prime health as a result of my use of Grape-Nuts." Name given by 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.

company, Diamond Iron Works, Canadian Holt company, Aultman & Taylor, and the M. Rumely company.

**A Grain Belt Beef Factory**

(Continued from Page 3.)

showing. His ranch at Maple Hill comprises 5,600 acres, of which only 1,500 acres is farming land, the rest being native pasture. He fattens between 2,500 and 3,000 head of cattle during a season and the building of these silos is merely a step toward more intensive methods and has been forced upon him by high land values, which in turn are responsible for the high prices of feed.

The real base of supplies of the Adams cattle business is down on the Cimarron river in southwestern Kansas and the old "No Man's Land" country of Oklahoma. Here Mr. Adams and his partner, Mr. Robert, have 35,000 acres of deeded land and 6,000 acres of leased range, all in one tract, and known as the "XI" ranch. This ranch is a small empire in extent and would make a fair-sized county. The Cimarron river winds and twists through the ranch for 18 miles, making quite a stretch of rich bottom land and furnishing unlimited stock water. Most of the land is used for grazing purposes, but about 2,000 tons of river bottom hay are cut on it each year and one section of bottom land is growing good alfalfa. More land will be seeded to alfalfa from time to time. The XI ranch includes territory in three counties—Meade and Seward in Kansas and Beaver county in Oklahoma. The shipping station is Plains, Kan., on the line of the Rock Island.

On this ranch a herd of 1,500 to 1,600 purebred Hereford cows is maintained for range breeding purposes. As high as 175 white face bulls from this herd have been sold to one purchaser in a single deal. Nothing will fill the bill for beef-making like Herefords on the Adams ranches and no other beef breed is represented either in the feeding or breeding operations.

Strangely enough Mr. Adams raises no feeders on the XI ranch where a layman would be inclined to think conditions were just right for it. For 18 years he has secured his feeders as yearlings and 2-year-olds from the Panhandle country, buying the "JA" brand exclusively, raised by Mrs. Adair. These feeders go to the ranch on the Cimarron, where part of them are grass fattened and the rest are shipped to Maple Hill at the end of the grazing season, where they are put into market condition. This year the first shipment of grass fat cattle from the ranch was made July 15.

Enough hogs are kept at the Maple Hill feeding farm to follow the cattle and make use of the waste, but hog raising is merely considered a side line on the place. About 300 hogs are handled annually.

In the art of cattle feeding for beef Mr. Adams appears to be a past master. Topping the market is one of his specialties. Two carloads of cattle sold by him in Kansas City in 1910 still hold the world's record for high prices paid on the open market. This shipment averaged 1,496 pounds per steer and the lot sold at \$10.50. Twice in recent years he has entered the carlot classes at the American Royal show in Kansas City and each time his entry made off with the grand championship. In 1911 International show his entry of 2-year-old fat steers took the championship of the class in the carlot division.

With all the strenuousness required in carrying on so extensive a business, Mr. Adams and family take time to enjoy the well earned fruits of their labors. It was the privilege of the writer to enjoy the wholesome hospitality of the homes of the two brothers—Horace and Franklin Adams—for a day, and it was of the genuine, old fashioned sort. Their homes are thoroughly modern and well kept, with every city convenience to be had in the country. With their touring cars to keep them in close touch with the world, little more could be wished for to make country life an ideal existence.

**Daniel and the Lions.**

Spurgeon once remarked to one of his sons:

"Can you tell me the reason why the lions didn't eat Daniel?"

"No, sir. Why was it?"

"Because the most of him was backbone, and the rest was grit."—Youth's Companion.

**Twin City "40" All-Steel Tractor  
The All 'Round Power Plant  
For Farm Work**

**PLOWING**, hauling, cutting grain and other heavy pulling jobs on the farm are the things you usually buy a tractor for. The Twin City "40" is doing these things on hundreds of farms at a cost and with an efficiency that would surprise you.

But it is much more than a tractor. It is an all 'round power plant. The governor is fitted with an accurate and positive adjusting device which enables you to use this tractor for stationary power as well as traction purposes. With a pull as steady as a steam engine, you can thresh, operate a corn sheller, saw wood, hull clover, bale hay, etc., more economically than with any other power.

It has an advantage over a stationary gasoline engine in being portable. You can move it to the place where the work is, instead of hauling the work to the source of power.

**Our Guaranty is Back of It**

Every piece that goes into Twin City "40" All-Steel Gas Tractors is made in our own plant; the motor, transmission machinery, frame work, wheels—even the smallest part. Think what this means. When anything goes wrong, when any part is broken or worn out, you can have it replaced without delay.

Our New Tractor Book F tells of

the many interesting features of this great tractor—of the things responsible for its success. These are facts worth knowing and the book is free.

Be ready for Fall Work. See our agent and witness a demonstration of the Twin City "40" before you decide which tractor to buy. We'll tell you the name of the one nearest you.

**Minneapolis Steel & Machinery Co.  
Minneapolis, Minn.**



**Why Plow with Dull Shares?**

You wouldn't use a dull razor. Why burden your team with dull plow shares?

Ordinary soft center shares when sharpened by the blacksmith are not re-hardened. Why? Because he is cautioned against it by the manufacturer—he can't afford to take the risk. **ACME SOFT CENTER STEEL SHARES** can be re-tempered any number of times, any place that fire and water can be found and at our risk. Both user and blacksmith are protected by

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Acme steel hardened shares, shovels and shapes are warranted not to break under any condition where plowing for crop is being done. Shares guaranteed against breakage under same conditions of usage after blacksmith has drawn the temper, sharpened, heated to a cherry red and re-tempered same. Acme shares are guaranteed to wear as long as any other soft-center steel shares made.

By re-tempering, you get hard shares—hard shares wear—retain their sharp edge—reduce the cost of plowing per acre. "Acme Shares Don't Break."

**CAN'T BREAK THE ACME**

**ONE BLOW BREAKS OTHERS**

Note the difference in these photographs between Acme Shares and others. Mr. Farmer—why not have the perfect Acme Shares on your plows? They cost no more than others and think how much more they are worth to you. Where can you get Acme Shares? On Moline Plows only—The best plows in the world—The best made, the best balanced, the easiest to handle.

The "Best Ever" Sulky and Gang Plows are made of carefully selected materials, in a factory making only high-grade implements. Positive wheel control—perfect scouring qualities—light draft and many other strong features in addition to the Acme Steel Shares and Moldboards which place Moline Plows in a class by themselves.

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The "Best Ever"



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THE SILVER MFG. CO. SALEM, OHIO

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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.

If these dry seasons keep on and corn continues to rule as high in price as it has the last year the hog business will play out. In seasons like the last three cattle are the profitable stock.

Plenty of the finest kind of roughness has been raised this year and many more cattle could be wintered in this section than it was possible to pasture during the summer. Should hay prices stay down perhaps some of the pastures that were turned into meadows will be turned back into pastures again.

There has never been a time since we lived in this part of Kansas in which plenty of feed was not raised to keep cattle through the winter in the best of shape. The reason more cattle were not handled was because there has been little profit in cattle previous to the last two years.

Our corn is still in the same condition it was one week ago, hanging on the ragged edge. It has not rained since we wrote before, except a mere sprinkle, but still corn holds on and does not appear to be any the worse for the last seven dry days. This is because the weather has been cool for the time of year and many of the days have been partly cloudy.

Rains in other parts of the state have added some moisture to the air and for the last few nights some dew has fallen. This keeps the corn fresh until noon so that there is not more than six hours a day when there is much evaporation. This is helping wonderfully in holding up the corn and if it can't rain we are all hoping for this same weather to continue. By the time this appears in print the fate of the corn crop will be settled here, one way or another.

The cowpeas are growing well and do not appear to mind the dry weather. In fact, they seem to have grown better in the last week than in any week since they were planted. Our peas were planted in rows like corn and have had one cultivation. This seemed to help them, for they have grown better than many fields we have seen which were double-rowed and which have received no cultivation. If we get a few showers during the next two months we expect to grow a good crop of cowpeas.

One of our neighbors who has raised and fed cowpeas for a number of years says that he would rather have cowpea hay, which is fairly well seeded, to feed to winter cattle and horses than to have prairie hay and grain. But cowpeas which are full of pods have to be fed with care, for they are very rich, and it is easy to throw in too many. The peas, when made into meal, are almost as rich as oil meal.

Our work for the first of this week consisted in harvesting 20 acres of flax. Part of this was very good and part, while having heavy straw, was not so good, as it did not seem to ripen up right. Most of the bolls appeared ripe, but the straw was as green as it was a month ago. This was the effect of the dry weather, we think, for we noticed many fields last year in the same condition. However, a peculiar thing was the fact that the best flax was on the poorest ground, while some rich creek bottom land made no flax at all. One would have thought in a dry time the conditions would have been reversed.

Most of the flax in this section is cut with self-rake reapers and thrown off loose but a few, ourselves included, cut it with binders and tie it up. We do not like the trouble of picking up the loose grain off the ground and we have found that in a wet time it is better to have it standing up in shocks than to be lying loose on the ground. Some think that flax should be loose in order to thresh well, but we have not been able to see but that bound flax threshes

just as well, especially if the bundles are made rather small. Flax took lots of twine this year, we used on an average of one ball of Manila to every 2 acres. This makes a twine cost of about 30 cents an acre.

After the flax was cut we went at the prairie hay again. The dry weather, which is bad for the corn, is just right for haying, so we can't lose out on every corner. As we get farther into the hay we find it the best crop that we have raised since 1906 both in quality and quantity. A wet, cool June is always the making of this crop and the weather this spring that held back the corn was just what the prairie grass wanted. We like haying when the crop is like this. We do hate to chase over an acre in order to get a half ton of dried up, fuzzy stuff.

If we were asked to name the most prominent feature of the progress this section has made in farming during the last three years we would name the building of silos and hay barns. There is hardly a farm in this part of the country on which one or the other have not been erected in that time. In former years an effort was made to shelter the grain crops after they were raised, but hay and roughness had to take chances out in the weather. This was in the days when prairie hay could be found in plenty for \$1.50 to \$2 per ton at the stack and when surplus corn fodder sold for the cost of cutting. But just as soon as it paid to do it, hay barns were built to hold the crop and now very little hay is stacked out of doors.

Another feature of the feed-saving proposition is the amount of hay that is baled directly from the windrow. Many were not able to build barns large enough to hold all their loose hay and would not build them if they could. It does not take a very large barn to hold the baled hay from 40 to 80 acres and many now figure that it is almost as cheap to bale the hay as it is to stack it. If part of the hay is to be sold it is always ready to go to market if it is already baled and there is then no waiting for the baler to get around. The waste of hay in stacking will more than pay, in an ordinary year, the full cost of baling, for there are few years in which the loss will not reach 20 per cent. You not only have that much hay which is unsalable, but you have to go to the trouble and expense of putting it up besides.

Conditions the last two years have resulted in cutting down the number of hogs in this part of the country to a very small amount when compared with what is sometimes raised. If the corn crop, as it now seems, is to be short, this will be rather fortunate than otherwise, for it is not likely that corn can be bought and fed to hogs at anything of a profit. If the corn is short in Kansas it will be short all over the country west of the Missouri river and that will tend to make it so high that even should hogs go above \$8 there will be no profit in feeding. There is one thing we are sure of and that is, that it will not pay to rough hogs over winter to feed out on a prospective crop of 1913. It will pay to carry over enough of the best brood sows to stock up again next year, but a pig born next spring and well fed will be about as far along by next summer as a this year's shoat that has been roughed through the winter. It is far better to feed them all at once what would be doled out during the winter and then sell for what they will bring. The events of the next two weeks will tell us what is best to do with the hogs now on hand. We still have at this writing, August 3, a chance to raise a pretty good crop of corn and we are not going to give it up until we have to.

Trial trip until January 1, 1913, for 25 cents, Mail and Breeze, Topeka, Kan.

### Crib Your Corn with a Meadows

#### Portable Wagon Dump and Grain Elevator

You'd never use a scoop shovel or basket again, if you knew how easily, quickly and cheaply the Meadows Portable Wagon Dump and Grain Elevator cribs corn and other grains. Will unload the biggest load in 5 minutes. The horses do all the work—wagon raises and lowers itself automatically—elevator sets at any angle, elevates any height, distributes grain where you want it.

#### The Steel Elevator

Not affected by weather. Steel throughout. No wood to swell, shrink or crack. Chains always same tension. Price really LOW. Write for catalog.

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Don't be pestered and made out of sorts by having a spreader that clogs. You don't have to. Get one that spreads wider, even, carries a bigger load and has a score of other advantages—the New Idea.

Send for Book and Special Circulars telling all about the 24 points of superiority, and an account of the great spreader contest on the Hartman farm, where the New Idea put other spreaders on the scrap heap. Don't think of buying until you know about the spreader that is always ready to give a test of its merits.

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### DOWDEN PERFECT POTATO DIGGER SAVES HALF THE COST OF HARVEST

Simple, strong, durable, always in order. Works in all soils, all depths, hillside and level. Does not cut the potatoes—misses none—potatoes clean, on top of ground. Vines do not interfere with the Fully Guaranteed, working of the Dowden Digger. Write for Free Catalog.

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Always Successful **BLIZZARD** Eastgate Cutter  
Cuts any feed dry or green and elevates any height. No waste power. Can't strain. Has the only knives adjustable while running. Self feed. Mounted or unmounted. Every machine tested and guaranteed. A labor-saver and money-maker. Ask for free Book, "WHY SILAGE PAYS."

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## Ten Eyck's Replies

TO FARM QUESTIONS

Conducted for Farmers Mail and Breeze by A. M. TenEyck, Superintendent Fort Hays Branch Experiment Station, of Kansas Agricultural College, Hays, Kansas.

### Sow Wheat Earlier in Cornstalks.

When is the best time to sow winter wheat in corn? Will it do to sow about September 5-10? I live in Webster county, Nebraska, 40 miles south of Hastings, Neb.—L. K., Red Cloud, Neb.

Wheat should be sown in cornstalks a little earlier than in a good open seedbed, since the wheat in stalks starts more slowly. September 5 to 10 is about the right date to sow in your latitude. A. M. TenEyck.

### May Bale Prairie Hay From Windrow.

May prairie grass or bluestem be baled as soon as the grass is cut, with no danger of its spoiling in the bales?—Mrs. A. E. H., Allison, Kan.

Prairie hay may be baled from the windrow or bunch. This is a common practice. It should be cured the same as if it were to be stacked. The bales should be piled and covered with loose hay to protect them from the rain, but it is better to store in a shed as soon as possible, leaving some space for ventilation. A. M. TenEyck.

### Suckers Won't Produce Dwarf Milo.

Is Dwarf milo seed procured by breaking off the original stalk of the tall variety and planting seed from the suckers? If this is true at what stage of growth must I break off the original stalk? I have had the milo seed now three years, each year it grows taller. I think it would finally become the tall variety.—D. C. C., Carpenter, Okla.

There is nothing in the theory that planting the seed from suckers will produce a Dwarf variety of milo. Better secure new seed of pure Dwarf milo grown in western Kansas or western Oklahoma. Or it may be possible to maintain the Dwarf type of the variety which you are growing by very carefully selecting the better heads for seed from the shorter stalks each year. A. M. TenEyck.

### Formaldehyde Destroys Smut.

I wish to know how to treat wheat which has some smut in it. Will the smut remain in the ground where wheat was raised this year, or does it come from the seed? What is the best way to get rid of smut?—B. L. F., McAlester, N. M.

I am mailing circular and bulletin on destroying smut in wheat. Wheat will hardly become infected by smut in the ground. The infection occurs from the smut spores adhering to the wheat kernels when the smutty grain is threshed. The formaldehyde treatment described in the bulletin is one of the best to destroy the smut spores which adhere to the kernels. If wheat is badly smutted, it may be best not to plant it but rather buy good pure seed wheat which is not infected with smut. A. M. TenEyck.

### Corn Follows Alfalfa Better.

Would it be profitable to plow up alfalfa at this time of the year to sow to wheat this fall? Land has been in alfalfa four years and stand is getting a little thin. I want to crop it to wheat again.—R. D. M., R. 8, Wichita, Kan.

Better plow the alfalfa land this fall and plant corn next season and seed wheat in the fall of 1913. Corn follows alfalfa better than wheat. Wheat is likely to make too rank a growth of straw and lodge, when grown on alfalfa land the first year after breaking; or if the season is too dry the wheat will burn out.

Also it is rather too late now to break this alfalfa land and get the soil in good seedbed condition for sowing wheat this fall, since the soil is likely to remain too loose and dry to make a favorable seedbed. A. M. TenEyck.

### What Grass for a Draw?

What is the grass to sow in draws on upland to keep it from washing? I thought of sowing timothy and clover or Sweet clover. Is Sweet clover a good hog pasture?—H. S., Holton, Kan.

I am mailing bulletin No. 175 on grasses, and circulars on Sweet clover. It would be advisable to sow a combination of grasses and clover in the draws mentioned, 10 pounds each of Bromus inermis, Kentucky bluegrass and orchard grass, with 4 pounds of Alsike clover and 2 pounds of White clover per acre. This combination will make a tougher

sod and more permanent stand than any single grass.

Sweet clover does not make a sod, but if once well started in such draws, it will grow vigorously and will be likely to cause the draws to fill by catching the trash and sediment washed down by the water. Sweet clover may be used for hog pasture, but is not so valuable for this purpose as alfalfa. A. M. TenEyck.

### Late to Plow for Alfalfa.

I am in need of information relative to growing alfalfa. Have had practically no experience and can ill afford the expense of a failure. I wish to seed to alfalfa this fall on old creek bottom field, never in alfalfa. It was cropped continuously in corn until last year when it was in wheat. This year it is in oats. It was rather poorly disked two weeks ago, ground too hard and dry to do good work.—L. C. W., Clifton, Kan.

It is rather late to plow this land for fall seeding to alfalfa, better disk again and then harrow as required to pulverize and firm the soil and destroy the weeds. Sow early in September, preferably as soon after a good rain as the soil is dry enough to drill.

I prefer to seed with the drill with the alfalfa seeder attachment, also using the press wheels. Be careful not to cover the seed too deeply, a half inch of firmed soil over the seed is sufficient. If you do not have the alfalfa seeding attachment or the press wheels, prefer to seed broadcast and cover by a light harrowing. Ten pounds of good seed per acre is enough to sow.

I would not worry about the alfalfa bacteria. These are usually present in all soils in your section of the state. At present our supply of bulletins on alfalfa is exhausted. I refer you to Coburn's book on "Alfalfa," published by Orange Judd company, New York, also to Joe Wing's book, published by the Sanders Publishing company, Chicago. A. M. TenEyck.

### Alfalfa in Rows for Seed Crop.

If you have sowed alfalfa in rows and cultivated the crop the same as corn, for the production of seed, etc., what success have you had? Did you sow Turkestan, or hardy dry-land alfalfa and what time in the year, or month, would you advise one to sow? What preparation would you make with soil before planting?—M. T., Richfield, Kan.

We have just begun to experiment with cultivating alfalfa in rows. We sowed 10 acres last spring which has made a good stand, but there is some danger that grasshoppers and dry weather may destroy it. We planted in rows 3 feet apart by stopping part of the seed cups in the drill, drilling the alfalfa about the same thickness in the rows as when sown in close drills. This requires about 2 pounds of seed per acre. We sowed common western Kansas alfalfa. Western Kansas dry-land alfalfa is hard to beat for Kansas planting. The Grimm and Turkestan also are hardy varieties and adapted for western growing.

Prepare the seedbed as you would for seeding alfalfa broadcast or in close drills. The soil should be free from weeds, well settled, well pulverized and well stored with moisture. Sow in the spring in your section of the state, after good rains when the soil is moist enough to germinate the seed at once.

As stated, we are just beginning the growing of alfalfa in rows by cultivation at this station, but considerable trial of this method has been made by farmers in western Kansas and western Nebraska. The U. S. department of agriculture has published a bulletin on this subject. Write for a copy to J. W. Westgate, assistant agrostologist, U. S. department of agriculture, Washington, D. C.

The yield may vary with the season, one cutting for seed or sometimes one crop of hay and one crop of seed may be harvested, or from two to four cuttings of hay, depending on the season and moisture supply. Hay yields are usually light; 1 ton per acre per year is perhaps an average yield. Seed yields are sometimes very large, yields of 4 and 5 bushels of seed per acre being reported. Perhaps 2 bushels per acre would be a good average.

In my judgment this method of growing alfalfa may be practiced successfully on the highest and driest land in our western counties, the production of seed being the main object. I refer to Kansas seed men for alfalfa seed.

We are sowing about 40 acres of our second cutting for seed and hope to have some good seed for sale next winter. A. M. TenEyck.

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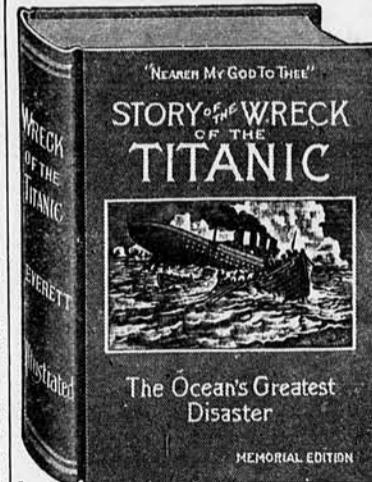
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#### Leg Weakness.

I have a colt 15 months old that seems to be partly paralyzed as it does not seem to have control over its legs. Sometimes it will get up and walk but in moving backwards or sideways it will go down in a heap, its legs crumpling under it. It does not seem to have any pain and is in good flesh.—E. T., Breckenridge, Okla.

It looks as if your colt has the nervous affection affecting the motor nerves, and I doubt very much if he will thoroughly overcome this condition. Good feed and care may assist some. I would also suggest that you give him 15 to 20 drops of tincture of nux vomica twice daily in a little bran.

#### Ruptured Colt.

I have a colt 8 months old that was ruptured at birth. At first the rupture was about the size of a pigeon's egg but now is as large as a goose egg. How can this be cured?—H. H. P., Inman, Kan.

I hardly think that the rupture on the colt will disappear without surgical aid. Occasionally small ruptures will heal up, but with your colt it seems to be getting larger and should be operated upon as soon as possible. It would be better for you to consult a good graduate veterinarian regarding the condition, than attempt to do it yourself, for you might not get all the intestines back into the abdominal cavity. It requires quite a little skill to do the job properly.

#### Ailing Pig.

I have a pig about 3 months old that is unsteady on her feet and when excited or coming to the feed trough she will fall over several times in getting there. She seems healthy otherwise. Have been feeding Merry War lye and use Kresol frequently. What is this trouble and is it contagious?—E. S. P., Newton, Kan.

The trouble with your pig is probably of nervous origin. Sometimes recovery takes place rapidly. I would suggest that you give a tablespoonful Epsom salts, alternate days, and 5 drops of tincture of nux vomica once daily. If you are feeding corn, I would also suggest that you stop feeding it until improvement is shown. I would not consider it contagious.

#### Tuberculosis Symptoms.

I have a 3-year-old heifer that was fresh the first time last November. She was bred again in January and has seemed perfectly healthy but a few days ago I noticed a lump on each flank, one of them the size of a goose egg the other not as large. She has another small lump on each side just back of the shoulder. Are these symptoms of tuberculosis?—A. O. S., Mapleton, Kan.

It is possible that your cow has tuberculosis and the enlargements situated on each flank and behind the shoulder are enlarged lymph glands. If they are tubercular glands I am afraid your cow has a generalized case as usually these

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glands are not affected unless the disease is in an advanced stage. If you wish to have your animal tested for tuberculosis you can write to the State Livestock Sanitary Commission of Topeka. It may not be tuberculosis, but I would suggest that you have the animal examined so as to be on the safe side.

#### Treatment for Thumps.

What can I do for pigs, 6 weeks old, that have the thumps? Their mother died when they were 3 weeks old and I raised them by hand. They are now running free. Also what will rid pigs, 12 weeks old, of lice?—E. L. D., Paden, Okla.

Very probably thumps in your pigs is caused by indigestion, and it would be necessary to pay strict attention to the feeding of such little pigs. Aside from the feeding I would recommend you to try 5 to 10 drops daily of the following mixture, depending upon the size of the pig:

Tincture of nux vomica, ¼ ounce.  
Tincture of Gelsemium, 1½ ounces.

You can get rid of lice by dipping them in ordinary dip or by spraying dip on them. I would prefer the dipping and would choose a nice warm day for doing it. They should be redipped in about 10 days or two weeks.

#### Skin Ailments.

I have some pigs 4 to 6 months old some of which have sore ears that seem to itch. One of them also has sores on its back and the skin is cracked. They are thrifty shoats and in fair flesh. I feed them milk slop and some corn and they run on alfalfa pasture.—N. M. S., Medford, Okla.

We frequently have letters complaining about the skin itching and cracking. Dipping in almost any of the commercial dips, used according to directions will usually produce good results. If you have only a few affected so that you can apply the treatment by hand, I would recommend you to apply the following mixture:

1 oz. of boracic acid  
1 oz. of creolin  
1 pound of vaseline or 1 pint of olive oil.

Apply this once daily, rubbing it in thoroughly. I would suggest that you stop feeding the corn for a short time.

#### Worms or Cholera.

I have about 50 head of hogs that have been running in different pastures. Ten of them were in an unplowed field that had grown up to weeds and crabgrass. They seemed to like it and did well but they suddenly quit eating corn, became weak, and two of them have died. I cut them open and found worms in their intestines 4 and 5 inches long. Some had eaten through the intestines and into the liver which appeared diseased and partly rotten. Some of my other hogs are now taken down the same way.—M. M., R. 1, Neodesha, Kan.

It is possible that the trouble with your hogs is the result of intestinal worms passing into the bile duct and obstructing the flow of bile, so that the bile is absorbed by the system, producing jaundice. It is also possible that your hogs have cholera. If it is the former feeding a little turpentine once daily in their feed ought to overcome the disease, and if it is due to cholera it will be necessary to vaccinate. I would suggest that as you are losing quite a good many that you have your local veterinarian examine one or two of the dead hogs, so as to determine if possible the exact cause of the trouble.

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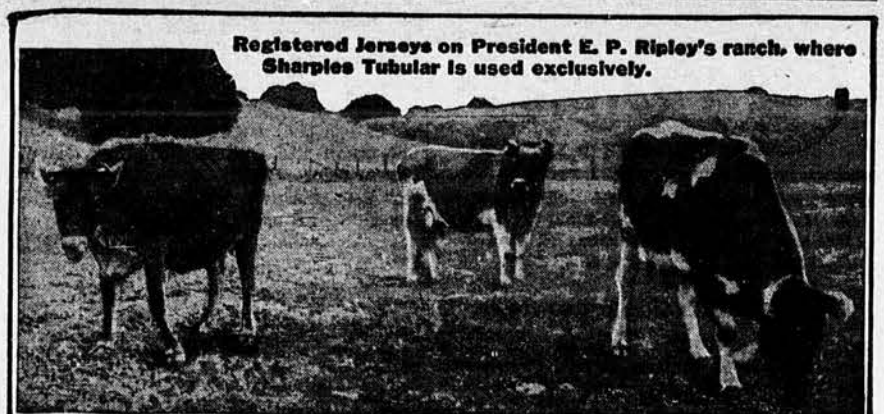
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Dairy Farming

CONDUCTED FOR FARMERS MAIL AND BREEZE BY A. G. KITTELL.

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.

Cream well cooled before shutting the cover down tight, will keep better.

When butter looks like lard there has been overworking.

It costs less to haul butter or cream to market than any other farm crop.

The dairyman with a good well and windmill can supply his own refrigerator.

The man who keeps records on his cows knows just where he stands all the time.

Shade, plenty of good water, and protection from flies will make pasture go farther.

Hurrying through the milking saves time but it does not help the milk flow. But keep steadily at it.

Drouth may take the wheat, and chinch bugs the corn, but the cream check comes once a month.

A patch of rye sown now will mean green cow pasture late this fall as well as early grazing next spring.

Built a Silo Last August.

Mr. Editor—In August, 1911, I built a concrete silo with 8-inch walls, using woven wire for reinforcing. It has a capacity of 50 tons and is perfectly satisfactory. I used 2 3/4 tons of cement in putting it up. I find concrete silos much cheaper than wooden ones where sand and stone can be had without a long haul. Where such material is scarce the stave silo is cheaper but of shorter duration. A concrete silo is permanent and needs no repair. In building them they also furnish work for our own day laborers. W. C. Butler. Salem, Mo.

Sweet Butter in Summer.

[Prize Letter.]

Mr. Editor—My way of making butter to keep it fresh and sweet in summer is, first to have a cream separator. I never put warm cream in with the cold, but mix them when both are cool and stir them up together. Keep the cream jar in a cool place and stir once or twice a day in hot weather. When ready to churn put a tablespoonful of salt in the jar of cream. After the butter has come wash two or three times with cold water, take it out and work out the water, then salt to suit the taste. Let it stand until the salt has dissolved, then work out what water may be left and pack in crocks. The secret in this way of doing is the salt put in the cream since it seems to better separate the buttermilk from the butter and makes the latter keep sweet much longer. The buttermilk is a little salty, but still good for pigs. It is very hot here in the summer season, but we have no trouble making good sweet butter, for which we find ready sale and only churn once a week. Some of my neighbors who have no separators must churn every day. We think it would pay to have a separator with only one cow. Mrs. Howard M. Robinson. R. 3, Tribbey, Okla.

An Appreciated Warning.

"My good man, they need harvest hands badly in the next county." "Thanks for the warning, boss. I'll make a detour."

A high grade, guaranteed durable live rich red barn paint is sold by the Sunflower Paint & Varnish Co. of Ft. Scott, Kansas, direct to the consumer at only 85c per gallon in 5 gal. cans, freight prepaid. This is a paint proposition worth considering by every farmer. This is a reliable company and now is paint season. Try this paint.

DE LAVAL CREAM SEPARATORS

"DOG DAYS" THE BEST TIME TO BUY ONE

There was never before as good a time to buy a DE LAVAL Cream Separator as right now.

The "dog days" are at hand when dairying is most difficult without a separator and when the increase in quantity and improvement in quality of cream and butter are greatest through the use of a good separator, which with present high prices means even more now than ever before.

Then there is the great saving of time and labor, which counts for more in summer than at any other season and often alone saves the cost of the separator, aside from all its other advantages.

This is likewise the season when DE LAVAL superiority counts for most over other separators,—in closer skimming, larger capacity, easier running, easier handling, easier cleaning and absolute sanitation.

A DE LAVAL Cream Separator bought now will easily save its cost before the end of the year, and it may be bought for cash or on such liberal terms as to actually pay for itself.

Look up the nearest DE LAVAL agent at once, or drop us a line and we will have him look you up.

THE DE LAVAL SEPARATOR CO. NEW YORK CHICAGO SAN FRANCISCO SEATTLE



Big Money!

\$5,000 Cash Salary Contest Open to All Mail and Breeze Readers...

Also Grand Free Prize Distribution—Piano, Gold Watch, Diamond Ring, etc. In Addition to Big Cash Salary!

We are just launching the greatest popular voting contest ever inaugurated by any farm paper in America. This contest is open to all who read this announcement and it is our plan to award \$5,000 in cash salaries to be distributed among all contestants. In addition to this we will give four grand prizes, consisting of a \$350 piano, a \$100 diamond ring, a \$50 talking machine, and a \$25 gold watch. Also many special prizes to those not receiving highest votes. The awarding of these prizes

does not interfere in any way with the cash salary paid to each contestant. You may be the winner of the largest cash salary prize and you may also be the winner of the first grand prize—the \$350 piano. We have awarded many thousands of dollars worth of valuable prizes in other contests conducted in the past and we can give you the names of hundreds of prize winners who will tell you that all of our contests have been conducted in an absolutely fair and square manner.

You Are Sure of Good Pay Whether or Not You Win a Prize

This contest we are planning to make the greatest of its kind ever known. We believe the conditions to be easier than those of any previous contest and we believe every contestant will receive rewards of greater value, in proportion to the effort put forth, than ever before. You do not risk one cent. We furnish full particulars and detailed information absolutely free and every prize we offer will be positively awarded at the close of the contest on Sept. 15th, 1912. The contest is just now starting and every one has an equal chance. If you want to know the full details send your name and address at once. Address: Contest Manager, Mail and Breeze, Copper Building, Topeka, Kan.

INFORMATION BLANK

Contest Manager, Farmers Mail and Breeze. Please send me detailed information concerning the Farmers Mail and Breeze \$5,000 Cash Salary Contest.

My Name ..... My Address ..... My Occupation .....

\$100 MONTHLY and expenses to trustworthy men and women to travel and distribute samples; big manufacturer. Steady work. S. Scheffer, Treas., G. W., Chicago Trial trip until January 1, 1913, for 25 cents, Mail and Breeze, Topeka, Kan.



**To Better Country Schools**

**THE COUNTY PLAN.**

A change from the district to a county supervision of country schools was a reform that was discussed at the meeting of county superintendents at Manhattan last week. E. L. Holton outlined the plan in the recent School Number of Farmers Mail and Breeze.

If all of the schools were run under the county unit plan one board in the whole county, instead of a separate board for each district, would supervise the distribution of the school tax for all the schools, as well as other county school business.

An example of how the present district system works is illustrated in Shawnee county. The assessed valuation of school district No. 1 in this county is \$282,480. The district has 60 pupils. District No. 3 which is a few miles away from the first one, has a valuation of \$573,950, more than double No. 1, while there are only 64 pupils in this school district. A line of railroad runs through the third district. Manifestly, it will not be necessary for the school board in the third district to levy more than half as much tax as the first district will have to levy to get the same kind of school facilities.

The supervision of the schools under the county system will equalize the burden of taxation, and secure better schools.

At the Manhattan meeting E. T. Fairchild, state superintendent, reported that 300,000 of the 516,000 school children in this state are being taught in rural school buildings, and that less than 25 per cent of that number are completing the grades.

The advisability of a rural school inspector, like those maintained in the South, to visit country districts and talk to and interest the country people in bettering their schools, was discussed.

"Before we can make much progress with the district schools," said Supt. Fairchild, "we must have more centralized organization of them. The old district plan is out of date. There are too many officials giving too little time to the administration of these schools. In Kansas 30,000 officials boss the 13,000 teachers. Fewer officials with more responsibility and the plan works very successfully. Of course legislation will be necessary to accomplish this change."

**At Last a Cuss-less Farm Gate**

As gates probably cause more profanity on the farm than any thing else, Mail and Breeze folks will probably be glad to learn that a cuss-less gate has actually been invented and placed on the market by a Kansas City concern. A Mail and Breeze man recently saw one tested. When the gate is opened it automatically lifts itself and swings around. In the winter time no shoveling of snow banks to clear the gateway would therefore be necessary. When the gate is shut it locks down close to the ground and cannot be moved an inch by the stock. However this lock is adjustable so the gate may readily be closed and locked at any height desired.

The material is galvanized steel tubing and a first-class quality of woven wire, all made to stand years of all kinds of weather and no hog can root under or through it. In a later issue the Mail and Breeze will print a picture of the new gate with a detailed description of it.

**No Patent on the Silo's Shape**

Some of the silo agents are telling farmers they cannot build round silos of any kind without infringing on the Harder patent right, issued to one George D. Harder in 1899. Quoting from the patent records at Washington Mr. Harder says relative to his patent and his claims:

I do not herein claim, therefore, the vertical opening from top to bottom nor the round construction of the tank or silo, nor the means for closing formed in sections and inserted so as to be removable from the top downward and arranged to be pressed against the wall or any part of the wall in an outward direction, as I am aware that these devices and elements are very old. My invention relates particularly to a special form of brace or stay piece for holding the edges of the opening at the proper distance from each other to prevent collapse and, further in the special means for holding the sections of the door firmly in place.

The claim is for a certain kind of door frame and reinforcing strips for the door sections.

A Wisconsin silo expert, C. A. Coeck, says such a door frame and strips would be unnecessary in any kind of a ma-

sonry silo, and that the doors of stave silos have been held in place for 25 or 30 years by sawing out a bevel for the reception of the doors. It is evident that farmers may go ahead building round silos without interference unless they should infringe upon this special doorway.

**Effect of Early Disking**

Mr. Editor—That careful, painstaking work in preparing the soil for wheat pays well, has been fully demonstrated here this season by L. T. Reese. Ignoring the usual custom, Mr. Reese double disked his 58-acre field early in July, 1911. After the first good rain he disked it crossways. A little before seeding time he gave it a thorough harrowing and sowed the crop between September 1 and 15. At no time did the crop show ill effects from freezing or dry weather. He has just finished threshing and this field yielded a little better than 35 bushels per acre while adjoining fields



**"McDonald Pitless" Scale**

Built to weigh accurately and last a lifetime. Requires no pit. Used for weighing U.S. Mail. 10-year guarantee. 21 years on the market. 22,252 in actual daily use.

**PROTECTED BEARINGS — NEVER FREEZE**

"The owner of a McDonald Pitless Scale gets a Square Deal." Write for catalog. MOLINE PLOW CO., Moline, Ill., Dept. No. 15.

on soil just as good produced but 15 to 20 bushels. W. J. Pattee. Smith Center, Kan.

**Kansas' First Farm Adviser**

The first Kansas county to have a permanent farm adviser is Leavenworth in the northeastern part of the state. The Leavenworth Progressive Agricultural club is behind the movement and the work of the adviser will be under

the club's direction. The man selected for the job is P. H. Ross, who graduated at Kansas Agricultural college 10 years ago. For several years thereafter he was employed by the government, then farmed in Jewell county and taught agriculture in the Jewell county high school. The club's membership will be limited to 100 and Mr. Ross will confine his labors largely to the farms of these members. The members pay an annual fee of \$2 to the club's treasury.

**BIG LAND OPENING**

**Kentwood, Louisiana, Sept. 20, 1912**

**Special Homeseekers' Rates From All Points to Kentwood and Return, Sept. 17th**

**THE SOUTH CALLS FOR MORE MEN!**

The richest and most productive section of America offers amazing opportunities to the Northern farmer—a better reward than your father ever enjoyed. Do you want a productive farm in the high, well-drained Ozone Belt of Louisiana, where two and three crops can be raised a year?

**THE BROOKS-SCANLON LUMBER COMPANY** and the **KENTWOOD AND EASTERN RAILWAY** will open up 10,000 acres of their large land holdings for settlement September 20 on the easiest terms ever offered the farmer. This land will produce big crops of Corn, Oats, Hay, Grass, Vegetables, Berries and Fruit.

We are lumbermen and railroad men and anybody familiar with the lumber industry knows that immense tracts of land with the growing timber must be bought years in advance of the sawing. We not only own a large body of land in Louisiana, but we own bodies of timber and land in Florida, Oregon, Minnesota, British Columbia and the Bahama Islands, and our interests extend to many parts of the world.

We are absolutely responsible and our interests are worth millions of dollars, as you can ascertain through any channel to which you may seek to apply. In transporting the timbers from the forests to Kentwood mills it was necessary for us to build 59 miles of railroad. Twenty-seven miles of the Kentwood & Eastern is standard gauge railroad and operates passenger and freight trains twice a day in each direction, and it is our purpose to increase the value of the railroad by actual colonists as much as to sell the land that we are making this extraordinary offer.

What we need now is the man that needs a home, and is not afraid of work. We have ample capital and can carry the payments and give an opportunity to the man who has but very little cash but plenty of ambition and energy.



We raise corn here that will make you open your eyes. John H. Henry, Jr., Melrose, La., raised 150% bu. of corn to the acre. Can you beat it?

**Read What People Who Have Been on Our Land Say:**

Palestine, Ill., 6-12-12. Some time ago I became interested in Southern lands and decided to visit **KENTWOOD FARMS**. Must say I was favorably impressed far beyond my expectations. I intend to make it my future home. You have the climate, soil, good water, abundant rainfall, in fact everything to make an ideal country. To see the growing crops is proof beyond doubt what the future is for these farms. Truly a garden spot waiting for the gardener. I intend to be among you in the near future. **BURKE BRUNER**, I. C. Engineer.

Carmi, Ill., 7-3-12. I came to Kentwood to investigate your land and I must say that in all my life I never saw so much land together with no waste land. I did not see five acres that could not be plowed. From what I have seen of the climate it is ideal and the water is fine. Saw some real good corn and other crops. I find everything as represented in your literature and I think this is a good country for a man to make his home. **GEO. W. FINCH**.

Chicago, Ill., 6-25-12. I am a booster for the South and think it a great country. The crops look fine and much farther advanced than the crops of the North. The corn up in Illinois when I left was only about 6 inches high, while there it is from waist to head high. The water is fine. The vegetable crops I have seen are fine and I think I can make good money down there and am perfectly satisfied to come. I have been from coast to coast and I think the South here is better than any place. I like the climate. **BERNARD PETERSON**, 2111 N. Albany Ave.

Florence, Neb., 6-21-12. I have been all over the United States, from Boston, Mass., to San Francisco, Calif., and have never seen anything to compare with this section, and I think

it is considerably better than you claim in your literature. I would advise any man, no matter where he is, whether in the North or the South, to make this section of Louisiana his home. I am satisfied he can make it if he works half as hard as he does wherever he may be in the North. It is my intention to make it my future home, as I find the water absolutely pure and no malaria or swamps. **O. W. BOSTON**, 518 Jefferson St.

Newport, Ky., 6-19-12. I think I have a good idea of what ground is, but I never saw such a bunch of potatoes dug out of the ground as I saw there; and the best oats I ever saw. I think that is the place to go. I wish I had found out that place years ago. I would not have to be working or worrying. I cannot tell all I want to say in writing, but if you were to call and see me I will be glad to tell you all about it. **W. J. HILL**, 225 East North Street.

What we will do for our settlers: We furnish a demonstration farm and an expert Southern farmer who will plant any variety of crop that you may designate as an experiment; who will give you expert advice at any time free of charge. We will furnish you lumber for building material right from our mill on the ground at wholesale prices. If you fall ill or something goes wrong, we will extend your payments. In case of death after one-half of the payment has been made on the property, we will give a warranty deed without further payments to your heirs. We will guarantee that your crops will make you a profit in twelve months' time if worked under the directions of our expert or refund you every penny you have paid us on your farm, plus six per cent interest. This in itself shows that we have the greatest confidence in the world in our land. We know it will yield almost any crop that can be grown in a semi-tropical country, that the land is rich and that the average farmer cannot fail if he will use his head and his hands. We could not afford to put a guarantee of this kind behind our proposition if we did not know the great majority of American farmers could more than make good. You cannot lose. We take all the risk.

**KENTWOOD, LA.**



Notice our place on the map. We are about 75 miles east of the Mississippi river.

And now for the Gulf Coast of Louisiana, the last and best farming country of them all, where two and three crops can be realized a year, where mild and enjoyable summers obtain, where a poor man stands a show, where the thousands of farmers are coming. Make up your mind to come to this opening—10,000 acres of guaranteed land, as fine as lays out of doors to be settled by actual farmers on terms never before offered in this country. No need to rent any more—here's your opportunity for a real farm in a real country. Special Homeseekers' rates from any part of the United States Sept. 17th. Remember this is great corn, oats, hay, vegetable and fruit land. If you are willing to work you can be independent in a short time if you get one of these farms.

**EXCURSION SEPTEMBER 17.**

Write for Booklets, Maps, Photos, etc., to **C. H. McNIE, LAND COMMISSIONER** Brooks-Scanlon Company, Kentwood & Eastern Railway, **KENTWOOD, LOUISIANA.** **OUT OUT THIS COUPON.**

Mr. C. H. McNie, Kentwood, La. Please reserve space for me on your special train Sept. 17, 1912.

Name .....

Rural Route .....

City .....

State .....



# The Magic in Deep-Tilled Farms!

Here are some facts about deep tilling and the money-profit to farmers who do it. Also the facts about the *Spalding Deep-Tilling Machine* which tills, pulverizes and mixes the soil, all in one operation, leaving a perfect, deep, garden-like seedbed over the entire farm. Every farm that produces its maximum profits must, finally, come to this careful, easy way of deep tilling.



Ordinary Seedbed



Spalding Machine at Work



Spalding Seedbed

Note the illustration above. It shows the rear view of the Spalding Deep-Tilling Machine. The seedbed to its right, with the high stand of corn, is the seedbed the Spalding makes. The one to the left is the kind of seedbed that most farmers are apt to make now. Note the difference in crops. We have hundreds of letters from Spalding users giving actual figures to bear out what this picture tells—not only corn figures—all kinds of crops. These farmers have plowed one field the old way and another, alongside, with the Spalding Machine, just to make an actual comparison. The results they obtained are surprising. Every up-to-date farmer should know what they are. The Spalding Machine on a thousand farms is causing some almost miraculous increases. Learn what it can do for you. Among the thousands of Spalding owners there are farmers who own just such farms as yours. Their experiences with the Spalding are exactly the same as yours will be. Write for the name of an owner near you who will show you his Spalding in operation. Get his experiences first hand.

## Why Users Laugh at Drought

Hundreds of users in drought sections say, "If we'd had that machine last year we'd have had a crop now." That's because the deep seedbed stores the winter rains, like a sponge, while the rains on the shallow-plowed land run off. It's because this pulverized, well-mixed soil liberates the utmost of the needed plant food for the long, healthy roots which can grow to their full in deep seedbeds.

Using a Spalding is like spading the whole farm, just as you spade your garden, taking even less time to do it than plowing and harrowing takes now.

The machine's operation is simple. But the results in the yields are like magic. One disk cuts a furrow four inches deep. Another disk follows, cutting the same furrow from eight to twelve inches deeper, the soil being mixed and pulverized all in the one operation. No other machine or plow does anything like it. You ought to know all about it and about the profits to farmers who deep-till every year with the Spalding.

Read over the letters from users. Then write for our book on deep tilling called "The Bulletin"—also the Spalding Catalog. Cut out this ad as a memo to send for them. Spalding Dept. AH8 Gale Manufacturing Co., Albion, Michigan

Cleveland, O., February 9, 1911.

Gentlemen: About three years ago I bought for Good Hold Farm, in Mentor, two of these plows. Last fall I bought the third. That is perhaps the best opinion that I could give in regard to this plow. If it had not been satisfactory, of course I would not have bought the third plow. As a cultivator it is correct in principle. It will cut up the hardest kind of soil. It lifts the soil up in the same manner that it is lifted up by a spade—lets the air come through it and drops it back again in a loose condition. It does not create soil, but it will cultivate it as deep as it is ever practicable.

My experience is that by under-draining and the use of the Spalding plow and disks, which work on the same principle as the plow, and by proper selection of seeds and fertilization of the soil, we have increased the products of the land on Good Hold Farm threefold. — Yours truly, L. E. HOLDEN.

Live Oak, Fla., August 18, 1911.

Gentlemen: I am in receipt of yours of the 14th, and replying thereto will say I would like to have the machine shipped as early as you can do so. In my opinion your double disk plow is the finest instrument for breaking land and turning under heavy vegetation that has yet been made. I note a wonderful difference in corn grown on land this year, broken with your tilling machine, as compared to land broken with the ordinary two-horse plow. I believe it will make at least ten bushels of corn per acre more. Please let the shipment come forward at once. Yours truly, W. J. HILLMAN.

Monmouth, Ill., April 27, 1912.

Gale Manufacturing Company, Albion, Mich.

Dear Sirs: In reference to your inquiry as to my experience with the Spalding Deep Tilling Machine, I wish to say that we bought the machine in 1910. In the fall of that year I plowed a field of about seventy acres, forty acres with a gang plow to the ordinary depth and thirty acres with the Spalding Deep Tilling Machine to an average depth of fifteen inches, cutting a furrow of about twelve inches in width. At this width and depth I considered it of very light draft, considering the amount of ground we were turning and the fact that we were only using four ordinary-sized horses.

In the spring of 1911 this field was put in corn, all was tilled the same, cultivated the same number of times, and no difference made as regards cultivation, except that the ground plowed with the Tiller was much easier to get into condition for seeding, due to the manner in which the machine pulverizes the soil.

The yield of corn per acre was as follows:  
Ground plowed with Gang Plow, ordinary depth, 24 bushels.  
Ground plowed with Spalding Machine, 15 inches, 61 bushels.

I will admit that the above results sound unreasonable, and have had a hard time realizing that it was so, but wish to say that the above results were not gained through guesswork, but by actual weight.

When the machine was first brought to my attention I hesitated about buying on account of the price, thinking it too high, but the above experience proves to me that it is without doubt the cheapest implement on the farm, and especially so, because the first cost is the only cost, as there have been no repairs.

With the experience, together with the results I have obtained, it is impossible for me to understand how any farmer can be without a SPALDING DEEP-TILLING MACHINE.

I will be glad to have you refer anyone interested in this machine to me, and want you to consider yourself at liberty to do so.

Yours very truly, F. I. BROWNELL.

**Spalding Deep Tilling Machine**

Left half of drawing by courtesy of North Dakota Agricultural College.

## CROPS and FARM WORK

(Crop Reporting Service of Farmers Mail and Breeze.)

Rains have been general in Kansas and Oklahoma. They have been corn-saving rains in both states, though where the corn was in straits they came too late to prevent damage. Corn has been badly hurt in parts of northeastern Kansas, firing badly, especially early corn. Lyon county reports damage of from 20 to 40 per cent.

Numerous rains and big rains have visited the far western counties. Sherman county has had 7 inches since July 12 and is making up for last year's failure. In Wallace, wheat and barley harvest is delayed by wet weather, and alfalfa haying suffers.

Plowing and field work for the new wheat crop are well along all over Kansas.

Stevens county reports broomcorn of good quality and buyers offer \$100 per ton as a starter. It is apparent the crop will be a short one this year, as the Oklahoma counties report a light crop because of grasshoppers and poor seed. What brush there is, however, runs from good to extra good.

Northeastern Oklahoma reports the best corn crop in years. In northwest Oklahoma, Woodward county, early corn is made. All corn will make two-fifths of a crop in Dewey and about half a normal yield in southwestern Oklahoma. Kafir and milo are making a fine showing everywhere and the rains have brought about a resumption of plowing.

### KANSAS.

**Graham County**—Late rains over most of the county have helped crops wonderfully. Prospect is good for a big supply of feed. All stock doing well though the supply is short. Threshing has commenced; wheat is selling for 77 cents; cattle high; not many to buy. Hogs scarce.—C. L. Cobler, August 10.

**Russell County**—Plenty of rain the last few days. Plowing will be finished in about two weeks. Not much threshing yet; wet

weather and low prices have caused some threshing machines to pull in for a few days. Feed and corn look fine.—Mrs. Fred Clansen, August 10.

**Douglas County**—Had a nice shower this week but need more for the corn is damaged badly. Wheat threshing about over; wheat making from 5 to 45 bushels per acre; some few report as high as 48 to 50. Pastures drying up.—J. S. Dillon, August 9.

**Osborne County**—Since August 1 we have had about 3 inches of rain. Corn is mostly in roasting ear; Kafir and roughness good; everybody busy plowing for wheat; threshing at a standstill. Wheat better than expected, making from 8 to 30 bushels.—W. F. Arnold, August 9.

**Ellsworth County**—Plenty of rain lately; about 2 inches fell Thursday and Wednesday nights making three good rains the past week. This puts the corn and feed on the growing list again and the ground in fine shape for plowing. It is too soft in places for gasoline plowing.—C. R. Blaylock, August 9.

**Wichita County**—Plenty of rain; crops doing fine; ground in good condition for plowing; better prospects for raising crops this year than for six years. Wet weather has been hard on alfalfa growers in getting hay up. All stock doing well on grass; few public sales.—J. H. Dunlap, August 9.

**Gove County**—An abundance of rain since last report. All crops looking fine; rains came too late to make a good wheat crop; some corn in roasting ears; pastures good. Cane promises a good seed crop.—H. W. Schable.

**Wallace County**—Wheat and barley harvesting has been delayed by excessively wet weather, also alfalfa haying. Corn and all feed crops looking fine, although rather late. Strong demand for cattle. Farm help scarce. C. W. Shull, August 10.

**Renov County**—West part of this county is getting much rain. It is good for corn but too wet for broomcorn. It will be so tall that common people can't reach it. The threshers have nothing to do now until the stacks dry.—D. Engelhut, August 9.

**Lincoln County**—Wheat making from 12 to 30 bushels, corn hurt badly by dry weather but had an inch of rain last night. Plowing half done. Ground has been plowed dry. Prairie hay crop short. Second cutting alfalfa short. Sowed feed a good stand; most of it short yet.—Edward J. G. Wacker, August 6.

**Washington County**—Wheat making from 17 to 25 bushels. One piece made 39. In some parts of county crops are fine. Near Hanover early corn tasseled out and tassels

died. Good rains over the county this week.—Mrs. Birdsey, August 8.

**Ford County**—Heavy rain 2 1-2 inches August 7, wet fine for feed crops. Threshing delayed. Some oats making 50 bushels. Plowing and listing for wheat general.—G. D. Noel, August 8.

**Finney County**—Very dry through July but since August 1 have been having good rains; also some hail. Part of shock threshing done, but delayed by rain. Prospects for feed better than for years. Also a good supply of water in ditches.—Frank Coen, August 8.

**Miami County**—Weather very dry here for past month; light local showers in parts of county. Three nice showers here in the last few days will help corn greatly. Early corn damaged. Fine weather for threshing; wheat turning out 7 to 40 bushels per acre; oats a good crop, turning out 25 to 50 bushels, worth 35 cents; prairie hay will be a good crop.—L. T. Spellman, August 9.

**Lyon County**—Corn damaged 20 to 40 per cent by dry weather. Hay has been cut and stacked in good condition. Light showers have kept the crops and pastures from drying. Some farmers have plowed for wheat. Considerable difference in condition and looks of corn fields; deep listed corn stands the dry weather much better. Pastures short where overpastured.—E. R. Griffith, August 10.

**Morris County**—Four inches of rain the past week put everything to the good. Early corn may have been cut a little by the dry weather but everything else will do its best. A small acreage of wheat and oats is being threshed, making from 6 to 30 bushels per acre for wheat and 20 to 35 for oats. Not many grass cattle shipped out yet; corn and hogs scarce. Prairie hay will be good quality and fair yield.—J. R. Henry, August 10.

**Sherman County**—Small grain almost all headed and fairly good. This has been the wettest harvest ever. Seven inches rainfall since July 12 and 10 straight days of it came in midst of harvest. Corn has tasseled and is earing to perfection. The forage crops could not be in better condition for a heavy yield. Wild hay is making all over the high divides. Grazing stock getting in fine shape for winter. We are making up for last year's failure.—J. B. Moore, August 10.

**Harper County**—Corn in western half of county doing fine; will make fair crop. Eastern half not much corn. Forage is fine and pasture good. Most of plowing and listing done for another crop. Good rain the 8th of August; threshing about half done, yield of wheat from 10 to 25 bushels per acre; oats from 15 to 30. More Kafir this year than ever before and promises a good crop. Some grasshopper damage.—H. E. Henderson, August 12.

**Stevens County**—Wheat threshing in progress; yield small, averaging 10 bushels per acre; quality good; no general rains since July 3 until August 6 when we had 1-2 inches. Ground in fine shape now. Farmers listing for wheat. Broomcorn cutting begun quality good; buyers offer \$100 per ton. Maize and Kafir doing fine; maize heading out.—M. Traver, August 8.

**Republic County**—The first general rain for 7 weeks fell August 5, from 2 to 5 in-

ches, varying in different localities. Hail in many places cut crops to the ground. Shock threshing about finished, yields have been running from 12 to 40 bushels, with a probable average of 18 bushels. Some fall plowing has been done and will be rushed as soon as fields are dry enough.—Ed Erickson, August 9.

### OKLAHOMA.

**Tillman County**—Plenty of rain now; corn on sandy land good; alfalfa seed crop good; feed stuff good; cotton fair; lots of peaches. D. B. Munro, August 11.

**Mays County**—Plenty of rain; crops look fine; wheat making from 9 to 20 bushels; oats 30 to 50 bushels; corn the best in years; hay is good; peaches \$1 per bushel; fat cattle selling from \$30 to \$50 per head; hogs scarce.—L. A. Howell, August 9.

**McIntosh County**—Showers on August 2 and 4; rains August 9 and 10 put everything to the good. Some corn yellow and feeble for want of cultivation. Kafir heading good. Cotton still promising big crop; some plowing for wheat; hay of all kinds looks well.—H. S. Waters, August 10.

**Choctaw County**—Good rains August 6, 7, and 8; corn fair; cotton doing well; grass looking well again; plenty of peaches at 25 cents; no apples. Good horses and mules high; cattle good price; hogs of all kinds scarce and good price.—J. W. Jones, August 10.

**Comanche County**—Soaking rains have put fields in fine shape for plowing. Corn has not suffered much from drought. Kafir promises an enormous yield and the acreage is large. Cotton is heavily loaded and a bumper yield is expected.—Fred E. Weisig, August 8.

**Pawnee County**—The weather cool, but still dry. Not much rain in 7 or 8 weeks. Mules and horses are getting high, better than Kansas City prices.—V. Funkhouser, August 8.

**Kay County**—Raining today, looks as if we would get plenty of moisture. Extra fine corn on the lowlands but the uplands have been damaged by the dry weather and bugs, although plenty of moisture would make wonderful outcome in corn and Kafir.—Sherman Jacobs.

**Grant County**—Plenty of rain for plowing and listing and everyone is busy. Threshing over except a few jobs of stack threshing. Corn poor but late rains will help some; Kafir and cowpeas fine. A good many sales and everything bringing good prices.—F. L. Craighead, August 11.

**Grady County**—Big rains last few days make plowing fine for wheat; no plowing done except in few localities. Corn had hard time getting through dry spell but will go better than 1/2 normal yield. Late crops coming on fine; cotton in good shape; watermelons for everyone.—Sam C. Hefrun, August 8.

**Texas County**—Had 3 inches of rain August 7 which is fine on all feed crops. Broomcorn pulling will start as soon as it is dry enough to work; the crop will be short this year as farmers planted three times and got no stand then. The grasshoppers got lots of late planted stuff.

(Continued on Next Page.)



**The Big Four "30"**



**SAVE MONEY THRESHING**

The Big Four "30" is the safest, surest, most economical and efficient threshing power in the world. Has many advantages over the steam engine. No water to watch, no steam to keep up, no fire and no danger of any kind. Motor runs smoothly hour after hour without attention. One man runs separator and engine. Engine and separator can be set so that wind will blow directly from engine to separator, which helps separator handle grain and makes a lot of difference to the pitchers. Only a small crew is required, instead of old-time large crews.

**Sold on Approval**  
**EMERSON-BRANTINGHAM CO.**  
 Gas Traction Division  
 525 Iron St., Rockford, Ill.

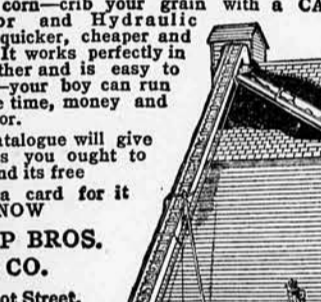
**Bigger Profits**

Pocket the money you pay out for shovelers and their board—save 1c a bushel on the cost of picking corn—crib your grain with a **CAMP Elevator and Hydraulic Dump**—quicker, cheaper and better. It works perfectly in any weather and is easy to operate—your boy can run it. Save time, money and hard labor.

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Drop a card for it today—NOW

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**15 Complete Novelettes FREE**  
 By Famous Authors

This book contains 15 complete novelettes by 15 great writers—stories of love, mystery and adventure. "The Mystery of Deepdale," by Charlotte M. Braeme; "The Fatal Secret," by Mrs. Southworth; "The Wreck of the Copeland," by Haggard; "Carbon, the Detective," by Emerson Bennett; etc., etc. We will send one copy of this great book free to all who send 10c for a 3 months' subscription to our paper. Household, Dept. "15-CN" Topeka, Kan.

**FARMERS** and poultry raisers, take notice. If you are interested in wanting to know where and how you can get more money for your poultry and eggs write to **BARR BROS., KANSAS CITY, MISSOURI.**

**Reliable Poultry Breeders**

**PLYMOUTH ROCKS.**  
 FOR SALE—Our Barred Rock breeders. A. H. Duff, Larned, Kan.

**PRIZE WINNING BARRED ROCKS**—Eggs, bables, breeders. Mrs. Gillespie, Clay Center, Kan.

**WYANDOTTES.**  
**BUFF WYANDOTTES**—Breeding stock in season. A splendid lot of youngsters coming on. The best bargains to those who buy early. Wheeler & Wylie, Manhattan, Kan.

**LEGHORNS.**  
**SPONG'S S. C. White Leghorns.** Hens \$10.00 per dozen, Alex Spong, Chanute, Kan.

**GUARANTEED** thoroughbred pure white S. C. Leghorn hens \$10.00 per doz. Cock birds at reasonable prices. J. A. Blunn, Sta. A, Wichita.

**SEVERAL VARIETIES.**  
**EGGS**—Mottled Anconas, Siddle Wallace, Weldon, Iowa.

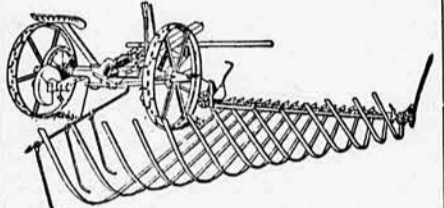
**THOROUGHbred** hens, cockerels, Runner ducks. Dollar each. Jordan Poultry Farm, Coffeyville, Kan.

**43 VARIETIES**, poultry, pigeons; cut prices on stock and eggs. Catalogue 3 cents. Missouri Squab Co., St. Louis.

**COCKERELS**, pullets, hens, drakes \$1. Any variety, including White Orpingtons. Premium free eggs next spring with immediate orders. Turkeys, Lewis Poultry Farms, Virgil, Kan.

**Saving All the Alfalfa Seed**

A "BUNCHER" HELPS.  
 The heaviest loss in cutting a seed crop of alfalfa with an ordinary mower comes from shattering by the wheels and tramping of the horses over the last cut swath. To avoid this loss a side delivery "rower" or "buncher" has been perfected and is now on the market. One may easily be made by any blacksmith at comparatively small cost.



"BUNCHER" ATTACHED TO SICKLE BAR.

Twelve or 15 iron rods of proper length, bent as shown and fastened to the back of the sickle bar is all there is to it. The bunching device on the inner end may or may not be used. Where this attachment is used it has been found a good plan to bunch the swaths into small shocks with a fork, making them just large enough to be lifted into the wagon as one forkful. This does away with the shattering that comes from tearing larger cocks to pieces when loading.

**Crops and Farm Work**

(Continued from Preceding Page.)

Ground in fine shape and plows and listers going full speed. Wheat threshing will begin when it dries. Car famine and damp wheat brought down price.—Frank Fee, August 10.

**Woodward County**—Had 1 1/2 inches of rain August 8 which places the ground in fine condition and will make the early corn; some broomcorn being pulled, brush is of good quality, crop very short owing to grasshoppers taking much of it. The farmers will demand a good price for what brush they have.—G. L. Boswell, August 10.

**Lincoln County**—Fine rains; everything growing nicely; pastures are good; Elberta peaches ripe, the largest crop in history of country, price ranges from 50 to 75 cents per bushel. Kafir and milo will make big crop; feed of all kinds will be plentiful.—J. B. Pomeroy, August 10.

**Custer County**—Over 2 inches of rain fell this week, most of it went into the ground and stubble land is in good condition for plowing for wheat. Rain came too late to benefit corn. Watermelon crop best for several years. Early Kafir in bloom; cotton doing well; broomcorn is promising a good yield.—E. E. Baker, August 10.

**Dewey County**—Our dry spell is broken at last; 2 1/2 inches of rain fell the last few days. Late corn hurt pretty badly. All corn will average perhaps 3/4 of a crop; Kafir is fine; very small amount of cotton but looks good; broomcorn cut short some, also a small acreage, but quality of brush will be extra good. Plenty of peaches and apples. Plowing for wheat in order. Few stock hogs on hand.—Wm. Liston, August 9.

**COLORADO.**

Wheat and oat harvest on dry land finished and some threshing being done. Wheat making from 18 to 30 bushels, oats from 30 to 50. Harvest in irrigated district just starting, with promise of large yield. Cantaloupe crop being harvested in Rocky Ford section. Greeley district and other potato districts report crop in fine condition. Grand Valley fruit crop will be largest in history, with harvest starting September 1. With few exceptions storage reservoirs full to capacity.—Admire.

**HOUSE CONCURRENT RESOLUTION No. 3.**

Granting equal rights and privileges to women.  
 Be it resolved by the Legislature of the State of Kansas, two-thirds of the members elected to each House thereof concurring therein:

That the following proposition to amend the constitution of the state of Kansas be hereby submitted to the qualified electors of the state for their approval or rejection, namely:

Section 1. The rights of citizens of the state of Kansas to vote and hold office shall not be denied or abridged on account of sex.

Sec. 2. This proposition shall be submitted to the electors of this state at the election for representatives to the Legislature in the year 1912. The amendment hereby proposed shall be known on the official ballot by the following title: "Amendment to the constitution granting equal rights and privileges to women," and the vote for or against such amendment shall be taken as provided by law.

Sec. 3. This amendment, if adopted, shall be known as section 8 of article 5 of the constitution of the state of Kansas.

Sec. 4. This resolution shall take effect and be in force from and after its publication in the statute book.  
 Passed the House February 7, 1911.  
 Passed the Senate February 8, 1911.  
 Approved February 9, 1911.

I hereby certify that the foregoing is a true and correct copy of original House Concurrent Resolution No. 3, now on file in my office.  
 CHAS. H. SESSIONS,  
 Secretary of State.

**Knew Good Cooking.**

Mrs. Gadd—That new minister ain't much on visitin', is he?  
 Mrs. Gabb—No, I guess maybe his wife is a purty good cook herself.

**The Range With a Reputation**

**The Economy of A New Range**  
 It is a mistaken idea of economy to try to get along—to attempt to get results with an old worn out range or cook stove merely to save the price of a new one. You can probably stick a knife blade anywhere in the seams of your worn out range where the bolts are loose and the stove putty has crumbled away and you're burning twice the fuel necessary. You can save the price of a **Great Majestic** in the saving of fuel alone—and that would be good management and real economy. Don't trust wholly to a printed description in buying a range, because a very glowing description can be given of a very ordinary range. If you are considering a new range, it will pay you, before investing your money in any range to go to some dealer who handles them and carefully compare, point for point, with any other—the

**Great Majestic Malleable and Charcoal Iron Range**

**A Perfect Baker—Fuel Saver—Outwears Three Ordinary Ranges**  
 ONLY range made of malleable iron and charcoal iron. Charcoal iron won't rust like steel—malleable iron can't break. Put together with rivets—joints and seams absolutely air-tight always. Oven lined with guaranteed pure asbestos board, covered with an iron grate—you can see it—insuring a dependable baking heat with half the fuel required in ordinary ranges.

**All Copper Movable Reservoir—Other Exclusive Features**  
 Reservoir is in direct contact with fire, heats through pocket stamped from one piece of copper—patented feature only in Majestic. **Oven Thermometer—open end ash pan—ventilated ash pit—ash cup.** Sold by dealers in nearly every county in 40 states. Write for our booklet, "Range Comparison."

**Majestic Mfg. Co.,** Aluminum Top Reservoir  
 Dept. 11, St. Louis, Mo.

**It Should Be In Your Kitchen**




Wheat field which will yield over 40 bu. per acre, taken July 20th, 1912, in the Shallow Water District, Logan County, Colorado. We are opening up a new tract of 20,000 acres of the best land in Colorado. Alfalfa will make 5 1/2 tons to the acre. Black loam soil four feet deep; clay subsoil. Fine water 8 to 20 feet. Also great corn and fruit country. Land pays for itself in two years. Agents wanted. Write for circular.

**Platte River Valley Land Company**  
 508 City Nat'l Bank Bldg. Omaha, Nebraska

**Rubber Roofing**

**Warranted For Twenty-Five Years.**  
**FREIGHT PAID** To Any Station East of Rocky Mountains, except Texas, Okla., Colo., N. D., S. D., Wyo., Mont., N. M., La., Ga., Ala., Miss., Ill., on all orders of three rolls or more. Special Prices to these States on request.

**ONE-PLY** . . . . Weighs 35 lbs., 108 Square Feet, \$1.10 per roll.  
**TWO-PLY** . . . . Weighs 45 lbs., 108 Square Feet, \$1.30 per roll.  
**THREE-PLY** . . . . Weighs 55 lbs., 108 Square Feet, \$1.50 per roll.

**TERMS CASH:** We save you the wholesalers' and retailers' profit. These special prices only hold good for immediate shipment.

**Indestructible by Heat, Cold, Sun or Rain.**

Write for **FREE SAMPLES** or order direct from this advertisement. Satisfaction guaranteed or money refunded. We refer you to Southern Illinois National Bank.  
**CENTURY MANUFACTURING COMPANY, Dept. 585 East St. Louis, Ills.**



**\$4 Puts a Set of Steel Wheels on Your Wagon**

Try wheels 30 days for heavy hauling on roughest roads. If wheels are as represented, pay balance. If not, back comes your \$4. Write for Free Measuring Device.

**EMPIRE STEEL WHEELS**

Made in one piece! All sizes, to fit any axle. Save 25% of draft. Thousands sold. Owners delighted. Life-savers for men and horses. Book Free.  
**Empire Mfg. Co., Box 950, Quincy, Ill.**



**"Horse and Cattle Doctor Book" FREE!**

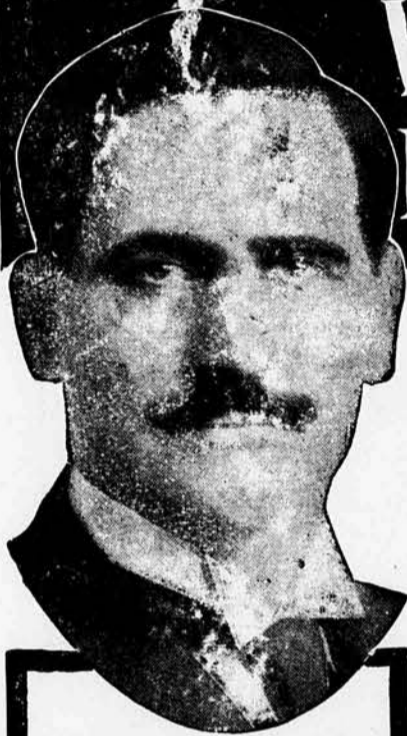
Save your sick and injured horse or cow by learning how to diagnose the case and apply the proper remedy. You'll find information on all subjects pertaining to the care of horses and cattle in our great "Horse and Cattle Doctor Book" written by two of the most noted veterinary specialists. Also tells how to overcome bad habits of the horse and cow, how to put up all kinds of remedies, etc. Hundreds of valuable suggestions. Sent free and postpaid to all sending 10 cts. to pay for a 3-months' subscription to our big paper. Household, Dept. "H. & C." Topeka, Kan.

Trial trip until January 1, 1913, for 25 cents, Mail and Breeze, Topeka, Kan.



# GALLOWAY

## MAKES YOU A WHOLESALE DEALER



### Value— That's Where I Beat Them ALL

Why am I the target for all the arguments of the dealers, jobbers, middlemen and manufacturers who sell in the roundabout way? It's because I'm in their way and doing a lot of business. They know I've got the quality and price. They've got to fight me as hard as they dare. But the Farmers are with Galloway. The farmers want value. They want the most for their money—the best for the least money, and Galloway gives it to them.

A straight line is the shortest distance between two points. Galloway sells on a straight line basis. When you buy from a dealer it's just like going home in the most roundabout way and paying \$50 for your experience, besides. Which is the better way? Get my free Spreader Book. It tells the whole story from A to Z.

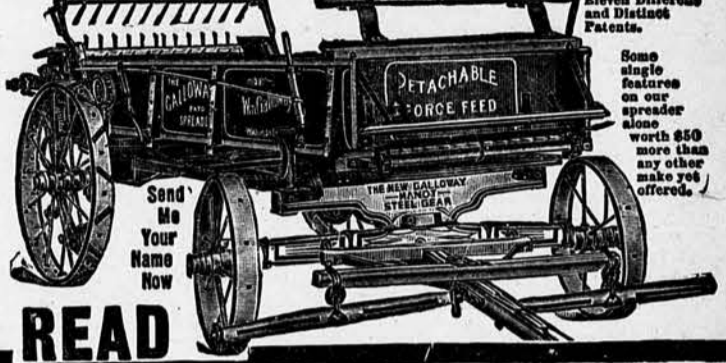
#### His Own Letter

I just wish to inform you that the team attached to the machine in the picture is a pair of three-year-old colts that have been operating the machine for the last eight months and do it with ease. That goes to show that it certainly must be of light draft. It is the easiest running spreader I have ever seen in operation.

C. C. SPEELMAN, Middlebranch, Ohio.



Only Roller Feed Spreader On the Market



Eleven Different and Distinct Patents.

Some single features on our spreader alone worth \$50 more than any other make yet offered.

Send Me Your Name Now

READ

**T**HERE'S nothing mysterious about my low prices. There's no magic—nothing except a few common-sense reasons. Yes Sir!—It's true that I put you on the same basis as a wholesale buyer. It's true that my price to you on one single spreader is lower than the retailer pays per spreader of equal quality, even buying in carload lots and paying spot cash. Just listen a minute. We buy materials in enormous quantities, so we get lowest discount prices. We pay cash, always. We eliminate all middlemen's profits and expenses. We make you your own jobber, dealer, agent and salesman, and you pocket the saving. Our catalogs are our traveling men. They don't stop at expensive hotels, they don't pay railroad fares except a few cents to Uncle Sam for postage. We manufacture spreaders right here in our own factories, using the latest, money-saving machinery—making many parts at one operation, all interchangeable and standardized—and we sell so many spreaders every year that we can afford and do take a small profit on each machine. Isn't that easy to understand? Is there any flaw in these reasons for Galloway's low prices—the prices that make dealers, jobbers and other middlemen sore at Galloway? They're not to blame—it's their system that's wrong.

## Special Manure Spreader Offer To 10 or More Men In Every Township

I've been making a special offer in order to place 10 or more Galloway spreaders in every township. I thought my offer would please the farmers but I confess I never expected such an avalanche of orders. I want to get a few of my spreaders in every township because a Galloway spreader is the best proof in the world of Galloway quality and one always sells several more. My prices speak for themselves.

### My Selling Plan Is Not Patented

Ever stop to think of that? Any manufacturer could meet me on price and quality if they sold direct to farmers and had my patents—if they made as many spreaders as I'm making—if they had my money-saving machinery—if they bought materials as low as I do. My selling plan isn't patented—anyone can use it.

### But They Can't Touch Galloway's U. S. Patents

That's where I have the call on them all even if I didn't save you \$50.00 on price! They can't touch Galloway Quality and Patents. Uncle Sam says, "keep off" on the patent question. Take the new No. 5 Galloway with Mandt's new gear, for example. It has eleven distinct and separate patents—each worth \$50 extra to you, yet they don't cost you a penny more. Mandt's new gear is certainly a masterpiece, with steel axles, covered with hard wood and clipped on with steel clips, removable hubs, and dust-proof bearings with hard oilers, flexible in every

way and just as good as ripened experience, fine materials and high-class labor can make it, which are the only things necessary for quality.

First, notice how low down it is in front as well as in the rear. Notice the detachable force feed; the simple mechanism and the irresistible roller feed, which enables us to do with eighteen to twenty pounds of the toughest malleable iron what out-of-date manure spreader manufacturers do with 400 or 500 pounds of brittle grey iron, cogs and gears. I tell you, friends, I'm mighty pleased with the Galloway Spreader and I know you will be. I operate 6 of them on my own farms.

### Why Don't You Find Out

Don't let the Price-Boosting Middlemen throw dust in your eyes on the Manure Spreader situation. **FIND OUT FOR YOURSELF—GET THE FACTS—THEN DECIDE!** If you do this, Galloway will get your order, when you're ready to buy, because he makes you your own jobber, dealer, agent and salesman and the savings you make pay you for being an independent buyer on the world's greatest manure spreader.

In addition to this all-complete Galloway Manure Spreader with Mandt's New Gear, I have a full line of six different sizes, including my wagon-box manure spreader, from \$39.50 and up—the only wagon-box spreader that will successfully fit and adjust itself to the gears you already have. Make no mistake, get my big Free Spreader Book and Price before you buy a Spreader. I can save you big money and give you superior quality.

WM. GALLOWAY, President  
The William Galloway Company

209AF Galloway Station

Waterloo, Iowa

#### SEND FOR GALLOWAY'S NEW BOOKLET

Galloway's latest, newest booklet on manure entitled, "A Streak of Gold." Full of balled down, practical and scientific information, also telling why I built two silos and a manure granery on my own farm. Information in this book worth many dollars.



### Why You Should Buy a Spreader

1. Saves time, which is cash money.
2. Saves labor, which is cash money.
3. Makes manure go three times further, which is cash money.
4. Increased crops you could not otherwise get, which is cash money.
5. Permanently increased value of your land, which is cash money.

### Why It Should Be a Galloway

- 1.—It does the job better—less resistance on man and team and pocket-book—satisfying more customers than any other spreader made.
- 2.—Has eleven distinct and original patents worth \$50 extra, without additional cost.
- 3.—Sold to you direct from factory, and most modern spreader ever produced.
- 4.—Guaranteed direct from factory and not by a third or fourth party.
- 5.—Sold 30 days' free trial—you only to decide after trying whether you want it.

### What Users Say

**W. C. MITTELSTED, West Union, Iowa.**  
We have used a Galloway Spreader for the past two years. I think it way ahead of any spreader I ever saw. It is a peach. We loaded it with the toughest manure we could find; piled all we could put on; started the horses on the run; slammed it in gear, tried our best to break it, but have not broken a penny's worth yet. Our corn went 50 bu. more per acre where we put manure. I think every farmer ought to have a Galloway Spreader that has manure to haul.

**O. E. HASKIN, Dean, Montana.**  
Am now using the Galloway Spreader that I bought of you, for the third season, and have not been out one cent for repairs, and it certainly does work fine.

**J. A. HOLMES, Greenwood, Neb.**  
I have a Galloway Spreader. It is a dandy. Would not give it for any other spreader made. Have hauled over 600 loads of manure and it is just as good as new.

**WILLIAM J. WAXMONSKY, Nodaway, Ia.**  
The longer I use my Galloway Spreader the better I like it. I don't carry such a thing as the tool box on my machine and I think that this is the only one built in the country. I would like to see a Galloway Manure Spreader on every farm in the U. S. A., because I think they are just the thing that every farmer wants. I want to thank you for the good machine you put on the market for the farmer's benefit.

**D. U. TRUDEL, Pembina, N. D.**  
I received your No. 5 Galloway about two weeks ago, and have been using it since and it's a dandy. I would not trade it for the— which retails here for \$125 for their three-horse spreader, which is about the same size as the one I have, while I can run mine with two horses where ever it is fit for a wagon.

### Special to 10 or More Men in Your Township—Are You One?

Wm. Galloway, Pres., 209AF Galloway Sta., Waterloo, Ia. Please send me at once your Special Offer based on 10 Spreaders or more in every township. Also your Catalog of all Galloway Spreaders. Free Book, "A Streak of Gold", and your new General Line Catalog—all free.

State.....County.....

Town.....

Name.....



## The WOMEN

Conducted by



## FOLKS

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.

Everything has its place. Flowers are beautiful, but the path to the house should not be overgrown with them.

Extra fruit and jellies put up now can be quickly sold in town next winter if you have more than you want.

One of the hardest things for some of us to learn is that a rested woman is of much greater value than a hem-stitched towel.

According to the way the present day mother is training her boy, she is preparing some other woman for 25 or 30 years of happiness or misery.

Fall is a good time for sowing blue-grass around the house. The ground should be finely pulverized and the seed in the ground before the fall rains begin.

The big arm holes are one of the pretty things in dresses this season. They are used in making up linen and other rather firm goods, not with lawn and batiste.

Now that the rush of summer is over it's time to think about resting up. Will those who have succeeded in taking a real rest away from the farm and its duties tell us how they planned it?

### Better Than Tin Lids.

I cover the milk with covers made from white duck. I cut them round, of a size to fit the pans, make a narrow hem all around the edge and run a small rubber through. These covers can be washed and boiled. I like them much better than tin lids. M. N. M. Shattuck, Okla.

### Green Tomato Pie.

Peel the green tomatoes, slice them and put into a pan lined with crust. Sprinkle on about 2-3 cup of sugar to each pie, put on a little flour, drop lumps of butter over the top, add about 2 tablespoons vinegar and any flavoring desired, put on a top crust and bake in a moderate oven. Mrs. Bertha Owen. R. 2, Wellington, Kan.

### Creole Toast.

This is a favorite dish in New Orleans: Two eggs well beaten, 2 tablespoons sugar, 1/2 cup milk, 1 saltspoonful of salt, dash of pepper. Stir all together in a soup plate. Take slices of stale bread, dip in this mixture and fry in butter until it is a nice brown. Mrs. Frank Carothers. R. 3, Clarence, Mo.

### Quick Custard.

Put milk on stove in sauce pan. While it is coming to a boil beat the eggs, sweeten and flavor, and stir into the milk just as if you were making flour gravy. Let boil up once, keep stirring, and set off to cool. It is all done in about five minutes, and you have a nice creamy custard. Mrs. E. A. Hicks. R. 2, Tryon, Okla.

### Chocolate Pudding.

One pint milk, 1 pint cracker crumbs, yolks of 3 eggs, 5 tablespoons grated chocolate, 1/2 cup sugar. Scald milk, add bread crumbs and chocolate, take from fire, add sugar and the yolks of eggs. Bake 15 minutes. Then beat the whites of eggs, add sugar, spread over the pudding, and brown lightly. Mrs. Carrie Wickens. R. 3, Lowell, O.

### Corn Dried on the Cob.

[Prize Recipe.]

I dry part of my sweet corn on the cob, and we like it much better than corn dried in the usual way. It looks nice, and keeps well. To dry corn on the cob select the nicest ears, put 3 inches of water in the wash boiler, fill

up with the corn and boil 20 minutes. Cover to keep in the steam. When done, so the milk is set, take out and put where the air will circulate around every ear. My way is to lay a broom handle on the table, lay one end of an ear on the handle and the other on the table. In winter when wanted for use, put the corn in water on the back of range and soak 2 hours, then prepare as fresh corn. Mrs. Sarah Marquand. Morrill, Neb.

### Makes Her Fruit Profitable.

For several years I have made jelly to sell. I go into town to the ladies who take boarders, get their glasses and fill them for 10 and 12 1/2 cents a glass, that is, a glass of half-pint size. One year I sold 600 glasses. I make gooseberry, blackberry, plum, apple, any kind of jelly fruit that I have, as they always want a variety. I also make preserves which I sell at 40 cents a quart. Mrs. Hattie A. Lankford.

### Three Things About Peaches.

The woman who has a can of choice peaches in her pantry need never worry about something appetizing to set before the unexpected guest.

The half of a big Elberta with a spoonful of whipped or straight cream over it, a dot of homemade jelly in the center is a most inviting dessert for summer or winter.

Peach juice slightly diluted with water, with the addition of lemon juice is a wholesome and refreshing drink to carry to the harvest field.

### Fruit Salad.

[Prize Recipe.]

Part One—Cut 4 oranges, 6 bananas and 1 apple into small cubes. To this add 2 slices of pineapple, 1/4 pound of English walnuts and 1/4 pound of white grapes, these also cut fine. Pour 1 cup of sugar over this and let stand.

Part Two—Salad Dressing: Beat 2 eggs thoroughly, add 1 cup of milk, 2 tablespoons cornstarch. Boil in a double boiler until very thick. When cool stir this into 1 pint of whipped cream. Pour this dressing over the prepared fruit and mix. Theo Condra. Independence, Kan.

### Keeps the Dough Board Clean.

Those who have no kitchen cabinet but use a separate dough board should make a muslin slip to cover it. Make this slip like a pillow slip. Two ripped-open flour sacks make one that is easily washed. Make the slip 3 inches wider and 4 inches longer than the board, and work a buttonhole in the center of the sewed-up end. Then get a screw with a ring end and screw it in the end of the board. Slip the case over the board with the ring through the buttonhole, and you can hang your board up out of the way of dust and flies. I drew a few large sprays of wheat (in yellow) on mine and wrote the words "Our Daily Kneeds" on one side of my cover. Visalia, Calif. Mrs. R. C. Gillespie.

### Tomato Figs.

[Prize Recipe.]

"Subscriber," who asks how to cure the yellow pear tomato with sugar, should add 6 pounds of sugar to 16 pounds of tomatoes. Scald the tomatoes and remove the skins in the usual way, then cook in the sugar without the addition of any water. Their own juice is sufficient. When the sugar has penetrated and the tomatoes are clear, remove them, spread them somewhat flattened on dishes and dry them in the sun. A small quantity of the sirup should be sprinkled over them occasionally while they are drying. When thoroughly dried, pack them in layers in boxes, treating each layer with powdered sugar. Tomato figs keep well

from year to year and retain to a surprising degree their flavor, which is very much like that of the best quality of fresh figs. Brown sugar can be used instead of granulated. Since a large portion of the sugar is retained in the sirup it is worth while to boil it down and bottle it for future use. Mrs. W. R. Groves. R. 2, Woodward, Okla.

### Points in Jelly Making.

[Prize Letter.]

It is better to make jelly on a clear, sunny day, rather than on a cloudy or rainy one. Put grapes on with a small amount of water and boil until strength is extracted. I do not like to let them drain all night, as some suggest. The less delay between cooking and making jelly the better the flavor and the better the color. New cotton flannel makes an ideal jelly bag, as the fleece catches every particle that would otherwise make muddy jelly. I always strain the juice twice, using two cloths.

Never let juice come in contact with tin. Use granite or earthenware instead. No matter how much jelly you want to make take 1 pint of juice at a time, if you want clear, firm, well flavored jelly. An exception to this is when you have a large vessel to boil in, but the juice should not be more than three fourths of an inch to an inch deep in the kettle. One teaspoonful of clear, sharp vinegar to a pint of juice will insure grape jelly free from crystals.

Put 1 pint of grape juice twice strained into a vessel over fire, add the vinegar and watch the clock. Let boil 10 minutes after it strikes the boil, then add 1 pint of sugar. Let boil again 10 minutes after it strikes the boil, then test by letting a drop fall in cold water. If it spreads out in the bottom of cup let boil a little longer and test again. When the drop falls in one mass without spreading, turn into glasses with a spoon standing in glass to prevent breaking. I have made jelly of grapes in all stages of growth and ripeness, and of a number of varieties, and have had beautiful jelly of all shades ranging from light green to pink, purple, black, and red.

Trying to make a large quantity at a time, or having juice deep in pan will never produce a really first class article. If it gets firm at all it will be darker and have a poorer flavor for the long boiling. Less sugar can be used if one wishes, but unless grapes are extra sweet pint for pint is best. I once took a premium at a fair for the best collection of jellies. It was all clear as crystal, and was made according to the rule I have just given.

Two years ago I learned that by adding the juice of half a lemon to each pint of peach juice, fine jelly can be made from peaches. The flavor is wholly of the peach, but the lemon juice provides something that is lacking in the peach, and the jelly is firm and not sticky as it would be with peach juice alone.

I am holding down a homestead on the plains, and do not get any fruit to preserve now. Mrs. M. A. Rittenour. Coolidge, Kan.

### ALL FOR \$1.10

The Biggest Half-Price Club Offer of the Season.

Here is the banner clubbing offer. It gives your family the choicest collection of newspapers and magazines at a price which is a very great bargain. You get all these four papers one year for only \$1.10.

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

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Greatest Invention of age in Acetylene industry.

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Heavier material, superior workmanship. Covered with asphalt—preventing corroding or rusting. Easily cleaned. Frost will not affect it. Clear, bright, soft, white light, easy on the eyes—cheaper than any other.

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Catalogue and full information upon request.

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Our new Fall stocks are arriving daily—and women who appreciate the advantage of early buying and early wearing, are getting ready now for fall sewing. Give us an idea what you wish to pay for dress goods and about the color you prefer—we will make up a good line of samples of the most attractive fall fabrics, and send for your inspection. A few words on a postal card will tell us what to send.

Remember that we pay postage on all orders anywhere in the United States, and express in Kansas. If you come to Topeka we refund railroad fare according to the amount of your purchases.

Mills' Mail Order Service THE MILLS CO. TOPEKA

WATCH RING & FREE CHAIN SET FOR SELLING POST CARDS. BEAUTIFULLY ENGRAVED, PLATED WATCH, equal in appearance to Solid Gold Watch, American made, guaranteed 5 years, and a beautiful Ring with an em. Diamond, we selling only 50 packages of beautiful high grade art post cards at 10c a package. Order 50 packages, send us \$2.00, and we will positively send you the Watch, Ring & Chain. WILLARD WATCH CO., Dept. 518, CHICAGO

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## FREE THIS STYLISH DRESS PATTERN!

Look at the graceful lines in this attractive costume—and yet how easy it is to make! Simple one-piece blouse and 6 gored skirt with the popular side buttons. This particular dress—suitable for street or house wear—is keeping the dress manufacturers busy. Linen, Serge, Pongee, in fact any of the favorite materials is suitable for this dressy costume. Comes in six perfect-fitting sizes; 32, 34, 36, 38, 40, 42 inches bust measure.

To quickly introduce our big home magazine of fancy work, household hints, good stories and many other special features, we make this liberal offer good only 20 days: Send 10 cts. for trial 3-months' subscription and enclose names of five housekeepers and we will send you this stylish dress pattern free. Be sure to give size, also say you want dress pattern No. 5538. Address at once,

HOUSEHOLD MAGAZINE, Pattern Dept. 203, TOPEKA, KANSAS.

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**HOME DRESSMAKING**

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



- 5689—Infants' One-Piece Shirt, Band and Drawers, cut in one size.
- 3696—Ladies' Combination, 8 sizes, 32 to 46 bust.
- 5658—Ladies' Empire Dress, closed in front, 6 sizes, 32 to 42 bust.
- 5892—Ladies' Dress, closed at left side of front, 6 sizes, 32 to 42 bust.
- 5883—Misses' and Small Women's Middy Blouse, slipped on over head, cut in sizes 14, 16, 18 yrs.
- 5102—Ladies' House Dress, without shoulder seams, 6 sizes, 32 to 42 bust.
- 5869—Misses' and Small Women's Dress, with six-gore skirt, sizes 14, 16, 18 yrs.
- 5871—Ladies' House Dress, having four-gore skirt, 6 sizes, 32 to 42 bust.
- 5706—Girls' Dress, with body and sleeves in one, cut in four sizes, 6 to 12 yrs.
- 5887—Girls Norfolk Suit, sizes 6, 8, 10, 12 yrs.

**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.**

**It's a Sure Sign.**  
 [Prize Letter.]

So many people are particular about keeping their front yard, their parlor and their best clothes clean, but neglect out of the way places, and go about their work dressed like scarecrows. Such people are not naturally neat. They do not object to dirt and disorder, but they do want the good opinion of their friends. On many farms, and—yes, on many town lots—there is enough junk behind



**Use Hard Water to Make Your Complexion Soft With JAP ROSE Soap**

JAP ROSE bubbles soften hard water instantly because the JAP ROSE base is vegetable oils of finest quality—as used in ancient days to soften and benefit the skin. JAP ROSE lather it so abundant that no rubbing is needed. Just wet the hands and pass them over JAP ROSE lightly. A large handful of lather appears. This is formed entirely of millions of tiny bubbles which purify and refresh the pores so the skin feels and looks and actually is far cleaner and healthier than with ordinary soap. It is a bathing blessing, whose use is rapidly increasing. Start using it today.

All Dealer's Sell JAP ROSE

MADE BY **KIRK** A Large Transparent Cake for 10c

Special Trial Offer—Send a 2c stamp and your dealer's name for a Free trial cake of JAP ROSE.

**JAMES S. KIRK & CO., 207 Michigan St., Chicago**

the house and among the bushes to disgust any neat person. We have had much experience renovating farmsteads. Usually there are one or two wagonloads of tinware scattered about. This is collected and either buried deep or dumped in some washout; never along the roadside or on other men's land. Then the old iron is sold, broken dishes are pounded fine for poultry. The fuel house and closets often yield a dozen pairs of old shoes and rubbers and many old hats which were not worth moving so were left for others. However, they are not as bad as the tins and bottles, for they can be burned. It takes several weeks and many good bonfires to clean up the average farm yard. It seems strange people do not destroy a thing when it is past use instead of leaving it to disfigure their homes.

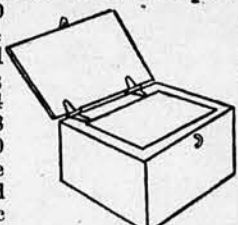
Whenever we see tools dropped where last used, rusted or broken, gates and doors off their hinges and disorder all around, we are sure the man is slack. If the men's work clothes are ragged, if the kitchen pans are set out with food for chickens or dog, if the churn and washing machine are left out doors, we wonder what the kitchen is like. Nothing indicates thrift and prosperity like having the home and everything inside and out of it clean and in order.

Burlington, Kan. M. S. M.

**A Homemade Ice Chest.**  
 [Prize Letter.]

The woman who does not care to buy a refrigerator may construct an ice chest for herself as follows: Take two pine boxes, one 30 inches long, 24 inches wide and 22 inches deep; the other 24 inches long, 18 inches wide and 20 inches deep. The smaller box should be lined with zinc and a pipe should be run through the bottom for a drain. Put 2 inches of sawdust in the larger box and set the smaller one onto it, letting the drain tube project through a hole in the bottom and leaving a 3-inch space all round. Fill this space with sawdust and tamp down tightly. To keep the sawdust from sifting over the top tack a piece of oilcloth over the space between the two boxes. Make a lid of boards large enough to cover the larger box. If it can be made double thickness all the better. Attach to the box with hinges. The box may be covered with oilcloth with newspaper beneath, which will make it still cooler. The ice can be set on a frame, and by wrapping it in several thicknesses of paper 50 pounds of ice will last nearly a week even in extreme hot weather. For those who do not have ice, wet sand packed in between the boxes will keep things cool if the sand is wet once a week.

Mrs. Pearl Proctor.  
 R. 3, Loveland, Colo.

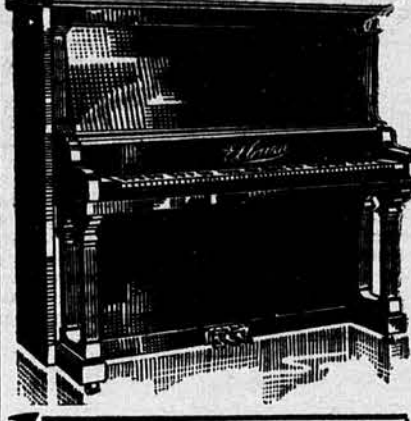


**Easy Way to Wash Overalls.**

Instead of breaking your back and blistering your fingers washing those dirty, sweaty overalls and shirts, just soak them a while in a good suds, then spread them on the wash board and scrub them with a good scrub brush. You will be greatly surprised at the difference in the looks, and it is so much easier.

Toulon, Ill. Mrs. B. Knappenburger.

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**Any Ordinary Cow Can Earn \$6 a Month, the Amount It Would Take to Buy This Magnificent Piano.**

Just think, only one of your cows would furnish the small sum required to buy an Elburn. Practically no sacrifice at all. And the pleasure the piano would bring into your home would be worth twenty times this insignificant sum. Let us send you an Elburn on free trial. You won't need to pay a cent unless you are entirely satisfied with it. If all of your friends don't say it is one of the handsomest pianos they ever saw and is worth every cent we ask you can send it back. We'll stand all of the expense.

We have hundreds of letters like the one quoted in this advertisement. Piano experts all over the country have congratulated us on being able to sell such a piano for so little. Remember we always have on hand many bargains in Used Pianos of famous makes. Write today.

**J.W. JENKINS SONS' MUSIC CO., KANSAS CITY, MO.**

**This is the Elburn H-2**  
 The Best Piano Value Ever Known for Only ... \$225  
 \$6 Monthly

Stover, Mo., March 23, 1912.  
 Gentlemen—The Elburn received, today, I wish to thank you for extraordinary treatment. The piano far exceeds my expectations. This is the second piano I have purchased from the Jenkins Music Co., and I am extra well pleased.

Wishing you success, I am,  
 (Signed) LUTHER W. TAYLOR.

gratulated us on being able to sell such a piano for so little. Remember we always have on hand many bargains in Used Pianos of famous makes. Write today.

**BOYS! Get This Rifle FREE!**

**Will Shoot 350 Times Without Reloading**

**AUTOMATIC REPEATER**  
 Works Like a WINCHESTER

**Without Reloading**

BOYS—here is the Air Rifle you have always wanted—a real repeater that loads automatically just like a Winchester or a Marlin. Nearly 3 feet long, yet weighs only 2 pounds. Uses B B shot and shoots 350 times without reloading. Will kill, at long range, crows, hawks, and all kinds of small game, such as squirrels, rabbits, etc. Barred black walnut. This splendid Rifle is just what you need for target practice and to take with you on your camping trips. No powder—no danger—yet it will shoot almost as hard and as far as a regular .22 caliber cartridge rifle. It is the safest and most powerful air rifle ever invented.

**SEND NO MONEY!** Just your name and address, and we will mail you, free and postpaid, 3 of our beautiful 12x15 Art Pictures to distribute among your friends on our grand 25-Cent Combination Offer. Then send us the \$2.00 collected and we will ship you absolutely free and express charges prepaid, this 350-Shot Repeating Air Rifle to pay you for your work. Remember, you risk not one penny as we take back pictures if you cannot dispose of them. We guarantee to refund the \$2.00 if you are not more than delighted with your Rifle after you receive it. Don't delay. Address at once,

**BOYS' RIFLE CLUB, Dept. 13, Topeka, Kansas**

**ALFALFA SEED** FOR FALL SOWING. From locality where it grows best and most abundantly. Our seed won the gold medal at the St. Louis World's Fair in competition with the world. All our seed is native grown, plump and vigorous. Write us today for prices and free samples. Address **McBETH & DALLAS, Garden City, Kansas.**

**Until Jan. 1st 1913 Only 25 cts.**  
**Mail and Breeze Special Trial Rate**

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**ARTHUR CAPPER, Publisher Farmers Mail and Breeze, Topeka, Kan.**

Dear Sir—Enclosed find 25 cents for which send the Farmers Mail and Breeze until January 1, 1913, according to your special trial offer to the following address. This is a new subscription.

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# MARKET PROBABILITIES

[Written Specially for the Farmers Mail and Breeze.]

How thoroughly alive to the shortage of beef steers packers were demonstrated last week, when prime fat steers in Chicago sold up to \$10.25 a hundred pounds, and in St. Louis and Kansas City as high as \$10.10. There was a fairly large supply at \$9.75 to \$10. These are the highest prices paid on the open market, excepting some during the big cattle show or some for the Christmas trade when the amount of advertising gained was a big consideration. One other feature was that the high prices fell with the week's receipts, at the five markets close to 100,000, or in numbers the largest in four months past. But it was beef, the right kind, killers were after and consequently they had to pay the price. Outside of the prime class the best grass fat steers, the wintered grades and the half fed Western steers brought steady to 15 cents higher prices. The plainer grades held up fairly well until Wednesday, when they yielded to the slight bear pressure. When prices are as high as they are now the moderate variations from day to day made only slight differences. The greatest price consideration has been that owners as a rule made claims for their cattle that were not justified by their showing and made even a poorer per cent on killing sheets. This is a condition that buyers try to guard against at all times but at present quality is very deceitful and backed by big claims often misleads. From another angle the market appears very firm. The inability of buyers to reduce prices with a 100,000 run is fairly good evidence that beef requirements are still running high regardless of prices. Prices may not be able to stand against a further increase in the supply, but many believe the receipts at no time this fall will exceed last week's supply. Chicago received about 6,000 Western cattle last week, and the bulk of the offerings at river markets was from the West. General rains have insured a speedy improvement in pastures and good fall grass. With a big corn crop in sight feed lots in the Central West will be open for large supplies unless prices continue prohibitive.

Another big supply of cattle was offered at Western markets Monday, but requirements for beef were large, and except a 10 cent decline were unchanged. The plainer steers prices were unchanged from late last week. Best fed steers sold at \$10 to \$10.25, the latter price being paid in Chicago. Hog prices were elevated 5 to 10 cents above Saturday. The top price in Chicago and St. Louis was \$8.55, in Kansas City \$8.37 1/2, St. Joseph \$8.35, and Omaha \$8.10. The bulk of the hogs are selling above \$8 again.

In Kansas City sheep were quoted off 10 to 15 cents and lambs 25 cents down. Other markets quoted steady prices. The following table shows receipts of cattle, hogs, and sheep at each of the five Western markets Monday, August 12.

	Cattle	Hogs	Sheep
Kansas City	19,700	3,200	15,300
Chicago	21,000	29,000	30,000
Omaha	6,500	4,700	12,000
St. Louis	7,000	5,000	6,500
St. Joseph	2,000	4,000	.....
Total	53,200	45,900	63,800
Week ago	58,400	49,700	51,100
Year ago	48,300	51,700	47,150

Grain prices today ruled uneven, though mostly steady compared with Saturday. Hay prices were unchanged.

### Butcher Cattle Market Firm.

Spayed heifers at \$9.25, yearling steers up to \$9.50, and nothing prime in the cow line. Veal calves sold in Chicago up to \$10.25. These are records in the butcher cattle division and tell their own story of urgent needs. Compared with the preceding week prices in cases were higher, but firm was the ruling quotation. Small butchers throughout the country are taking a good many grass fat heifers, and it keeps packers busy to fill their orders. Range cows at \$5 to \$5.80 in August is a new thing for the big producers to rejoice over. September and October cow prices will be as good as few will be offered, and the quality will be much better than at present. Fat bulls are as scarce, and high, relatively as other butcher cattle.

### Buying Thin Cattle Freely.

More than 12,000 stockers and feeders were shipped to country points last week from Kansas City. Other markets where the available supply was smaller reported an active demand. Prices were reported strong. Buyers have been waiting for two months expecting a break in prices, and now with fat cattle at high levels they see no probability of a

break. They have grass to save and plenty of feed for later in the year. A good many 900 to 1,100-pound feeders sold at \$7 to \$7.55.

### Unsettled Hog Prices.

Up two days, down two days, and a slightly stronger tendency the other two days was the movement in hog prices last week. Wednesday and Thursday the decline was 15 to 20 cents, and while the market later did not get back to the high level of Tuesday, there was a slight net advance for the week. Chicago though showed a net decline, and other markets are relatively higher than the lake point. The decline to a large extent was caused by the withdrawal of the shippers from the competition. The market fairly well in control of packers, bear pressure began to show. Total receipts of hogs last week at the five Western markets were about 30,000 less than in the preceding week. Kansas City received relatively the smallest supply, and Chicago nearly one half the total receipts. The average weight of hogs was some lighter, but the heavy grades are still selling below the light and medium weights. Hogs coming continue to show good health, and country reports indicate that no serious loss from cholera has occurred in any locality.

### Range Sheep Beginning to Come.

Omaha reported a material increase in the supply of sheep this week. Several large consignments of Utah and Colorado lambs arrived in Kansas City and Chicago had a liberal number of Western grassers. Officially last week marked the beginning of the big range movement. Most of the offerings were killers and unusually fat for this season of the year. In the next few weeks supplies will be large, but will include more stock and feeding lambs. Thus far flock masters have held out the ewe lambs, indicating that they are building up their herds. After three years of liquidation and a hard winter they are short. Excepting hogs a surplus sheep supply can be created in the shortest time. In the price line the market last week fell back 25 cents for lambs and continued about steady for sheep. Lambs are still selling at a fairly good price, but in consideration of the higher prices for cattle and hogs they are relatively too low.

### The Movement in Livestock.

The following table shows receipts of cattle, hogs and sheep at the five western markets last week, the previous week and a year ago:

	Cattle	Hogs	Sheep
Kansas City	54,150	27,050	23,750
Chicago	56,250	109,000	124,000
Omaha	13,700	41,700	58,700
St. Louis	28,600	35,500	26,250
St. Joseph	7,550	29,500	7,200
Total	160,250	242,750	239,900
Preceding week	134,445	271,350	234,600
Year ago	142,150	211,700	186,250

### Good Horses Sell Well.

The little demand noticed for horses was for the better classes and offerings of that quality were disposed of freely. The plainer kinds which predominated the supply sold slowly at weak prices. Dealers say that the fall trade is due to begin and the next week or two will find supplies increasing and a larger demand. Little change is expected in prices, as values have held practically steady since the busy season closed in June.

### Wheat and Hay Plentiful.

Wheat and hay are on the market in large quantities. Prices for wheat receded slightly last week, and in some cases hay brought better prices. New oats now control the market and prices are well within the 30 cent belt. Corn is in a class by itself. Prices continue high, and there will probably be only slight recessions until row corn appears as a market factor.

The following prices prevail for grain in Kansas City and St. Louis:

	Kansas City	St. Louis
Wheat—		
Hard No. 2.....	87 1/2 @ 91c	91 1/2 @ 95c
Soft No. 2.....	97 @ 99c	\$1.01 @ 1.03 1/2
Corn—		
White No. 2.....	76 1/2 @ 77c	77 @ 77 1/2 c
Mixed corn.....	75 @ 76c	77 @ 77 1/2 c
Oats—		
No. 2 white.....	34 @ 35c	32 1/2 @ 33c
No. 2 mixed.....	34 @ 34 1/2 c	29 1/2 @ 30 1/2 c

### Seed and Broomcorn.

Sorghum, amber, \$1.35@1.50 per cwt.; sumac, \$1.30@1.40; broomcorn, dwarf, \$1.40@1.50; standard, \$1.30@1.45; cowpeas, New Era, \$1.90@2.10; Whippoorwill, \$2.10 @2.25; millet seed, \$1.60@1.80; clover seed,

\$12@20; timothy, \$10@15; alfalfa, \$10@14; flaxseed, \$1.50@1.55; Kafir corn, No. 3 white, \$1.63 per cwt.

### Kansas City Hay Quotations.

Prairie, choice, new.....	9.50
Prairie, No. 1.....	9.00 @ 9.25
Prairie, No. 2.....	8.25 @ 8.75
Prairie, No. 3.....	7.00 @ 8.00
Timothy, choice.....	13.50 @ 14.00
Timothy, No. 1.....	12.50 @ 14.00
Timothy, No. 2.....	9.50 @ 12.00
Timothy, No. 3.....	6.50 @ 9.00
Clover mixed, choice.....	12.50 @ 13.00
Clover mixed, No. 1.....	11.00 @ 12.00
Clover mixed, No. 2.....	9.00 @ 10.50
Clover, choice.....	9.50 @ 10.50
Clover, No. 1.....	8.50 @ 9.00
Clover, No. 2.....	6.50 @ 8.00
Alfalfa, choice.....	14.00
Alfalfa, No. 1.....	12.50 @ 13.50
Alfalfa, No. 2.....	10.50 @ 12.00
Alfalfa, No. 3.....	8.00 @ 10.00
Straw.....	4.50 @ 4.75
Packing hay.....	5.00 @ 6.00

### Livestock in Kansas City.

While new record prices were paid for all classes of steers last week, receipts were the largest for some time past. Only about 5 per cent of the offerings were seasonably fed kinds and the others grassers. Corn fat steers sold at \$9 to \$10.10, half fed westerns \$8.25 to \$9.25, wintered westerns \$8 to \$9.20 and grass-wintered westerns \$8.30 on the native side, and \$4.50 to \$6.65, on the antique side. The spread in prices is unusually wide but caused by the great difference in quality. Cows brought firm prices. Grass fat cows sold at \$3.50 to \$4.50, and heifers at \$4.25 to \$7.25. Some prime heifers brought \$9.25, and year-spayed heifers brought \$9.25, and yearling steers \$9.45. Veal calves sold up to \$9. Feeders brought \$5.50 to \$7.75, and stockers \$4.75 to \$7.

The top price for hogs in Kansas City Saturday was \$8.30, and the bulk of the hogs sold at \$8.10 to \$8.25 or 5 to 10 cents higher than the preceding Saturday. Tuesday was the high day of the year with top price \$8.50.

The following table shows the range in prices of hogs in Kansas City on days named for the past two weeks:

	This week	Preceding wk.
Tuesday.....	\$8.15 @ 8.50	\$7.80 @ 8.10
Wednesday.....	8.10 @ 8.40	7.80 @ 8.10
Thursday.....	8.00 @ 8.27 1/2	7.85 @ 8.15
Friday.....	8.05 @ 8.32 1/2	8.00 @ 8.25
Saturday.....	8.05 @ 8.30	8.00 @ 8.30
Monday.....	8.05 @ 8.37 1/2	8.05 @ 8.37 1/2

In the first three days of the week demand for lambs was active. Some choice Utah lambs sold at \$7.55. Later the market was quoted down a big quarter. Sheep continued steady. Spring lambs are quoted at \$6.50 to \$7.25, yearlings \$4.25 to \$5.25, wethers \$3.75 to \$4.25, and ewes \$3.50 to \$4.

The following table shows receipts of cattle, hogs and sheep in Kansas City thus far this year and same period in 1911:

	1912	1911	Inc.	Dec.
Cattle.....	849,429	1,090,300	.....	240,871
Calves.....	70,294	113,781	.....	43,487
Hogs.....	1,645,230	2,023,586	.....	377,356
Sheep.....	1,194,867	1,197,261	.....	2,394
H. & M.....	47,578	52,533	.....	4,955
Cars.....	63,500	80,004	.....	16,504

### Livestock in St. Louis.

Prime Missouri steers sold last Tuesday at \$10.00, a price never before paid on this market except following the Civil war. Other good steers sold at \$9 to \$10, and some common kinds as low as \$6. Texas and Indian steers are quoted at \$5 to \$8.25. Cows and heifers were in strong request except Wednesday prices were down 15 cents. A partial recovery occurred later. Veal calves sold up to \$10 in small lots and as high as \$8.75 in car lots. Stockers and feeders were quoted firm.

Prices for hogs at mid-week broke 10 to 15 cents, but recovered the loss by Saturday, closing the week at the high level for the year with the top \$8.50 and bulk of the hogs \$8.10 to \$8.40, or 10 to 15 cents above other markets. Receipts continue moderate.

Receipts of sheep last week were not as large as in the preceding week and prices held about steady. Southern lambs are about all in and native grades are rather scarce. Lambs are quoted at \$6.50 to \$7.50, yearlings \$4.50 to \$5.50, ewes \$3.50 to \$4.25, and wethers \$3.75 to \$4.50. The following table shows receipts of livestock in St. Louis thus far this year compared with the same period in 1911:

	1912	1911	Inc.	Dec.
Cattle.....	492,613	557,987	.....	65,374
Hogs.....	1,589,881	1,829,661	.....	239,780
Sheep.....	627,207	674,402	.....	47,195
H. & M.....	100,044	104,973	.....	4,929
Cars.....	44,482	50,922	.....	6,440

### Livestock in St. Joseph.

Cattle prices last week held firm in all departments and the best offerings sold up to \$9.85, a new high record for the year, but most of the offerings were from the West. Steers are quoted at \$9 to \$9.85 for the best, fair to good \$8.25 to \$9, and the other classes \$5 up. The market appears firm at the close. Heifers are quoted at \$3.50 to \$9, calves \$4 to \$8.75, and stockers and feeders \$4.50 to \$7.25. There is a good demand for all thin cattle available.

Saturday the top price for hogs was \$8.35, and the bulk of the hogs sold above

\$8, about 10 to 15 cents higher than a week ago, but about 10 cents under the high point Tuesday. Receipts have been moderate and the market is in a firm position.

Under light receipts prices for both sheep and lambs continued about steady. The bulk of the supply came from nearby points. Lambs are quoted at \$6.50 to \$7.50, yearlings \$4.25 to \$5.25, wethers \$3.85 to \$4.40 and ewes \$3.50 to \$4.20.

The following table shows receipts of cattle, hogs and sheep in St. Joseph thus far this year compared with the same period in 1911:

	1912	1911	Inc.	Dec.
Cattle.....	255,718	277,961	.....	22,243
Hogs.....	1,330,277	1,185,593	.....	144,684
Sheep.....	402,578	388,679	.....	13,899
H. & M.....	27,171	25,601	.....	1,570

### Bayer's Shorthorns and Berkshires.

The dispersion sale of Shorthorn cattle and Berkshire hogs announced by J. T. Bayer & Sons, of Yates Center, Kan., is attracting wide attention and indications point to one of the most important sales of the year. Mr. Bayer's two sons, the junior partners in the firm, will enter the regular course at the State Agricultural college, and he feels that it becomes necessary for the present to discontinue the active business of breeding Shorthorns and Berkshires, much as he regrets to do so. Mr. Bayer has devoted the better years of his life and building up and improving his stock, and his cattle and hogs have been bred up to high standards of individual excellence and usefulness. The Shorthorn department comprises 30 head of choicely bred cattle, which will be offered in fine condition, on August 27, for public appraisal. The head of the herd is the pure Scotch bull, Ingelynie, No. 34374, sired by imported Collynie. This bull has the distinction of having won the grand championship prize at the Yates Center Breeder's association livestock show which numbered over 200 head of cattle, being one of the three largest catalogued in Kansas in 1911. The catalog included 16 head of excellent yearling heifers, head of yearling and 2-year-old heifers, which were sired by Golden Knight. An attractive feature of the Shorthorn offering will be the fine bunch of calves. These are all, be they one, and are in the best condition. The quality of these calves will evidence the great breeding merit of the Shorthorns which will be sold this sale. The Berkshires that will be sold by Bayer & Sons on August 27 consist of about 75 head of pedigreed animals. There are 40 head of strictly high class sows whose equals have seldom been put in any sale of Berkshires. They represent a great noted sire as Lee's Masterpiece, a great sire; Field Marshall, a well known show sire; B. D.'s Centerpiece, a son of Baron Duke 50, and a grandson of Masterpiece; and Second Masterpiece, the present herd sire. Many of the sows that go in this sale possess outstanding individual merit and many of them are strictly high class and of them will show sows. The greater part of them will have pigs or are bred to high class and superior among Berkshire sires of today. Second Masterpiece goes in the sale. He is only 3 years of age and is in the prime of usefulness. He has already an established national reputation as a sire. He should go to head one of the best herds of the breed and his future owner will be deserving of many congratulations. The younger portion of the Berkshires includes many boars and gilts that are strictly high class show stock. This includes a number of fall born gilts by Second Masterpiece and a number of best dams. Among these are a number of fall born from the good sow Nosegay. They should be able to win in any show and will make herd headers. Among the choice sows should be mentioned, Lady Bernice sired by Lee Star; Lady Ezitt Fourth, sired by imported Lady Ezitt and sired by the \$1,000 Baron Duke 92d; and Ideal great brood sow mentioned above; and Ideal Bernice 2d, a big typical show sow, the winner of three national prizes. Catalogs will be mailed upon application to J. T. Bayer, Yates Center, Kan. The writer, G. W. Berry, of Farmers Mail and Breeze, will attend and hopes to have the pleasure of meeting a large number of friends at the sale, and will assist in handling mail orders from those who cannot be present in person.

## One Horse Pull Press



Price \$65.00 F. O. B. Kansas City. Weight only 600 pounds. Easy to operate. Makes nice, smooth bales. The Auto-Fedan Hay Press Co., 1514 W. 12th St., K.C., Mo. Consign Us Your Hay.

## CONSIGN OR SELL TO US YOUR HAY AND GRAIN

Send us your name and we will keep you posted on the market. C. E. SHOFSTAL, HAY & GRAIN CO., 605B Live Stock Exchange, Kansas City, Mo.

## Our Special Offer

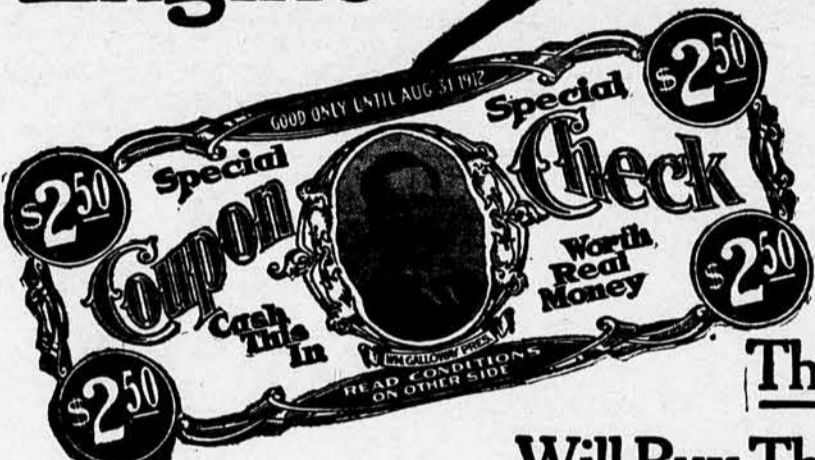
Help us to spread the gospel of better farming by placing the Farmers Mail and Breeze in the hands of your friends and neighbors who are not now readers of the paper.

We will send the Mail and Breeze to new subscribers in Kansas or Oklahoma ten weeks for ten cents. For your trouble you may keep the dime collected on each order secured. Just send us the names and addresses. They must be names of farmers who live in Kansas or Oklahoma. No others accepted.

If you will send us 10 ten-cent subscriptions and the \$1.00 collected we will extend your own subscription one year from date it is now due to expire.



# Let This Coupon Check Help Pay for a Galloway Pumping Engine



Here Is My Latest and Most Liberal Offer—

A coupon check good for \$2.50 as part payment for my famous 2½ h. p. Pumping and Light Work Engine. You always have lots of water to pump during July, August and September, and your time is too precious to do it by hand when for \$45.00 you can have it done for years to come.

**This Coupon Check, Together With \$45.00**

**Will Buy This Famous Little Power Plant**

**CUT IT OUT AND SEND IT IN WITH YOUR ORDER**

Here is an engine that will pump water, run the washing machine, churn, cream separator, corn sheller, grindstone. It makes old farm drudgery take a back seat. It makes work lighter for you, for your wife, for the hired man. It gives you all more time to do important work that has to be done.

What's the use of making an engine of yourself? Your head is the best part of you. Let the engine do the work. Let your head direct. There comes a time when no man can afford to work with his hands when his head can do it for him.

Look over your farm. Hasn't it got to producing enough so that you time is too valuable to fritter away in doing things an engine ought to do? If your farm produces \$1,500 worth of stuff a year, you can't afford to do without an engine.

Why not try the Galloway engine? Don't put it off. You have been considering it long enough, and I offer it to you to

### Test for Thirty Days at My Expense,

try it in any way that you think necessary; make it do all the work it is claimed it will do; get used to it; find out for sure whether you want to keep it or not, and if you don't like it, if it doesn't show itself a money-maker, a big paying investment, send it back. I will pay the freight charges both ways. You won't be out one cent by the investment. Give me this opportunity to prove

the engine at my risk. You don't stand to lose, and you will be shown something that will be worth a lot of money to you.

The time to do your figuring for the summer is now. Get busy before the hot weather strikes you.

Now I am absolutely coming right down to bed rock and going the limit when I offer you this \$47.50 Galloway 2½ h. p. engine, with a special coupon attached, worth \$2.50, reducing the price of it to only \$45. That \$2.50 is more than 5 per cent on your investment. It would pay you to borrow the money at 10 per cent for six months to buy this engine. By the time the six months are gone the engine will have paid for itself, I verily believe.

The hot days are coming. It's sure to be hot and dry this summer. It always is. There will come times when the wind simply won't blow for days. It's up to you either to go to town and pay three prices for an engine or pump water yourself.

Get prepared. Get busy. Get the Galloway engine out on your place so that when the windmill stops the engine can go at the job. This is the opportunity of the summer. Make ready for what you know is coming. Don't put it off for a day. Get your order in to me tonight.

I could urge you a week, but you are as convinced now as you would be then. You have been figuring on an engine—every up-to-date farmer has—it's only a question of time when one buys. You could buy later, or you could buy now. You could have the engine paying for itself while it is on your place or you can do without and pay for it without getting it at all.

If the engine is a necessity and it is, as you will easily prove when once you try it, every moment you do without it is a wrong to yourself, for that moment is losing you money.

If you don't know all about the Galloway goods and the Galloway guarantee, write for my 64-page Special Engine Catalog in colors. You must have it to buy engines right.

If You Are Interested In Larger or Smaller Size Engines—

<b>\$47.50</b>	Coupon
	Check
F.O.B. Waterloo	Good for
	\$2.50
	Part
	Payment

## The William Galloway Co.

205 Galloway Station

WATERLOO, IOWA

Write for my beautiful new and complete Engine Catalog, which illustrates and describes my complete line of Stationary and Portable Engines, from 1¾ h. p. air cooled at \$32.75, 1¾ h. p. water cooled at \$39.50, and so on up to the 15 h. p. size. This book will be mailed to you FREE with all postage paid, and you should have it if interested in an engine of any size.





# 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 type. 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.

**FOR SALE CHEAP**—Forty-five 1-year-old mules; no trade. J. H. Roper, Itasca, Tex.

**FOR SALE**—Two registered Holstein-Friesian bulls. Ralph Robinson, Hutchinson, Kan., R. No. 4.

**FOR a "High Roller" Jersey bull** about ready for service, write Chester Thomas, Waterville, Kan.

**REGISTERED Shorthorns.** Eight cows and heifers, two bulls, mostly Scotch top. Priced to sell. John Angle, Courtland, Kan.

## SEEDS AND NURSERIES.

**SEED rye, wheat, alfalfa and cowpeas;** local grown. B. F. Kelsey, Oxford, Kan.

**ALFALFA SEED**—Offer No. one alfalfa seed \$9.00, No. 2 \$6.00 bu., delivered at station in state. Sack free. Sample sent on request. No. 2 seed will give good stand, fifteen pounds per acre. L. A. Jordan, Winona, Kan.

## FOR SALE.

**FOR SALE**—Pool table complete \$60.00. Geo. D. Butts, Topeka.

**FOR SALE**—Moving picture film 10 per foot. H. Davis, Watertown, Wis.

**FOR SALE**—Twenty-five thousand hedge posts. H. W. Porth, Winfield, Kan.

**THREE GREAT PIANOS**—Steinway, Steck, Vose. Write for prices. Jenkins Music Co., Kansas City, Mo.

**NEW extracted honey** 60 pounds \$5.25, 120 pounds \$10.00. Broken comb, 58 pounds \$6.25, 116 \$12.00. Bert W. Hopper, Rocky Ford, Colo.

**FOR SALE**—Two disk gangs of 6 plows each. Have adjustable mouldboard. Have only plowed 80 acres. Price \$200.00. A. F. Boswell, Agricola, Kan.

**FOR SALE**—500 turkeys, average weight 5 lbs., will protect a community from hoppers and double in value in 3 mos. Healthy and hardy. Alpha A. Ensminger, Moran, Kan., Route 3, Box 50.

**FOR SALE**—\$4,500 stock gen. mdse., small town east central Kansas; established trade; good discount; part time; investigate this opportunity. Address "Opportunity," care Mail and Breeze.

**FOR SALE**—Stock of gen. mdse., store bldg. and 6 lots. Also 1 block of land and dwelling house, good frame barn, chicken houses and fruit and shade trees, 2 good wells. Price \$3,000.00. D. M. Gandy, Plymouth, Kan.

**A SANDWICH horse power haypress,** largest capacity will bale from 12 to 18 tons of straw per day. Good as new. Cost \$255, will sell for \$100.00. Have bought belt power press, reason for selling. Will load on cars if desired. W. R. Green, Lawrence, Kan. R. R. 7, Box 27.

## FOR EXCHANGE.

**WANTED,** to exchange nice property for small farm. Will consider western land. Address E. A. Benkendorf, Winfield, Kan.

## FARMS FOR SALE.

**80 ACRE improved farm** in Anderson Co., 8 1/2 miles from Garnett, \$45 per acre. Stacy Haynes, Baldwin, Kan.

**FOR SALE**—My well improved 375 acre stock and grain farm. One mile from town on Rock Island R. R., Mercer county, Mo. Will give easy terms. Might consider income property or good business as part pay. Address Box 33, Independence, Iowa.

**ADVERTISE YOUR PROPERTY** in Kansas Weekly Capital for quick and sure results. 100,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 25c per line of seven words. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

## FARM WANTED.

**WILL BUY** good farm. Well situated. Owners only. Give description and price. Addr. Coens, Box 754, Chicago.

## WANTED.

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

## Kerosene the Mosquitoes

If the mosquitoes are beginning to make your life miserable while out on the porch of evenings or perhaps while milking, it is sure evidence that there is a pool of water about in which they are breeding. An old tin can with water in it may serve as a breeding place, or it may be water in the rain barrel, or any pool of water standing as long as 10 days. People in the South are finding out that it pays to fight mosquitoes systematically. If a pool or pond cannot be drained it is regularly sprayed with kerosene, about an ounce of the kerosene to every 15 square feet of water. Here is a suggestion that should prove practical on many a farm. It

## LANDS.

**HOMESTEADS**—Special information. Riverside Kolona, Harrison, Ark.

**IMPROVED 80;** every convenience; town 2 miles. Write S. W. Lewin, Cement, Okla.

**I HAVE a few good Oklahoma farms** for sale on easy terms. J. W. Harp, Kiowa, Okla.

**ASK FOR FREE BOOK** about lands and crops in southern Missouri. Short & Shannon, Mountain Grove, Mo.

**TWELVE room rooming house,** 2 blocks from Agricultural College campus, to trade for land. G. E. Gregory, Manhattan, Kan.

**FOR SALE**—Nice improved 240 a. Jewell Co. farm. Price \$35.00 per acre. Easy terms. J. H. King, Cawker City, Kan.

**CHEAP IRRIGATED LAND**—120 and 280 a. tracts. Everybody send names of buyers, pay you com. Box 222, Lake Arthur, N. M.

**SOUTH DAKOTA LAND**—Eighty-acre tract near Pierre for sale. Reasonable price and terms. Wm. C. Notmeyer, Pierre, S. D.

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

**320 ACRES,** 200 plow land, finely improved, 12 miles north of Lawrence, Kan., \$47.50 per acre. \$8,000 will handle. F. S. Dolph, owner, McLouth, Kan.

**WILL SELL** all or part of choice 480 a. south part Gray Co., near new railroad. Improved. Terms. Address owner, Harper Fulton, Route 5, Ft. Scott, Kan.

**I HAVE** from 1,000 to 2,000 acres of timber land and sawmill to exchange, or will sell on one or two years' time. George E. Gilmore, Stillwell, Okla.

**LAND wanted** for cash and mdse. Quick deals. Owners do business together when you deal with me. Send complete des. and price. Fred Wolf, Abilene, Kan.

**SECURE cash** for your property, no matter where located. Write for particulars giving full description. National Property Salesman Co., Box 1, Omaha, Neb.

**DO NOT buy** that farm in southeast Nebraska or anywhere else before you write or see the great land expert: John Schowalter, Cook, Neb.

**FOR SALE**—To settle estate farm and stock ranch 680 a. near Norton, \$25 per a., terms. Would consider small farm in part payment in N. E. 1/4 Kansas. Willard Simmons, Norton, Kan.

**FOR SALE**—Educate your children in the school town of Winfield. Will save you money on fine home. For particulars address owner, Box 34A, Route No. 2, Udall, Kan.

**GOOD HOME FOR SALE**—110 acres, eight miles from Springfield, Mo.; one mile from school and station; good six room house; telephone, rural route, fruit. Address J. S. Owner, Box 222, Sabetha, Kan.

**ALFALFA lands** for sale; 700-acre alfalfa farm, four miles Shreveport; will be sold to make division property; great bargain for alfalfa and corn raiser or investor. Write at once. W. A. Jones, Shreveport, La.

**FOR SALE**—80 acres, 1/4 ml. from Wellston, Okla., 55 acres cult., 40 acres alfalfa land, 3 room house, barn and other buildings, family orchard, some timber. Price \$2,800, 1/2 cash. Mattie Burns, Wellston, Okla.

**DELIGHTFUL OREGON:** Famous Sutherland Valley orchard lands offer wonderful opportunities. Illustrated literature, maps, prices and particulars free. Luse Land & Development Company, Ltd., St. Paul, Minnesota.

**40 ACRE poultry farm** for sale 5 miles of good market, near church and school in Saline Co. Land lays well and nicely improved. Some poultry go with place. Price \$2,500; one-half cash will handle it. Add. Owner, care Mail and Breeze.

**GET YOUR Canadian home** from the Canadian Pacific. Why farm on high-priced worn out lands? Go to the rich virgin soil of Western Canada. Finest irrigated or non-irrigated lands from \$10 to \$30 an acre. Write for booklets on Manitoba, Saskatchewan and Alberta. G. M. Thornton, Colonization Commissioner, Canadian Pacific Railway, 112 West Adams street, Chicago.

## LANDS.

**IOWA CORN LANDS**—In the heart of the corn belt proper. Lands in Carroll, Calhoun, Greene and Buena Vista counties, at from \$65.00 to \$175.00 an acre. All sizes, 40 to 500 acres. Write, saying who you would like. Stephany Land Co., Carroll, Iowa.

**GET CASH** for your real estate or business: Farms, residences and business propositions handled anywhere in United States. Special attention given to real estate. Unsurpassed facilities; information free. Fisher Realty Co., 158 Market St., Hannibal, Mo.

**MINNESOTA FARMS**—Money making farms throughout the entire state, \$10 an acre up; livestock, implements and crop acre up; included. Wild lands, \$2.00 per acre often included. Write to Schwab Bros., 123 1/2 St. Send for free plat. Minneapolis, Minn. Guaranty Loan Bldg., Minneapolis, Minn.

**INVEST** in fruit land in great and fertile Arkansas Valley, Colorado, 20 miles east of Pueblo. Tracts 10 acres and up. Railway facilities. Light power and telephone at door. Good terms. Don't fail to investigate. Come and see or write owner, H. F. Sutton, Pueblo, Colorado.

**OREGON** and southern Washington. Write before investing or coming west, so you can learn the facts about the Oregon country, its attractive climate and its agricultural and other opportunities. Official information gathered and vouchered for by over 150 commercial organizations, and by Oregon State Immigration Commissioner, will be sent free on request. All inquiries answered in painstaking detail. For full information write to Room 637, Portland Commercial Club, Portland, Ore.

**160 ACRES** heavy black loam, level, fenced and cross fenced, fairly good house, fine big barn, new silo, granary, corn crib, poultry house, blacksmith shop, etc., beautiful trout stream in pasture. Two and one-half miles from splendid Chicago Co., Minn., town of 1,500 population, 50 miles north of St. Paul and Minneapolis. Price, including 50 head of stock and full line of farm machinery, only \$50 per acre, \$2,000 cash. For complete description of this and many other really extraordinary bargains, send for our new "Homeseekers' Guide, No. 9." Co-operative Realty Co., 307 Court Block, St. Paul, Minn.

## DOGS.

**BULL PUPS**—Also choice coach pups. D. H. Bibens, Garfield, Kan.

**SCOTCH COLLIE** puppies. Western Home Kennels, St. John, Kan.

**THOROUGHbred** Scotch collie pups for sale. W. H. Smece, Zurich, Kan.

## AUCTION SCHOOL.

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

## FEMALE HELP WANTED.

**MEN AND WOMEN** wanted for government jobs. \$80.00 month. Write for list of positions open. Franklin Institute, Dept. E 55, Rochester, N. Y.

**WOMEN AND GIRLS** wanted to sell our up-to-date line of beautiful Post Cards; very latest styles; enormous demand; our agents make \$2 to \$6 a day in spare time, no talking or peddling necessary; our special copyrighted selling plan and a big package of beautiful samples for only 2 cts. to pay of beautiful expense if you mean business. Butler Post Card Co., 65 Capital Block, Topeka.

## AGENTS WANTED.

**AGENT WANTED** to sell nursery stock. Must be reliable and furnish references. Good wages paid. Address, Nurseries, 2131 N. Lawrence Ave., Wichita, Kan.

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

**WANTED**—Live real estate agents in good Kansas towns to represent us in the sale of irrigated fruit lands in Grand Valley. Ref. checks required. Grand Valley Fruit & Water Co., Equitable Bldg., Denver, Colo.

**WANTED**—Five general agents in the state of Oklahoma. Mail application giving detailed information concerning past record with one bank reference. Circulation Department, Farmers Mail and Breeze, Topeka, Kansas.

## MALE HELP WANTED.

**GOVERNMENT** wants help. Write for list of positions open. Franklin Institute, Dept. E 55, Rochester, N. Y.

**GOVERNMENT** farmers wanted. \$60 monthly. Free living quarters. Write today. Ozment, 38 F. St. Louis.

**WANTED**—Colonists, working people to join the co-operative system. Address H. E. Sawdon, St. Elmo, Tenn.

**WANTED**—Immediately, men and women for government positions. Fall examinations everywhere. Prepare now. Trial examination free. Write Ozment, 38, St. Louis.

**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.

**WANTED**—Thirty young men to learn Telegraphy and accept position in station service on the Union Pacific Railroad. Address R. H. Pentz, Supervisor, Kansas City, Mo.

**500 MEN** 20 to 40 years old wanted at once for electric railway motormen and conductors; \$60 to \$100 a month; no experience necessary; fine opportunity; no strike; write immediately for application blank. Address F. care of Mail and Breeze.

**FREE ILLUSTRATED BOOK** tells about over 360,000 protected positions in U. S. service. More than 40,000 vacancies every year. There is a big chance here for you, sure and generous pay, lifetime employment. Easy to get. Just ask for booklet A. 68. No obligation. Earl Hopkins, Washington, D. C.

**WANTED:** men and women; for government positions, \$80.00 month. Annual vacations. Short hours. No "layoffs." Comm. on education sufficient. Over 12,000 appointments coming. Influence unnecessary. Farmers eligible. Send postal immediately for free list of positions open. Franklin Institute, Dept. E 55, Rochester, N. Y.

**LOCAL REPRESENTATIVE WANTED.** Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into big paying business without capital and become independent for life. Write at once for full particulars. Address E. H. Marden, Pres. The National Co-operative Real Estate Company, 157 Marden Building, Washington, D. C.

## SALESMEN WANTED.

**SALESMAN** wishing to earn three to five dollars per day, write for terms. First National Nurseries, Rochester, N. Y.

## PATENTS.

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

**PATENTS THAT PAY.** \$492,530 made by clients. 2 books—"What and How to Invent"—Proof of Fortunes in Patents" and 112-p. Guide free! E. E. Vrooman, Pat. Atty., 885 F St., Wash., D. C.

## MISCELLANEOUS.

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

**GOING TO BUILD?** We can save you money on your lumber bill. Prices and particulars free. Send address on postal. Keystone Lumber Company, Tacoma, Wash.

**WE DO ALL KINDS** of auto repairing. Cylinders and crank cases welded, radiators repaired. Dealers in second hand cars. Standard Supply & Mfg. Co., Hutchinson, Kan.

**NO COMMISSION**—Sell or trade your farm, city property or business quick and without paying commission. I can save you time and money. Inclose stamp. W. C. Schiede, Siloam Springs, Ark.

**IF YOU WANT** to send a Kansas paper to your friends, subscribe for the Kansas Weekly Capital—a whole year for only 25 cents. All the Kansas and Topeka news of the Daily Capital boiled down. The best weekly newspaper in the U. S. for the money. Address Kansas Weekly Capital, Dept. 14, Topeka, Kan.

## This and That About Bermuda

One of the faults found with Bermuda grass in Oklahoma is that after four or five years of growth in one place the grass sometimes becomes so thickly sod-bound that further growth is hindered. There is a simple remedy for this: Tear up the ground by plowing and harrowing, then drag or roll down smooth. This treatment is good both for the quantity and quality of grass.

The question is often asked as to whether or not Bermuda is beneficial to the soil on which it grows. It does not improve the soil as clover or alfalfa do, but it brings about a beneficial effect to the texture of the soil by attracting earth worms. It also improves the soil

by the addition of humus in the shape of decaying leaves, stems and roots.

## Peanuts in Butler County

Mr. Editor—I planted 2 acres of Spanish peanuts June 15 that are making a rapid growth and promise an abundant harvest. The seed with hulls on was soaked for 18 hours in an 8 per cent solution of soap and coal oil and planted wet. The plants appeared above the ground in from 3 to 6 days and the stand was excellent. As soon as all the plants were up I cultivated them with a 6-shovel cultivator and this work has since been repeated. No insect or animal pest seems to trouble the crop.

George M. Pickrell.  
R. 2, Leon, Kan.

would mean more or less trouble, but the trouble would be well paid for in the comfort secured.

## Sparrows Got the Worms

Mr. Editor—My cabbage patch has been infested with worms and I tried everything I had ever known or heard of to get rid of them but without success. Finally I coaxed some sparrows into the patch by scattering some soaked bread crumbs about. The sparrows did their work and did it so well that I have been repeating it about twice a week. This is one thing I must give sparrows credit for, for the patch has not been troubled with worms since.

Watson, Mo.

F. B. Perry.



Official Kansas Grades

Under provisions of chapter No. 222, Laws of 1907, the Grain Grading Commission appointed under said act met pursuant to published call at the Governor's office in Topeka, Kansas, on the 30th day of July, 1912, and established the following grades of grain, to be known as Kansas Grades, to be in effect on and after the 1st day of August, 1912.

J. G. MAXWELL, McPherson, THOMAS PAGE, Topeka, A. T. ROGERS, Beloit, Grain Grading Commission.

RULE 1.

Wheat which has been subjected to "securing," or to some process equivalent thereto, or containing an objectionable amount of rye, shall not be graded higher than No. 3.

RULE 2.

GENERAL.

All wheat, corn, oats, barley, rye and kafir corn that is in a heated condition, souring, or too damp to be safe for warehouse, or that is badly bin-burnt, fire-burnt, fire-smoked, or badly damaged, dirty, or where different kinds of grain are badly mixed with one another, shall be classed "Sample Grade," and the inspector shall make notation as to quality and condition; and whenever it is evident that wheat screenings or other dirt has been mixed into wheat, the same shall not be graded better than Sample Grade.

RULE 3.

LIVE WEEVIL.

Wheat containing live weevil shall not be graded, but the inspector shall give the variety of wheat and test weight, and note "Live Weevil."

RULE 4.

PLUGGED CARS.

Inspectors shall in no case make the grade of grain above that of the poorest quality found in any lot of grain inspected, where it has evidently been "plugged" or otherwise improperly loaded for the purpose of deception.

RULE 5.

REASONS FOR GRADING.

All inspectors shall make their reasons for grading below No. 2 fully known by notation on their reports. The weight alone shall not determine the grade.

RULE 6.

THE WORD "NEW."

The word "New" shall be inserted in each certificate of inspection of newly harvested wheat until September 1 of each year.

RULE 7.

REINSPECTIONS.

All orders for reinspection must be in the office within the first forty-eight hours following the original inspection, and in no case will grain be reinspected after a lapse of three days from the date of the original inspection.

RULE 8.

CLAIMS.

All claims for damages against the inspectors or weighmasters must be filed in the office before the grain has left jurisdiction of this department.

RULE 9.

MIXED WHEAT.

In case of an appreciable mixture of hard and soft wheat, red and white wheat, durum and spring wheat with each other, it shall be graded according to quality thereof and the kind of wheat predominating, shall be classed No. 1, 2, 3 or 4 Mixed Wheat, and the inspector shall make notation describing its character.

RULE 10.

SULPHURED GRAIN.

All oats or barley that has been chemically treated with sulphur shall be classed as "Sulphured Grain," and inspectors shall note same on certificates of inspection.

NOTICE.

These official Kansas Grades are given us by the Grain Grading Commission, and will be the basis of all inspections made. Misunderstandings can be avoided by interested parties making themselves familiar with these rules.

D. R. GORDEN, Chief Inspector.

HARD WINTER WHEAT.

No. 1 Dark Hard.—Shall be hard winter wheat of the dark type, sound, sweet, dry, plump and clean, and shall contain not more than ten per cent yellow berry, and shall weigh not less than sixty-one pounds to the bushel.

No. 2 Dark Hard.—Shall be hard winter wheat of the dark type, sound, sweet, dry, plump and clean, and shall contain not more than ten per cent yellow berry, and shall weigh not less than fifty-nine pounds to the bushel.

No. 3 Dark Hard.—Shall be hard winter wheat of the dark type, sound, sweet, dry; may be some bleached, but not clean or plump enough for No. 2, and shall contain not more than ten per cent yellow berry, and shall weigh not less than fifty-six pounds to the bushel.

No. 4 Dark Hard.—Shall be hard winter wheat of the dark type, tough, sprouted, or from other causes so badly damaged as to render it unfit for No. 3, and shall contain not more than ten per cent yellow berry.

HARD WINTER WHEAT.

No. 1 Yellow Hard.—Shall be hard winter wheat of the yellow type, sound, sweet, dry, plump and clean, and shall weigh not less than sixty-one pounds to the bushel.

No. 2 Yellow Hard.—Shall be hard winter wheat of the yellow type, sound, sweet, dry, plump and clean, and shall weigh not less than fifty-nine pounds to the bushel.

No. 3 Yellow Hard.—Shall be hard winter wheat of the yellow type, sound, sweet, dry, may be some bleached, but not clean or plump enough for No. 2, and shall weigh not less than fifty-six pounds to the bushel.

No. 4 Yellow Hard.—Shall be hard winter wheat of the yellow type, tough, sprouted, or from any cause so badly damaged as to render it unfit for No. 3 Hard.

KANSAS TURKEY WHEAT.

Hard winter wheat of the long berry, dark amber-colored type of the Turkey varieties shall be classed as No. 1 Kansas Turkey Hard Wheat, No. 2 Kansas Turkey Hard Wheat, No. 3 Kansas Turkey Hard Wheat, No. 4 Kansas Turkey Hard Wheat,

and inspection certificates issued accordingly; and the other specifications for each of these grades shall be the same as for Kansas Hard Winter Wheat of the same grade.

RED WINTER WHEAT.

No. 1 Red Winter.—Shall be red winter wheat, sound, sweet, dry, plump and clean, and shall weigh not less than sixty pounds to the bushel.

No. 2 Red Winter.—Shall be sound, sweet, dry, plump and clean, may contain not more than eight per cent of hard winter or white winter wheat, or both, and weigh not less than fifty-eight pounds to the bushel.

No. 3 Red Winter.—Shall be sound, sweet, dry, may be some bleached, but not clean or plump enough for No. 2, may contain not more than eight per cent of hard winter or white winter wheat, or both, and shall weigh not less than fifty-five pounds to the bushel.

No. 4 Red Winter.—May be tough, skin-burned or dirty, may contain not more than eight per cent of hard winter or white winter wheat, or both, must be cool, and shall weigh not less than fifty pounds to the bushel.

WHITE WINTER WHEAT.

No. 1 White Winter Wheat.—Shall be sound, sweet, dry, plump and clean, and shall weigh not less than fifty-eight pounds to the bushel.

No. 2 White Winter Wheat.—Shall be sweet, sound, dry and clean, and not contain more than eight per cent of red winter or hard winter wheat, and shall weigh not less than fifty-six pounds to the bushel.

No. 3 White Winter Wheat.—Shall be sound, sweet, dry, may be some bleached, but not clean or plump enough for No. 2 and contain not more than ten per cent of red winter or hard winter wheat, and shall weigh not less than fifty-three pounds to the bushel.

No. 4 White Winter Wheat.—Shall include tough, musty, dirty white winter wheat, not to contain more than ten per cent of red winter or hard winter wheat, and shall weigh not less than fifty pounds to the bushel.

No. 1 Northern Hard Spring.—Must be northern-grown spring wheat, sound, sweet, dry and clean, more than fifty per cent of the hard varieties, and weigh not less than fifty-seven pounds to the bushel.

No. 2 Northern Hard Spring.—Must be northern-grown spring wheat, not clean, sweet or sound enough for No. 1, more than fifty per cent of the hard varieties, and weigh not less than fifty-six pounds to the bushel.

No. 3 Northern Hard Spring.—Must be northern-grown spring wheat of inferior quality, more than fifty per cent of the hard varieties and weigh not less than fifty-four pounds to the bushel.

No. 4 Northern Hard Spring.—Shall include all inferior, shrunken, northern-grown spring wheat that is badly damaged, more than fifty per cent of the hard varieties, and weigh not less than forty-nine pounds to the bushel.

SPRING WHEAT.

No. 1 Dark Spring.—Shall be spring wheat of the dark variety, sound, sweet, dry, plump and clean, and shall weigh not less than fifty-nine pounds to the bushel.

No. 2 Dark Spring.—Shall be spring wheat of the dark variety, sound, sweet, dry, clean and of good milling quality, and shall weigh not less than fifty-seven pounds to the bushel.

No. 3 Dark Spring.—Shall be spring wheat of the dark variety, sweet, but may be some bleached and shrunken, and shall not weigh less than fifty-five pounds to the bushel.

No. 4 Dark Spring.—Shall include spring wheat of the dark variety, tough, musty, sprouted, or that which from any cause is rendered unfit for No. 3, and shall weigh not less than fifty pounds to the bushel.

WHITE SPRING WHEAT.

The grades of Nos. 1, 2, 3 and 4 White Spring Wheat shall correspond with the grades Nos. 1, 2, 3 and 4 dark spring wheat, except they shall be of the white variety.

DURUM (MACARONI) WHEAT.

No. 1 Durum.—Shall be bright, sound, sweet, dry and clean durum wheat, and shall weigh not less than sixty pounds to the bushel.

No. 2 Durum.—Shall be sound, sweet, dry and clean durum wheat, and shall weigh not less than fifty-eight pounds to the bushel.

No. 3 Durum.—Shall be dry, sweet, may be some bleached, or from any cause unfit for No. 2, and shall weigh not less than fifty-five pounds to the bushel.

No. 4 Durum.—Shall include durum wheat that is tough, bleached, or shrunken, and shall weigh not less than fifty pounds to the bushel.

No. 1 Pacific Coast Wheat.—Shall be dry, sound, clean, may be tainted with smut and alkali, and weigh not less than fifty-eight pounds to the bushel.

No. 2 Pacific Coast Wheat.—Shall include all other Pacific coast wheat, may be smutty or musty or for any reason unfit for flouring purposes, and weigh not less than fifty-four pounds to the bushel.

(NOTE.—In case of a mixture of red or white Pacific coast wheat with our home-grown wheat, such mixture shall be graded Pacific Coast Wheat.)

RYE.

No. 1 Rye.—Shall be plump, sound, dry and free from other grain, and well cleaned.

No. 2 Rye.—Shall be plump, sound and clean.

No. 3 Rye.—May be shrunken, bleached, and not clean enough for No. 2.

No. 4 Rye.—To include all tough, musty or dirty rye unfit for No. 3.

OATS.

No. 1 White Oats.—Shall be pure white oats, dry, sweet, sound, clean, and free from other grain.

No. 2 White Oats.—Shall be seven-eighths white, sound, dry, and contain not more than one per cent each of dirt or foreign matter or three per cent of other grain.

No. 3 White Oats.—Shall be seven-eighths white, sound, dry, and not more than three per cent of dirt or foreign matter nor five per cent of other grain.

No. 4 White Oats.—Shall be seven-eighths white, tough, musty, or from any cause unfit for No. 3.

RED OATS.

The grades of No. 1, 2, 3 and 4 Red Oats shall correspond with the grades of No. 1, 2, 3 and 4 White oats, except that they shall be of the red variety.

MIXED OATS.

No. 1 Mixed Oats.—Shall be mixed oats of various colors, dry, sound, sweet, clean, and free from other grain.

No. 2 Mixed Oats.—Shall be mixed oats of various colors, dry, sound, sweet, and not contain more than two per cent of dirt or foreign matter or three per cent of other grain.

No. 3 Mixed Oats.—Shall be mixed oats of various colors, sweet, and shall not contain more than three per cent of dirt or foreign matter or five per cent of other grain.

No. 4 Mixed Oats.—Shall be mixed oats, tough, dirty, or from any cause unfit for No. 3.

STANDARD WHITE OATS.

Shall be seven-eighths white, sound, sweet, and shall not contain more than three per cent of dirt or foreign matter, or five per cent of other grain.

BARLEY.

No. 1 Barley.—Shall be sound, bright, sweet, clean, and free from other grain.

No. 2 Barley.—Shall be sound, dry, and of good color.

No. 3 Barley.—Shall include shrunken, stained, dry barley, unfit to grade No. 2.

No. 4 Barley.—Shall include tough, musty, dirty barley.

SPELTZ.

No. 1 Speltz.—Shall be bright, sound, dry, and free from other grain.

No. 2 Speltz.—Shall be sound and dry, and not contain more than ten per cent of other grain.

No. 3 Speltz.—Shall be dry, not sound enough for No. 2, and contain not more than ten per cent of other grain.

No. 4 Speltz.—To include all speltz that is dirty, musty or tough.

CORN.

The following maximum limits shall govern all inspection and grading of corn:

Table with 4 columns: GRADE, Percentage of moisture, Percentage of rotten, exclusive of bin-burned, Percentage of dirt and broken grains.

WHITE CORN.

No. 1 White Corn.—Shall be pure white corn, and sweet.

No. 2 White Corn.—Shall be fifteen-sixteenths white, and sweet.

No. 3 White Corn.—Shall be fifteen-sixteenths white, and sweet.

No. 4 White Corn.—Shall be fifteen-sixteenths white, but shall include tough, musty, and damaged corn.

YELLOW CORN.

No. 1 Yellow Corn.—Shall be pure yellow corn, and sweet.

No. 2 Yellow Corn.—Shall be seven-eighths yellow, and sweet.

No. 3 Yellow Corn.—Shall be seven-eighths yellow, and sweet.

No. 4 Yellow Corn.—Shall be seven-eighths yellow, but shall include tough, damaged or musty corn.

MIXED CORN.

No. 1 Mixed Corn.—Shall be corn of various colors, and sweet.

No. 2 Mixed Corn.—Shall be corn of various colors, and sweet.

No. 3 Mixed Corn.—Shall be corn of various colors, and sweet.

No. 4 Mixed Corn.—Shall be corn of various colors, but shall include tough, damaged or musty corn.

KAFIR CORN.

No. 1 White Kafir Corn.—Shall be pure white, of choice quality, sound, dry, and well cleaned.

No. 2 White Kafir Corn.—Shall be seven-eighths white, sound, dry and clean.

No. 3 White Kafir Corn.—Shall be seven-eighths white, not dry or clean or sound enough for No. 2.

No. 4 White Kafir Corn.—Shall be seven-eighths white, tough, damaged, musty or dirty.

RED KAFIR CORN.

The grades of Nos. 1, 2, 3 and 4 Red Kafir corn shall correspond with grades Nos. 1, 2, 3 and 4 White Kafir corn, except that they shall be of the red variety.

MIXED KAFIR CORN.

No. 1 Mixed Kafir Corn.—Shall be mixed Kafir corn of choice quality, sound, dry, and well cleaned.

No. 2 Mixed Kafir Corn.—Shall be mixed Kafir corn, sound, dry and clean.

No. 3 Mixed Kafir Corn.—Shall be mixed Kafir corn, not clean, dry or sound enough for No. 2.

No. 4 Mixed Kafir Corn.—Shall be mixed Kafir corn, tough, musty or dirty.

MILO MAIZE.

No. 1 Milo Maize.—Shall be milo maize of choice quality, sound, dry and well cleaned.

Splendid Prospects of Bumper Grain Crops in WESTERN CANADA. Includes logo for FARMERS IN WESTERN CANADA FREE.

Latest reports from the fields of Manitoba, Saskatchewan and Alberta are to the effect that Wheat, Oats, Barley and Flax give promise of an abundant yield. Rains have been sufficient and all grains have advanced rapidly. There are now 16 million acres under crop. Railroads are built and building in all settled portions. The opportune time for getting some of this generous producing land is now. Excursions on all lines of Canadian Railways to inspect the lands. Apply for Settler's Certificate to the undersigned Canadian Government Agent: CANADIAN GOVERNMENT AGENT, 125 W. 9th St., KANSAS CITY, MISSOURI.

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As a Candidate For Governor of Kansas These Are the Things I Stand For

For revision of taxes downward—on city, county and township as well as state taxes. For the strictest economy in public expenditure—a dollar's worth of service for every dollar of the people's money. For all legislation which eliminates useless officials, clerks, commissions and boards, usually created to give jobs to political leeches and grafters. For the civil service and merit system in the transaction of all business of the state. For consolidation of boards and other public offices wherever possible. For salaries for county officials instead of the present fee-grabbing system. For a more efficient primary law, including a presidential preference, and the fullest publicity to campaign expenses and contributions, and the elimination of the slush-fund in politics. For government by the people and not the bosses, the politicians and favored special interests. For the election of state and county officers for a term of four years, subject to recall, and making state officers ineligible for more than one term. For the election of United States senators and all officials by direct vote of the people, for the non-partisan election of judicial officers and for the equal suffrage amendment now before the voters. For abolition of life terms of office of federal judges and substitution therefor of limited terms. For an amendment to the present inheritance tax law, exempting all direct heirs for at least \$25,000. For the state publication of school books and distribution to patrons at actual cost. For the Initiative, Referendum and Recall. For a practical, sensible good roads law, that will do away with the wastefulness and inefficiency of the present system. For the assessment of real estate every four years, and abolishment of the office of county assessor, except in counties where the office is created by vote of the people. For less technicality and speedier justice in courts. For legislation to increase the efficiency of the rural and grade schools. I am opposed to the resubmission of the prohibitory amendment and am for the strict and impartial enforcement of the prohibitory law and all the laws of the state without fear or favor, for rich and poor alike. For a law to give to a convict's dependent family a portion of his earnings while in the penitentiary. For more farmers and business men and fewer lawyers and politicians for legislative work. There are too many useless and foolish laws in this state. I favor their repeal or revision. I favor prison for the big thieves as well as the small ones, and am opposed to paroles for bankers. For substantial tariff reductions to the lowest basis that will support the American standard of wages. For a law that will effectively stamp out the white slave traffic. For public officials who respect their oath of office and who regard their campaign promises as a binding agreement with the people who elect them. If you believe this is a platform farmers should vote for and support I shall be glad to have you mark it or clip it from the paper and hand it to your neighbor.

Arthur Capper



# WHAT BREEDERS ARE DOING

**FRANK HOWARD,**  
Manager Livestock Department.

### FIELDMEN.

- A. B. Hunter, Kansas and Oklahoma, 410 East Williams street, Wichita, Kan.
- J. W. Johnson, Beloit, Kan., Kansas and Nebraska.
- C. H. Walker, Kansas, Missouri and Nebraska, 1015 Central, Kansas City, Mo.
- Geo. W. Berry, E. Kansas and southern Missouri, Capper Bldg., Topeka, Kan.
- Grant Gaines, Iowa, 334 Chamber of Commerce Bldg., Omaha, Neb.
- G. E. Hall, Nebraska, 334 Chamber of Commerce Bldg., Omaha, Neb.
- H. W. Graham, Iowa and Illinois, Chillicothe, Mo.
- E. R. Dorsey, Girard, Kan.

### 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.

### Percheron Horses.

- Sept. 3—D. M. Barker, Sterling, Kan.
- Oct. 25—T. H. Well, Blairtown, Ia.

### Berkshire Hogs.

- Aug. 22—Kenloch Farm, Kirksville, Mo.
- Aug. 27—J. T. Bayer & Sons, Yates Center, Kan.

### Poland China Hogs.

- Sept. 3—S. P. Chiles, Jefferson, Kan.
- Sept. 10—A. E. Campbell, Geary, Okla.
- Sept. 26—H. B. Brown, Oskatoosa, Kan.
- Oct. 8—J. D. Spangler, Sharon, Kan.
- Oct. 8—T. J. Meisner, Sabetha, Kan.
- Oct. 9—Herman Groninger & Sons, Bendena, Kan.
- Oct. 11—Thos. Murphy & Sons, Corbin, Kan.
- Oct. 15—H. C. Graner, Lancaster, Kan.
- Oct. 16—H. B. Walter, Effingham, Kan.
- Oct. 17—Harry Wales, Peculiar, Kan.
- Oct. 18—W. C. Lookabaugh, Watonga, Okla.
- Oct. 18—W. E. Long, Meriden, Kan.
- Oct. 19—Thos. F. Walker & Son, Alexandria, Neb.
- Oct. 19—C. L. Branich, Hiawatha, Kan.
- Oct. 22—Jno. W. Noll, Winchester, Kan.
- Oct. 24—L. E. Klein, Zeandale, Kan.
- Oct. 24—J. R. Mingle, Anthony, Kan.
- Oct. 25—J. J. Davis, Hiawatha, Kan.
- Nov. 1—Walter Hildwein, Fairview, Kan.
- Nov. 1—J. E. Willis, Prairie View, Kan.
- Nov. 1—Dr. Jno. Glidow & Sons, Jamesport, Mo.
- Nov. 2—E. J. Manderscheid, St. John, Kan.
- Nov. 2—J. H. Hamilton & Son, Guide Rock, Neb.
- Nov. 9—A. C. Lobough, Washington, Kan.
- Nov. 9—Lomax & Starratt, Leona, Kan.
- Nov. 13—Herman Groninger & Sons, Bendena, Kan.
- Nov. 15—W. M. Watt & Sons, Green City, Mo.
- Dec. 11—H. C. Graner, Lancaster, Kan.
- Jan. 30—C. W. Jones, Solomon, Kan.
- Feb. 15—L. E. Holmes, Bloomington, Neb.
- Feb. 15—Thos. F. Walker & Son, Alexandria, Neb.
- Feb. 18—J. H. Harter, Westmoreland, Kan.
- Feb. 22—C. C. Ingram, Bloomington, Neb.
- Feb. 26—W. E. Epley, Diller, Neb.

### Duroc-Jersey Hogs.

- Aug. 26—G. V. Bush, Marshall, Mo.
- Aug. 31—J. R. Blackshere, Elmdale, Kan.
- Sept. 4—Clasen Bros., Union City, Okla.
- Sept. 4—W. R. Huston, Americus, Kan.
- Oct. 17—Moser & Fitzwater, Goff, Kan.
- Oct. 19—H. B. Miner, Beloit, Kan.
- Oct. 22—F. H. Pagett, Beloit, Kan.
- Oct. 26—E. M. Myers, Burr Oak, Kan.
- Oct. 29—W. W. Bales & Sons, Manhattan, Kan.
- Oct. 30—Thompson Bros., Garrison, Kan.
- Oct. 31—Phillip Albrecht & Son, Athol, Kan.
- Nov. 12—Lant Bros., Dennis, Kan.
- Nov. 13—Sam'l Drybread, Elk City, Kan.
- Nov. 14—W. W. Otey & Sons, Winfield, Kan.
- Jan. 8—Munsell & Isenberg, Herington, Kan.
- Jan. 15—H. B. Miner, Guide Rock, Neb.
- Jan. 16—R. C. Crocker, Filley, Neb.
- Jan. 22—Thompson Bros., Garrison, Kan.
- Jan. 25—Glenn Keesecker, Washington, Kan.
- Jan. 29—W. E. Monasmith, Formoso, Kan.
- Jan. 31—W. H. Seddon, Persia, Ia.
- Feb. 4—J. O. Hunt, Marysville, Kan.
- Feb. 5—Samuelson Bros., Cleburne, Kan.
- Feb. 6—Samuelson Bros., Elaine, Kan.
- Feb. 7—A. T. Cross, Guide Rock, Neb.
- Feb. 9—Geo. E. Garrett, Bloomington, Neb.
- Feb. 11—H. H. Shaw, Hebron, Neb.
- Feb. 20—Geo. W. Schwab, Clay Center, Neb.
- Feb. 21—W. C. Whitney, Agla, Kan.
- Feb. 22—Geo. P. Philippi, Lebanon, Kan., at Esbon, Kan.

### O. I. C. Swine.

- Oct. 24—R. W. Gage, Garnett, Kan.
- Feb. 6—H. L. Bode, Friend, Neb.
- Feb. 7—Chas. H. Murray, Friend, Neb.

### Hampshire Hogs.

- Nov. 14—D. H. De Kalb, De Kalb, Ia.

### Shorthorns.

- Aug. 27—J. T. Bayer & Sons, Yates Center, Kan.
- Sept. 3—D. M. Barker, Sterling, Kan.
- Oct. 11—Thos. Murphy & Sons, Corbin, Kan.
- Oct. 16—H. C. Lookabaugh, Watonga, Okla.
- Nov. 15—W. M. Watt & Sons, Green City, Mo.

### Aberdeen Angus.

- Oct. 23—W. F. Eckles, Green City, Mo.

### Holstein Cattle.

- Sept. 18—S. E. Ross, Creston, Ia.

## Kansas and Oklahoma.

BY A. B. HUNTER.

### Murphy & Sons' Stock Sale.

Thos. B. Murphy & Sons, Corbin, Kan., will hold a public sale of purebred Shorthorn cattle and large type Poland China feature of the Shorthorns is the exceptional

quality of the young bulls offered, and while this will be Murphy & Sons' first annual sale of purebred swine, few breeders anywhere will be able to offer hogs of equal size and quality. Watch this paper for further particulars. Write early for catalog.

### Twenty-Five Per Cent Discount.

R. C. Watson, Altoona, Kan., is pricing Duroc-Jersey boars at 25 per cent discount from former prices if sold in 10 days. These boars are ready for heavy service and priced low to make room. They are as well bred as can be found. They carry the blood of B. & C.'s Col. and Buddy K. IV.

### Duroc Bred Sows and Gilts.

Read Marshall Bros.' ad on another page, and if you want to raise some Duroc pigs you will be proud of, write for descriptive list of those 40 bred sows and gilts they are offering at private treaty. They are well bred, big and roomy—the kind that every farmer and breeder should raise. In writing please mention Farmers Mail and Breeze.

### Poland Pigs Priced to Sell.

E. J. Manderscheid, St. John, Kan., has over 200 head of Poland Chinas. He is offering a handsome lot of choice spring pigs, either sex, in ages, numbers and price to suit the purchaser. He can furnish you with pairs and trios unrelated and out of best. They are by his two noted herd boars, Short Grass Meddler, litter brother to the grand champion at Hutchinson State Fair, 1910, and King Darkness, by Meddler 2d, the sire of G. W. Roberts' great show herd. These pigs Mr. Manderscheid is offering are out of sows by Corrector 2d, E. J. Clover Bud, Meddler Sunshine, Comptroller, Peerless Perf. 2d, and others of like note. These pigs are as good as you will hope to find and you will find the prices right. Write today, mentioning Farmers Mail and Breeze.

### Duroc-Jersey Sale Extraordinary.

J. R. Blackshere, Elmdale, Kan., will sell 50 head of sows, gilts and boars at Elmdale, Kan., Saturday, August 31. This offering will consist of 10 tried sows, 20 spring yearling gilts, 10 fall yearling gilts and 10 spring boars ready for service. This sale is the opening one of the season. The extraordinary feature of the sale is the fact that practically every individual in the offering is out of or sired by a state fair prize winner. And the fact that Mr. Blackshere has been a regular winner each year at the fair and that the sons and daughters of these winners continue to win, shows that they are bred so as to go on and produce winners. 40 head of these sows and gilts are now showing safe in pig to his good herd boars, and if you want good breeding stock don't fail to send today for a catalog; they are now ready. Please mention Farmers Mail and Breeze.

### Good News From Oklahoma.

Geo. Clasen of Perfection Stock Farm, whose Duroc sale will be September 4, at Union City, Okla., writes: "We had two good rains this week, and feel all right. I am going to have seven sows with pigs by their side, six tried sows to have pigs the latter part of September; seven fall gilts and three fall boars, eight spring gilts and four spring boars in my September 4 sale. They are all good ones. To make our word good, those unable to attend the sale can send bids to fieldmen or auctioneers in my care. Enclose cash half of the amount of the bid. Six months' time at 10 per cent will be given; five per cent off for cash. All mail order hogs will be shipped on approval when half of the cash accompanies the bid. If the hogs do not show to be worth the money they may be returned at our expense. These hogs carry the very best of blood lines such as Oklahoma King, G. C.'s Col., Gold Mine, by Grand Master Col. II, Buster Brown by Buddy K. IV. Muncie Chief and Commodore are also represented. This sale will be conducted by Colo. Groff and Bill. Breeders will be served a barrel of lemonade on tap." Write today and have your name placed on the mailing list for a catalog.

### A Percheron Horse Sale.

D. M. Barber, Sterling, Kan., will sell at auction, Tuesday, September 3, seven head of Percherons, three stallions and four mares, all furnished with certificates of registration in Percheron Society of America. Included in this auction will also be a 15-hand, heavy boned jack and eight head of purebred Shorthorn cattle consisting of four cows, three bull calves and one heifer calf. The stallion Castino, by the champion Casino, goes in this sale. He weighs over a ton and was a winner of first prize both at Kansas and Colorado state fairs. He should head some good herd. One of his sons, a drafty young stallion (coming yearling) sells, also the good stallion, Rigolot (37968), dam Biche (7590), who in good flesh weighs a ton and has stood in one locality several years with increasing popularity as a sire. The mares are all of breeding age, and included is a daughter and granddaughter of the World's Fair champion Casino. The daughter of Casino weighs 1,800 pounds and won two first prizes at Kansas State Fair, 1909. The granddaughter of Casino is a 2-year-old with plenty of size and quality, is a show mare and ready to show this season. The great brood mare Roselle 18856, safe in foal to Castino, by Casino, also will sell. The jack is a prompt server and splendid breeder. The cattle are mostly from the herds of J. F. Stodder and Marshall Bros., Burden, Kan. Don't wait but send today for a catalog and please mention Farmers Mail and Breeze.

### Huston's Duroc-Jersey Sale.

W. R. Huston, Americus, Kan., will sell Wednesday, September 4, 40 head of Duroc breeding stock consisting of 10 tried sows, 20 fall gilts and 10 fall and spring boars. They carry the blood of Improver II, Hogate's Model, Nebraska Belle, Frankfort K. Jr., Belle's Chief, Hunt's Special and

others of like note. Frankfort K. Jr. 73107, by Frankfort K., one of the best sons of Improver II headed this herd for three years and several of his get are included in this sale. He himself was a first prize winner at Nebraska State Fair and Interstate Fair, Sioux City, Iowa, and his sire Frankfort K. won the same honors the year before, 1906. He was also one of the first prize herd and second in a class of 118 at the Nebraska State Fair, 1907. Most of the fall gilts in this offering are by Belle's Chief 2d 71777 by Belle's Chief; others are by Golden Goods 70513 by Hogate's Model. These sows and gilts will be showing safe in pig sale day, bred to such sires as Superba 2d 126117 and Golden Model 3d, a line bred Golden Model. Golden Model 3d came from a long line of winning ancestors and crossed with these sows and gilts should produce the kind that win. Farmers and breeders are alike invited to come to this sale. You will not be disappointed if you want the good kind. Write today for catalog. Please mention Farmers Mail and Breeze.

## Kansas and Nebraska.

BY J. W. JOHNSON

Col. Spencer Young, Osborne, Kan., is a well known livestock man and in addition to making sales for breeders will make farm sales anywhere. Osborne county farmers who intend making sales this fall or winter should get in touch with Col. Young. His address is Osborne, Kan.

W. E. Willey, Steele City, Neb., (just across the line from Washington county, Kansas) is offering a Poland China herd boar for sale that is an outstanding boar of the best of individuality and a proven sire of merit. If you are interested write him for a full description and price. If you need a strong herd boar for a string of choice sows you can't beat this opportunity. Investigate it's.

Geo. P. Philippi, Lebanon, Kan., is a breeder of Duroc-Jerseys at that place. He is offering his crop of spring boars at private sale. He will make a bid sow sale at Esbon, Kan., which is near his farm, February 22, the day after W. C. Whitney's sale at Agra, Kan. All of his best gilts are being reserved for this sale but the choice boars are for sale at private treaty. Write him for prices and descriptions.

If you are interested in Jersey cattle look up Smith & Roberts advertisement in this issue. They are offering 30 cows and heifers and young bulls for sale. Their herd is one of the big ones of the best and is a famous show herd. They invite you to inspect their herd at the Kansas State Fair at Topeka and also at the Nebraska State Fair at Lincoln and the Iowa State Fair at Des Moines. Write them for prices.

W. E. Epley, Diller, Neb., has called off his fall crop of Poland China boars because he did not have enough to make a sale. What he has are extra good and probably the best he ever raised but he does not want to put in any of his choice gilts as he is reserving them for his bred sow sale February 26. So the choice boars that were intended for his fall sale will be offered at private sale and it is a good chance for those wanting the best of breeding (big type) and the best of individuals. He will show at the fairs this fall and you better look him up.

### Lamer Goes to France.

C. W. Lamer, the big Percheron importer and breeder, of Salina, Kan., starts for France this week to buy 60 head of Percheron stallions. He expects to return about September 1. It will be remembered that Mr. Lamer returned from France last season just in time for the State fair at Topeka. It will also be remembered that he brought over in that importation the largest 3 year old stallion that the shores of France last year produced. Mr. Lamer is a natural born horseman, and since he makes his own selections in Europe he may be depended on to bring over and offer only good ones.

### The Mitchell County Fair.

October 1, 2, 3, 4, 5 are the dates of the big Mitchell county state wide fair. The premium list is out and Secretary P. H. Pagett will be glad to mail you one by return mail if you will send him your name and address. The Mitchell county fair association is one of the strongest fair associations in the state and has the support of the Mitchell county breeders' association, which is the strongest organization of its kind in the West. The fair grounds are located just across the river in one of the most beautiful natural parks in central Kansas. It is only three blocks from both depots. The livestock show promises to be the best ever held in Mitchell county and

free entertainment of all kinds with plenty of oratory is being arranged for. The Mitchell county breeders' association's "annual feed" will be held one night during the week and everyone interested in better farm animals is invited to attend this big farmer's and breeder's supper. A good program will be arranged and it is the big event of the week. Ask Secretary Pagett for the premium list.

### Long Mogul Making Good.

J. E. Willis, Prairie View, Kan., is a breeder of big smooth Polands. He has been in the business for a number of years. He has never done much advertising and his operations have not attracted as much attention as those of other breeders. But he has scattered over that territory seed that is bringing his herd into prominence. To start with his farm is an ideal one for the business, with plenty of running water that never goes dry and plenty of shade and range. He has over 200 head of hogs and they are immune, having been vaccinated last fall with state serum and to prove its value Mr. Willis took hogs from his herd and put them in diseased herds and never lost a pig. His spring pigs will be vaccinated this coming week by the same man that did it before. Long Mogul by Blue Valley Blue and out of a Jensen's Mogul dam, is three years old and one of the best show prospects we have seen in Kansas this season. Mr. Willis is very much undecided about showing him but if he starts out with him he will be seen at leading shows. He is the sire of most of the spring and fall boars and gilts. Chief Logan sired the balance and was a hog of immense size. Many of the best herd sows are by this boar. Mr. Willis will hold his boar and gilt sale at his farm about half way between Prairie View and Logan. It will be one of the strongest offerings to be made this season. Other announcements will appear later.

### A Believer in Immunization.

G. H. Ramaker, Prairie View, Kan., is well and favorably known as a breeder of Duroc-Jerseys of the best of breeding. In addition to the popular blood lines in the herd is the ability of Mr. Ramaker to grow out his pigs in such a manner as to be most profitable to their purchasers. Mr. Ramaker has bought as many valuable sows and paid as long prices for them as any breeder in the state and these investments have always proved good. King of Kant Be Beat was raised by Mr. Ramaker and was from a sow that he bought in Nebraska that cost him considerable money. But the great sire she raised made her a cheap sow after all. Mr. Ramaker also raised 30 gilts that he sold to the Springdale stock farm, Concordia, Kan., as a foundation for their herd that was probably the best 30 gilts ever raised in Kansas by one breeder. They developed into great herd sows that have more than met expectations for the proprietors of that herd. This season Mr. Ramaker raised 118 live pigs from 14 sows. These pigs were farrowed after May 15 and up to July 15. They are the showiest lot of pigs we have seen this season. They were sired mostly by King of Prairie Queen, one of the best boars we know of anywhere. Mr. Ramaker is a firm believer in the immunizing process as advocated by the Agricultural college and every thing on his place is immunized except the young pigs and he expects the man there this week to do that. Better get in touch with Mr. Ramaker.

### Duroc-Jerseys—Concrete Silos.

W. C. Whitney, Agra, Kan., one of the best known breeders of Duroc-Jerseys, has a nice crop of spring pigs and has claimed February 23 for his bred sow sale. The same will be advertised in Farmers Mail and Breeze in due time. "Cris" Whitney is a very interesting man to talk to and a visit with him is always pleasant. He owns a fine farm of 250 acres joining Agra and is up to date in everything pertaining to farming and the stock business. Two years ago he agitated the silo question and he and three neighbors built cement silos under the direction of the Agricultural college. Now there are nine silos within three miles of Agra. Most of them are getting ready to build their second silo this year. Mr. Whitney will build another just like the one he has now and a number of the other gentlemen will do the same. All of them are patterns of the first four they built and the additional ones to be built this season are exactly like them except that some of them may be larger. 15 by 30 is the size of the old ones and they give perfect satisfaction. Mr. Whitney and a neighbor bought this season a Titan oil pull which is used in filling the silos and for plowing. Mr. Whitney took us out to see it work and it is a wonder. It is an easy matter to plow 20 acres per day and Mr. Whitney's 18 year old son, Carl is running



**H. S. DUNCAN,**  
Live Stock Auctioneer,  
Clearfield, Ia.



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it. The expense for fuel oil is about \$4 per day. But we were going to tell you about his Duroc-Jerseys. This season's crop of spring pigs were sired by a good son of Prince Wonder 2nd. The 25 fall gilts are by Kansas Red Col., he by Buddy K. IV. There are 10 fall and summer boars that are for sale of the same breeding and they are right in every way and will be priced right. Write to Mr. Whitney for prices and descriptions on these boars.

**Kansas, Missouri and Iowa.**

BY C. H. WALKER.

**Bought Chapin's Durocs.**

A recent transaction of much importance was the purchase by Moser & Fitzwater of Goff, Kan., of the entire spring crop of pigs owned by Grant Chapin of Green, Kan. This addition to their already good herd without doubt puts the Moser and Fitzwater herd in the king row and in a position to supply the trade with the very best. Kansas Duroc history records few greater successes than that made by Grant Chapin and it also goes to show that the members of this firm are wide awake to the best interests of their customers. Moser & Fitzwater will on October 17 at Goff make a selected draft sale of the best in their herd and we urge breeders and farmers in the market for the best in breeding stock to keep this sale and this herd in mind. It will be one of the season's best offerings. Watch for further mention in fuller detail of this sale.

**Graner Will Make Two Sales.**

H. C. Graner of Lancaster, Kan., asks us to claim December 11 as the date of his second sale this fall, the first one coming on October 15, the day before H. B. Walters at Effingham. Mr. Graner writes that in the December sale he will put in a selected bunch of May pigs along with a number of his good brood sows. We quote in part from his letter: "My sale offerings are coming along in fine shape. My herd boar, Guy's Monarch, recently died from heat, so this will be the last chance to get something sired by this boar. Any one in the market for a herd boar should not forget this sale as old Guy's Monarch has some extra good yearling boars. Our Long King's Best is coming to the front and I have several spring boars sired by him that are hard to beat." The breeding fraternity will regret to hear that Mr. Graner has lost his great breeding boar, Guy's Monarch. Boars as good as this one are not produced every year. He was a sire of unusually good sows and has left his impress in the Graner herd that will stand for a long time to come. The two offerings which Mr. Graner will sell are good enough to merit the patronage of the best breeders and farmers in the market for good stock. More will be said of this herd and these sale offerings in later issues and we suggest that it would be a good thing to get your name on Mr. Graner's catalog list now. Write him and kindly mention the Mail and Breeze.

**Dr. Lomax's Jersey Cattle.**

Dr. J. H. Lomax of South St. Joseph, Mo., who has his farm at Leona, Kan., has one of the best small herds of Jersey cattle in the West. Some of the best bred things in the country make their home in this herd. Usually the Jersey men prefer a heifer calf, but a recent occurrence on the farm which had the direct opposite result has pleased Dr. Lomax very much. Sometime ago he bought the great cow, Owl of Oxford Lass, from the Smith & Roberts herd at Beatrice, Neb. She was bred to Oxford Word, the grandson of Gamboge Knight and great show bull in that herd. Dr. Lomax wanted a bull calf. He wanted it bad. July 29 the cow presented him with a fine bull calf as one could wish and now Dr. Lomax says he has just what he wanted all the time—a herd bull bred as this calf is bred. If rich ancestry—rich in pedigree and performance—has anything to do with it, this calf should develop into a great bull. His mother is by Lucy's Majesty by the \$15,000 Royal Majesty, and her dam is by the great Owl of Hebron. Owl of Oxford Lass has a record herself that few cows equal. In seven months Dr. Lomax says she gave 6,199 pounds of milk and 351 pounds of butter fat. The calf has all the advantages that go with being born with a golden spoon in the mouth and we have Dr. Lomax's word for it that the calf will get the very best of treatment and every chance to show what it can do. Besides the Jersey herd Dr. Lomax along with Mr. Starrett has a toppy herd of big type Poland-Chinas. They will hold a sale November 9 at the farm. Watch for further mention of this sale in these columns.

**Hudgins's Polled Durhams.**

W. T. Hudgins of Mooreville, Mo., owns one of the best herds of Double Standard Polled Durham cattle in the state. Upon a recent inspection the herd was found to be in excellent condition, considering the fact that pasture conditions have not been of the best. Mr. Hudgins started out with a herd of Shorthorn cows of the best, big bodied, deep fleshed cows that have mated wonderfully well with the Polled bulls he has used. The older cows in the herd are sired mostly by Nonpareil Baronet, a son of Nonpareil Victor. The first Polled bull

used was Grand Master 294460, a son of Golden Crown, used so successfully by C. J. Woods. The present bull, Miami Model 339831, is a two year old roan of striking individuality and with a pedigree that cannot be faulted. This bull was bought from the J. H. Miller herd. Mr. Hudgins selected him at the International, where in 1910 he was showing as a senior calf. He is a son of Mr. Miller's great show and breeding bull, Confessor 284217, that won first and junior championship all the time he was shown from his calfhood until he was two years old and after that he won first and senior and grand championship wherever shown. The dam of Miami Model is Miami's Golden Drop by Scottish Lord; second dam 15th Linwood Golden Drop by Galahad; third dam by Craven Knight and fourth dam by Baron Victor. As will be seen he is bred in the purple. To see his get is to pronounce him a great breeding bull. This bull is getting over 75 per cent polled calves from horned cows and a much higher per cent from polled females. Mr. Hudgins has on hand now 14 head of bulls by this sire ranging in ages from coming yearlings to 16 months. They are big, strong, rugged bulls ready for service. The herd numbers upward of 80 head and it is Mr. Hudgins's intention to hold a public sale sometime this fall. The herd, however, is large enough to warrant the sale of a few bulls and some females and we wish to call attention to Mr. Hudgins's card which appears in this issue. The herd is worthy of the best patronage because of the high quality of the cattle produced there and those in the market should by all means get in touch with Mr. Hudgins and his herd. Kindly write him and mention the Farmers Mail and Breeze.

**Kansas and Missouri**

GEO. W. BERRY.

**Duroc-Jersey Sale.**

G. V. Bush, of Marshall, Mo., will hold a dispersion sale of Duroc-Jersey swine at his farm on Monday, August 26. The offering comprises 75 head of pedigreed hogs, including the show herd. The herd boars are cataloged, including Mission Model, Col. I Am and Sir Matthew. These are good enough to head the best herds and should be in demand on sale day. The females include 10 head of tried and yearling sows, among them a number of prize winning show sows. One of these is Model Queen, the winner of first prize as a junior yearling; also senior champion and grand champion at the Inter State Fair at St. Joseph last fall. Another show sow is Zora Model, the first prize senior yearling at the Missouri State Fair at Sedalia, also a winner at the American Royal Livestock Show. There are three yearling sows fitted for the shows that should be able to win in the strongest competition in the coming shows. They were winners in their classes last year, and have grown and developed in a most satisfactory way. Twenty-five head of fall gilts which will be yearlings in September and October are cataloged for this sale. They are of high individual excellence and their intrinsic value enhanced by being bred to good boars for fall litters. Fifteen head of choice spring gilts that have been well grown and are in fine condition go in the sale. A strong feature of the offering consists of 12 head of extra fall boars sired by Col. I Am and Western Wonder Junior. They will weigh 300 to 400 pounds each and are strong, heavy bone and growthy. No better bunch of boars will pass through a sale during the season. The large number of hogs cataloged for this sale is unusual, and no doubt many bargains will be presented to breeders and farmers who attend. Secure the catalog and plan to be at the sale.

**Dietrich & Spaulding Poland Chinas.**

The advertisement of Dietrich & Spaulding, Richmond, Kan., breeders of Poland China hogs, appears in this paper. This firm is one of the oldest and best known of breeders of Poland Chinas in the West. For the last quarter of a century Dietrich & Spaulding have been familiar figures to all who frequent the large fairs and stock shows. Their herd has won a large share of the prizes in the leading shows, and many of the newer herds of registered Poland Chinas owe their origin to this herd. Messrs. Dietrich & Spaulding are up to date and progressive breeders and their herd at this time represents the modern and most popular type of the breed. The breeding herd consists of big type, large boned sows, headed by the great sires Gold Mine and Pan Look. Gold Mine is a hog of unusual size, heavy boned, symmetrical in form, thick fleshed, and massive, with an ideal head, fine ears, and splendid style. He has proved a sire of high individual merit. Individually, he has few equals, if any, in the state, and is really one of the great boars of the breed. He was sired by Hadley Hutch, a son of the noted Big Hadley. His dam was Nettie Second; second dam by Thompson's Choice. Pan Look, the other herd boar, represents the breeding of Mr. J. C. Meese of Nebraska, and is strictly big type in breeding, and individually is all that could be desired. He is long, wide and deep, standing on stout, heavy bone. He was sired by Francisco's Choice and his dam is Lady Superior, by King Look. The brood sows include Blue Bell, a granddaughter of Big Victor; Hadley Look, by Nox All Hadley, a son of Big Hadley; Kansas Ann, by Big Bone Mow; Hutchess, by Captain Hutch, and belonging to the noted Maud Perfection family as bred by Thompson Bros. Dietrich & Spaulding have been very successful the present season and have on hand a fine lot of young boars and gilts. Attention is directed to their card which will be found in the breeders' department of this paper.

**Show Yard Poland Chinas.**

Attention is directed to the sale announcement of S. P. Chiles of Jefferson, Kan., who will on Tuesday, September 3, sell at his farm 45 head of strictly high class Poland Chinas. Many of the animals that are cataloged have been fitted for the fall shows. A strong feature of the offering consists of fall boars and fall gilts which will be one year old in September or October and eligible to the classes under 12 months. Among them are three boars and one gilt of the same litter. These are Big Sentinel, Casino and Temperance Boy, boars, and Shinola, a gilt. Another litter includes three boars, Allen, Hadley and Brilliant and the gilt, Winona. Another pair of the same age are Edgewood, a boar, and Zemo, a gilt. This bunch of show

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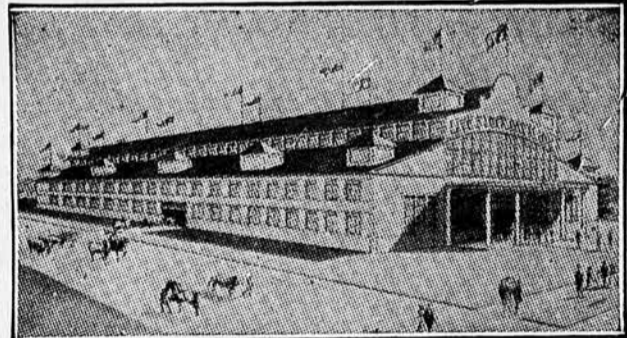
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**I. S. Mahan, Secretary, Oklahoma City, Okla.**

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**Farmers Mail and Breeze Pays Advertisers.**

Farmers Mail and Breeze, Topeka, Kan. I have just recently sold Mr. S. J. Toonly of Baxter Springs the splendid roan yearling bull by Mayor of Valley View and his dam, a granddaughter of Lavender King 4th. This sale made through Farmers Mail and Breeze.  
ADAM H. ANDREW,  
Breeder of Shorthorn Cattle,  
Girard, Kan., June 20, 1912.  
Farmers Mail and Breeze, Topeka, Kan. Inclosed find check for amount due. Please continue my advertising as per rate for one year payable quarterly. I am well pleased with results.  
W. C. STENZEL,  
Breeder of Hampshire Hogs,  
Elmdale, Kan., August 3, 1912.  
Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.



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 What do you know about the Coach Horse? Do you want to know more about the Coach Horse?  
**German Coach Horses**  
 are the best general purpose horse for the farmer. They have size, beauty, action, endurance and intelligence and mature early. They stand gracefully both hardships of usage and climate. Many a farmer does not know what a great farm horse the coach horse really is. Let us tell you more about him and you will want him. We are offering young stallions and fillies, also mares in foal to the imported Oldenburg Coach Stallion Mephistoles 4221. Call on or write, J. C. Bergner & Sons, "Waldock Ranch," Pratt, Kan.

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

**Belgian and Percheron Stallions and Mares**  
 Imported and Home-Bred.  
 For Sale at Attractive Prices.  
**Blue Valley Stock Farm**  
 Blue Mound, Linn Co., Kan.

**HEREFORDS.**  
**MATHEWS' REGISTERED HEREFORDS**  
 For sale. 8 long yearling bulls; 30 yearling heifers, also cows with calves by side—extra good cattle, strong in Anxiety 4th blood.  
**FRED MATHEWS & SONS, Kinsley, Kan.**

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

stuff should be seen to be appreciated. In size they are the largest that the writer has seen during the year, and he has visited many herds of different breeds. With all their great size they combine quality and finish to satisfy the most exacting judge. The spring pigs of both sexes are by the same sire and out of the dams of the above, and are equally promising individually. All were sired by the herd boar Sentinel, and the offering is sufficient evidence that he is really a great sire. Sentinel is cataloged for the sale and in him Mr. Chiles offers to the breeders the opportunity to purchase a herd boar whose equal has seldom been offered in any sale ring. The junior yearling boar Comstock will be sold. He is a high class show boar, has been nicely fitted and is ready to walk into the show ring. The offering includes a number of tried brood sows that are outstanding individuals and choicely bred. The Poland Chinas that Mr. Chiles will offer in this sale are unusual and outstanding in quality and breeding, and will be sold in fine condition. Those who attend the sale will not be disappointed on seeing the class of Poland Chinas that Mr. Chiles is breeding and will offer on September 3 for public appraisal. The catalog will be mailed upon application. By request the writer, G. W. Berry of Farmers Mail and Breeze, will attend the sale and assist in handling mail orders from parties who can not be present in person.

**Kinloch Berkshire Sale.**  
 Attention is called to the dispersion sale of Registered Berkshires which will be held by Kinloch Farm, at Kirksville, Mo., on August 22. The sale is extraordinary, both in quality and number of the Berkshires that will be sold. The herd has been culled from 400 head to 200, and every plain headed and undesirable individual sent to the butcher. The offering which has been cataloged for the dispersal consists of high class breeding stock and includes a number of strictly fancy show boars and show sows. Breeders who desire to recruit their show herds will find in this sale abundance of material. The offering includes animals of various ages suitable for the different classes, groups, get of sire, the produce of dam, and pens that should be prize winners wherever shown. When the foundation was laid for the Kinloch herd of Berkshires no pains were spared in securing the best blood lines and the choicest specimens of the breed. The owners picked from the herds of the best breeders in America, and did not spare any means in buying wherever it was possible to purchase the greatest sires and dams known to the breed, regardless of the purchase price. Among the famous sires that have been owned by the Kinloch farm can be mentioned Star Masterpiece, for whom Kinloch Farm paid \$5,500, which is the highest cash price ever paid for a hog; Lord Premier's Rival, purchased also at a long price, and one of the famous sires of the breed; and Rival's Lord Premier, the present head of the herd, conceded to be one of the greatest boars of this breed. Kinloch Farm also owned and is the breeder of Rival's Champion, a boar that was shown at the American Royal Livestock show and American Berkshire congress at Kansas City in 1908, where he was awarded the grand championship in the strongest show of Berkshires that has been held since the World's Fair at St. Louis. The foundation sows at Kinloch Farm number many of the greatest Berkshire matrons, including Duchess 279, the grand champion Berkshire sow of the St. Louis World's Fair, also a number of her daughters which were sired by Premier Longfellow, the world's champion Berkshire boar. The dispersal of this herd on August 22 will be a rare opportunity for the breeders to secure valuable foundation stock and show yard material. The catalog numbers 200 head, an unusual number to be sold in one day, and doubtless many bargains will be presented. Those who can not attend the sale in person may entrust their orders by mail or wire to G. W. Berry, who will be present and execute such commissions fairly and impartially.

**Iowa**  
**GRANT GAINES.**

W. A. Keep, Atlantic, Iowa, is a breeder of high class Polands and has a promising yearling boar at head of his herd.

A. L. Roller, North English, Iowa, has no great number of Poland Chinas this year, but they make up in quality what they lack in numbers.

Chas. Humerick, Atlantic, Iowa, breeds the big bone, stretchy Poland Chinas and has as fine a lot of them as anyone we have recently seen.

On October 8, at Council Bluffs, Iowa, Mr. H. D. DeKalb of DeKalb, Iowa, will sell a fine lot of Hampshire hogs. The offering will consist of summer, fall and spring boars and a few females. The offering is a high bred one and the individual excellence of Mr. DeKalb's herd is above par. You will hear more about this great sale in due time.

Hog breeders and farmers who raise hogs should not overlook the Schultz Hog Oiler which has been advertised in past issues of this paper. It is the most practical and reliable device known to date to destroy lice and mites. The oiler is cheap and will last a lifetime. Write the Power Creek Farm and Manufacturing Company, Treynor, Iowa, about it.

**Illustrated Catalog Free.**  
 On October 25 Mr. T. H. Well, Blairstown, Iowa, will sell 53 head of imported and home bred Percheron stallions, mares and fillies at his farm near Blairstown. Mr. Well is putting in this sale many ton mares and some very high quality fillies. The stallion offering will be as good as any Iowa breeder ever offered. This sale of high class Percherons will give the readers of this paper one of the best opportunities ever offered them to buy high class heavy Percherons. We suggest that you send in your name at once to Mr. Well for a catalog of this sale and watch these columns for more detailed announcement of this great sale.

**Harding Makes Good Sale.**  
 The annual August sale of Mr. R. J. Harding, Macedonia, Iowa, took place at Carson, Iowa, August 2. The sale was well

# Percheron Horse Sale

## Sterling, Kansas

### Tuesday, September 3rd

**3 Stallions, 4 Mares, 1 Jack and 8 Pure-bred Shorthorn Cattle**

One of these stallions is a state fair 1st prize winner, a ton son of the Champion Casino. He should be at the head of some good herd. Also a drafty young stallion (coming yearling), a grandson of Casino, will sell together with Rigollot (37968), dam Biche (7590), who has weighed a ton and has stood in one locality for several years with increasing popularity as a sire.

### Mares All of Breeding Age

One is a daughter of the great Casino. Was first prize winner at Kansas State Fair 1909. Another a granddaughter of Casino, a promising show mare and ready to show this fall. Also the great brood mare Roselle, now safe in foal to Casino, one of the best breeding sons of Casino.

Every Horse furnished with certificate of registration in Percheron Society of America.

The Jack is a 15 hand, heavy boned, prompt server. The Shorthorns are all eligible to registry. Sale at farm adjoining town. Write today for catalog. Address,

## D.M. Barber, Sterling, Kan.

Auctioneers, Snyder, Potter and White.

**POLLED DURHAMS.**  
**HUDGINS' D. S. POLLED DURHAMS.**  
 Herd headed by Miami Model 339831, a prize winning son of the great Confessor 284217. I have a choice lot of ready for service bulls for sale—all double standard. Watch for my fall sale.  
**W. T. HUDGINS, MOORESVILLE, MO.**

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

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

**GALLOWAYS.**  
**G. E. CLARK, W. W. DUNHAM.**  
**CAPITAL VIEW GALLOWAYS.**  
 12 Miles West of Topeka.  
 A choice lot of bulls 10 to 20 months old, by Imported and American bred sires. They will please you. Address  
**CAPITAL VIEW RANCH, Silver Lake, Kan.**

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

**RED POLLED CATTLE.**  
**RED POLLED BULLS**  
 and heifers by Actor 7781 and Launfal 18221. Cows large, plenty quality, represent best milking families. Also large type POLAND CHINAS. Pigs. Write or come.  
**CHAS. MORRISON & SON, Phillipsburg, Kan.**

**ABERDEEN-ANGUS.**  
**RIDGE PRAIRIE ABERDEEN ANGUS.**  
 Rutger Heatherson 3d 118104, a choicely bred Heatherbloom, in service. The best families represented. A few choice cows, bred, and open heifers for sale. Prices right, satisfaction guaranteed.  
**W. G. DENTON, DENTON, KANSAS.**

**Sutton Farm Angus**  
 For sale, our entire crop of 1911 spring bulls, individually or in carloads; great, well grown, lusty fellows, sired by the best of herd bulls. Bulls from this herd sire winning steers in Chicago, Denver, Fort Worth and Kansas City shows annually. Also 20 head imported and Canadian bred Shropshire sheep and selections from a large and high class herd of Berkshire hogs.  
**SUTTON FARMS, LAWRENCE, KANSAS.**

**SHORTHORNS.**  
**Milk and Beef Combination.** Horless Shorthorn Cattle, Oxford Down Sheep, Bourbon Red Turkeys. J. H. WALKER, LATHROP, MO.

**JOHNSON'S Shorthorns** 50 HEAD including 6 good young bulls. Also young Jacks. Farmers prices.  
**T. F. JOHNSON, GARFIELD, KANSAS**


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

**Valley View Shorthorn Cattle**  
 25 cows and heifers bred to Orange Major 264704, 10 bulls of different ages sired by Major of Valley View 266325. Prices right. Breeding and individuals right. Address  
**ADAM H. ANDREW, GIRARD, KANSAS.**

**True Goods 337574**  
 by Fair Goods, dam Rosie 11th by Standard Bearer, second dam Imp. Rosie 17th by Scottish Victor, heads my herd of carefully selected Scotch cows. Young stock for sale.  
**T. J. BLAKE, HIAWATHA, KANSAS.**

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

**Shorthorns-Poland Chinas**  
 Choice cows and heifers for sale and 40 spring pigs of both sexes. Big stretchy kind.  
**S. B. AMCOATS, CLAY CENTER, KANSAS.**

**Lookabaugh's Shorthorns**  
  
 Violet Search by Searchlight at head of herd. Breeding stock, both sex. Prize winners and descendants of prize winners. Write your wants.  
**H. C. Lookabaugh,**  
 WATONGA, OKLAHOMA

**Pearl Herd of Shorthorns**  
 I have a select bunch of young bulls from six to 20 months old, well bred, well grown and the making of good useful animals. They are both reds and roans. Can ship via C. R. I. & P. A. T. & S. F., U. P., and Mo. Pac. Address  
**C. W. TAYLOR**  
**R. R. No. 2, Enterprise, Kan.**



DAIRY CATTLE.

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

Dutch Belted and Holstein

male and female calves for sale from exceptionally good milkers. Springdale Stock Ranch, Concordia, Kan.

LINSCOTT JERSEYS

Only registered herd of merit in Kansas. A grand son of Golden Fern's Lad—bred for butter—and 20 cows and heifers for sale at moderate prices. R. J. LINSCOTT, HOLTON, KANSAS

Holstein-Friesian Bulls

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

Jersey Cows and Heifers

We have for sale 30 head of young cows and yearling heifers. Also a few young bulls. See our herd at either the Iowa, Kansas, Nebraska, or Missouri State Fairs. SMITH & ROBERTS, BEATRICE, NEBR.

Choice Jersey Bulls

I am offering a few young bulls, sons of Oxford's Masterpiece, a son of Oxford Lad; Oxford's Brigadier, a son of Gamboge Knight; Merry Maiden's Golden Lad, a son of Merry Maiden's 3d Son; and Eurybia's Exile. I have but a few of these calves that are ready for service. Will sell them reasonably while they last. Write for prices and particulars. W. N. BANKS, INDEPENDENCE, KANSAS.

HAMPSHIRE.

Registered Hampshire Hogs Either sex, all ages and priced to sell. W. C. STENZEL, ELMDALE, KANSAS

Wittorff's Hampshires Best blood lines, bred sows and gilts, spring pigs, pairs and trios unrelated. Descriptions guaranteed. F. C. Wittorff, Medora, Ks.

Pure Bred Hampshires

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

REGISTERED HAMPSHIRE HOGS

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

15 Yearlings and a few bred for August and September litters to Corrector 8913. Special prices if taken at once. Also Indian Runner Duck Eggs for sale. J. R. Lawson, Ravenwood, Mo.

Try The White Belts

Cloverdale Farm offers a number of extra nice Hampshire boars for sale. T.W. Lavelock, Princeton, Kas.

WRITE J. F. PRICE, Medora, Kans.

For prices on Pedigreed HAMPSHIRE HOGS. S. C. B. Leghorn eggs.

O. I. C. SWINE.

O. I. C. Pigs \$10.00 EACH. Harry Haynes, Meriden, Kan.

EDGEWOOD O. I. C's, Choice spring boars and gilts, singly or mated, also bred gilts. HENRY MURR, TONGANOXIE, KANS.

HAVE YOUR IDEAS about the O.I.C. hogs been correct? Send for my circular telling all about it. R. W. Gage, Garnett, Kan.

O. I. Cs.—the right kind. Bred right and fed right. Choice pigs for sale. W. P. DOOLITTLE, WOODLAND, MO.

STAR HERD O. I. C's.

Breeding stock of various ages, either sex. Best breeding P., sented in this herd. Write your wants. ANDREW KOSAR, GLASCO, KANSAS.

O. I. C. Pigs and bred gilts for sale. Also boars ready for service. Prices right. F. C. GOOKIN, Russell, Kan.

Burr Oak O. I. C. Hogs Farm.....

28 last September, October and November boars for sale. Best of backs, feet and lots of scale. Prices right. Charles H. Murray, Friend, Nebr.

RIVERSIDE FARMS O. I. C's. BOONVILLE, MO.

I have for sale 12 September gilts by O. K. Perfection and 6 tried sows bred for Sept. farrow; 6 winter boars; 13 winter gilts, bred or open; one yearling boar by Mead's King and a choice lot of spring pigs of the best breeding. I have the easy feeding big kind. Write me your wants. JNO. H. NEEF, BOONVILLE, MISSOURI

POLAND CHINAS.

Dietrich & Spaulding, Richmond, Kan.

Big Type Poland Chinas

Two extra fall boars and choice spring pigs, sired by Gold Mine and Pan Look.

attended by a representative lot of breeders from Iowa, Nebraska and Missouri. The attractions of the sale were sows bred to Col. Gano, Mr. Harding's new herd boar. No sensational prices were paid and everything sold at a price that will make good money for the buyer. The top of the sale was Number 2 in the catalog, selling to S. J. Madison, Nevinville, Iowa, for \$110. An average of \$49.20 was made on 31 head. Following are representative sales:

- No. 1—Stickleman Bros., Clarinda, Ia... \$ 52.00
2—S. J. Madison, Nevinville, Ia... 110.00
3—W. M. Sells, Indianola... 100.00
4—J. Young Caldwell, Williamsville, Ill... 67.50
5—Wm. Sells... 97.50
6—W. H. Rodenbale, Macedonia, Ia... 51.00
7—Wm. Moderow, Beemer, Neb... 65.00
8—Gus Kruger, Beemer, Neb... 45.00
9—F. B. Nelson, Lindsay, Neb... 45.00
15—Stickleman Bros... 50.00
17—Economy Stock Farm, Shenandoah, Ia... 80.00
18—Swan & Ellis, Indianola, Ia... 51.90
19—W. T. Hutchinson, Cleveland, Mo... 87.50
22—Fred Preston, Roods, Ia... 58.00
23—W. W. Knaus, Soldier, Ia... 65.00

Pfander and Sons' Good Sale.

J. W. Pfander & Sons' annual August sale of Poland Chinas held at the farm at Clarinda, Iowa, August 7th was one of the best summer sales ever held by this firm. The offering was in the pink of condition. Many new faces were at the ringside and while bidding was slow and buyers showed an indifference to pay high prices, a general average of \$60.25 was made on 48 head. The top was a yearling Glartiss sow bred to Big Ben, the new herd boar of the Pfanders. She went to E. H. Matthews of Tabor, Iowa. The top of the boar sale was \$100 for a spring pig by A. Wonder, going to W. H. Cooper of Hedrick, Iowa. Following are representative sales:

- 3—A. D. Davis, Fremont, Ill... 75.00
5—F. L. Lynn, State Center, Iowa... 85.00
11—R. M. Cassell, L. Harp, Ill... 90.00
14—W. H. Cooper, Hedrick, Iowa... 109.00
20—Stephen Brown, Shambaugh, Iowa... 62.50
25—G. W. Whaley, Humphreys, Mo... 70.00
26—C. W. Phillips, New Sharon, Iowa... 147.50
29—E. H. Matthews, Tabor, Iowa... 150.00
30—W. A. Irby, Piggott, Ark... 110.00
31—L. N. Neynis, Muscatine, Iowa... 80.00
32—Boyd Morgan, Allerton, Iowa... 67.50
33—W. A. Burt, Trenton, Mo... 70.00
36—S. C. Wycoff, Kellerton, Iowa... 55.00
37—H. D. Cornish, Osborn, Mo... 65.00
38—S. T. Porter, West Plains, Mo... 65.00
41—W. H. Maxwell, Rockwell, Ind... 65.00
44—W. M. Golding, Maryville, Mo... 52.50
45—L. R. McClarnon, Braddyville Ia... 47.50
46—N. I. Staples, Burlington Junction, Mo... 67.50
47—John Western, Shelbyville, Mo... 55.00
50—C. L. Jordan, Central City, Iowa... 70.00
Extra—Parsons & Morrow, Lawson, Mo... 55.00

James-McClarnon Sale.

The sale of Poland Chinas held at Braddyville, Iowa, by J. O. James and L. R. McClarnon was the closing sale of the summer circuit in Iowa. While it was last it was by no means least. It was the best sale of the circuit. The fact that there were outstanding herd boar prospects offered in this sale brought breeders from south, east and west. In all our experience as fieldman, the writer has never seen the bushes beaten more closely for outstanding herd boar material. The James & McClarnon sale was heralded as the center of herd boar attractions and 20 breeders sat ready to buy the tops at good prices. Many new breeders who had not attended the previous sales sat around the sale ring, while others who had been quiet at the previous sales were now strong bidders. Mr. James's boar offering was well grown out and in good condition. As good as his past record has been with old Pawnee Lad and Anna Price his present is better and his future more bright. It was the consensus of opinion of all present that the best spring boars yet discovered were being sold by Mr. James and that they were out of Pawnee Lad and Anna Price sows. Big Orange is a growing factor in the James and McClarnon herds and the future history of Poland Chinas will have to record many pages about what the Braddyville herds have accomplished. Mr. McClarnon's offering was hardly up to the standard of his former offerings but it is not saying he did not have good ones. They needed a little more fleshing. A number of good young boars were sold and many good sows bred to Big Orange sold at prices that are sure to make the buyer money. The top of the sale was a spring boar by Big Orange out of Anna Price 10th, by Pawnee Lad. He sold for \$225 and went to Elijah Storey of Kewanee, Ill. The top of the sow offering was \$145, going to Henry Fessenmeyer and Stephen Brown of Clarinda and Shambaugh, Iowa. In all 68 head were sold at an average of \$60.20. Following are representative sales:

- 1—J. L. Gutschall & Sons, Sheffield, Ill... \$137.50
2—Gilbert Johnson, Osceola, Neb... 52.50
5—Elijah Storey, Kewanee, Ill... 225.00
15—Boyd Morgan, Allerton, Ia... 70.00
16—W. E. Long, L. L. Clark, Meriden, Kan... 105.00
17—C. L. Jordan, Central City, Ia... 75.00
23—Frank Palzer, Marne, Ia... 70.00
35—Pfander & Son, Clarinda, Ia... 105.00
37—C. P. Jones, Henry, Ill... 72.50
39—Bert Tolson, Dalton City, Ill... 55.00
40—Fessenmeyer & Brown, Clarinda and Shambaugh, Ia... 145.00
41—T. W. Strickler, Craig, Mo... 57.50
42—Joe McCullough, Braddyville, Ia... 50.00
43—J. S. Ramsey, Mt. Carmel, Ill... 52.50
45—C. W. Phillips, New Sharon, Ia... 50.00
52—D. M. Gregg, Harrisonville, Mo... 72.50
55—Stephen Brown, Shambaugh, Ia... 97.50
59—W. M. Watt & Son, Green City, Mo... 70.00
60—Stickleman Bros., Clarinda, Ia... 125.00
61—C. M. Wachter, Riverton, Neb... 85.00
74—S. C. Wycoff, Kellerton, Ia... 72.50
77—A. G. Thurman, Blanchard, Ia... 52.50
79—H. D. Cornish... 125.00
80—R. I. Staples, Burlington Junction, Mo... 67.50

John B. Lawson's Sale.

The annual August sale of Poland Chinas held by John B. Lawson, Clarinda, Iowa, on August 6 was attended by a representative lot of breeders from the central corn belt states. The hogs were in good condition though not as fat as they should have been to command good prices. As a result of their condition they will doubtless do the buyer good. The top of the sale was \$112.50 for a 2-year-old sow bred to Long King's Equal. J. O. James of Braddyville was the buyer. The top of the boar offering was \$105 for No. 1 in the catalog, going to Demme Bros., Emerson, Neb. This was

POLAND CHINAS.

HOWARD R. AMES, POLANDS 91 pigs from 15 sows. Boars and gilts for sale. Write for prices. HOWARD R. AMES, MAPLE HILL, KAN.

NORMAN BLUE 177691

For sale. The greatest herd boar offer of the season. Let me tell you about this boar quick. W. E. Willey, Steele City, Neb.

NEBRASKA'S POLAND CHINAS. Spring boars for sale but best gilts reserved for February 15 sale. L. E. HOLMES, BLOOMINGTON, NEB.

MAPLE GROVE HERD

Big Type Poland Chinas Herd headed by EXPANSION LOOK 61191. Best of big breeding and individuality represented in my sow herd. Fall sale October 26. R. B. DAVIS, HIAWATHA, KANSAS.

Manderscheid's Poland.

Fashionable blood lines. High-class individuals. Spring or fall boars; gilts, bred or open. Prices reasonable. Descriptions guaranteed. Write today. E. J. MANDERSCHIED, St. John, Kansas.

Tabor Valley Poland

15 fall gilts bred for August and September farrow. Also 10 September boars for sale. Big, growthy stock. Priced to sell quick. L. E. KLEIN, Zeandale, Kansas.

Ticer's Durocs

Am offering a few good young Valley B. and B. & C's Col. boars, worth the money; also a few bred sows. Will book orders for spring pigs. C. L. TICER, HARRAH, OKLAHOMA.

HILDWEIN'S BIG POLANDS

Herd headed by a great son of Expansive. Spring pigs by the leading big type sires of the day. Choice stock for sale and satisfaction guaranteed. Big sale Nov. 1. Walter Hildwein, Fairview, Kans.

THE HOME OF CAPTAIN HUTCH.

I am now booking orders for Spring Pigs, either sex, sired by Captain Hutch, King Hadley 2d, Hutch Jr., Moww's Longfellow Price, Panoramabler and A Wonder out of Long King's Equal sows and sows of the best big type breeding and immense individuals in size and quality. Order early and get first choice. Pigs shipped at three months old. Nothing but first class stuff shipped. Send for private sale catalog and prices. In buying at this age you save enormous express charges. C. W. JONES, SOLOMON, KAN.

Prairie Springs Big Type Poland Chinas.

O. K. Lad 58098, the 1,000-pound son of Pawnee Lad, and Exalter's Wonder in service Choice stock by the leading big-type sires for sale. Fall sale October 19. Come or write. C. L. BRANIC, Hiawatha, Kansas.

EXPANSIVE FALL BOARS FOR SALE!

I still have a few extra choice fall boars by Expansive, August and September, 1911, farrow, weighing 300 pounds and better. These are extra good in every respect and are the last sired by this great boar. To see them is to buy. I guarantee satisfaction. Write or call. H. B. WALTER, EFFINGHAM, KANSAS

Gildow's Mammoth Poland Chinas

Herd headed by the 1060 lb. grand champion, Pawnee Chief Hadley and Big Bill Taft. For sale 80 spring boars and gilts by the above named and other big type sires and several big stretchy spotted pigs by Big King and Brandywine Jr. All out of prolific big type sows. Also two herd boars and 25 fall gilts bred or open. If you want the big, smooth kind write us. Watch for our show herd. DR. JNO. GILDOW & SONS, JAMESPORT, MISSOURI

PFANDER'S KING 60262

by Long King, heads my herd of strictly big type sows including daughters of A Wonder, Long King, Columbia Chief, King Mastodon, etc. Only the best for sale. Fall sale October 22. JOHN W. NOLL, WINCHESTER, KANSAS.

ETTERVILLE BREEDING FARM

Devoted to the raising of the old original Big Boned Spotted Poland Chinas. Spring pigs from five of the largest spotted boars on earth. Pairs or trios not akin. Hogs shipped anywhere on earth. They will please and are priced right. EDGAR DOOLEY, Owner, ETTERVILLE, MO.

Poland Chinas That Grow Big

Booking orders now for spring pigs—boars and gilts—by A Wonder, the 1,200-pound boar and out of 700 and 800-pound sows, some extra fine prospects. Also pigs sired by Big Joe and out of A Wonder sows. These are great. Get your order in early. They are going fast. Pigs shipped about 3 months of age. Write for my private sale catalog. It is a history of my herd, including the great A Wonder and his get.

HENRY FESSEMEYER, CLARINDA, IOWA

BERKSHIRES.

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

Berkshires That Make Good

With size, bone and feeding qualities that please the farmers as well as ability to win in the show ring. Undesated young herd bred by exhibitor, three state fairs. C. G. NASH, ESKRIDGE, KANSAS.

BERKSHIRES, SHORT-HORNS and JERSEYS

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

MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.

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

POLAND CHINAS.

MARCH and APRIL BOARS And a few fall boars for sale. Big thrifty stock and big type breeding. Write for prices. W. E. EPLEY, Diller, Nebr.

Dean's Mastodon Poland

Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Bred sows all sold. Will sell a few boars of serviceable age, also choice fall pigs, either sex. All

Immune by Double Treatment

Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address CLARENCE DEAN, WESTON, MISSOURI

Mammoth Poland Chinas

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

POLAND CHINAS

40 SPRING BOARS 50 SPRING GILTS

Booking orders now for June delivery. 40 years' experience. Can furnish big, lusty fellows. Can furnish spotted if desired. Yours for hogs with stretch. T. T. LANGFORD, Box M, JAMESPORT, MO. Mention Mail and Breeze when writing.

Poland Chinas

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

BERKSHIRES.

Jewell County Berkshires Fall gilts and yearling sows for sale, bred or open. C. W. ELYEA, JEWELL CITY, KANS.

Sutton Farm Berkshires

We are offering selections from 100 spring pigs, mostly sired by Judge Robinhood, at very attractive prices. We are also booking orders now for some very nice gilts bred for early fall farrow. We will sell two tried sows bred for Sept. farrow. Sutton Farms, Lawrence Kansas.



Berryton Duke Jr. Lawrence Kansas.



A very growthy summer yearling by Long King's Equal, A general average of \$52.22 was made on 38 head. Following are representative sales:

1—Demme Bros., Emerson, Neb.....	\$105.00
2—Boyd Morgan, Allerton, Ia.....	40.00
10—E. C. Caverly, Toulon, Ill.....	95.00
11—C. F. Kerling, Avon, Ia.....	50.00
12—C. R. Jones, Henry, Ill.....	67.00
20—C. W. Strickler, Craig, Mo.....	50.00
24—H. B. Walters, Effingham, Kan.....	50.00
27—John Steevy, Clarinda, Ia.....	60.00
28—Logan Pendleton, Reinsner, Ia.....	60.00
29—H. D. Cornish.....	85.00
30—J. O. James, Braddyville, Ia.....	112.50
31—Theo. Morton, Belview, Ia.....	72.50

### Editorial News Notes.

#### Bethany College Notes.

Mr. Carl Ostrum, College '04, has been elected as teacher in the English Department of the Kansas Agricultural college. Mr. Ostrum takes up his duties at K. S. A. C. in September. Dr. P. H. Pearson, Professor of English, who has been spending a year abroad, returned with his family last Thursday. Prof. Pearson will be in charge of the college English during the next college year. The college has purchased a new equipment of typewriters to be installed in the shorthand department this fall. The Alumni club has purchased a home adjacent to the college campus as an alumni hall. The building will be equipped with club facilities for college teachers and upper classmen. Last fall a beginning was made for a domestic science department at Bethany college. Additional equipment will be installed for the coming school year. The applications which have been received indicate that there will be a strong attendance in this department the coming school year. Mr. Gustaf Freden of Stockholm, Sweden, has been elected as physical director. Mr. Freden has for some years been a member of the strongest athletic organization in Sweden and comes thoroughly prepared for his work.

#### Well Insured.

There was a certain farmer who was a firm believer in insurance. He insured his life and the lives of his family. He insured his house and farm buildings against fire and lightning. He insured his success by hard and diligent work. And he spent most of his money paying premiums. This farmer was congratulating himself upon his foresight when one day it began to rain like all possessed. It kept on raining. His house, which was roofed with shingles, sprung a leak and before the holes could be plugged up, plaster and paper had been ruined to the extent of \$50. None of his many insurance policies covered the loss. The day after the flood a neighbor drove by and listened in silence to the tale of woe the farmer poured forth. "Why don't you have leak insurance?" the neighbor asked. "Leak insurance? I never heard of that; but man it takes all the money I can spare to pay all my other insurance premiums now." "I didn't say anything about paying premiums, did I?" laughed the other. "You have to get a new roof, don't you?" "I certainly do," said the farmer mournfully. "Well, for about the same price as any other roofing you can get Genasco Ready Roofing made of Trinidad Lake asphalt—Nature's everlasting waterproofer. That will be your leak insurance, and you will have no premium to pay." "Where can I get it?" asked the farmer. "Why any good dealer sells it or you can write to the Barber Asphalt Paving Company in Philadelphia. They will send you their enlightening booklet, 'The Good Roof Guide Book,' and give you full information." See ad on page —. Mention this paper when you write.

#### DUROC-JERSEYS.

**HEBRON FARM DUROCS**  
30 Sows and Gilts bred for Aug. and Sept. Farrow. Also March and April Boars.  
**H. H. SHAW, Hebron, Nebraska.**

#### SALINE VALLEY STOCK FARM

An offering 50 big smooth March and April pigs for sale at prices that ought to sound good; 2 big winter boars ready for service. Write me your wants. **J. LEE DUNN, Russell, Kansas.**

#### Deep Creek Herd Durocs

Choice spring boars now ready to ship, also gilts bred for September and October. Best of breeding. Write your wants.  
**C. O. ANDERSON, MANHATTAN, KANSAS**

#### BUDDY K IV, and B. & C's COL.

Boars and Gilts by these great sires and sows and gilts bred to B & C's Col. For sale at reasonable prices. For full particulars write  
**J. J. BAKER, INDEPENDENCE, KANSAS.**

#### DUROC-JERSEYS.

**FASHIONABLE BRED DUROCS**  
Graduate Col. at head of herd. Gilts bred to him and spring pigs either sex by him.  
**Royal Selon Stock Farm, Winfield, Kan.**

#### WALNUT GROVE FARM.

Boars and gilts, sired by B. & C's Col. and R. C's Buddy. Also spring pigs.  
**R. C. WATSON, ALTOONA, KANSAS.**

#### CRIMSON WONDER AGAIN BOARS.

1 yearling dam by W. L. A.'s Choice Goods, a herd header and show prospect. Several early fall boars. 3 full brothers to Crimson Wonder 3d. Booking orders for pigs by C. W. A. and other boars.  
**L. R. VAN NICE, RUSSELL, IOWA.**

#### BEAVER VALLEY HERD DUROCS.

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

**Crimson Wonder, Ohio Chief Blood Lines**  
Fall boars and March pigs for sale at a very reasonable price. **P. C. GARRETT & SON, Farm 2, BLOOMINGTON, NEBRASKA.**

**TAYLOR'S DUROCS** Booking orders now for choice spring pigs, over 100 head to select from, sired by Col. Wonder 12333 and Mo. Climax. Litter mates being fitted for fall shows. Prices right. Chas. L. Taylor, Olean, Mo.

#### Prince Wonder 2nd.

No boar sale but best for private sales. Gilts reserved for February 7 bred sow sale.  
**A. T. CROSS, GUIDE ROCK, NEBRASKA**

#### BONNEY K — KANSAS SPECIAL

Spring boars for sale but all best gilts reserved for February bred sow sale.  
**W. E. MONASMITH, FORMOSO, KANSAS.**

#### BIG TYPE DUROCS

Representing the best blood lines. Over 50 sows in herd. Big crop of choice spring pigs. Stock of all ages for sale. Fall sale Oct. 17. **Moser & Fitzwater, Goff, Kansas.**

#### DON'T READ THIS

If you don't want a good Col. Victor boar at a small price. When I say good I mean one good enough to head any herd in the Southwest. Has all the noted blood lines of the red hog. Write me what you want. Only a few left. Satisfaction guaranteed.  
**Leroy A. Sprout, Box 256, Waukomis, Okla.**

#### DUROC-JERSEYS.

**LITTLE OAK DUROCS** Early spring boars for sale. Gilts reserved for February 22 bred sow sale.  
**Geo. P. PHILIPPI, Lebanon, Kan.**

**Fisher's Durocs** Herd boars, Graduate Col. 28270a, Crimson Prince 69527, Ruby's Chief 10447, King's Col. F. 8385. These boars are among the best in the state, and sows in herd bred equally as good. Describe what you want, stating price you wish to pay.  
**H. E. FISHER, Danville, Harper Co., Kansas.**

#### DUROCS

Great crop of spring pigs. Tried sows for August and September farrow, bred to our great boar, Good E. Nutt Again King.  
**W. W. Oley & Sons, Winfield, Kan., "The Men With the Guarantee."**

#### Perfection Stock Farm

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

#### College Hill DUROCS

March and April boars and gilts from state fair winners. Choice boars by Tatarax, G. M.'s Col. and Carl's Critic. Farm joins Agricultural College. **W. W. BALES & SON, Manhattan, Kan.**

#### Quivera Place DUROCS

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

#### BANCROFT'S DUROCS

We hold no public sales. Nothing but the best offered as breeding stock. Three choice September boars. Tried sows and September gilts bred for September and October farrow. Spring pigs, either sex. Pairs and trios not akin. Price right. Customers in six states satisfied. Describe what you want. We have it. **D. O. BANCROFT, Osborne, Kansas.**

#### Star Breeding Farm

#### Herefords and Durocs

Bulls, 15 to 30 months, single or carlots; also, females any age. Durocs headed by the champion B. & C's Col. Both sexes for sale.  
**SAM'L DRYBREAD, ELK CITY, KANSAS.**

#### DUROC-JERSEYS.

**DUROCS—RED POLLS**  
30 summer and fall boars, 25 tried sows and fall gilts (bred) and spring pigs either sex, at FARMER'S PRICES. Young bulls and females all ages cheap.  
**GEO. W. SCHWAB, CLAY CENTER, NEB.**

## 40 Bred Duroc Jersey Gilts AT PRIVATE TREATY

Large and growthy yearlings, richly bred. A few tried sows. They are the large, stretchy, broody kind and due to farrow soon.

### TO SEE THEM IS TO WANT THEM.

First come, first served. These hogs are priced to sell. If impossible to call and inspect herd write or phone for particulars.

## MARSHALL BROS.

BURDEN, KANSAS.

# Duroc-Jersey Bred Sow Sale!

## Grandview Stock Farm

Americus, Kan., Wednesday, Sept. 4th

## 40 Head THE BLOOD THAT WINS 40 Head

10 Tried Sows, 20 Fall Gilts, 10 Fall and Spring Boars  
The Kind That Farrow and Raise Large Litters

They carry the blood of Improver II, Hogate's Model, Nebraska Belle, Frankfort K. Jr., Belle's Chief, Hunt's Special and others of like note.

Frankfort K. Jr., 73107, by Frankfort K., one of the best sons of Improver II, headed this herd for three years and several of his get are included in the sale. He himself was a first prize winner at Nebraska State Fair and Interstate Fair, Sioux City, Iowa, and his sire, Frankfort K., won the same honors the year before, 1906. He was one of the first prize herd and second in a class of 118 at Nebraska State Fair, 1907.

Most of the fall gilts are by Belle's Chief 2nd 71777, by Belle's Chief, others are by Golden Goods, 70513, by Hogate's Model.

These sows and gilts will be showing well in pig, sale day, bred to such sires as Superba 2nd, 126117 and Golden Model 3rd, a line bred Golden Model. Golden Model 3rd came from a long line of winning ancestors and crossed with these sows and gilts, should produce the kind that win the blue. Farmers and breeders alike invited to come to this sale. You will not be disappointed if you want the good kind.

Write today for catalog. Address Auctioneer, Col. Jno. D. Snyder, Fieldman, A. B. Hunter.

**W. R. HUSTON,**  
AMERICUS, KANSAS

# Second Annual Duroc-Jersey Brood Sow Sale Extraordinary

Under Cover at Elmdale, Kan., Saturday, August 31, 1912

50 head, 10 tried sows, 20 spring yearling gilts, 10 fall gilts, 10 spring boars, 50 head. Practically every animal in this offering is itself a winner or is sired by, or out of a state fair prize winner, and these 40 sows and gilts are safe in pig to state fair prize winners or sons of winners and **THEY ARE BRED SO AS TO GO ON AND PRODUCE WINNERS.**

A goodly number of this offering is by J. R.'s Chief, who headed the sensational young herd of 1910 and was first in senior yearling class at Hutchinson 1911, others are by such sires as High Chief, winner of 1st as get of sire, Hutchinson 1911 and Danay Lad a full brother to the Grand Champion at Hutchinson State Fair the same year. Included will be also daughters and grand daughter of the Grand Champion sow Top Notcher Rose. Miss Top by Tatarax will be represented by some excellent daughters. Lincoln Model, dam of J. R. Chief will have several fancy grand daughters in the offering.

These sows and gilts are showing safe in pig to such sires as J. R.'s Colonel, Model Colonel, both sired by Graduate Colonel. J. R.'s Colonel is a full brother to Grand Master Colonel and he is sure making good. I have also bred a few of these gilts, a young boar I call Dandy Model that is some boar himself and he will go in sale. This excellent cross of Colonel blood on Ohio Chief blood cannot help but continue to produce prize winners.

Write today for catalog, address,

Auctioneers: Lafe Burger, Crouch & Woods, Fieldman, A. B. Hunter.

**J. R. BLACKSHERE, Elmdale, Kan.**



# J. T. Bayer & Sons' Dispersion Sale Berkshires and Shorthorns

**30 Shorthorns 30**

including

20 Excellent Cows and a line of Choice Young Bulls and Heifers.

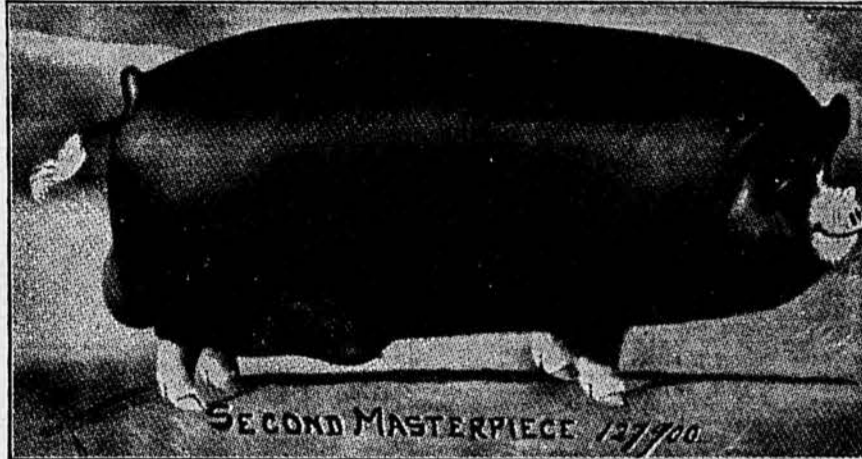
All females old enough have calves at foot or bred to

**Inglelynie 135022**

a grand champion prize winning bull, sired by

**Imported Collynie**

All in fine condition.



Second Masterpiece, Berkshire boar, owned by J. T. Bayer & Sons, sired by Ideal Masterpiece, one of the greatest sons of Masterpiece; dam, Royal Empress 150th by Black Robinhood. Second Masterpiece is the sire of a good part of the young boars and gilts in the dispersion sale, and most all of the tried sows that will be offered are bred to this boar for fall litters. Second Masterpiece has the distinction of being a grandson of both Masterpiece and Black Robinhood, two of the greatest sires of the breed.

**75 Berkshires 75**

including

40 selected Sows and 35 Choice Gilts and Boars Sired by

**Second Masterpiece**

**B. D.'s Centerpiece**

**Lee's Masterpiece**

and

**Field Marshall**

**Second Masterpiece**

the herd boar will be sold, and most of the tried sows are bred to this great sire.

**Yates Center, Kan., Tuesday, Aug. 27**

The sale will be held at our Farm, 8 miles southeast of Yates Center. Free entertainment and transportation from town to visitors. You are invited and urged to come early. ILLUSTRATED CATALOGUES. Mail Bids should be entrusted to Geo. W. Berry of Farmers Mail and Breeze, Topeka, Kan. (After Aug. 20th, in our care, Yates Center, Kans.).

Auctioneers: Col. Duncan, Col. Mills, Col. McClasky, Col. Sheets.

**J. T. BAYER & SONS, Yates Center, Kan.**

Fieldman: Geo. W. Berry, Farmers Mail and Breeze.

## S. P. Chiles' Sale

**High-Class POLAND CHINAS**

At my farm at

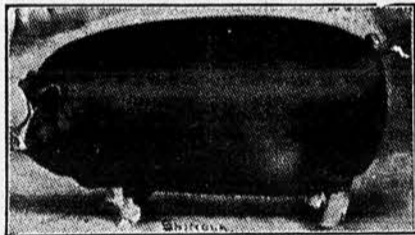
**Jefferson, Kansas**

**Tuesday,**

**September 3, 1912**

Comprising

**45 Choicely Bred Individuals**



**Combining Unusual Size, Rare Quality, and Extreme Finish**

Bred close up to the sires and dams that have produced the winners at the Iowa and Illinois State Fairs and the St. Louis World Fair, the largest and best Hog Shows.

9 Fall Boars, Possessing Wonderful Size, with the smoothness, symmetry and style that wins in the strongest show yard company.

8 Fall Gilts, Including Two Show Herds.

Also 12 Spring Gilts. Among them are Gilts under 12 months and Gilts under 6 months that can win in any show ring.

**The Junior Yearling COMSTOCK, a Great Show Boar, also the Superb Breeding Boar SENTINEL, a Sire with Few Equals, Will Be Sold**

The under year show boars include 3 full brothers, Big Sentinel, Casino and Temperance Boy; also their sister, Shinola, a gilt that can win in any show; three other under year boars, Hadley, Allen and Brilliant, also their sister, Winona, a fancy show gilt; and another boar, Edgewood, with his sister, Zemo, a great show prospect. All in the catalogue, under one year old, are sired by Sentinel, the herd boar, and the individual excellence of the offering stamps him a really great sire.

Write for the illustrated catalogue.

**S. P. Chiles, Jefferson, Kan.**

Mail orders can be sent to G. W. Berry, fieldman Farmers Mail and Breeze. Auctioneers: Col. Correll and Col. Burger.

Location: The farm adjoins the interurban electric line from Cherryvale, Independence and Coffeyville. Also station on Mo. Pac. Ry.

## Dispersion Sale of the Entire Show Herd from the Saline County Herd

**Marshall, Mo., August 26**

**75-Duroc-Jersey Swine-75**

This includes the three Choice Herd Boars:—

MISSION MODEL—by Iowa Model;

COL I AM—by Pal's Model—dam, Ohio Chief's G. D. by King of Cols.; and

SIR MATTHEW—by Western Wonder. Mission Model and Col. I Am are two years old, Sir Matthew is a senior yearling. These are great herd boars, good enough to head any herd.

**10 Tried and Yearling Sows including Model Queen**

First prize junior yearling, champion and grand champion at Interstate Fair, St. Joe, last fall.

Zora Model, first prize senior yearling sow, and Marietta, the second prize sow Missouri State Fair at Sedalia last fall, also a winner at American Royal Livestock Show.

Four other Choice Sows, sired by Duke of Fair View and bred for September farrow to Mission Model and Col. I Am.

Three Choice Senior Yearling Sows (open) winners in the six months class last fall, and that will make the Judge sit up and take notice in the show ring this fall.

25 Fall Gilts—coming yearlings—bred for September and October farrow. These were sired by Col. I Am and Western Prince. As fine a lot of gilts as will go through a sale ring this summer.

15 Choice Spring Gilts—sired by Col. I Am, Mission Model and Western Wonder Jr.

12 Extra Fall Boars—sired by Col. I Am and Western Wonder, and every one a good individual, weighing three hundred to four hundred pounds each.

10 Choice Spring Boar Pigs—first class in every respect, among them several show prospects. I do not care to make the shows this fall, and I am putting everything in this sale.

Catalogues will be ready by August 15. Any one wanting catalogue please write at once. All mail bids addressed to myself at Marshall, Mo.; Col. Fred Reppert, Decatur, Ind.; or G. W. Berry of Farmers Mail and Breeze, Topeka, Kan., will be given honest and fair treatment. I guarantee safe arrival of all hogs at your express office.

Remember the date, Monday, August 26, and that the sale will commence at 1 o'clock at my farm 6 miles north of Marshall. For catalogues and other information, address

**G. V. BUSH, Marshall, Mo.**

Auctioneer: Col. Fred Reppert.



# BIG BARGAINS IN REAL ESTATE

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

3,000 ACRE improved ranch at a bargain for a short time. Cassoday Realty Co., Cassoday, Butler Co., Kan.

320 A., 100 good alfalfa land, 160 natural hay land. Near station. \$30.00 per a., terms. Moore & Falls, Liberal, Kan.

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

WRITE for big list of Southwest Kansas and Oklahoma farm bargains. James Russell, Edna, Kansas.

IMPROVED half section of Stafford Co. land at \$40 a. Worth \$30. Write for particulars. A. L. McMillan, Stafford, Kansas.

FOR SALE. 200 a. nderson Co., Imp. 90 a. cult., 35 a. bottom. Price \$5,500. For particulars write Iler & Simmons, Garnett, Kan.

160 ACRES; 3 1/2 miles from Robinson, Kan.; all in cultivation; well improved; good house; tenant house; large barn; \$100 per acre. S. C. MILLER, Robinson, Kan.

SUMNER COUNTY, KANSAS. The best farms for diversified farming; the very choicest of improved farms. Crops are sure. Write H. H. Stewart, Wellington, Kansas.

ALFALFA, corn and wheat lands in rain belt of Kansas. Good upland \$35 to \$75, bottom \$75 to \$100. Free land list. THOMPSON & LEWIS, Whitewater, Kan.

EMPORIA, KAN., is one of the best college towns surrounded by a good farming country. Send for list of farms and city property for sale. T. B. Godsey, Emporia, Kan.

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

ALFALFA and corn farms in eastern Kansas from \$55 to \$75 per acre. Easy terms. Write for list and tell us kind of farm wanted. T. J. Ryan & Co., St. Marys, Kan.

FOR SALE or exchange, 177 a. Cedar Co., Mo. Two sets improv., worth \$1,200. 100 a. cult., bal. timber and pasture, partly hog tight. Price \$5,000. Incumbrance \$2,700. Write J. R. Ford, Eldorado Springs, Mo.

240 ACRES; good farm; good improved; 4 miles to R. R. town; Cowley Co., Kansas. I will take \$2,000 cash, \$5,500 first mortgage, balance good property for a home. Price \$50 per acre. I have other farms on good terms. Wm. Godby, Arkansas City, Kan.

HOMES in N. W. Ark. Good soil, pure water, healthful climate, from \$500 to \$20,000; also flouring mill \$4,000, good proposition. Best reasons for selling. Harness, carriage, furniture stock live town. Other bargains. Write for list. Ad. Box A-1, Hindsville, Ark.

FORD AND JOHNSON, Kansas. Wheat land making 15 to 30 bushel wheat to the acre. Black loam soil, 65 to 90 per cent level as a floor; from \$17.50 to \$35 per acre. Write or wire me to see the land. You will sure buy. W. A. STURGEON, Hutchinson, Kan.

FOR SALE—160 acres fine corn, wheat and alfalfa land, orchard, barn 30x50, 7 room house, good well and mill; other outbuildings. All fenced. 2 1/2 miles from town. Price \$10,500.00, very small payment down takes this; balance 8 years at 6 per cent. 80 acres fine wheat and corn land. New house and barn, good well with gas engine attached. All fenced. 4 1/2 miles from town. \$6,500, part can be left on place. Box 149, Frederick, Kan.

80 ACRE home farm, 3 1/2 miles from town, half in cultivation, pasture, alfalfa, good water, four room house, barn, orchard. Price \$3,600.00. No trades. Write for free list. V. E. NIQUETTE, Salina, Kan.

BARGAIN: 80 acres, 68 a. cultivated, balance pasture, 10 a. alfalfa, 6 room house, good barn and outbuildings. Price \$4,500, \$1,500 cash. Write for free lists. W. G. STUDEBAKER, Salina, Kan.

FARMS bought at right prices are a good investment. Send for our booklet containing choice bargains in the corn and alfalfa belt of southeast Kansas. Farms, prices and terms are right. Write for it today. MILLER & SON, Petrolia, Kan.

DON'T this beat the band? Little ranch, 400 acres, 95 acres bottom in cultivation, balance pasture. Good house, big barn, wind mill tanks, timber. Only \$22.00 per acre. Don't take much money to handle. Ask about it. F. D. GREENE, Longton, Kan.

COFFEY COUNTY, KANSAS. In heart of corn and tame grass belt. Farms and ranches \$30 to \$60. List free. LANE & KENT, 3rd St., Burlington, Kan.

WRITE FOR OUR BARGAIN SHEET of our farm and ranch lands in W. Kansas. Also choice farm homes near Wichita, Kan. Kuhlmann Realty Co., Wichita, Kan.

SOUTHEASTERN KANSAS is the place to go for good homes, low prices and easy terms. Send for full information. Address THE ALLEN COUNTY INVESTMENT CO., Iola, Kan.

IN THE OZARKS OF ARKANSAS small fruit farms pay the best; if interested in stock, fruit or grain farms, address EWALT LAND CO., Springdale, Ark.

## ALFALFA LANDS \$40 TO \$50 ACRE

EAST END OF HODGEMAN COUNTY

Very best bottom land, with running water, some timber. Excellent wheat land at \$20 to \$30 per acre. Come and see or write for list. M. W. PETERSON, Hanston, Kan.

## DICKINSON COUNTY BARGAINS

We have many fine river and creek bottom land and also fine upland farms for sale. Good wheat, corn and alfalfa lands at reasonable prices. Write for lists. Mention this paper. BRINEY, PAUTZ & DANFORD, Abilene, Kansas.

### FARM BARGAINS.

Choice wheat and alfalfa lands in famous Medicine and Sharon Valley, \$25 to \$50 per a. J. P. DUNCAN REALTY CO., 712 Beacon Bldg., Wichita, Kan.

BUTLER COUNTY, KANSAS, 160 A. New buildings, 80 acres in cultivation, balance grass, good alfalfa land. \$6,000, terms. BEATTY REALTY CO., Wichita, Kan.

EASTERN KANSAS BARGAINS. Improved stock and grain farms; \$30 to \$65 per acre; write for list free. J. E. CALVERT, Garnett, Kan.

EVERYBODY'S DOING IT NOW. Buying wheat, corn, alf., land at bargain prices. Write us for list. L. E. Pendleton, Room 4, Commerce Bldg., Doage City, Kan.

TO HOMESEEEKERS AND INVESTORS. No better location than S. E. Kansas near Chanute. Splendid farms at \$30 to \$50 per a. Write today for new list. HOME INV. CO., Chanute, Kan.

### WANTED—RANCH.

Six thousand dollars cash to buy equipment of ranch if party can lease ranch for term of years. Submit any ranch proposition. THE KAW VALLEY EXCHANGE, 104 East 6th street, Topeka, Kansas.

### LINN COUNTY FARMS.

Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15 to \$80. Coal, wood, gas, abundance good water. Fruit and everything that goes to make life pleasant. Large illustrated folder free. EBY BROTHERS & CADY, Pleasanton, Kan.

### FOR SALE.

A creamery located in a large town, also a good threshing outfit, and a hotel located at Pierceville, Kansas, and some fine irrigated land in the Laramie Valley, Wyoming, to trade for Kansas farms. W. J. TROUSDALE, Newton, Kansas.

### BARGAIN.

160 acres, good land, 8 room 2 story dwelling, good barn and outbuildings, well watered, shade trees, orchard, fine location, school across road, 3 miles from town, sure bargain at \$50.00 per acre. Send for list of bargains. F. C. LIBBY, Blue Mound, Linn Co., Kansas. J. L. Wilson, Salesman.

### 320 ACRES FOR SALE.

6 1/2 miles from Preston, all fenced and cross fenced, 220 acres in cultivation, 100 acres in pasture; good 8 room house, barn for 16 horses, granary and sheds, well and windmill. On phone and rural route. If you want a good wheat and corn farm investigate this. Price \$11,000 with good terms. CHAS. E. DYE, Preston, Kan.

CHEAP KANSAS AND OKLAHOMA FARMS 1,440 a. improved, Okla., price \$30, all on time. Howard, The Land Man, Wichita, Kan.

SEDGWICK COUNTY FARM BARGAINS. 280 acre first bottom farm, fair improvements. This snap \$47.50 per a. Terms. 101 a. first bottom alfalfa farm. Well improved. 40 a. fine alfalfa one mile of city, 8,000 people. \$110 per a. Good terms. 320 a. improved best alfalfa or wheat land, \$65 per a. Half cash. 80 a. farm, good land; 20 a. alfalfa, good improvements, near Wichita, \$80 per a. For bargains in good farms call on or write H. E. OSBURN, 227 E. Douglas, Room 1, Wichita, Kan.

25 BUSHEL WHEAT—HARPER COUNTY, KANSAS. You should see it; best in Kansas. We have 160 acres, 1 1/2 miles to good trading point, every foot tillable, lays beautifully, fine wheat, corn and alfalfa soil; no rock, sand, gravel or gumbo; fine water, best young orchard and grove in southern Kansas, fair improvements, very best neighborhood. Price \$7,500. Can loan \$3,000 on it. Write us now. J. E. COUCH LAND COMPANY, Anthony, Kansas.

AGRICULTURAL COLLEGE Live near while educating your children. City, suburban and farm property for sale. Choice locations. Write your wants. L. D. ARNOLD, Manhattan, Kansas.

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LAND! LAND! LAND! In Okla., Gulf Coast country and Kan. Prices low; terms easy. Exchanges made. JABEZ F. BRADSHAW, Lenexa, Kan.

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Eighty acres two and fourth miles Waverly, Kansas. All good smooth land. Twenty acres hog tight. Twelve acres prairie hay. Same timothy and clover. Forty-five in corn. Good cottage house and cellar. New barn and cribs with cement foundation and floors. Two chicken houses, cement floor. Good family orchard. One-fourth mile to church. Price \$6,000. Terms to suit you. Eighty acres all smooth. All in cultivation and tame grass. Good house and barn, silo, orchard. Close to church and school. On mail route. Price \$5,500. O'NEIL & LATHROM, Waverly, Kansas.

TWO FINE RANCHES: 960 acres, 300 cult., 660 finest bluestem pasture, permanent spring water, 2 sets imp.; 10 miles El Dorado, may be divided, \$40,000.00, terms on half. 1,660 acres, Cowley Co., 200 acres cult., 70 alfalfa, springs and creek, 1,400 acres fine flint hill pasture, 3 mi. station, \$30, terms. V. A. Osburn, El Dorado, Kan.

FINE improved 80 a. farm 6 ml. Ottawa; all tillable; will sell with \$1,200 cash, remainder \$200 year at 5 per cent annual interest. 86 1/2 a. 7 ml. Ottawa; 5 room house; barn nearly new; well and windmill; orchard; 80 a. smooth land in cultivation; 6 a. timber; close to school and church; price \$52.50 per acre. Loan 1/2 the money. MANSFIELD, Ottawa, Kansas.

160 ACRES in Washington county, 2 miles from town, 1 1/2 miles from German Lutheran church, 1 mile from public school, 110 acres in cultivation, balance in meadow and pasture. 4-room house, barn for 12 horses, also other outbuildings, living water; all fenced and cross-fenced, lays slightly rolling; raises elegant small grain, wheat and oats, also corn, would produce alfalfa in paying quantities. Terms \$58.00 per acre, mortgage \$3,700 at 6 per cent, balance cash. PRALLE BROS., Bremen, Kan.

FOR QUICK SALE FOR CASH. Restaurant doing large volume business, 114-120 N. 18th, Parsons, Kan., city 18,000 people. Must sell on acct. of wife's health. R. L. BOORN, 114-120 N. 18th, Parsons, Kan.

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Three and one-half miles from town, 120 acres good wheat land, all well grassed, living water. Big snap. Must sell quick. Price \$8.50 per acre, terms. Other bargains. List on request. MARRS & DAY, Meade, Kansas.

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FARM BARGAIN 160 acres, 5 miles from Topeka, Kan. 120 acres in cultivation, 15 acres clover and timothy, 8 acres hay meadow, 2 acres orchard and grove, balance pasture, all can be cultivated, good soil, plenty water, 6 acres fenced hog tight, good 5 room house, basement barn, size 32x40 feet, driveway and 4 cribs on second floor, hay fork, corn crib, hen house, hog house, cave, on main traveled road, R. F. D. and phone, 1/2 mile to school. Price \$47.50 per acre. This is \$10 to \$15 per acre cheaper than what adjoining lands have sold for. Terms \$2,000.00 balance to suit. Farm must be sold to divide partnership. Address E. J. Olander, No. 201 East 21st street, Topeka, Kan.

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EASTERN KANSAS I have for sale at owners' prices over 300 choice improved farms, all sizes, in Lyon and Coffey counties, Kansas. Fine corn, wheat, alfalfa, timothy and clover. Write for new illustrated descriptive circular; some exchanges. Address ED F. MILNER, HARTFORD, KANSAS.

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160 A. two ml, R. R. town, seven ml. of Co. seat, \$40 per a. Good four room house, 120 a. in cult., easy terms. J. H. Fuss, the Land Man, Medford, Okla.

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40 ACRES about one mile from Thomasville, Okla.; R. R. town, lies well, unimproved, all in timber and grass, perfect title, price \$5.00 per acre, terms. W. F. COLNOR, Heavener, Oklahoma.

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TERMS TO SUIT. 160 a. 7 miles of Medford, 4 1/2 miles of R. R. town, 35 a. fenced with 3 ft. woven wire in pasture, balance in cult., good orchard, small fruit, fine water and mill, 4 room house, large barn and sheds, 2 miles of school, some wheat. Good loose loam soil. Good ALFALFA land. Write us for trades. BATTEN REALTY CO., Medford, Okla.

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FOR LEASE: 200 acres fertile Oklahoma bottom half mile from town of 3,000, long lease given for putting under cultivation. J. N. Roberts, Dept. Agr., Washington, D. C.

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RAINS ABUNDANT; crops fine; land values will double quickly. We are expert farmers, 40 yrs. experience, and will give your business honest attention. Agents wanted. White Brothers, Plainview, Texas.

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THE FINEST apple farm in the county, must go, 186 acres, 7 room good house, fine basement barn 36x70, concrete floors, 30 cow stalls and 6 horse stalls, manure car, water running in barn, 300 ton round silo, barn 30x50, tool house, hog house, twenty acres 15-year-old winter apple trees, heavy bearers, finest kind of fruit, cuts 50 tons of hay, 1,000 bushels of grain, 3 miles to railroad town, one mile to macadam state road. \$9,500. \$4,500 cash, balance long time at 5 per cent. HALL'S FARM AGENCY, 1300 Lake street, Elmira, N. Y.

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320 ACRES; snap Elbert Co.; average rainfall exceeds 27 inches per annum; excellent crops on adjoining land; 4 miles of R. R. Price \$10 per acre, easy terms. Owner, Francis James, 1734 Welton St., Denver, Colo.

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