

Thirty-Two Pages

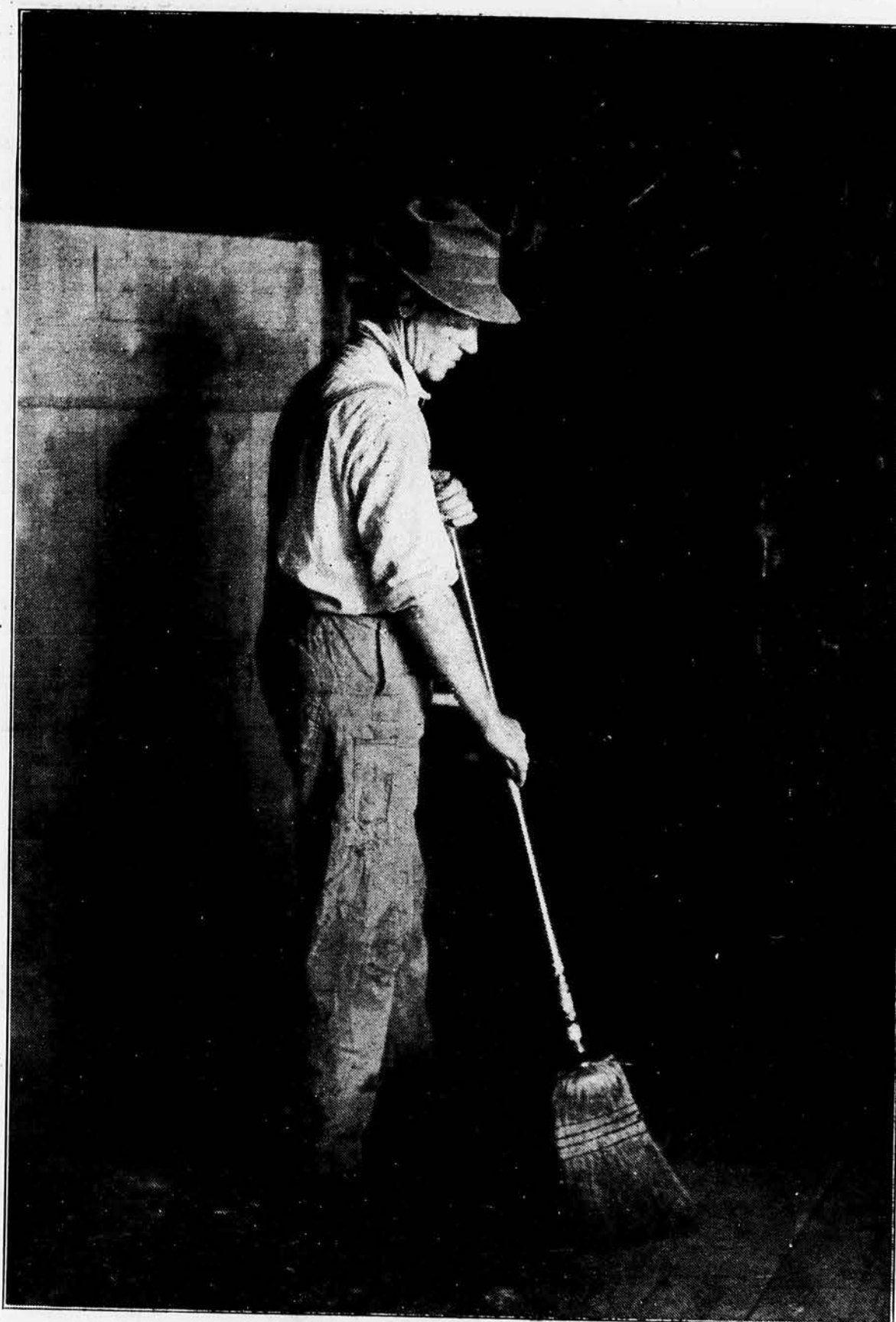
Price Five Cents

# *The* FARMERS MAIL AND BREEZE

Vol. 45.

November 13, 1915

No. 46.



The Sweeper





After a painting by G. P. A. Healey in the Museum of the Brooklyn Institute of Art and Science

*Charles Goodyear*

## An Accounting to the American People

**T**HIS MONTH marks the fiscal close of the most phenomenal year The Goodyear Tire & Rubber Company has ever known.

Goodyear tire sales were far, far greater than in any previous year.

They were far greater than the sales of any other tire in the world. Other Goodyear products registered an equally enormous gain.

It seems to us a fitting time to render an accounting to the American people, to whom we are indebted for this unprecedented prosperity.

And it also seems to us a propitious time to acknowledge another debt to one of the world's great industrial geniuses, who spent almost his last days in a debtor's prison.

What this business is, in its first and last essence, it owes to Charles Goodyear.

It was not founded by the man whose honored name it bears.

But it has brought to that name, at last, the world-wide eminence which was denied him during his life.

His indomitable spirit has been a never-failing source of inspiration — in every branch of its thousandfold activities "his soul goes marching on."

Charles Goodyear was a man with a fixed idea — pre-destined, almost by reason of that fact, to disappointment, disaster and seeming disgrace.

His fixed idea was the vulcanization of rubber — and on this bed-rock idea there rests today that mighty industrial structure, the rubber business of the world.

In the remotest corners of the globe, wherever civilization pierces its way into the wilderness; in the jungles, and on the plantations, where millions of black men toil to satisfy the world's supply—*Goodyear means rubber and rubber means Goodyear.*

By right of inheritance, by right of adoption, by right of devotion to his high ideals, not merely the tire supremacy of the world, but the rubber supremacy of the world belongs to the Goodyear Tire & Rubber Company.

And so this business which perpetuates his name is also animated by a fixed idea.

And that fixed idea is that The Goodyear Tire & Rubber Company is bound to win the world-wide rubber supremacy if it simply upholds and maintains the goodness of Goodyear.

We believe firmly in the ultimate triumph of manufactured goodness.

We believe that the American people are everlastingly on the alert to find that which is worthy.

We believe they have awarded first prize to Goodyear because they believe in Goodyear.

We are convinced that no one can take that place away from us as long as we are true to them, and true to ourselves.

And because we prize this good will as the most precious asset of this business, nothing unworthy shall go out into the world under the brand of Goodyear.

The spirit of Charles Goodyear stands guard over every operation and every department in these great factories.

It says to every man on the Goodyear payroll, from the highest to the lowest: "Protect my good name."

Wherever, and whenever, man, woman, or child, thinks of aught that is made of rubber — we want their second thoughts to be of Goodyear.

And to the end, we repeat — nothing unworthy shall ever go out of these great factories under the brand of Goodyear.

**The Goodyear Tire & Rubber Company**  
AKRON, OHIO

F. A. Seiberling, President



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Carriage Tires  
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Motorcycle Tubes  
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# GOODYEAR TIRES





# THE FARMERS MAIL AND BREEZE

An Agricultural and Family Journal for the People of the Great West



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Number 46

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## Roads and Real Care

### Only Fifty Counties Obey the Law

ONLY 50 counties in Kansas have complied with a law passed in 1911, which requires that every county shall appoint a highway engineer. Worse than this, in only about 20 counties is the road work being done under the direction of the county engineer, in compliance with the spirit of the law.

How many of the 10,500 township and county road officials in Kansas know what it costs a cubic yard to move earth with a grader, slip, wheeler, or wagon? How many know the cost of concrete and other bridge building materials? The officials may know how much it costs to grade a mile of road and contend that it is not necessary to know the cost a cubic yard. Why does a merchant keep a unit-cost of his wares? Is it not because he wants to buy from the man who sells the cheapest? A county should know if its roads and bridges are costing more than they should.

Many counties are imposed upon in the purchase of materials and supplies, and are actually paying more, even in large quantities, than individuals have to pay in small amounts. They are occasionally sold machinery entirely unadapted to the work in hand. For instance one county bought a motor truck instead of an engine to pull graders. In a few months the motor truck was for sale. Another county bought nine small, four-horse graders at \$133 apiece to be used as drags. I know of several townships in the state which have bought large elevating graders at a cost of about \$1,200 to \$1,400 each, which they have used only a very few times. These machines are now for sale cheap, for the boards have found that they are unable to hitch to them for less than \$25, and that the equipment is entirely too big for the work they have in hand.

In these cases I have every reason to believe that the officials felt that they were getting just what they needed. Apparently, however, they were misled by the salesmen as to the equipment required.

The remedy for these ills is to have some one in charge of highway building who is qualified by education and training and free from political influences and who can be held responsible for results. The commissioners do not devote all their time and attention to their office, and it is self-evident that an engineer trained in road building will get better results than any set of men who give only a few days a month to their office. The county and township boards are generally made up of busy men, many of whom have to neglect their private business to attend to the duties of their office. It is an imposition on the part of the public to ex-



By W. S. Gearhart

pect these officials to attend to all of these details. A number of the county boards have found that they simply cannot do it, and have employed a competent county engineer. In such counties the board decides the policy, and from the engineer's recommendations and estimates it determines what improvements are to be made and the amount of money to be expended. The board then holds the engineer entirely responsible for the carrying out of this work. The boards are thus left free to devote their time to administrative matters. The results of this method of handling the highway work have been uniformly satisfactory not only to the county boards, but to the public as well. Elk, Wilson, Reno, Clay and Mitchell counties are good examples of this system of highway management.

In many counties there is entirely too much division of authority. There is no danger in concentrating the authority and responsibility for the actual construction and maintenance of our public highways in the office of county highway engineer so long as we have the recall. He should act under the direct supervision of the county board and the state highway department. The work should be standardized and systematized throughout the state as much as possible.

In our highway work the county board should levy the required funds, decide where and how this money is to be expended, award the contracts, give the work general supervision, and after it is approved by the engineer finally inspect and accept it. The state highway department should prepare standard specifications governing the construction of all bridges and culverts, and approve the plans for all important bridges and road work. The county engineer should pre-

pare and approve all plans and specifications for all road and bridge construction and maintenance, and directly supervise the work. He should direct all road dragging and highway repair work. He also should keep a detailed cost record on each job, and make an itemized annual report on all the work accomplished. This report should be published, so the taxpayers may know just what is being accomplished, and what it is costing.

Before the August meeting of the county board when the taxes are levied the county engineer should make a careful inspection of all the roads, bridges and culverts in the county, to determine what improvements must be made during the ensuing year, and prepare estimates of the probable cost of each piece of work. He should submit the estimates along with his recommendations on each piece of work to the county commissioners, to guide them in making their levies and providing adequate highway funds to properly maintain the roads and bridges. If the boards had such information they could then make their levies intelligently instead of guessing the amount of funds that may be needed.

Road building is a business, and the sooner we recognize this the better for all concerned. In former times the landowner did everything for himself. He tanned his leather and made his own shoes and harness. He grew his own wool and flax, spun the fiber, wove it into cloth and made his garments of it. He ground his own grain into flour. He made his own tools and vehicles. He made his own tallow dips. He also built his own roads. From the fact that each man was his own tanner, shoemaker, spinner, weaver, tailor, miller, blacksmith, carpenter, candlemaker and road-

### Competent Engineers Are Needed

maker, it was impossible that he should be expert in all of these lines, and consequently the things he made were crude. The comforts he enjoyed were few.

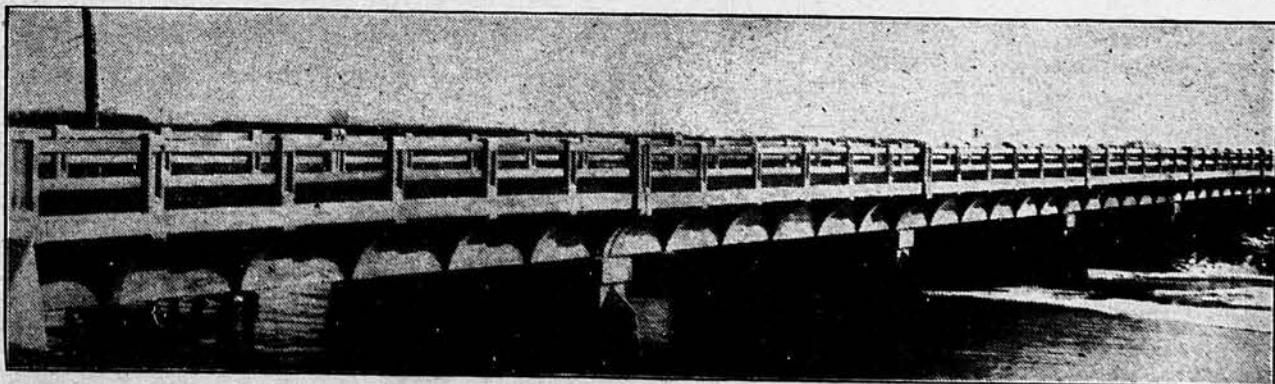
The farmer today has turned over to specialists nearly everything but the running of his farm and the building of his roads. In conjunction with his neighbors he even hires a specially trained butter and cheesemaker to handle his milk and cream—and serves a higher grade of butter and cheese on his own table as a consequence. The things aside from farming which a farmer still does for himself, such as road building, are the ones that are done the poorest.

The ordinary engineering and supervision expense of private corporations on any work of the character of road building and construction work is about 10 per cent, and it is money well spent. During the year ending November 1, 1914, Iowa spent \$5,027,000 for bridges and culverts. All of this work was done under the direct supervision of the county engineer, and the entire engineering expense was only \$156,000, or 3.1 per cent of the total expenditure. There is nothing Kansas could do which would improve the highways so much as to spend 3 to 5 per cent of the highway funds collected annually for roads and bridges in employing competent engineers to supervise the work and the expenditure of this money.

When you are sick you call a doctor; when you are angry you call a lawyer; when you are broke you call the banker; when you are in trouble you call the preacher; when you are ignorant you call the teacher; when you want wheat, corn, cattle, alfalfa or something good to eat you call the farmer. Then, when you are in need of good roads why don't you call the engineer, the good roads physician who will heal the wounds of the country roads, who will operate upon their surfaces and place them in perfect order?

### Broom Corn Market

The broomcorn business appears to have shifted, temporarily at least, from the fields to the Wichita market, says Brooms, Brushes and Handles. With the cleaning up of the Lindsay, Lawton and Carnegie districts, in Oklahoma, where nearly all the manufactures in the country were represented for a time, the buyers of these houses came to Wichita and the dealers did a good business. Upward of 60 cars of broomcorn, most of it 1914 crop was sold, and business still appears brisk. Old brush sold at \$85 to \$100; new dwarf sold at \$65 to \$100, according to quality and standard from \$110 to \$130.



An Excellent Concrete Bridge at Great Bend, Planned by W. S. Gearhart, the State Highway Engineer. That Indicates Forcefully the Need For Technical Training in Road Building.



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Mgr. Livestock Advertising.....Frank Howard

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## The Farmers Mail and Breeze

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# Passing Comment--By T. A. McNeal

## The Money Conference

The first "Government Money Conference," which was held at Chicago last week may or may not be the beginning of a successful educational movement with the object of securing a more general understanding of what money really is and what the proper function of the government is in relation to the issuing of currency.

My old friend M. V. Rork was one of the speakers at the conference, his subject being "Money Without Interest." He writes enthusiastically about the conference and the way in which his speech was received.

There are some things concerning the money question which seem clear to my mind, but a great many very intelligent and honest people differ from me radically and as we are all liable to error I am willing to concede that possibly my reasoning may be wrong. The only thing I ask of the person who differs from me is that he make the same admission—that is, that possibly he may be wrong. It is entirely useless for two persons to carry on an argument where either one dogmatically asserts that he is right and refuses to open his mind to any suggestion contrary to his established belief.

It seems to me that a common error in the minds of men is that money is wealth. I do not think money is wealth but I believe it to be only a convenient medium for the exchange of wealth. It probably is true that there was a time at the beginning of commerce between men when money was real wealth. The first commercial transactions were just the barter of commodities. One man, having more of a certain kind of commodity than he needed for his own consumption, traded his surplus of that particular commodity for another man's surplus of some other commodity. After a while it dawned on the minds of these primitive men that it would be very convenient if some commodity could be found that most of the people desired, which could be used as a common medium of exchange. This need increased as commerce grew and men invented means of travel by which they could go a considerable distance from their homes and trade with strange people.

As all savage peoples loved ornaments, a commodity which could be used most easily for ornamentation suggested itself as the best medium of exchange. Gold and silver were discovered and as they were easily wrought into ornaments it was natural that they gradually should become the favorite common medium. That was before governments were organized, but even after governments were organized there was little or no thought of an organized system of credits and so the original system was continued.

Trade and commerce today, however, are carried on by exchange of credits and not by exchange of money, except to a very limited extent. It is a common error to say that a very large per cent of the business of the country is done on borrowed money. It is done on borrowed credit and the people who borrow furnish the credit themselves. The government of the United States lends the credit of the whole people to the banks and in this way compels them to borrow back their own credit and pay interest upon it.

It seems remarkable that persons of supposed intelligence and sense stand for such an illogical and unfair financial system, but the hard fact remains that they do stand for it and furthermore, that a majority of them seem to be ready to join in ridiculing anyone who proposes to change the system and permit the people to use their own credit without first handing it over to private individuals and then paying these private individuals interest for the privilege of using it.

This is the reason why I am not so hopeful as I might otherwise be that the Chicago conference will produce any good results. It may however, do something toward educating the people up to the point where they can see the light.

## Voting Bonds

It is probable that at present the state of Kansas could sell at par 100 million dollars in 4 per cent bonds if our constitution permitted the voting of that amount, but I would oppose such an issue. If the state should vote 100 million dollars in 4 per cent bonds running 50 years it would require first an annual tax of 4 million dollars to pay the interest

on the bonds. During the life of the bonds the taxpayers of the state would be obliged to pay 200 million dollars in interest and then would still owe the principal. It is outrageous that the people of the state should be compelled to hand over their united credit to bond buyers and interest gatherers and then borrow that same credit back for their own use.

The expenditure of 10 million dollars per annum for the next 10 years would not only be of great permanent benefit to the state in the way of the most extensive system of permanent roads ever established, but it would add very greatly to the immediate prosperity of the state. There would be no idle labor in Kansas during these 10 years except among those who did not want to get work. Bread lines and soup houses would be abolished at least so far as able bodied men were concerned, for they would have no excuse for depending on public charity.

Of course in order to put this plan into execution two things are necessary: first, a change in the constitution of the state of Kansas; and second, an act of congress permitting the depositing of non-interest-bearing state and municipal bonds and the issuing of United States currency based on the same.

But unless more of the people wake up to their own interest than ever have done so far that will not come to pass.

## Preparedness

The great question that will come before the congress that will meet in less than a month will be the question of military preparedness. The indications are that this government is to be committed to a policy which has been tried out by all the great powers of Europe and which has brought its logical result—slaughter unparalleled in the history of the world; destruction of property beyond the power of human comprehension. And the end is not yet in sight.

It is estimated that 10 million men of the various warring nations already have been either killed or wounded. Two million permanent cripples already doomed to go through the remainder of their lives maimed and in most cases continual sufferers.

If the war continues another year, as it may, the number will be doubled.

The war debts of Europe will be increased by fully 30 billion dollars and the amount of property destroyed probably will reach the same inconceivable total. Europe is bleeding to death and every day fresh openings are made in its veins and arteries. A hundred years from now the effects of this awful and senseless conflict still will be apparent. And the worst effect perhaps of all, is that men, women and children are being taught to hate one another with a fierce, unreasonable hate. Love is to be strangled, confidence destroyed and in their place suspicion and unreasoning hate are to be enthroned.

To this policy the United States is to be committed. Our people are being taught to believe that our safety lies in being prepared to battle with all the world. We must also play the murder game which has resulted in such untold misery across the ocean.

True, it is asserted by the champions of military preparedness that we are not to prepare for aggression but only for reasonable defense. That is exactly what was asserted by every nation in Europe. Germany insisted that she was surrounded by nations jealous of her commercial progress and that she must prepare an army and navy sufficient to protect her from invasion. England claimed that her commerce could be protected only by a navy large enough to match the navies of any two of the other powers. France saw the vast military preparations of Germany and believed that it meant that her neighbor intended to destroy her. Russia insisted that she too must be protected by vast armies and navies or otherwise she would be cut off from all opportunity to expand her commerce.

Not a single one of these nations would for a moment acknowledge that it had any thought of waging an aggressive war. It was building its war machine simply to insure peace. It did not insure peace and any man with a thimbleful of brains must have known that it would not.

Trust begets trust and suspicion engenders suspicion. You do not fear your neighbor so long as he goes peacefully about his business and meets

you unarmed and in a friendly manner, but if he begins to go armed and give out intimations that he is doing it to protect himself from probable attack by his neighbors, including yourself, you at once become suspicious of his real intentions.

If the security of a nation depends on the strength of the armed force it can muster then it should go to the end of the logic of that assumption. It should have compulsory military service and every man of military age should be drilled, armed and subject to call at a moment's notice. Germany did carry that theory to its logical conclusion. The other nations endorsed the theory but failed to carry it to the same logical conclusion. The result is the greatest war in history and the most widespread and unspeakable suffering.

If the advocates of military preparedness are right then it is folly to stop with a regular army of 200,000 men and a reserve army of 400,000 men. It is useless just to add a few more ships to our navy. If as they say, we are likely to be attacked by the combined forces of all the other nations of Europe and Asia, then we should have a navy equal to all the other world navies combined and an army as great as all of them combined can muster.

What supreme, what asinine folly. If this military policy is adopted, there will be created immediately, here in the western world, the same atmosphere of distrust and suspicion which has ruined Europe. Militarism will spread over North and South America. Our sister republics will suspect our motives and an atmosphere of suspicion will be created all over North and South America.

What do you propose to do about it? It may be the carrying out of this military program cannot be prevented, but at least you can express your disapproval to your member of congress.

## California vs. Kansas

I have been asked since I returned from California what impressions were made on my mind in contrasting the two states, California and Kansas.

Well, what impressed me most was what the enterprise of man has done for the great state of California. A large part of that state was originally a desert. By the intelligent labor of man that desert, or a good deal of it, has been changed to a most inviting land. The orchards and fields look so clean and inviting that it is no wonder a great many people want to go there to live. It seems to me that with the same amount of careful attention Kansas might be made even more beautiful than California, or at any rate it could be made much more inviting than it is now.

It is true that there are farms in Kansas that are well kept; the houses and other farm buildings are painted and in good repair; the fields are well tilled and free from weeds. When you see that kind of a farm it delights the eye and you feel proud of it. But truth compels me to admit that this is not the general condition. In far too many cases the fences are hidden by weeds. The fields are ill kept. The houses are unpainted and out of repair. The farm implements are left standing in the fields. There are no flowers nor well trimmed trees and shrubbery in the yards. In short, there is nothing inviting about the appearance of a large number of Kansas farms. There has been a good deal of improvement in the Kansas roads within the past three or four years but even yet bad roads, especially in eastern Kansas, seem to me to be the rule rather than the exception.

I believe that it is also true that the fertility of Kansas lands, owing to improper cultivation, is decreasing and that unless there is a change made in the methods of cultivation, farming in Kansas will become less and less profitable until the Kansas farmer who is making any money out of his farm will be the exception rather than the rule.

If our young men are to be kept on the farms two things are necessary: One is that the farming business must be made profitable and the second is that it must be made attractive. If farming means simply long hours of drudgery and small returns for the labor expended it is idle to talk about keeping the young fellows of ambition and energy on the farm. They will go away where they believe they have a chance to do better in a financial way and have more enjoyment.

I do not think it a mere theory that good farming pays. As a rule the farmers who keep their



farms in the best condition are the most prosperous. That by a proper system of cultivation the farms of Kansas could be made to produce double what they produce at present I do not have a doubt. Furthermore it does not cost any more to produce a good farm animal which always has good market value than it does to produce a runt which has almost no value at all. I think one trouble with most Kansas farmers is that they try to farm too much. They undertake more than they can do and do it well. Naturally this results in slovenly farming. There are so many duties pressing on the farmer that he has to neglect part of them and does only the things that seem to him necessary to be done. When his day of hurry and toil is over he is too weary to think much about fixing things up around the place and the habit of just letting things go grows on him. There is no satisfaction in poor farming and poor stock, but there is immense satisfaction in good farming and good stock.

One of the arguments in favor of first class roads is that they are certain to result in better kept farms. Invariably you see the best kept farms alongside the best roads just as you always will find the best kept houses on the streets of any town where there are the best sidewalks and the best kept streets.

We are imitative creatures. Neatness begets neatness. Thrift begets thrift. When one man paints his house and beautifies his premises, his neighbor is likely to do the same thing for if he does not, the contrast makes his own premises appear more shabby.

I do not say that Kansas is behind a great many other states in the matter of keeping up her roads and her farms. No doubt we will come up to the average, but I do say that if the same amount of money and care, or if one half the amount of money and care, were expended in beautifying and improving the country in Kansas that are expended in California this state would look like a paradise.

## Big Expenditures

Francis M. Elliott, whose interesting letter on California appeared last week, sends me the figures furnished by R. H. Norton, one of the supervisors of Los Angeles county, showing the total amount expended during the last five years in building new and permanent roads in that county, outside of the incorporated cities and towns.

During these five years there has been expended on concrete country roads in Los Angeles county the enormous total of \$5,176,584. The number of miles of concrete road built in the county, outside of the cities and towns, is 455.28 miles at an average cost a mile of \$11,377. Now I would not advise any such enormous expenditure as that but I am in favor of making a start toward a system of permanent paved roads.

What ought to be done, but which I fear will not be done, is this: The state of Kansas should be permitted to vote non-interest-bearing 50 year bonds. These bonds should be deposited in the treasury of the United States as security for legal tender United States notes to be used in the building of state paved roads. On the notes the government should levy a tax of 2½ per cent per annum. One half of 1 per cent would cover the cost of issuing the currency by the government and 2 per cent should go toward paying off the principal of the bonds. At the end of 50 years this tax of 2 per cent would pay the bonds.

Supposing that under this plan the state should issue 100 million dollars in non-interest-bearing bonds. Estimating the average cost for each mile of paved roads at \$10,000, this would be sufficient to build 100,000 miles of paved road or 125 paved roads from the east to the west line of the state and 250 paved roads from the north to the south line of the state. As it would be impossible to build all of these roads in a year or in perhaps less than 10 years, the bonds should not be issued faster than the money was needed.

We will say that 10 million dollars in bonds was issued the first year. That would be sufficient to build 1,000 miles of road. The next year 10 million dollars more in bonds would be issued to build another thousand miles. The tax necessary to be paid for cost of issuing the currency and the sinking fund the first year would be \$250,000. This would increase until it finally would reach an annual tax of 2½ million dollars. Now while I have no means of knowing how much money or labor, which is or ought to be equivalent to money, is spent at present on the roads of Kansas, I will venture the assertion that it will amount to more than 2½ million dollars. I include in this estimate all the money and labor spent by the various counties and townships in the state.

## A German View

Editor The Farmers Mail and Breeze—A recent issue of the Farmers Mail and Breeze contained an article similar to many you have published since the beginning of the European war apparently intended to sting the hearts of those readers who are born Germans, or who are at least of German descent.

Now, Mr. McNeal, you surely remember that President Wilson at the outbreak of the war asked us to be strictly neutral and refrain from discussing war problems and conditions, especially in public of mixed opinion. Why not obey the request? As far as I am concerned, I do not keep an agricultural paper to read these one-sided articles of yours, or any other "Yankees," but for the reason that I always have valued your paper highly for the information it contains

on farming in our great state. I consider you fair minded otherwise and I admire your ability to pass fair judgment on almost any question or discussion.

These articles in regard to the war though, show that you are so fanatically one-sided that you cannot be fair and therefore why not cut out every article pro and con? You condemn every action Germany is taking. If this action gives you a chance for criticism, why not criticize England for her interference with our commerce, or as a promoter of peace and disarmament you surely should join in the protest against the export of arms and ammunition from this country, especially since this alone is prolonging the war.

The tremendous proportions this expert has assumed, together with the anti-German tone of the American press is bound to start our blood to boiling, for with tender heartstrings are we still connected with the country of our birth, our fatherland which stands and will stand after the war second to no other country on the globe, because it is fighting a righteous war, a struggle for its existence against the intrigues of England mainly.

Since this country of ours, although calling itself strictly neutral, is helping Germany's enemies with all means in its power, aside from sending an army, even financially, is it a wonder that some patriotic Germans feel forced to do deeds that in their mind would help the fatherland? The British have in the past shown plainly that their main object is to dominate all they can of the world in order to have colonial troops galore to fight for them and plenty of aid financially in case of a war like the present one. In spite of this, evidence is getting stronger every day that England is the Gog in the prophecy of the Bible, Ezekiel, Chapters 38 and 39, and is therefore doomed to be defeated. If I fail to see this letter in print I shall conclude that you are hit pretty hard.

Hanover, Kan.

In a world war like the present which affects directly and indirectly every inhabitant of every country whether that country is engaged in the fighting or not, it is idle for any man who does any reading or thinking to be neutral. He is for one side or the other. I am not neutral. I make no pretension of being neutral. My sympathies are strongly with the allies although previous to the war I was a great admirer of Germany. I did not like its militarism but I admired the great enterprise shown by the German people. For that matter the German people challenge my admiration yet. I have no quarrel with them, but I think their leaders, those who control the policies of the German government and who are responsible for this war, deserve the lasting condemnation and execration of mankind.

But most of us are inconsistent. Mr. Neumann, in one paragraph of his letter insists that I shall cut out all articles pertaining to the war and in another paragraph at the close insists that his own letter shall be printed. Of course this means that Mr. Neumann thinks that in order to be fair I should publish letters and opinions favorable to Germany but should exclude all opinions favorable to the other side in the interest of strict neutrality. This would seem like a joke if I did not know that Mr. Neumann is in deadly earnest.

German bonds are selling every day in the markets of the United States. Millions of dollars worth of these bonds have been placed already. I have not a doubt that Mr. Neumann thinks that is entirely legitimate and even laudable, because the money is going to aid his fatherland, but when money or arms go the other side it becomes a most wicked thing in his opinion. Personally I would not invest in war bonds of any of the warring nations, but as a matter of business it is legitimate for private individuals to invest their money in German bonds, English bonds, French bonds or Russian bonds.

In other wars Germany always has sold arms to the warring nations and would be buying arms from the United States now if she could get them across the ocean. Her indignation at the sale of supplies to the allies now is hypocritical and inconsistent with her own past practices.

I have no objection to any of the nations engaged in this war preventing as far as possible the sending of supplies to the other nations, although that necessarily interferes with the commerce of neutral nations. I would have no objections to Germany's submarine campaign against British commerce if it had not been accompanied by ruthless, brutal murder. If the German submarines had been able to sink every English merchantman and shut off food supplies from England no valid objection could in my opinion have been made to it, provided the crews and passengers on these unarmed merchant vessels had been permitted to get to some place of safety before the vessels were sunk. There ought to be some little humanity shown even in war.

I am against Germany because her rulers, those who dictate her policies, have violated every principle of humanity and justified every form of unspeakable savagery. A German sympathizer sent me a pamphlet giving the German side of the invasion of Belgium. I read it with care, thinking that my previous opinions might have been wrong. It seemed to me to be the most heartless confession of barbarism I ever had read. It acknowledged that where shots had been fired from Belgian houses at the German troops all the inhabitants of the houses regardless of age or sex had been shot and justified it on the ground of military necessity. It acknowledged that men had been taken as hostages for the good conduct of Belgian cities and towns and that those hostages were to be executed in case some inhabitant of the town, whom these hostages could not control, should fire on the German troops.

The German government has excused and justified the indiscriminate massacre of Armenian men,

women and children by the Turks on the ground also of military necessity.

By order of these same inhuman leaders a gentlewoman, who had nursed alike the wounded of all the contending armies and whose only offense was that she had aided some of her own countrymen to escape from death which would have been certain if they had not escaped, is stood up and shot to death. In striking contrast with this heartless cruelty was the conduct of the English military court which condemned a German woman who was attempting to furnish information concerning British armament to the German government, to only six months' imprisonment, although her act was clearly that of a spy.

Mr. Neumann is especially indignant at England. He does not seem to remember that Germany's alleged reason for declaring war was that it was done to protect herself from Russian invasion. The English intrigue idea was an afterthought.

It is my belief that Germany finally will be defeated, but of course I cannot look into the future any further than any other man. If Germany wins, however, it will be the triumph of the most brutal militarism the world ever has known.

## Defends Landowners

Editor The Farmers Mail and Breeze—Your articles in the Farmers Mail and Breeze are generally very fair, but, like Lloyd George, you make a mistake in laying so much blame on the large landowners in Great Britain.

There may be some cases of the sort, but conditions there are very hard to remedy. I was raised on a farm of 5,000 acres. At 17 I emigrated, my father assuring me that he was losing money at farming. I know that wages were low, and had to be for a farmer to live. It took a capital of from \$3,000 to \$5,000 to stock a farm in those days, and fertilizers were an absolute necessity. Cheap wheat from foreign countries ruined lots of farmers, it cost too much to raise, consequently there was nothing for a landowner to do but to put his land into pasture. A poor man could not handle any land, one bad year would put him in a hole he could never dig out of.

The Duke of Sutherland offered the government 50,000 acres of land at \$5 an acre—this was after Lloyd George made such statements as yours. Did the government take him up? It did not. Why? Because it knew that a man could not make a living from 100 acres of it.

Another case in which a large quantity of land had been reclaimed from the sea. A great fuss was made about it. The owner offered it to the government at cost. On discovering that the land paid only 2½ per cent the government said it would take it if the owner would raise the rent so that it would bring in 1 per cent more.

Small farms do not pay in England. Even now, plums, apples and other fruits do not pay for picking them—unless the farmer is very near a large town. Of course there was great distress in the cities, but do you not have the same trouble in your large cities? Even here in the country I meet lots of men hunting jobs, excepting maybe six weeks in the year.

I think you will find both the above cases on record.

Chetopa, Kan.

## County High School

Editor The Farmers Mail and Breeze—I live in Coffey county and our school district is a joint district in Coffey and Woodson counties. The high school in Coffey county is at LeRoy. There is a high school at Neosho Falls, Woodson county. We live six miles from LeRoy and three miles from Neosho Falls. We cannot send to LeRoy on account of the distance and they charge us tuition at Neosho Falls. Have we any right to the privileges of the Neosho Falls high school under the Barnes high school law? If not, is there any way I can get the tuition from Coffey county to pay to Woodson county? Both counties have the Barnes high school law in operation.

Neosho Falls, Kan.

No. It would seem equitable that you should be permitted to send your children to the Neosho Falls high school without tuition but unfortunately the law does not permit it and neither can you collect the tuition from Coffey county.

## Chickens and Turkeys

Editor The Farmers Mail and Breeze—We are bothered with our neighbors' turkeys and chickens as well as their hogs. We would like to learn through the Farmers Mail and Breeze what our rights are.

Subs. Albany, Kan.

Turkeys and chickens are trespassers when on other premises than those of their owners and might be taken up or even killed by the owner of the premises on which they are trespassing.

Hogs are not permitted to run at large in this state except in townships where a majority of the electors vote to allow them to run at large. Unless your township is one of these exceptions your neighbors' hogs have no right on your premises and the owner of them is liable for any damage they may do.

## About Quarantine

Editor The Farmers Mail and Breeze—A friend of mine lives in Wilson county and was taken with the scarlet fever. He called a doctor from Neosho county who pronounced the disease scarlet fever. Then the doctor called the Wilson county health officer to quarantine my friend and family. Now the doctor from Neosho county wants \$5 for fumigating the house. Do they have to have him or is it the Wilson county health officer's duty to fumigate the house?

Earleton, Kan.

MRS. G. C. H.

It is the duty of the health officer of Wilson county both to establish the quarantine and to fumigate afterward. The health officer is paid for his services out of the public funds of the county.



# Why Feed Pigs by Hand

## Pointers in Pork Production for Kansas Boys Who Enter the Big Contest

By John F. Case  
Manager, Capper Pig Club

**S**ELF-FED hogs grow more rapidly, are more thrifty, and yield a greater profit than when fed by any other method. This not only applies to dry lot feeding but also is true in grain feeding when applied to swine on pasture. But no matter how good pasture or forage is provided, to yield the maximum amount in growth and profit a hog must have corn. Corn is the great producer of profitable pork when properly supplemented. Apparently Iowa pigs, at least, have developed sufficient "hog sense" to enable them to tell just how much corn is needed in fitting them for a quick trip to market, which isn't a smart thing after all. But Kansas boys now enrolling in the Capper Pig Club contest will find the story about these pigs "that went to school" an instructive and valuable one.

Few men in this country are better authorities on swine production than John Evvard, chief of that department in the animal husbandry section at the Iowa Experiment station. Mr. Evvard has carried out some notable experiments at the finely equipped station near Ames, but possibly none so important as a series of tests completed last month. Prof. Evvard and W. H. Pew, also of the animal husbandry department, thought the result of these experiments sufficiently important and interesting to justify them in inviting representatives of the farm press to a meeting at Ames, November 4. About 40 editors inspected the 400 pigs, and the pigs still survive. Never, probably, has there been so representative a gathering of the farm press. And many of the swine breed papers were represented. Every visitor was impressed with the magnitude of the experimental work carried on and with the systematic and careful manner in which the work is performed. Everyone who studies the records, and sees the swine is convinced that the tests as reported are absolutely correct.

### Things Every Breeder Should Know.

Possibly the most important conclusion arrived at in conducting these numerous experiments was that invariably the hogs given free choice of properly prepared feed placed in a self-feeder excelled those that were hand-fed even as often as three times daily. And it was the old-fashioned feeder, the kind that any farmer can make, that did the work. Even breeding gilts have been successfully self-fed that way, and when I saw them every sow was thrifty in appearance and apparently in prime condition for the work of producing and rearing pigs.

After being weaned in the spring the gilts were placed on rape pasture June 15. Shorts, tankage and oilmeal in separate feeders was provided for them and salt was supplied at all times. Shelled corn was fed by hand twice daily, hand-feeding of the fat producing food being considered preferable in this test. The entire herd of 48 gilts averaged 180 pounds October 25 and were a growthy, thrifty lot.

Many Kansas farmers who have thrifty alfalfa fields believe that swine will grow and fatten on alfalfa alone, or with a minimum of fat producing food. "To grow pigs on cheap forage has an economic fascination for most swine men," asserts Prof. Evvard. And it is true. But tests show that pigs given a limited grain ration do not eat as much forage as they should. Nor do they grow as thriftily and fatten for market as profitably as those fed plenty of corn and tankage in addition to alfalfa. At the Iowa Experiment station this year three groups of pigs, each pig 2½ months old and weighing 41 pounds, were placed on alfalfa for a 120 day test. During the first 90 days group 1 was given 1 pound of shelled corn a day for each 100 pounds weight; group 2, 3 pounds a day for each 100 pounds weight, and group 3 had all the corn they cared for. Each

group was fed the grain in self-feeders and all had access to salt. The remaining 30 days of the test 60 per cent protein tankage in self-feeders separate from the corn was added. The pigs in group 1 ate 293 pounds of corn and 19 pounds of tankage for 100 pounds gain during the 120 period. Their gain was less than a pound a day for the final average weight was but 116 pounds. Cost of grain to the 100 pound gain was \$4.15, leaving a profit of \$2.13 for each pig. Group 2 fed 3 pounds corn to 100 pounds pork a day gained almost a pound weight each day, weighing 155 pounds each at close of the test. These pigs each ate 340 pounds of corn and 12 pounds tankage for 100 pounds gain. Cost of grain for 100 pounds gain was \$4.56 and the profit was \$2.78. Group 3 on free feed of shelled corn ate 361 pounds of corn and 11 pounds tankage for each 100 pounds gain but the final weight was 185 pounds. Cost of grain for each 100 pounds gain was \$4.79 and profit \$4.79 a pig. Corn was charged at 70 cents and tankage at \$2.50 for 100 pounds. No charge was made for salt or pasture. Market price was figured at \$7 a hundred pounds.

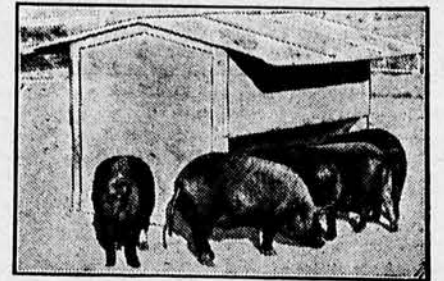
There was little difference in alfalfa

profit would be realized. Of course there is necessarily considerable extra work even when self-feeders are used but every thing considered it seems certain that it will pay to add plenty of corn when the pigs are placed on alfalfa no matter how good the pasturage may be.

The fall pigs weaned in November and marketed in April are virtually a dry lot feeding proposition in this state, unless pasturage conditions are unusually favorable. To aid in solving the dry lot problems John Evvard conducted a series of experiments placing seven groups of 78-day-old 42-pound pigs on feed July 13, 1915. These pigs were fed shelled corn, wheat middlings and 60 per cent protein tankage and all had access to bone ash, rock salt and charcoal placed in separate boxes. The seven groups had been on feed for 100 days when I saw them November 4. Three of these groups had free choice of the feeds given, each variety of food being placed in separate compartments. The first group was self-fed, the second was hand-fed twice and the third hand-fed thrice daily. Three other groups were hand-fed twice daily but the feed was mixed. The six groups had access to water at all times. One group was hand-

pounds gain. The cost of feed was \$6.35 and the profit a pig 62 cents.

In the three groups hand-fed on feed mixed according to approved standards those handled according to the Kellner (recent German) method did best. These pigs weighed 121 pounds each and consumed 283 pounds corn, 59 pounds middlings and 66 pounds tankage for each 100 pounds gain. The feed cost \$6.03 and the profit was 77 cents. The group fed according to the Wolff-Lehmann standard (German) did the poorest of all, weighing but 101 pounds each at close of the 100 day period. They ate 334 pounds corn, 55 pounds middlings and 57 pounds tankage costing \$6.42 for each 100 pounds gain and the profit was



The Iowa Self-Feeder. Simple and Inexpensive.

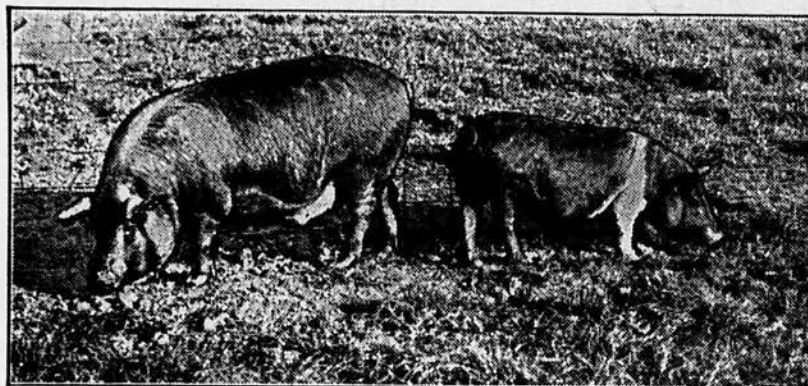
but 34 cents a pig. The group fed according to the Dietrich method, water being weighed, were next in competing for the booby prize. While they weighed 125 pounds each at close of the test they ate 311 pounds corn, 64 pounds middlings and 61 pounds tankage costing \$6.35 for 100 pounds gain and cutting the profit to 54 cents a pig. The Dietrich fed group given free access to water did better. They weighed 127 pounds each after eating 304 pounds corn, 63 pounds middlings, and 60 pounds tankage costing \$6.21 and would have sold at a profit of 67 cents a pig. In these experiments shelled corn was estimated at 70 cents, wheat middlings at \$1.45 and tankage at \$2.50 for 100 pounds. So relatively little of the salt, ash and charcoal was consumed that it was not considered in figuring profits.

Now here is the "meat" in this pig feeding experiment. The pigs provided proper feeds for growth and fat but allowed to balance their own ration had "hog sense" enough to choose just the proportional amounts necessary for the most economical gains. Although they ate but 1 pound more in total weight of feed to the 100 pound gain than the Kellner mixed food lot the self-fed group averaged 34 pounds more weight and the cost of feed was 13 cents a hundred pounds less. The self-fed group ate less middlings and less tankage, the highest priced feeds, than any group. In the hand fed groups the pigs were allowed to eat at each feeding time until satisfied when the troughs were removed. In another experiment self-fed pigs weighing 42 pounds at 2½ months provided free choice of shelled corn, wheat middlings and tankage for 100 days ate exactly the same amount of corn—300 pounds—the same tankage and but 1 pound more middlings. These tests seem conclusive proof that the hog knows his business. In this latter experiment another group weighing 42 pounds each, free-choice self-fed for 100 days on corn supplemented with high protein corn products; gluten meal, gluten feed and oil-cake meal, averaged only a fraction more than 88 pounds. These pigs ate 461 pounds of corn, 1 pound gluten meal, 24 pounds gluten feed and 63 pounds oil-cake meal to the 100 pounds gain, at a cost of \$7.03. Evidently the pig did not know enough to balance a strictly corn ration and ate so much shelled corn that it prevented rapid and economical growth.

### More Good Stuff Coming.

The experiments described are only a few of those carried on at the Iowa Experiment station this year and others will be told about in later issues of the Farmers Mail and Breeze. Boys who enter the Capper Pig Club contest will be given some very valuable information which should enable them to show extremely profitable gains before the contest ends. Even if the contestant's sow and pigs must be kept in a dry lot from beginning until close of the contest there is a chance to win. "A little milk works wonders," asserts Evvard. It did work wonders in one experiment where bred sows placed in a dry lot before the

(Continued on Page 30.)



Litter Mates (Hampshire Crossbred) But 69 Pounds Difference in Weight After 120 Days Alfalfa Pasturage. The Big Pig Had Corn.

consumption on all three groups during the season. To begin with the pigs fed little corn ate more alfalfa than those on full grain feed but the full-fed pigs grew more rapidly and in 90 days weighed 135 pounds each while the first group averaged only 58 pounds. Then as a big pig naturally eats more forage than a small one the larger fellows began to catch up on alfalfa eaten. It also was noticeable that the full-fed group ate less tankage than the first one, and tankage is the high-cost feed. The thing to remember about this experiment is that the pigs given plenty of corn were in condition to place on the early November market when prices usually are about 20 per cent better than 60 days later when the first group would be ready for shipment. And after being dry lot fed on corn and the tankage necessary to supplement it, mighty little

fed twice daily on mixed feed but the water given was weighed as prescribed by Dietrich, an Illinois authority.

In the foregoing experiment, as in all others, the self-fed pigs made the greatest profit although slightly outweighed by the group hand-fed thrice daily. This group made an average daily gain of more than a pound weighing 155 pounds each at end of the period. They ate 300 pounds corn, 53 pounds middlings and 55 pounds tankage for each 100 pounds gain, costing \$5.90, and the profit was \$1.25 a pig. The group hand-fed thrice weighed 158 pounds, ate 296 pounds corn, 64 pounds middlings and 58 pounds tankage for each 100 pounds gain. The cost of feed was \$6.07 and the profit \$1.08. The pigs hand-fed twice daily weighed but 137 pounds. They ate 287 pounds corn, 78 pounds middlings and 65 pounds tankage for 100

## THE CAPPER PIG CLUB

Arthur Capper, Eighth and Jackson St., Topeka, Kan.

I hereby make application for selection as the representative of

.....county in the Capper pig contest. If selected I will send recommendations as requested, I will read carefully the bulletin entitled "The Feeding and Growing of Swine" published by the Kansas State Agricultural college, will follow all instructions carefully and will keep an accurate record of the weight of the sow when received, the weight of the sow and pigs when slaughtered, sold, or at the end of the contest, and the quantity of feed fed to the sow and her litter. I will do all the work myself as far as possible and will give complete direction as to how it is to be done at any time when I cannot do it myself.

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

Approved.....Parent or Guardian

Postoffice.....Date.....



# Cattle Pay the Best

## Livestock Farming Is a Profitable System in Every County in the State

By F. B. Nichols

LIVESTOCK farming is winning in western Kansas. This is the most obvious thing in the study of the agriculture of the western third of the state, and it is a most hopeful indication of a more progressive and profitable future. It has been shown definitely that livestock farming will produce more money over an extended period than any grain farming system. The man who keeps a proper amount of livestock is always reasonably certain of getting the grocery bills paid.

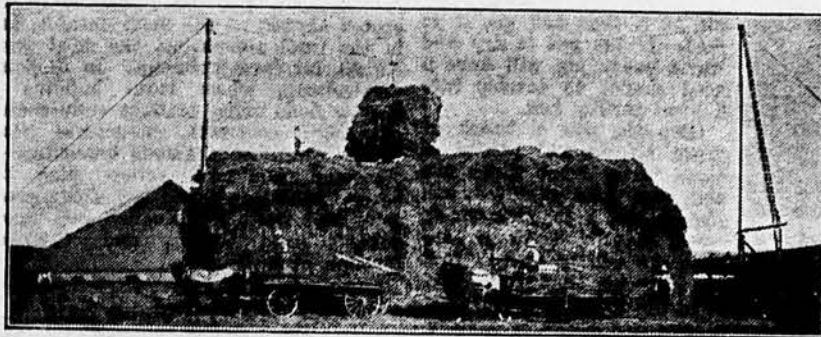
A system of farming for the western third which is founded on livestock, drouth resistant crops and pit silos is reasonably permanent and certain. A grain farming plan is certain in but one thing, there will be many years in which there will be very little income. There will be years when the income from the grain crops will be high, of course, take northwestern Kansas as an example of that this year, but these years are not so frequent as might be desired. A proper acreage of the grain crops along with the livestock usually makes up an acceptable farming practice, and also allows one to get a good profit when a favorable season like the present one comes along.

There is a very definite danger that farmers will be carried away by the fine results with the grain crops this season, however, and grow them, especially wheat, too much. If this occurs it will be most unfortunate. One would do well to consider the past experiences in the western third before he starts in for exclusive grain farming.

Here is the vital fact: The most prosperous and contented farmers in western Kansas, as a class, are the livestock men. Just consider the examples of E. J. Guilbert of Wallace, the Middleton Brothers of Goodland, C. C. Cole and F. G. Goellart of Colby, A. L. Lee of Norton, C. F. Behrent of Oronoque, Thomas Jeffery of Norcat and Charles Morrison of Phillipsburg. These men believe in livestock and they have made their money largely in this way. Most of them handle a proper acreage of grain, but they have not gone "wheat crazy."

"One of the greatest needs of this section is a greater appreciation of livestock," said H. T. Neilson of Norton, the district agricultural agent for northwestern Kansas, a few days ago. "Livestock, drouth resistant crops and pit silos make a combination that will win here, and give good profits. The fine results that have been produced along this line by the leaders have shown forcefully that there is to be a great development with livestock in the next few years."

The man who features livestock is certain of his living, and at the same time he is in a position to take advantage of good wheat years, too. For example, there is Thomas Jeffery of Norcat. Mr. Jeffery is a leading livestock man of his section; he has handled beef cattle extensively, and he now is getting started into Holsteins. He has silos, and he features drouth resistant crops. This year Mr. Jeffery had 400 acres of wheat which averaged more than 25 bushels an acre. He produced 7800 bushels of wheat last season, and of this he sold more than 6000 bushels at \$1.45 a bushel—this was during a very favorable time. Now not all



A Larger Acreage of Alfalfa Is Needed in Most Western Kansas Communities, Along the Streams Where It Will Grow Well.

farmers can carry on their farming operations so successfully as Mr. Jeffery, perhaps, but all can afford to consider his plan. His system is to handle some lines in which he is certain of a reasonable income every year, and then to put the rest of the effort on the grain crops, which are uncertain but highly profitable some years. Wheat has paid very well at Norcat in the last two years, but this is no indication that the crop of 1916 will be profitable. It is reasonably certain that livestock, especially dairy cows, will pay, however, and that the drouth resistant crops such as feterita, Dwarf kafir, milo and Sudan grass will produce at least some feed. By taking the diversified system one is playing safe.

You can find similar examples all over western Kansas. It is libelous to say that this section goes in for exclusive grain farming—it does not, but too many farmers do. In that section, as in many communities farther east, there is not the respect for the more successful farmers that there ought to be.

Some astonishing results have been produced by the grain farmers who have persisted in their wrong methods, take the famous—or infamous—Colby "blown strip" for example. This section is anchored down with weeds and crops in the more favorable places now, but if it is subjected to grain farming again, and the seasons come as they did, the same trouble will be encountered, although perhaps it will not cause so much loss for the farmers have gained experience in handling it. But there will be other "blown strips" in future seasons in the exclusive grain growing communities, while a farming system based on livestock and a proper grain acreage will tend to avoid this.

Another farmer who has demonstrated that a proper grain acreage in connection with livestock pays is C. F. Behrent of Oronoque. His wheat averaged about 30 bushels an acre this year, and he had a good acreage, too. With his livestock he is breeding purebred Herefords and Poland Chinas and he is finding that they pay well, too.

One of the especially inspiring stories of success through the combination livestock and grain route is offered by S. B. Middleton of Goodland. Mr. Middleton went to Goodland in 1886, and after paying his homestead fee he had \$16 left. That was the start; today he and his four sons, who all live on farms near him and with him make up the famous Middleton community, own

more than 4,000 acres. They have made the money for this on livestock and wheat. The livestock brings in some income in the "off" years and they make a good profit on the wheat when a favorable season arrives, as it did this year.

One of the most vital facts that I saw on a recent trip through western Kansas on the farms of some of the leading livestock men is that they all believe in pit silos. Most of the men I visited had several silos, and they expect to dig more. A silo allows the feed to be saved in the favorable years, and thus conserved for the days of want which experience has shown are certain to come. A vast amount of feed has been wasted in the western third in the last two seasons which could have been saved if the silage room had been available. One of the big needs of western Kansas is for the average farmers to wake up more extensively to the value of pit silos, and then dig them.

In connection with this, a larger acreage of the drouth resistant crops is of vital importance. There is a big acreage of corn in western Kansas this year—a much larger acreage than the experience of the past with this crop would justify. The leading livestock farmers are not planting this crop extensively as a rule, either—it generally is planted by the men from back east, who are determined to use the methods of the humid sections in western Kansas. While they got fair corn yields this season they are just as certain to have low yields in the future. The best demonstrated fact in crop growing in western Kansas is that the drouth resistant crops will greatly outyield corn over a series of years in both grain and silage. With this as an axiom it is quite obvious that corn has but a small place in the agriculture of that section.

An encouraging factor in the progress of better farming in western Kansas is the increasing interest in dairying. If you will get out among the average farmers you will find that many of them are thinking more kindly of cows than ever before, and you also will find many who are starting into milking on a small scale. If you do not believe this a talk with the cream buyers at the stations on the main lines of the railroads will convince you that it is true. There has been a considerable increase in the receipts at many of these stations. Of course it is true that many of the men who have been milking cows have quit because of the added profits that they have made from grain—this was to be expected anyway—but it also is true that there is a growing appreciation that dairying has an important place.

The outlook for farming in western Kansas is decidedly bright. That section is about through the period of readjustment which every new section must go through—the period in which there is a vast difference of opinion in regard to the best farming practice. Many of the axioms of farming in western Kansas are now well established. Some of the more important of these are that there is a big place for livestock, drouth resistant crops and pit silos, and that exclusive wheat farming is not the most profitable system, when taken over a series of average years.

### Good Average For Pigs

F. B. Boyd of Jamesport, Mo., breeder of the original big bone spotted Polands had an excellent, well attended pig sale with an average of \$30. Col. P. M. Gross of Macon, Mo., Col. Charlie Nelson of Trenton and Col. J. Zack Wells of Kansas City, did the selling. The entire offering of 40 head was disposed of in two hours. Here is a list of the representative sales:

Number	Name	Price
1	H. L. Faulkner, Jamesport, Mo.	\$30
2	Jno. Hunter, Princeton, Mo.	29
3	Ben Hardin, Tina, Mo.	25
4	Francis Aubray, Green City, Mo.	55
5	Wm. Lentz, Jamesport, Mo.	30
6	R. Cole, Jamesport, Mo.	29
12	Ralph Loomis, Diamond Springs, Kan.	35
13	Robt. McCray, Jamesport, Mo.	25
14	Jas. Penn, Jamesport, Mo.	26
15	Geo. Goodbar, Gallatin, Mo.	30
17	E. C. Maharg, Harris, Mo.	22
19	Leonard Summers, Jamesport, Mo.	22
20	C. L. Downing, Gallatin, Mo.	31
22	J. H. Snider, Jamesport, Mo.	30
25	J. H. Moss, Jamesport, Mo.	32
26	Albert Vaughn, Gallatin, Mo.	30
27	Chas. Hunter, Princeton, Mo.	32
32	Ralph Loomis, Bonner Springs, Mo.	32
34	E. L. Beans, Tina, Mo.	25
35	W. S. Lillitt, Muncie, Okla.	35
37	R. A. Miller, Jamesport, Mo.	37

### This Offering Was Right

One of the best offerings of the season was the Poland China offering made by J. D. Gurthet of Pattonsburg, Mo., October 29. Every one present was pleased with Mr. Gurthet's Poland Chinas and still the bidding was slow. The average of \$35 on 70 head was not bad but it might have been more without hurting any of the buyers. The prices ranged from \$25 to \$70. Mr. Gurthet expressed himself as being very much pleased with the sale. Col. Gross, McClure and Hamilton were the auctioneers. This is a list of the buyers and representative prices:

Number	Name	Price
3	J. L. Winner, Pattonsburg, Mo.	\$50
4	T. A. Coplinger, Moberly, Mo.	50
6	Oliver Farber, Jameson, Mo.	65
7	A. M. Tipton, Milan, Mo.	45
8	Arthur Vest, Pattonsburg, Mo.	46
9	J. W. Monk, McFall, Mo.	45
10	J. F. Childs, McFall, Mo.	33
12	W. N. Head, St. Joseph, Mo.	35
15	J. A. Fiber, Pattonsburg, Mo.	35
17	Col. Hamilton, Maysville, Mo.	52
18	Jacob Sparks, Pattonsburg, Mo.	70
21	Bridges Bros., Slater, Mo.	40
24	Louis Roberts, Jameson, Mo.	40
28	W. J. Morris, Pattonsburg, Mo.	31
29	C. E. Lowry, Pattonsburg, Mo.	46
37	J. A. Fanning, Pattonsburg, Mo.	30
48	W. S. Mauring, McFall, Mo.	31

### Martin Kelly's Duroc Sale

A very good crowd of farmers and breeders was in attendance at Martin Kelly's annual fall sale at Verdon, Neb., November 3. The offering was good and very well appreciated although there were some real snaps as there always are in auctions of this kind. Lack of fitting to some extent was responsible for low prices and a declining market made the bidding conservative. Col. J. C. Price had the sale in charge and gave out telling arguments in favor of purebred stock. He was very ably assisted by Col. Whitaker and Col. Scott. The two highest priced boars went to Kansas. John Hern of Elmo, Kan., bought two at \$50 each. A list of part of the sales follows:

Name	Price
N. O. Giesman, Humboldt, Neb.	\$41
A. J. Weaver, Falls City, Neb.	31
A. J. Weaver	26
Frank Lichte, Falls City, Neb.	37
Roy Shible, Falls City, Neb.	26
A. J. Weaver	28
J. N. Weaver, Verdon, Neb.	38
L. R. Parsons, Verdon, Neb.	20
John Hern, Elmo, Kan.	50
W. W. Arnold, Verdon, Neb.	35
L. R. Trimmer, Stella, Neb.	30
A. J. Weaver	31
Jake Blue, Falls City, Neb.	36
R. C. Illes, Everest, Kan.	38
James Radekin, Rulo, Neb.	29
J. A. Proett & Son, Alexandria, Neb.	25

### Papa Knows a Good Thing

I am 9 years old and I like to read the letters on the children's page of the Farmers Mail and Breeze. Papa thinks it is the best paper he can find to advertise in when he has something to sell. It sold some of our dear little Shetland ponies and just a lot of our pretty chickens too. Last summer papa bought a setting of White Indian Runner duck eggs for me and six little ducks hatched out. One of them was run over by a motor car and killed but the others are fine. Another year I am going to raise more of them to pay for my music lessons. Our ponies are named Trixie and Spin. We can ride or drive them as we have two little saddles and a little cart. We take the eggs and cream to town for mamma lots of times.

Morland, Kan. Tina McFadden.



A Cattle Herd in Wallace County; Western Kansas Is a Typical Livestock Country, and This Type of Farming Will Give the Best Profit.



## Time for Hog Talk in Kansas

### What to Do and How to Do it Properly

BY P. H. PAGETT.

THE RAISING of hogs in Kansas seems simple at first thought. But, when we consider the fact that a 300-pound hog must pass through the hands of a shipper, a railroad company or two, a stockyard company, a commission firm, a packer, a wholesale firm, a traveling man, and a retail dealer before it reaches the consumer the problem becomes important. Every one concerned takes off a generous slice and we may consider ourselves lucky if the 300-pound porker has not dwindled to a suckling pig when we measure our profits.

The Kansas City market was short 18,800 cars of livestock in 1912. This market needed 2,000,165 cattle in 1901 and 3,716,404 hogs, while in 1912 only 1,943,390 cattle and 2,523,331 hogs were required. During this time there was an increase of 25 per cent in the population of the country. It can readily be seen that something must be done to produce more livestock at lower cost.

I suggest that every farmer breed his sows so that he will have a carload of fat hogs to market at one time. He should ship them to market himself, consigned to some reliable commission firm and if he does not get the top price he should learn the reason and correct the error the next time. If 75 or 100 pigs are farrowed at the same time they will be easier to handle and feed than if they were of different ages and sizes. The feeder will take more pride in them and naturally give them the best care.

When the sows are bred turn them into an alfalfa pasture. The larger the pasture the better it will be for the sows. Give them a feed of corn and shorts both morning and evening. If this plan is followed the sows will wander from a few hundred yards to half a mile from their sleeping place during the day, gathering green feed and insects. This may be a little hard on the alfalfa but it is good for the sows. The more closely one follows Nature's plans the more successful he will be. When the sow has plenty of exercise, sufficient protein in the feed, a decent place to farrow, and is treated kindly she will pay a large dividend on investment. The sow that is treated in this way rarely will have milk fever and starve her pigs and I have never known one that was cared for in this manner to eat her pigs.

If the weather is bad and there is danger of the pigs freezing some one should be with the sow at farrowing time. Line a box with old woolen cloth and put a jug filled with warm water, or a warm brick inside and cover the



box with a blanket. Dry every pig with a piece of flannel as soon as it arrives and place it in the box. Keep the pigs in the box until the sow is through farrowing and is quiet, then take out one pig at a time and get it to feed. If the bed is dry and warm every pig will have a good chance to develop into a good thrifty hog.

Give the sow a bunch of green alfalfa and plenty of clean water from which the chill has been removed and then do not bother her for 24 hours. The feed may be gradually increased so that she will be on full feed in one month. By this time she should be accustomed to alfalfa. Both sow and litter should have free access to pasture. Build a creep where the pigs can be fed by themselves when the sow begins to get thin. Shelled corn and shorts will make a good feed for the pigs and they should be fed just what they will clean up readily about three times a day. When the pigs are 10 weeks old the mother should be put in a dry lot adjoining the pasture and the pigs allowed to run in and out. The sow will "dry up" gradually and in a few days can be taken away from the pigs. There will be little danger of spoiled udders if this method of weaning is practiced.

The pigs should be compelled to rustle in the alfalfa field and have no increase of feed for six or eight weeks. With the use of good judgment the pigs can be kept growing and the cost of production reduced one half. The hog is an early riser during the summer. He leaves the bed very early in the morning and forages while it is cool. If fed and watered later he will rest in the shade until it gets cool again in the evening and then go out and graze. He will come back and stay just long enough to get the evening feed, after which he will stay on the alfalfa until late at night.

It is a good plan to treat the hogs for lice about every two months. The treatment should consist of two sprayings about seven days apart. Any standard hog dip or crude oil can be used for this purpose. They also should have a treatment for worms. Three doses of five grains of santonin in three consecutive feeds followed with a dose of glaucon salts will be effective. If lung worms are present sprinkle the sleeping quarters with a little turpentine. It is a good practice to keep a mixture of copers, charcoal, and salt or the government hog cholera remedy before the hogs at all times.

Beloit, Kan.



### Few Drones at K. S. A. C.

Fifty-five per cent of the students at the Kansas State Agricultural college—5 per cent more than was the case last year—are earning their way wholly or in part. Forty per cent are entirely self-supporting.

Of the men students 55 per cent support themselves completely, while 17 per cent more do this in part, leaving only 28 per cent that rely entirely on their parents for their income. As is always the case, the proportion of women students who support themselves is lower. Twenty-four per cent are entirely self-supporting and 9 per cent more are partly self-supporting.

More than 100 occupations are represented among the parents of the college students, though the fathers of nearly half of those who gave data on the subject are farmers. Of the 2,266 students enrolled in the fall term 316 did not state their parents' occupations. A

total of 893 of the remainder said their fathers were farmers, while 60 more referred to their fathers as ranchmen. "Retired" was the classification given by 182.

### Europe Misses Our Lumber

Prior to the outbreak of the European war many billion feet of American lumber were consumed annually in England, France, Germany, Belgium, and Italy. For Southern yellow pine, particularly, there was an enormous and insistent demand, as that wood is even more popular for general construction uses in foreign countries than it is in America, where it supplies more than 36 per cent of all the lumber consumed. The European trade in American lumber was worth millions of dollars to this country, but since fighting has become the principal business abroad the traffic has been woefully curtailed.

American lumber costs more at all times in Europe than do many other

structural woods, but its superior qualities have made it the popular choice for many purposes. Southern yellow pine is universally recognized as the best material for creosoted wood paving and flooring, and the same wood, worked into building lumber and timbers, is preferred to any other for farm buildings and heavy construction. Impregnating with creosote oil by modern methods, which force the preservative to the innermost fibers of the wood, has provided in yellow pine so treated a material practically impervious to decay. In that form the southern wood has come to be accepted abroad as the most durable, and in the final accounting, the most economical, for farm buildings. In England, particularly, where rural building is largely done under blanket maintenance guarantee contracts, structural companies consume enormous quantities of creosoted Southern yellow pine for barns, stables, feed and hay sheds, granaries and what the English call "loose boxes" (box stalls), and "ranges" (groups of buildings).

### Old Trusty Poland Sale

T. E. Durbin of King City, Mo., had one of the greatest sales of the season. Trusty King, the state fair winner won the hearts of the breeders not alone as an individual but as a great breeder. The sale was conducted by Col. R. L. Harriman, Col. W. D. Gibson and Col. Louis Davis. A. M. Tipton of Milan, Mo., topped the sale at \$150. Bennett Bros., of Lee's Summit, Mo., got a daughter of Big Bob at \$130; these were the only yearlings in the offering. It was generally conceded that E. E. Carver & Son of Guilford, Mo., bought the best pig in the sale. He was sired by Trusty King. The buyers:

Number	Buyer	Price
1	A. M. Tipton, Milan, Mo.	\$150
2	Bennett Bros., Lee's Summit, Mo.	130
3	E. E. Carver & Son, Guilford, Mo.	45
4	Marion Miller, Stanberry, Mo.	40
5	Bridges Bros., Slater, Mo.	105
6	Wm. Selfer, Hempie, Mo.	90
7	W. W. Herd, St. Joe, Mo.	55
8	J. K. James, Island City, Mo.	140
9	Vantz Bros., Alb. Mo.	61
10	Jno. Belcher, Raymore, Mo.	60
11	Ott Bros., Helena, Mo.	28
12	O. Dennis, Chas. Burg, Ill.	35
13	W. B. Wallace, Barton, Mo.	65
14	Will Ott, Union Star, Mo.	65
15	O. L. Garrett, Rea, Mo.	57
16	T. E. Durbin, King City, Mo.	43
17	Wm. Kitchner, King City, Mo.	45
18	H. H. Callus, Pattonsburg, Mo.	26
19	E. G. Fisher, King City, Mo.	25
20	Fred Cook, King City, Mo.	36
21	R. C. Heeley, Amity, Mo.	36
22	Jno. McCall, Albany, Mo.	35
23	Evert McCall, Albany, Mo.	31
24	J. A. Danielson, King City, Mo.	32
25	Harry Workman, Union Star, Mo.	32
26	E. W. Mosley, Weatherby, Mo.	35
27	W. W. Head, St. Joseph, Mo.	25
28	Geo. Bushold, King City, Mo.	31
29	H. A. Crawford, Rea, Mo.	33
30	O. C. Brown, King City, Mo.	32
31	Wm. Ketchum, King City, Mo.	35

### TURN OVER TIME

#### When Nature Hints About the Food.

When there's no relish to food and all that one eats doesn't seem to do any good then is the time to make a turn-over in the diet, for that's Nature's way of dropping a hint that the food isn't the kind required.

"For a number of years I followed railroad work, much of it being office work of a trying nature. Meal times were our busiest; and eating too much and too quickly of food such as is commonly served in hotels and restaurants, together with the sedentary habits, were not long in giving me dyspepsia and stomach trouble which reduced my weight from 205 to 160 pounds.

"There was little relish in any food and none of it seemed to do me any good. It seemed the more I ate the poorer I got and was always hungry before another meal, no matter how much I had eaten.

"Then I commenced a trial of Grape-Nuts food, and was surprised how a small saucer of it would carry me along, strong and with satisfied appetite, until the next meal, with no sensations of hunger, weakness or distress as before.

"I have been following this diet now for several months and my improvement has been so great all the others in my family have taken up the use of Grape-Nuts with complete satisfaction and much improvement in health.

"Americans eat hurriedly, have lots of worry, thus hindering digestion and therefore need a food that is predigested and concentrated in nourishment."

"There's a Reason."

Name given by Postum Co., Battle Creek, Mich.

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

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The new catalog, illustrated in color, shows the famous "Chesterfield" series, the Studebaker Railroad grades, the Ladies' Dainty models and many others.

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SEND FOR THIS CATALOG. It's FREE—and it will tell you many things you ought to know before you invest in a watch.

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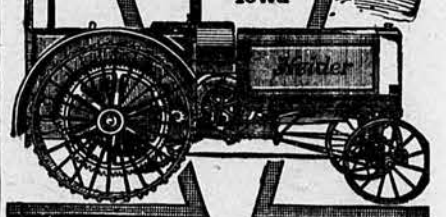
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## Capper Against War Boosters

Kansas, the Governor Says, Should Oppose Vigorously the Enormous Expenditures Proposed For "Preparedness"

IN several speeches, recently, Governor Capper has spoken decisively against the proposed "Billion Dollars for Preparedness" urged by the present administration at Washington. In an address at Kansas City, Kan., last week, the governor said, in part:

I have conscientiously tried to stand by the President of the United States in every position he has taken in regard to the European War and the Mexican Anarchy. This is no time for the honest citizen who has the least strain of patriotism in his make-up, to "play politics" or indulge in partisanship. With all Europe plunged in a mad debauchery of blood; with the whole world in a tense, strained, hysterical condition; with the possibility of one false move plunging us in the dreadful conflict—it behooves every man and woman to maintain an attitude of the strictest loyalty and supreme faith in those to whom are entrusted the destinies of our nation.

But, with all my loyalty—nay, because of my loyalty to my country, I cannot bring myself willingly to consent to the mad program of putting peaceful America on a military basis. It is, to my mind, worse than folly; it is an unspeakable crime, which, if it is accomplished may be expiated in human blood by our children and our children's children to untold generations. I cannot subscribe to any policy which will send our Kansas boys—your sons and brothers—to die in needless warfare in the wilds of Mexico or on the high seas. We need our boys at home more than we need military glory. My friends, it must not be! The sane people of this country, the patriotic people of this country, the Christian people of this country, must stand as a unit against it.

We know that Europe is bleeding to death.

Yet in this country wild and frenzied appeals are now being made to us to arm against these war-exhausted, war-weary, war-ruined nations. Arm for what?

Before war began in Europe we were spending 67 per cent of our national income on war, past and future. Germany was spending 55 per cent. France and England 35. Why are we so unprepared now?

In this mad hysteria for preparedness the West is keeping its head, but the nation as a whole—it cannot be denied—has lost its balance for the moment.

It is not my habit of mind or tongue to impugn the motives of any man. I thank God that by temperament I have an abiding faith in my fellows. My 50 years of life in contact with all sorts and conditions of men, have strengthened rather than weakened that faith. But it is apparent to me—and it seems to me that it should be apparent to every observer—that the clamor for a military policy comes from two sources, the weak, emotional alarmists, temperamentally hysterical, unsafe and a constant menace to their community and the nation and the professional fighters, men who glory in the glory of war, who have been longing all their lives for a taste of the real thing. And these professional butchers are backed by manufacturers who see hundreds of millions of dollars looming up ahead of them and whose fingers itch to get hold of them.

These men who are purposely, deliberately, systematically, cruelly and wickedly promoting this war hysteria in the United States for the fat contracts it will bring them, know they must strike now; they know if they give the American people time to think they will never commit themselves to the policy of militarism. So they are straining every nerve to compromise us while the war scare they have so adroitly worked up is at its height. If they succeed, if we let them hurry us into this death trap—nothing is surer than that we shall be involved in a bloody war sooner or later.

Are you prepared to pay the price in blood and tears and peace and progress that Europe is paying for a cycle of preparedness and one brief year of war?

I see only unending misfortune in this step. Let the United States arm itself to the teeth and straightway the rapidly growing republics of South America,

with their enormous natural resources and teeming populations, will take up arms in self-protection. They never have trusted us, never have understood us. If we begin it now, history will see the old-world blunder repeated in this hemisphere. We shall inevitably begin carrying a chip upon our shoulders; the bully that is inherent in so many natures will crop out, and will be the means of turning these nations into armed camps, just as occurred in Europe. Then a coalition against the dreaded and hated U. S. by these South American Latins will bring about the inevitable conflagration we now are seeing as a result of this policy in Europe. But long before this we shall lose their trade. They will fear to build up a dreaded and hated rival, by buying of him. This is what our proposed new policy of "preparedness" will lead to commercially on this side of the world.

I am not, and I know you are not, for the half-billion appropriation for preparedness which already is proposed at Washington. This entering wedge outdoes military Europe at the first stroke. It presents unending possibilities in "pork barrel" legislation, political jobbery and debauchery. It intensifies every national problem we are facing—tenfold. It means a crushing burden added to the already over-burdened wage-earner, producer and taxpayer.

I hope the people of Kansas will oppose vigorously the attempt of the eastern jingoes, the battleship builders and the ammunition manufacturers to stampede this country into a military program that prepares not for home defense, but for carrying war across the seas.

Consider what immense benefits we could get by expending even a part of this vast sum on public roads. The price of just one modern battleship would build at least three trunk line roads across the state of Kansas and hard-surface them to boot. For the price of two battleships, we could grid-iron Kansas from end to end with concrete or tarviated roadways. And good roads, it has been proved in this war, are a tremendous factor in the defense of any country. They are absolutely necessary for the handling of troops and artillery, as well as for the adequate movement of supplies and munitions. This is a kind of preparedness we might well undertake and could undertake without arousing the distrust or enmity of our friends and neighbors among nations, and without wasting our money. Then we should know no such thing as idle men in America.

I would not in the slightest degree lessen the dignity of the American flag, or lower the standing of our nation among the peoples of the world. But dignity and respect depend no more upon brute force among nations than among men. It is no longer necessary to be a bully in order to command respect or maintain dignity.

It is true that the lives of American citizens have been lost in the war zone of the Atlantic and the property of American citizens has been destroyed and confiscated by the battling mobs in Mexico. This we deplore. But no patriotic citizen has the moral right—whatever his technical, legal rights may be—to run the risk of involving an hundred million people in war, to gratify a personal whim, a passion for travel, or to make a few extra thousand dollars for himself. We may have the legal "right" to enter the war zone, but there are duties higher than that of maintaining our "rights." We sacrifice no dignity when we decline to exact the last pound of flesh. The patriot, in such times as this, will not court danger; he will not put himself in danger's path when by so doing he risks plunging his country into the horrors of war.

### Expert Help For Trappers

BY GEORGE J. THIESSEN.

George J. Thiessen, an authority on traps and trapping, will answer all questions on this subject through the columns of the Farmers Mail and Breeze, or personally, if 10 cents is sent to cover stenographer's fees, stationery and stamps. Mr. Thiessen is the author of nearly a dozen books on trapping. He

was a special writer for the "Fur News" magazine of New York City, formerly editor of one of the largest trapping publications in America, and at present is editor-in-chief of a similar department in "Rod & Gun."

Not more than five questions will be answered for any one reader each issue. Write plainly, giving full name and address. Be brief and clear with questions. Address all inquiries to Trapping Department, the Farmers Mail and Breeze.

Questions to be answered by letter direct must be marked "personal" and 10 cents enclosed.

### Share Rent Paid Better

Tenants and owners are making their rent plans for next year. The terms and conditions of the contract should be very carefully considered by both parties for a wrong agreement may mean a loss to both. Figures gathered on 669 farms in a farm management survey in northwest Missouri by O. R. Johnson of the Missouri Agricultural Experiment station show that the average tenant in the area surveyed made \$138 greater net income than the cash tenant, and that a share of the crop paid the land owner 1.3 per cent higher interest on his investment than was received by the owner who rented for cash. The total net income of the average tenant who rented all his land on share basis was \$548, the owner receiving 4.9 per cent. The cash renter made \$410 and paid a rent which turned the owner 3.6 per cent. The tenant who rented his crop land for a share and his grass land for cash made a net income of \$507 and the owner received 5.9 per cent on his investment.

The land owner is better able to bear all or part of the risk of flood or drouth than the average tenant. The

It was in a city that 1,200 hungry, shivering men were counted in the bread line, one night last winter. Farming may not be the best paid business in the world, but it never needs a bread line nor a free soup house to keep its workers from starving.

share rent plan throws part of the risk upon him, while the cash rent plan throws all of the risk upon the tenant if he is financially responsible. If not, the owner may lose part or all of his rent, but usually he takes no further risks.

Land continuously rented for cash is found to be more rapidly exhausted than the farm operated by the owner or rented for shares.

Cash crops must be relied upon much more exclusively by the amount and must pay a fixed cash rent as securing money for use in paying store bills. As the country grows older cash rent probably will become more prevalent and desirable.

### Short Course for Artisans

Blacksmiths, millwrights, automobile men, surveyors, road overseers, and county commissioners, as well as farmers will have a chance, this winter, to get at the agricultural college some practical work helpful in their occupations. Special short courses in traction engines, concrete construction, shop work, and road building have been announced for the ten weeks in which farm work is usually slack, from January 4 to March 15. Experts in the college will give to the students in the short courses a series of general lectures on such subjects as rural architecture, water supply, electricity, irrigation and drainage.

### Handicapped

Mrs. Coddling was having some new window fixtures put up in her house one day, and she stood near by watching the workman.

"Don't you think you have placed those fixtures too high?" she asked.

The workman was a stolid German, and, making no reply whatever, continued to adjust the fixtures.

"Didn't you hear my question?" demanded Mrs. Coddling. "How dare you be so rude?"

The German gulped convulsively, and then, in the most gentle of voices, replied:

"I haf my mouth full of screws, und I could not speak till I swallow some!"



## Big Ben At Home On the Farm

In your room, or son's, or beside the hired man's bed. It's all the same to Big Ben for he's right at home. He knows it's his business to be first one up and to wake the others in time for morning chores.

Leave it to him to rouse the heavy sleepers—men who work long hard days and sleep like logs at night.

He's at home on the farm and earns his keep the very first day, same as he's doing on thousands of farms.

If your dealer hasn't him, a money order addressed to his makers, Westclox, La Salle, Illinois, will bring him postpaid. \$2.50 in the States—in Canada, \$3.00. (292)

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for Kalamazoo 1916 stove and range catalog—get wholesale prices—cash or easy payments—80 days trial—year's test. We pay freight and ship within 24 hours. Write today. Ask for Catalog No. 341. Kalamazoo Stove Co., Ltd., Kalamazoo, Mich. Stoves, ranges, gas stoves, furnaces, metal kitchen cabinets and tables. 4 catalogues which you want.

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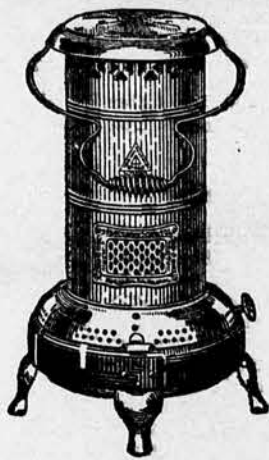
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Lot No. 57 AR-310. AJAX high grade, rubber surface roofing, put up 108 square feet to the roll, two to three pieces to a roll, complete with nails and cement. 3 ply, 94¢; 2 ply, 84¢; 1 ply, 74¢; 1/2 ply, 64¢.  
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Lot No. 57 AR-410. Galvanized roofing, full 26 gauge, heavy weight, 2 1/2 in. corrugated sheets, 4 ft. and 4 1/2 ft. long only. This material, in addition to being galvanized, will be painted free of charge. Price per square of 100 square feet.  
Lot No. 57 AR-910. Red and Green Slate Roofing, 108 sq. ft. to the roll, two to three pieces to the roll, complete with nails and cement, high grade covering, full weight and extra heavy. State color wanted. Per roll of 108 square feet.

All the above prices are f. o. b. cars Chicago, NOT freight prepaid.

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## How to Select Prize Corn

Pick Your Best Ears, Win the \$25 Capper Premium

BY JOHN F. CASE

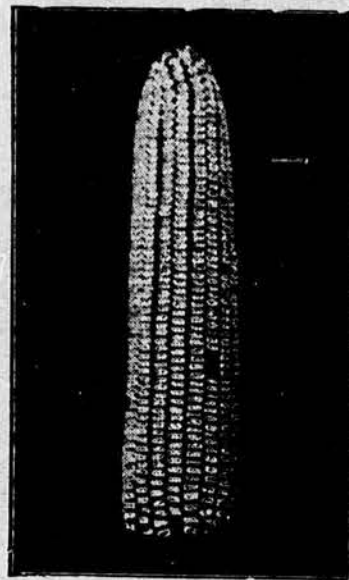
WELL-FILLED ear tips aren't the only thing to consider, boys, when you are selecting corn for the Capper contest, or any other corn show. Usually the novice in the corn show game chooses ears that have good tips and butts no matter how lacking they may be in other important essentials. Almost all the samples I handled while judging the Capper boys corn contest last year showed that the exhibitors had selected the ears because of their nicely filled tips and well-rounded butts instead of considering length, circumference, breed type and condition for seed. After all, the purpose of growing show corn is only to secure better seed corn. And to get an ear that will count when we are shelling for seed next spring we must have around 10 inches in length, not a nubbin of 8 inches or less.

Few standard varieties of corn grown in Kansas call for less than 10 inches in length or 7 1/2 inches in circumference. In selecting a 10 ear sample every effort should be made to have the entire sample uniform. Nothing displeases a judge more than to see a sample of corn varying in length and shape. It is an excellent plan to choose one ear coming as near standard requirements as you can find and use it as a model to select the remaining nine. The best shape for an ear of corn is as nearly cylindrical as possible. It should not be decidedly tapering but should carry the same thickness from butt to tip. Usually a tapering ear has shallow kernels toward the tip and a planter cannot drop them evenly.

The size of an ear of corn intended for exhibition is important, but that feature should not be over-emphasized. I have yet to see unusually large ears that were as good for seed as the standard size. Discard the ears that are overgrown because of weather conditions this year. Examine closely and you will see that every one has defects as a show specimen. Nor should the ears be small. The general rule is to select ears slightly above the medium in size and you will find by measuring ears of this kind that most of them come near the standard requirements.

The butt of your show ear should be well filled out with deep, regular kernels, compactly and evenly arranged about a cup-shaped cavity 1 inch in diameter. The stalk scar in most varieties should be about 3/4 of an inch. See that the butt is not coarse and wide. Well filled tips add much to the attractiveness of a show ear and if ears can be found that come up to other requirements and also have tips filled near or over the end they will come mighty near winning the money. But it is better to have an ear of good size and length, properly proportioned and bearing deep kernels well out to the end than a short, completely tipped one.

Corn for exhibition should be in good market condition. That means that it must be well matured. Samples in the contest last year had cobs so "sappy" that one could twist the ear in pieces. See that your show ears are solid and



A Champion Ear That Sold for \$50.

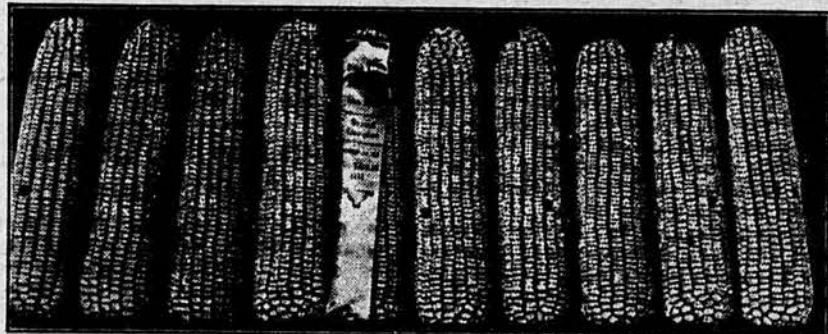
compact, with little space between the rows of kernels. Wide furrows usually mean shallow kernels. Then, too, the cob should not be too coarse nor too fine but almost invariably the ear having a medium sized cob will produce deep kernels showing strong vitality. Large, coarse cobs naturally contain more moisture, the ears dry slowly and the germ may be damaged by freezing. It is possible to get kernels too long and cobs too slim, but as a rule the medium sized cob bearing compact, wedge shaped kernels is the one to select. Kernels should be wedge shaped but not pointed. The length should be about 1 1/2 times the kernel's width at its widest part and it should be of uniform thickness.

It is allowable to remove two kernels from an ear intended for exhibition in order to determine character of germ, size of cob and shape and size of kernels. These kernels should be taken from the same side of the ear. The germ is very important and it should be examined carefully. It should be large, extending well over the surface of the kernel and when broken or cut open should present a bright, oily appearance.

The ears of a sample of corn should be free from injury, smutted kernels and decayed or dead spots. An ear having 1/4 of the kernels dead is considered a dead ear and two dead ears bar the sample. Kernels should be free from a mixture of colors. Mixture in yellow corn is indicated on the caps of kernels and on white corn on the kernel sides. Mixed kernels will disqualify your entry and unless your corn is from pure-bred seed it has no chance to win. Be sure that the cob in each ear of your sample is the proper color, for an off-colored cob also bars the entire sample. In yellow corn the cob should be deep red, in white corn, white. Possibly a few Kansas boys are growing St. Charles County white which is distinguished by having a blood red cob. Intermediate or pink cobs in red cob varieties indicate a lack of purity.

The medium rough types usually are best. Ears that are fairly rough usually have a large circumference in proportion to length, small space between rows, and a deep grain. If your corn conforms to breed type though, the judge is not likely to dwell long on the indentation, but in selecting the samples see that like every other particular the indentation is uniform.

After all, boys, bear in mind that in selecting corn for exhibition you should be guided by the principles laid down in choosing good seed. No matter how fine an ear of corn may appear, nor how perfect it may be according to show standards, if it will not grow it should be thrown in the feeding crib. If you planted good seed, though, and the ears have grown on vigorous stalks you will find few ears that will not show strong germs. Twisting rows, flat or crooked ears, dropped rows and depressions on the ear are to be discriminated against. There should be not less than 16 nor more than 22 rows of kernels to the ear.



Notice the Uniformity of Ears in This Sample. All Standard Length With Straight Rows and Good Butts and Tips.



### Sport That Doesn't Pay

A Kansas farmer had a flock of 15 quails on his farm. One day he went to town, and as he bought his groceries he said to the merchant, "Come out some day next week. I've a bunch of quail saved up for you." And the storekeeper went with dog and gun. As the day closed, the merchant genially bade Mr. Farmer good-day, and the 15 quail lay lifeless in his automobile. The farmer, warm-hearted, friendly and neighborly, didn't realize the tragedy of it, or that he had robbed himself of the worth of a good horse just to show his good will. The merchant would not have tolerated for a moment any desire to injure this friend of his, but neither had he figured the cost. He saw only in anticipation the pleasure he would have in presenting to his wife the toothsome morsels.

Now let's go over to the ice-box and take out a few facts we have laid up. Every one of these 15 quail had been picking up and destroying an average of 20 bugs, worms and insects a day. That would be 300 a day, and a little in excess of 2,000 a week, or about 10,000 a month. You can carry this along proportionately, as long as the supply of bugs and insects continues. And that is the cost of the pleasant time Mr. Farmer gave to Mr. Merchant.

What about the next season for this farmer? Suppose he had conserved and cared for this flock of quail, and in turn each pair should raise a brood next year; how many insects and pests would all the birds together have relieved him of?

But he didn't conserve them. He still has a good supply of insect pests left over, however. They multiply a thousand times more rapidly than the birds do, and this farmer positively deserves no pity whatever when the pests swarm upon his fields and trees, and actually

ning seven days after freshening is 27.2 pounds of butterfat from 651 pounds of milk. Her sire is Sir Hengerveld De Kol Abbeckerk 58779; her dam is Netherland America De Kol 99460. She was bred by Merriitt Wilcox, Moravia, New York; and she is now owned by Oliver Cabana Jr., Elma Center, New York. In the junior 4-year class of the eight months division she displaces Maple Crest Pontiac Girl 143952, whose record begun 353 days from freshening is 17.17 pounds of butterfat from 408.3 pounds of milk.

### Books Received

A lively new story of business life is "The Business Adventures of Billy Thomas," by Elmer E. Ferris. Billy Thomas is a thoroughly likable young man and his efforts to make good are entertaining reading. He makes his start as a traveling salesman and helps a discouraged country merchant put new life into his business. Incidentally, Billy marries the merchant's daughter, but all this is only the beginning of the story. "The Business Adventures of Billy Thomas" is published by the MacMillan Company, 64-66 Fifth Avenue, New York.

"Happy Hollow Farm," by William R. Lighton, tells the author's own experience in moving from the city to an abandoned farm. The farm was bought to furnish the proper setting for a home Mr. and Mrs. Lighton had been planning for several years, but under wise management it proved to be a paying business proposition also. The book is written in an easy, entertaining style that makes enjoyable reading. "Happy Hollow Farm" is published by the George H. Doran Company, 38 West 32nd Street, New York.

"Blue Gingham Folks," by Dorothy Donnell Calhoun, is a little collection of

### Capper Prize, \$25 for Boys

IF YOU ARE a Kansas boy between 10 and 18 years old, and grew an acre or more of corn, you cannot afford not to enter a 10 ear sample of your corn in the Capper Boys' Corn Show. The first prize is \$25, second and third prizes are bronze medals, and the next 10 samples will win honor diplomas signed by Mr. Capper. This show will be held in the Capper Building, Eighth and Jackson Streets, Topeka, Kan., December 11, 1915.

Pack 10 ears of corn carefully, being sure that your name and address is written plainly on the outside of the package, and send it to the Secretary, Capper Corn Show, the Farmers Mail and Breeze, Topeka, Kan., not earlier than November 25, nor later than December 2. After the show your corn is yours to do with as you please.

destroy his crop. No one is so much to blame as he. But he is not the only farmer blind to his best interests. Millions of dollars' worth of grain and fruit are ruined yearly by insects and bugs. It is the natural result brought upon our own heads by carelessness and profligacy. The revenue from the products wasted in this way in the United States in a few years would be sufficient to make comfortably independent every inhabitant. On the other hand we know that if bird life were extinct, in five years nothing green would remain. Uncomfortable to think about, isn't it?

If we are to realize the peril, it is our duty to adopt stringent regulations for all bird life. We do not need less law; perhaps we need more. Also we need education both of the farmer and the shooters, so they may realize the importance of the vast damage resulting from the killing of the birds and game, and so that restraint may be exercised not so much because of the act upon our statutes, as because of the real peril to be shunned. Let every farmer in Kansas constitute himself a game warden on his own land, and if some miscreant shoots your quails, or prairie chickens, or your birds of any kind, sue him for the damage he unquestionably causes to your crop with every bird he kills.

Liberal, Kan. G. M. Glenn.

### How's This For Creamy Milk?

A new record has been established for butterfat production in the junior 4-year class, in the division covering tests begun not less than 240 days from freshening. The cow Milanhurst America De Kol 143441 produced 22.6 pounds of butterfat from 467 pounds of milk in seven consecutive days. She freshened when 4 years, 2 months, 9 days old, and began her test 279 days from freshening. Her record made on a test begin-

stories about real persons, the everyday kind of folks who live and work and love in a simple, homely way everyone understands. All the characters are lovable from Miss Abby Bliss, the little seamstress who longed to make some-

The packers say they do not know where the wide difference goes that is due to the low price paid the cattle producer and the high price paid to the meat dealer, but their profits of 37 per cent last year show where some of it went. An investigation by the Trade Commission might show something interesting about hog prices in October.

thing pretty and pink instead of spending her days on brown calico, to Euphrasia Tibbitts whose sudden rebellion against her husband's "closeness" made a bonfire of the wornout parlor furniture and awakened affection that had been asleep for 30 years. "Blue Gingham Folks" is published by the Abingdon Press, 150 Fifth Avenue, New York. The price is 75 cents.

### Some Menagerie

"It's funny, isn't it, that everybody in our family's some kind of an animal?"

"Some kind of an animal, Bobby? What do you mean?"

"Well, mother's a dear, you know."

"Yes, certainly."

"And my baby sister is mother's little lamb, and I'm the kid, and dad's the goat."—Kellogg's Square Dealer.

Why not turn the navy over to Brother Ford? In six months he would be turning out a battleship every forty-nine seconds.—Life.

## Heat all rooms with one fire



Heat your house all over—not in "spots" like this one.

Why not have safe, pleasant warmth distributed evenly all over your house, day and night, all winter long? Every year you do without radiator heating you are losing money, for over one-half of your house isn't used, because it is so chilly. You might as well cultivate only 10 of your 40 acres of corn—you get an income from the corn, so you work the full forty. You can get a fine "happy family" income from an all-over, evenly-heated house by putting in an outfit of

## AMERICAN & IDEAL RADIATORS & BOILERS

freezing days; filling the entire home with June-like heat. The family health will be better and the doctor's bills won't eat into your bank account.

Your wife will have the use of all the rooms; your children will be happier; no ash-dust, coal-gas, or dirt; and the fuel money you will save will astonish you beyond the big results obtained. No more trouble to run the IDEAL-AMERICAN outfit, warming the whole house, than it is to lug coal and ashes for one stove which heats only one room with unhealthy "spotted" heat.

Make up your mind to look into the heating proposition at once. Call up the nearest local dealer and get an estimate for heating your house with an IDEAL Boiler and AMERICAN Radiators. It is not necessary to have running water or live near water mains, for the water in the boiler and piping is used over and over again. It is not even necessary to have a basement for the IDEAL Boiler may be placed in a side room or "lean-to" and will deliver the heat to the radiators just as you want it.

IDEAL Boilers burn the cheaper local fuels. You have no trouble to get splendid results from soft coal, screenings, lignite, wood, pea coal, oil, or gas, and putting in the outfit will boost the value of your property. You will have a lifetime of good service from the outfit without any necessity of repairs or overhauls, no annual blackening, stoking, etc.

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A No. 020 IDEAL Boiler and 262 ft. of 38-in. AMERICAN Radiators, costing the owner \$185, were used to heat this farm house, at which price the goods can be bought of any reputable, competent fitter. This did not include cost of labor, pipe, valves, freight, etc., which vary according to climatic and other conditions.

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## Where Rural Roads are Good

### California Has Begun a Mighty Work of Construction

BY FRANCIS MARSHALL ELLIOTT

CALIFORNIA is building roads not only for today but for generations to come. After all sorts of heart-breaking experiences with every imaginable material and construction, under every kind of misdirection, the question of good roads went into the campaign of 1908 as one of the big issues. Town and country joined hands and hearts in a demand for state highway construction. The result of this campaign was the election of public officials pledged to the good roads program. Commissions to investigate various methods of construction and plan a uniform system of permanent state highways were appointed.

The state legislature met in 1909, received the reports of the various commissions previously appointed, and got down to business with promptness.

The first move was to create the California highway commission by providing for three commissioners to be appointed by the governor. These three highway commissioners were to constitute an executive committee of the state department of engineering, already in existence, and one of the most valuable and efficient departments of the state government. The state department of engineering is composed of an advisory board of seven members including the governor, state superintendent of hospitals, president of the state board of harbor commissioners, the state engineer and the three members of the highway commission. A salary of \$3,600 a year was provided for each of the three members of the state highway commission. It is under the direct control and supervision of these three commissioners that California is expending millions of dollars annually upon the most superb and permanent system of public highways constructed since the days of the Roman Empire.

But the legislature of 1909 did not cease its labors for good roads with the creating of a state highway commission and providing the salaries therefor. It passed a referendum act providing for a state good roads bond issue of 18 million dollars and submitted the question to the people for approval in the general election of 1910. By an overwhelming vote the people ratified the action of the legislature.

Since 1910 bonds to the value of 16½ million dollars have been sold and the proceeds either expended for construction purposes or put in the state treasury subject to the demands of the commission. The following tabulation will indicate the work done up to October 1, 1915:

Oiled Concrete (8-inch concrete pavement with thin bituminous wearing surface) 800 miles at \$9,920 a mile.

Asphalt on Concrete (8-inch concrete pavement with 3-inch asphalt cushion or top dressing) 20 miles at \$18,500 a mile.

Oil macadam, 19 miles at \$6,850 a mile. Asphalt on macadam, 16 miles at \$14,900 a mile.

Water bound macadam, 12.9 miles at \$10,950 a mile.

Graded and under construction, 305



miles at \$8,970 a mile.

The state highway commission has therefore constructed, in the last five years, or has now in course of construction a total of 1175 miles of permanent concrete public highway at an average cost of \$11,681 a mile. The counties through which the state highway passes build all bridges and culverts at county expense and under supervision of the state highway commission.

The major portion of this gigantic work of construction has been done by private contractors under competitive bidding, and under the specifications, supervision and inspection of the state department of engineering. The act creating the state highway commission authorizes that body to perform the work of construction under its control,

directly, and by day labor, if preferable to having the work done by private contractors, and some sections of the great state highways have been so constructed. The legislature of 1915 also authorized the use of convict labor in state road construction but it is unlikely that this will be done to any extent during the prevalence of unemployment among the free workers of the state who need the employment and the wages it represents.

All of this great work has so far been accomplished by the state with no hint of scandal or the slightest irregularity in management. California now has several million dollars of "Good Roads" money in the treasury and a million and a half dollars of the original 18 million dollar bond issue remains to be sold. Already it is an accepted fact throughout the state that the next state legislature will authorize another good roads bond issue of 15 million dollars and there will be no opposition to this legislation. Wouldn't that proposal shock a conservative Kansas voter cold and stiff? It certainly would.

The people of California are satisfied that they have made no mistake. They reach this conclusion from various points of view. In arriving at a policy of permanent road building by the state the people made certain observations. Every voter held a seance with himself and he whispered something like this in his own ear.

"In California are several thousand miles of steam and electric railroads, roads bonded for from \$50,000 to \$150,000 a mile and they are stocked for an equal or greater amount. If we, the people, can build a system of permanent concrete highways at an approximate cost of \$12,000 a mile, over which we can reach our local markets via the motor truck and the automobile, without cost, we can cut out the local freight and passenger graft, and the private transportation companies can go hang! We will get into the bond and transportation game on our own account. We shall save the interest on our good roads bonds every year in several directions: We should worry!"

Mr. Elliott will have another article in the Farmers Mail and Breeze, in an early issue, on the subject of good roads and good bridges.

### Can You Trap Mink?

Mink are not strictly water animals but they follow water courses as guides in Kansas. Therefore, along creeks will be found the most successful course in which to set traps. There is a good profit in trapping for mink, and since they are a great enemy of the farmer, he in particular should desire to get rid of the "king of the chicken killers."

Mink are fond of such bait as fish, rabbit, squirrel, birds, mice and rats. They will eat the carcass of muskrat, but the other meats are best. Mink are not large, but quite strong. Some have used the number "0" trap with success, but trappers state that the number "1" is the best all around trap, according to E. W. Gage in the Michigan Farmer. As a certain scent will attract mink, it is best to use a number of different types of traps, such as steel traps, both bait and blind sets, as well as deadfalls.

The trapping season for mink opens about December 1, and continues until winter opens to spring weather.

After the trapper has become accustomed to the traits of mink, they are easy to trap. If you should find where a mink has left his burrow do not take the trap away, for he will return in a few days. When finding a place where the mink has laid up for a rest, do not trap on the trail he has already traveled, for when he comes out he will be sure to go straight on just as if his journey had not been interrupted; so set the traps and bait accordingly and when he comes out he will be very hungry and bite your bait.

Minks are not so original as some animals. They are in the habit of traveling the same courses day after day, as between two swamps, and thus they make a well-defined runway through the snow or grass. This makes it easy for the trapper in snowy weather. In swimming from one side of a stream to another, they are sure to land in the identical spot each time, which makes it easy to catch them on landing.

Minks are able to scent iron traps. The traps should be boiled in ashes, and kept clean and dry. For shy animals never use bait of any kind, but set the traps where they are sure to go. The places where mink are sure to go are into holes, dens, hollow stumps and logs, and to make a success the traps should be set at all these places. The most successful trappers have covered the traps with feathers. The mink, seeing these and scenting what he supposes is a weasel, will dig them up. He is trapped before he is aware of the presence of an enemy.

When you see signs of mink set the traps as near the water's edge as possible. Make a steep bank a foot or more high. Here dig a hole in the bank 6 to 8 inches deep, and low enough to let the water flow in. Get a forked stick, cut off one fork about 1 inch long, the other 6 to 8 inches long. Sharpen the end of the long fork and run it through the bait, which is fresh, up to the fork. The bait is now fastened on the stick which is run into the bank as far back in the hole as possible.

The first mink to come along will be sure to find it. Therefore, set the trap near the entrance, but always in the current of the water. Take weeds or sticks, say a foot in length, and stick these in the mud, making a fenced lane so that the mink will be obliged to pass over the trap in order to get the bait. This is an old trick in trapping mink. It was first instituted by the Indians, and it has caught more mink than most of the other common trap-tricks with mink.

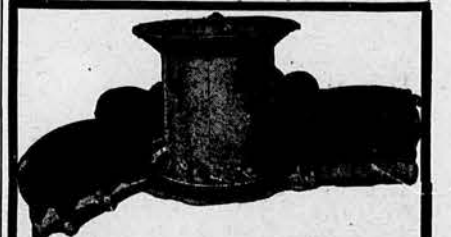
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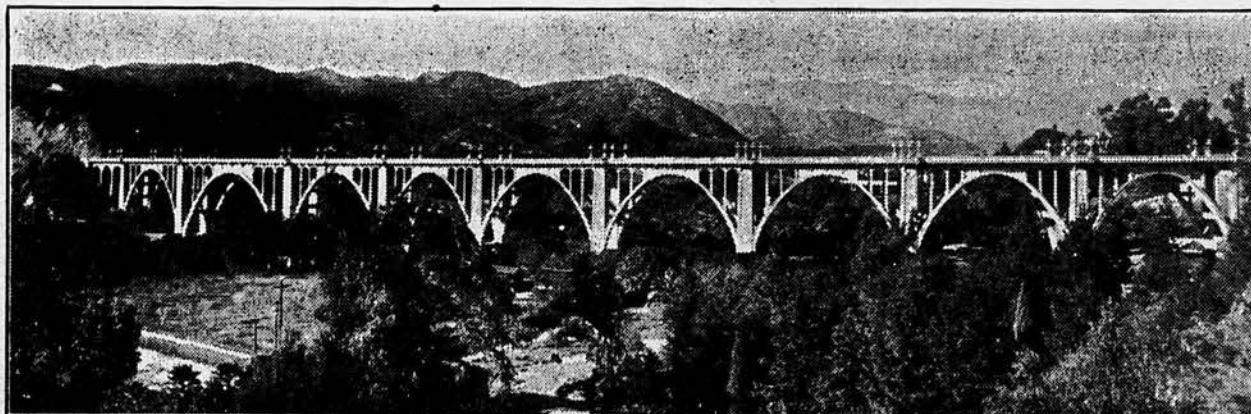
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## Still Too Wet for Plowing

But No Finer Autumn Days Have Been Seen at Jayhawker Farm

BY HARLEY HATCH

THE man who wanted to put in full time at farm work during the last week could not lay any blame to the weather if he did not. I never saw a finer brand; not too warm and not too cool, with scarcely breeze enough to turn the windmill. Cattle are still out on pasture and are getting at least part of their living.



The first of this week we gave our west hillside another trial with the plow and found it still too wet. Water was standing in that part which raised the best corn during the four dry years. It was all right to have that area of moist ground when all else was drying up but just now the moisture business is a little overdone there. Today, October 30, it looks as if it would be another week before that particular spot was dry enough to plow.

Since Tuesday morning we have been keeping one plow going on the 17 acre oat stubble which was matured this fall. It is very hard plowing; in 20 years we have not seen the ground plow so hard as it does now. The continuous pelting of nearly 8 feet of water which has fallen here this year has made land as hard as the road. This field is covered with a growth of crabgrass which sprang up after the oats were cut and it is literally as thick as the traditional "hair on a dog's back." We plowed one day with the gang plow and then gave that over to take up the single sulky which cuts a 16-inch furrow. Even that is load enough. Really I think that an old fashioned moldboard breaker would work best on this field; the sod is almost as tough as the original prairie.

The car of potatoes ordered by the Grange came this week. They were early Ohios and were well ripened and ought to keep until next spring in good condition. We all had the choice of taking them loose for 56 cents or sacked for 60; almost 600 bushels were ordered loose and only 60 bushels sacked. Local merchants were asking 75 cents a bushel for the same quality potatoes off the car. A big profit for them, you may say! Well, I am not so sure of that. Probably at that figure they make a legitimate profit and all will agree that they are entitled to that. The reason they make no more on a 19-cent margin might be disclosed if we could get a glimpse at their books. When a small town merchant is carrying all the way from \$2,000 to \$4,000 on his books with perhaps 20 per cent of that not collectable one can see why margins are so large. Many merchants are tremendously imposed upon in this matter of credit; of course, it is their fault if they extend credit to fellows who never intend to pay but it is a fault most merchants have so I conclude that it is not easy to dodge the deadbeats.

I attended another public sale this week. The usual lot of junk farm machinery was offered for sale and was sold by the single piece. It really should have been sold by the acre; in that way less time would have been taken up and the stuff probably would have brought as much money. This particular farmer had been "carrying on," as the New Englanders say, some 400 acres of land and we should judge that he picked up his stock of farming tools at just such sales as the one he was making. Many an outfit of farm machinery is the result of diligent attendance at public sales and buying the stuff that sells for the least money. If a man does not care what he works with he can now pick up a corn raising outfit at almost any sale for about \$5.50. A lister with half an inch of rust on it will cost \$1, a cultivator, new in Cleveland's administration, will be \$1.50 more, while a planter of the vintage of 1888 can easily be had for \$3.

The cows, 12 or 14 in number, were on the bill as "extra good milk cows." It seems the fashion to bill every cow as "extra good" which of course, fools no one. As a matter of fact, there probably

are not half a dozen extra good milk cows in the township if there are any at all. When I say this I mean "extra good" such as would pass in a dairy country. The cows sold at the sale were common farm cows which had been milked. They brought the average price paid around here this fall of \$80. Phonographs seem to be going out of fashion; a good machine with 30 records brought but \$6.25. Motor cars are in demand now and phonographs are out of date.

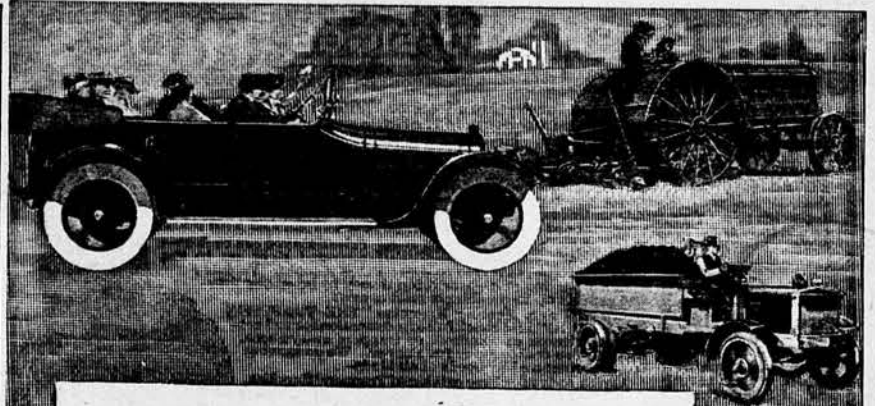
Every issue of our local paper records two or three accidents caused by corn binders. A certain make has exposed cogs and near these cogs grass and corn are liable to catch. In an endeavor to paw this away the operator gets his fingers too near the rapidly whirling cogs and mangled fingers are the result. One local doctor dressed three sets of mangled fingers in one day recently, as a result of this kind of an accident. Either corn binder operators should cease trying to clear away trash by hand or else the makers of the machines should cover the moving parts so no accident could happen.

How far is a man justified in protecting such growing property as fruit and melons? From time immemorial boys have claimed the privilege of helping themselves to the products of orchards and melon patches without paying the usual penalty for theft and most men, remembering the time when they were boys, have been content to let it go that way. But last week a boy in a Vermont town who was caught helping himself to grapes was shot by the owner of the fruit with a double barreled gun loaded with dried peas. I suppose the gunman had no thought of doing more than severely touching up the boy but what he really did was to put out both the poor fellow's eyes. No doubt the man who shot feels keen remorse over his deed but remorse will not bring back eye sight.

Regarding the recent assault on the hog market by the packers during which prices were dropped \$1.25 in two days, a friend from Spring Hill, Kan., writes to inquire what we think about hog prices and further asks what we expect to get a bushel for the old corn we are feeding to hogs. We don't think the Farmers Mail and Breeze would care to print what we think about the recent course of the market. As to what we expect to get for our old corn, we will say that about 60 cents seems likely to cover it if the market continues along as it has during the past week. When we consider that this corn could have been sold at the crib for 75 cents a bushel at one time this summer it can be seen how much we have made by following the advice of the packers' Chicago organ to "finish all livestock before sending to market."

Even if there were justification for lower hog prices there was no justification for such an assault on prices in the space of two days. The loss suffered by shippers averaged around \$225 a car. Of course we must acknowledge the power of the packers to fix prices but even at that they might have used a little sense and have spread the reduction over 10 days or so, thus giving shippers a chance to get out from under a little more easily. It was a case of manipulation pure and simple, however. By tearing down the market the way they did the packers made money, of course. That was why they did it. But it is taking a fine way to make friends among growers and shippers and to build up the livestock market. It seems that farmers can no longer produce enough of anything to supply the market but that they must suffer the penalty of such price raids. It begins to look as if we must cut down production to a point where it will not equal demand or take the consequences.

The earth under the chicken coops soon gets foul. Move them about.



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A farm has no repair shop next door. A break-down means a long trip to town and perhaps a delay of several days in the busiest season.

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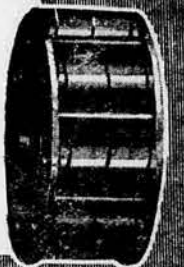
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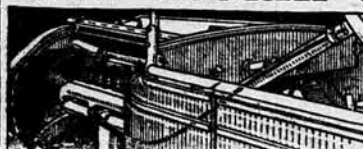
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Right assortments and right treatment mean more money than high quotations, wrong assortments and misleading statements. We make prompt returns and charge no commission. Try us.

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We actually save you fully 50% when you ship us a cow or horse hide to be made up into a coat or robe. We are the tanners who protect you against poor work or loss of hides from any cause by our Hide Insurance Certificate. Write today for free catalog, giving prices and all information. Address

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## Laws You Ought to Know

### County Aid For Fairs; Taxes, and the Feed Stuffs Act

BY C. D. YETTER

COUNTY commissioners are required to assist fair associations in their counties which have held two fairs in succession by paying an amount from the county funds equal to one half of the amount of premiums paid by such association provided the amount paid by the county is not in excess of certain specified amounts according to the population of the county.

County treasurers are to make a written statement of the personal and real property tax of any person requesting it, provided the request is made in writing, and gives a correct description of the real estate, and the city or township where the personal property is located. They are prohibited from making a charge for notifying any person of the amount of his taxes, and they may receive a check or draft by mail for the payment of such taxes. If the check is not paid on presentation, they may cancel the receipt issued for such payment on their books, and the receipt then becomes void.

In counties where the office of the county surveyor is not kept open each day of the week the records of that office are to be kept in the office of the register of deeds for the convenience of the public. The register of deeds is held responsible on his official bond for the safety of these records.

When a deed is to be recorded the register of deeds is required to see that it has been entered on the transfer rec-

mentioned in the foregoing exceptions must pay to the director of the Agricultural Experiment station at the agricultural college an annual registration fee of \$8 for each brand sold, and if manufactured at more plants than one, a separate registration fee must be paid for each brand made at each plant. Flour mills having a capacity of more than 300 barrels of flour each 24 hours must pay \$10 for the registration of each brand; mills of 50 barrels or less capacity are required to pay \$3 for each brand.

### Chops and Corn Bran.

The registration fee on chops and corn bran is based on annual output, and where this is not more than 50 tons the fee is \$1; more than 50 tons and not more than 200 tons, \$2; more than 200 tons and not more than 500 tons, \$5. Where the annual fee is less than \$8, a sworn statement of the amount manufactured in the previous year is required. It is to be understood that the fiscal year is considered to close June 30.

### As to Brands.

All commercial feeding stuff sold in this state must bear a tag or label in plain view and printed in the English language, giving the name and address of the person or firm responsible for placing such feed on the market; the minimum net weight of the contents of the package; the name, brand or trade mark of the feeding stuff contained in such package; the minimum per cent of crude protein, minimum per cent of crude fat, maximum per cent of crude fiber and the specific name of each ingredient used in its manufacture.

When any poultry foods or the by-products of factories mentioned as those carrying a tonnage tax are sold in bulk or package the person or firm selling the same is required to deliver a tax tag or stamp showing the payment of the tax, and, if requested to do so a card giving the information in regard to the manufacturer's name and the contents of package.

All other feeds must be registered annually with the director of the Agricultural Experiment station of the agricultural college. A certified copy of the statement as to name, brand, contents and so on must be sent, and when the director so requests, a sample of not less than one pound, with an affidavit that the same is a representative sample. The word "brand" includes the trade mark or name under which the commercial feeding stuff is sold, and also the feed itself. Registration may be refused if the brand is misleading or deceptive or if all the ingredients are not found to be as stated.

A penalty is provided where the contents are improperly stated, or matter of little or no feeding value, or substances injurious to stock or poultry are added.

Only the important features of this law can be touched on in an article of this kind, but complete details may be had by addressing the director of the Agricultural Experiment station, feed control section at the Kansas State Agricultural college, Manhattan.

### Too Late

A booking agent for a Chautauqua bureau visited a small town in the Middle West. He called on a man who said that in order to introduce a Chautauqua it would be necessary to see the most prominent man in town. Together they called on the "first citizen," and the booking agent was introduced.

"Mr. Jones," said he, "I called to see you in regard to a Chautauqua."

"It won't do a bit of good," spoke up the prominent citizen. "My wife and I have looked over all the catalogs carefully and have already decided on another machine."

### What Did Pa Say Then?

Willie—Pa!  
Pa—Yes?  
Willie—Teacher says we're here to help others.  
Pa—Of course we are.  
Willie—Well, what are the others here for?

ord, and the county clerk receives 10 cents for the benefit of the county for each transfer of land, and 5 cents for each transfer of each town lot, the person having the transfer made to pay this amount.

### Commercial Feed Stuffs.

The apparent purpose of the Kansas commercial feeding stuffs law is to let the consumer know what he is buying, to act as a check on the adulterating of stock and poultry foods, and to protect manufacturers and dealers in the use of their brands.

The requirements for handling these commercial feeds may be divided into three sections: feeds exempt; feeds subject to a tonnage tax, and feeds requiring an annual registration fee. Feeds exempt from inspection and registration are whole seeds and grains; whole hays, straws, cottonseed hulls and corn stover when unmixing with other materials and all other materials containing 60 per cent or more of water.

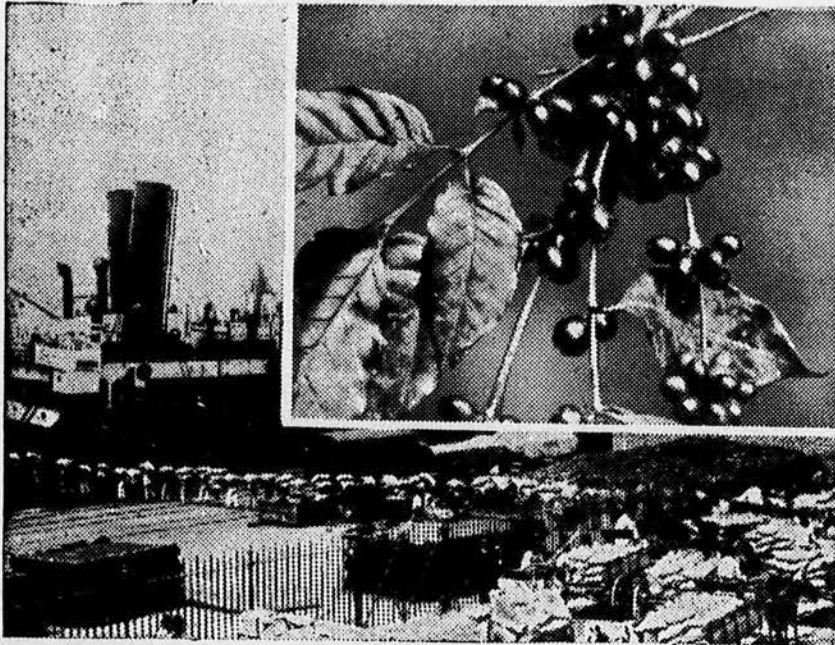
Feeds requiring a tonnage tax and inspection fee are any poultry foods, or feeding stuffs which are the by-products of starch factories, glucose factories, cereal breakfast food factories, breweries or distilleries, meat packing establishments or slaughter houses. No registration fee is required for this class, but the person or firm responsible for placing them on the market must apply to the director of the Agricultural Experiment station of the Kansas State Agricultural college for sufficient tax tags, or stamps, to protect each lot or package sold, each order for stamps or tags to be not less in amount than \$5.

Manufacturers or dealers in all other brands of commercial feeding stuff not



# This is Where Your Coffee Comes From

BY FRANK G. CARPENTER.  
(Copyright by F. G. Carpenter)



SANTOS, Brazil. — Everything in Santos is coffee. The town is built upon coffee beans and the fortunes of its citizens rise and fall with the prices of coffee. The people here talk nothing else and as they talk they drink. They drink so much of this beverage that they grow sallow and the muscles of their faces twitch continuously. When one of them sits in a chair, resting his toes on the floor, his knees bob up and down with nervousness and his whole system seems afflicted with St. Vitus dance.

Upon many of the steamers the coffee was being carried on the backs of men. They took the bags from the warehouses, carried them to the decks of the steamers and dropped them into holds. In this process a dark stream of porters flows from the wharves to the steamer. The men go on the trot, each loaded with a bag of 132 pounds. Some of them carry the bags on their shoulders, leaning them against the back of the head; others raise them to the crown of the head holding the ends of the bags with the hands as they run up the boardwalk to the deck. The men are brawny and full-chested. They have necks like that of a bull, the muscles of which have been turned to iron by the enormous weights which from boyhood they have been accustomed to carry on their heads.

Many of the steamers are now loaded with endless belts like those upon which wheat is carried from place to place in our great elevators. These belts run upon carriers which begin in the basement of the great coffee warehouse and wind their way under the floor until they reach the wharves. Here they rise and travel overhead and empty their loads into the holds of the steamers. The bags are dropped on to the belts and are not touched again until they are packed in the holds. As they move along through the air they seem to be fairly alive. They look like gigantic mice or seals crawling along.

Leaving the wharves, I went into the warehouses. There are more than a score running for a mile or so along the docks. They cover acres and are packed from floor to roof. The bags are laid up like cordwood, and a warehouse may be a solid mass of these bags of coffee. In one of the warehouses the men were loading. Great, lusty fellows, they were. Their muscles were like those of prize-fighters and all were broad shouldered and thick necked. I took out my watch and counted their speed. They dropped the bags on the chute at the rate of one every second. At every time my watch ticked 132 pounds of coffee fell upon the traveling belt, and started on its way to the hold of the steamer. The hourly stream measured a little less than 8,000 pounds and every 12 hours 100,000 pounds of coffee were loaded by each of the belts.

This work begins in July and keeps

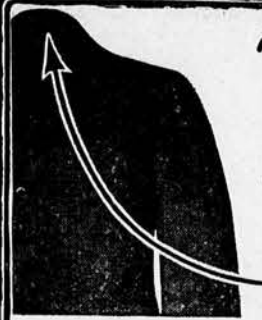
on for months. At times more than 50 million pounds are loaded in a single day, enough to give every man, woman and child in the United States one-half pound and leave some to spare. At the same time more Brazilian coffee is being loaded at Rio de Janeiro and at Bahia and elsewhere. The total crop of the country is two-thirds that of the whole world. In some years it has amounted to 20 million bags and of this 15 million have come from Santos alone. In 1913 the crop was more than 13 million bags, and its value was over 200 million dollars.

Of the coffee crop of Brazil more than half is sold to the United States, and that at a cost of about 76 million dollars. We take approximately three-quarters of a billion pounds of this coffee every year, and should we stop drinking it, the people would have a panic and millions of them would be on the edge of starvation. Our annual coffee imports are more than 1 billion pounds, or more than 50 pounds for every one of our families. In other words we use a pound of coffee a week to every family in the United States.

The coffee from most of the estates comes here in beans of different sizes and shapes. Some are good and some bad, but they are all mixed together. Before they can be exported they have to go through separators and graders. There are a number of such institutions in Santos, and two of the largest are owned by an American, Mr. Lawrence. It was with the owner that I went through them. The mills are much like a great flouring mill. The coffee is carried to the top of the building, and it falls by gravity through the various machines. The mill is run by electricity, and the machinery is such that the dirt is taken out and the beans graded according to their size and character. The grading is exact, and out of the same sack will come Mocha and Java and almost every variety of coffee under the sun. Indeed, the most of the Mocha coffee we use has never seen Arabia, and almost every bit of our Java coffee is grown in Brazil.

During my stay here I have visited some of the great houses that send coffee to the United States. The care taken is wonderful. Every shipment, whether it be of a thousand bags or 50,000, is sampled and tested. The coffee is graded according to quality and this is tested by sight, feel and taste. Coffee-tasting is a profession and there are men here in Santos who do nothing else. Every shipment is carefully sampled and the sample is roasted and tasted. The result gives the grade and this is sent with the shipment to the United States, forming the basis of the price of the coffee and as to how it shall be sold.

Let the cows take their own time to and from the pasture.



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When writing to advertisers mention the Farmers Mail and Breeze.



# STAR

## CHEWING TOBACCO

### LEADING BRAND OF THE WORLD

**"Its Lasting Flavor  
Makes Lasting Friends"**

**THE** big STAR plug is meaty with chewing satisfaction. Its thickness means more chewable *inside* tobacco. Its thin wrapper leaves it so full of ripe, juicy "chews" that it can't dry out. Its honest weight gives you more for your money.

**Men Who Chew Are Men Who DO**

More chewers chew STAR than any other brand. You'll like STAR and stick to it once you've tried it.

10c Cuts      16 oz. Plug

*Logan's Negro Tobacco Co.*

STAR was awarded the Grand Prize at the San Francisco Exposition, and is the only chewing tobacco that has ever received this highest possible award.




## Ice — Fire

One Minute      The Next

These are the extremes which a spark plug must stand in winter. But you never give a thought to these things because your motor is equipped with Champions.

**4 out of 5** American made gasoline motors are equipped with Champions. The men who build the big sellers—

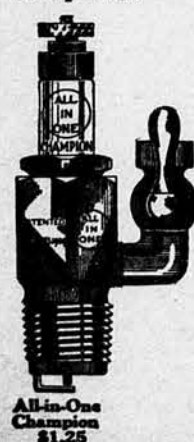
Fords, Overlands, Studebakers, Maxwells and 35 others specify



## Champion Dependable Spark Plugs

TOLEDO MADE FOR THE WHOLE WORLD'S TRADE

Our tremendous output—doubled this year as compared with last—enables us to go to extremes of engineering which lesser production would not warrant. These extremes give you that dependable aid to ignition which Champions alone provide.



There is a Champion especially designed and constructed to meet the exact conditions imposed by your motor—whether it is automobile, tractor or stationary engine. Your dealer will tell you which one it is and supply your wants.

Be sure the name Champion is on the porcelain.

**Champion Priming Plugs Make Winter Starting Easy**  
It is not enough simply to enrich your mixture with the dash adjustment, or even merely to prime your cylinders, if the day is really cold.

Prime your plugs.

Then you have your rich mixture right at the ignition point—right where the first spark can fire it.

All-in-One Champion is the pet-cock type.

It is made in various sizes to serve efficiently the various styles and types of motors.

**The Champion Guarantee** Complete satisfaction to the user—free repair, replacement or money back.

**Champion Spark Plug Company**  
512 Avondale Avenue      Toledo, Ohio

### To Determine the Breeding Type

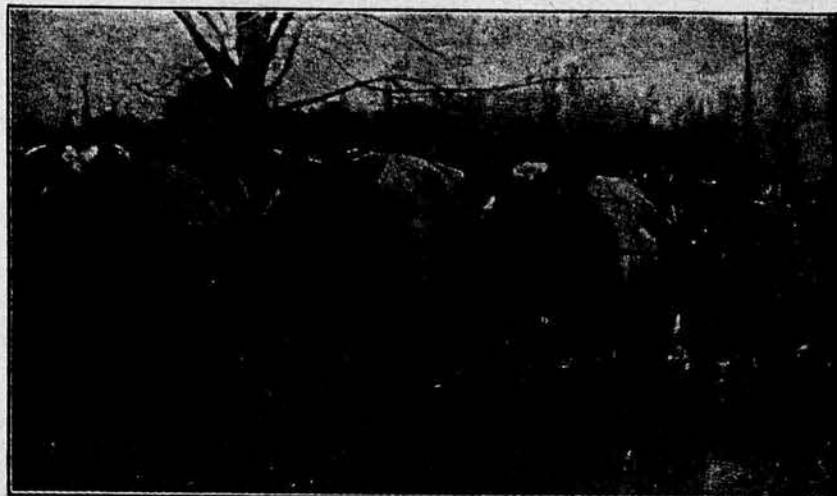
An experiment is being started by the animal husbandry department of the Kansas State Agricultural college to clear up a few details about the breeding types of Shorthorn cows. Twenty purebred cows, which have been selected from the leading herds of the United States, will be used, and the test will last 20 years. These are excellent animals. The bull which will be used on them is Matchless Dale, the present head of the college herd. This bull has obtained a great deal of fame from the winnings which have been made by the purebred steers sired by him. He has been the sire of the champion Shorthorn steer at 14 shows, including the International, American Royal and Denver.

W. A. Cochel, the head of the depart-

### Nine Years in West Kansas

We have had the most nearly perfect season in Western Kansas this year that I have seen in any country. It has been wet at times, but there are many fields of wheat that yielded more than 25 bushels to the acre, and corn will yield from 30 to 50 bushels to the acre.

I filed on a quarter-section of Morton county land in 1906, and moved my family to our new home the next spring. In the spring of 1908 I ordered about 100 fruit trees and 2,000 forest trees. I did this in spite of the fact that old settlers told me it would be a waste of time and money. The trees were shipped to Liberal, Kan., 45 miles from our farm, which at that time was our nearest railroad station. Although the trees were well packed they were not in very



It is hoped that this new test with Shorthorn cows will establish more definite information in regard to their real utility value.

ment started this test with the idea of showing the utility value of Shorthorn cows. He has observed, as have most of the leading breeders, that the real breeding performance of a cow cannot always be measured by what she can do in the show ring. There are cows in the college herd, just as there are in other herds, which will not score high, but which produce excellent calves, and which have made the owners good profits. Do such cows have types which are definite? Can a test of this kind establish principles which will help in judging this utility value? Is the fact that some cows produce calves which are especially profitable due somewhat to their milk production? It is hoped that this test will help to answer these and some related questions. It will be carried on in co-operation with the United States Department of Agriculture.

### Dollars From the Straw

Here are some figures for men who say that straw is a nuisance and should be burned:

On the state experiment station in Ellis county, which regularly grows about 400 acres of wheat, the average yield for the last five years, (1910 to 1914 inclusive), has been a little more than 17 bushels an acre, while the average wheat yield for the county during

good condition when I got them to our homestead.

The trees were soaked well in mud and water, and several buckets of water were used for each tree, when I set them in the large holes I prepared for them. The result was that only three or four of the trees died. The forest trees were only a few inches high. Practically all of them grew, and now some of them are 20 feet high.

The fruit trees began bearing three or four years after planting. This year we had a large crop of peaches and plums, and an excellent yield of apples and cherries. All of these crops are free from worms, and we did not spray. We harvested 250 bushels of peaches from 50 trees. Some of the trees yielded 7 or 8 bushels. The Crosby, Elberta, Champion, Crawford Early, Crawford Late and the Alexandria are good bearers. I have kept the trees well cultivated, but never have irrigated them.

There is a windbreak on the north, south and west of the orchard. This consists of two rows of Honey Locusts which are now about 15 feet high. These trees make an excellent protection. I consider the Honey and Black Locust the hardiest varieties of forest trees to plant in the West, for they are almost dry weather proof.

I have bought some land in western



A Destructive Farm Practice: Farmers Burning Straw in Ellis County Early Last Spring. Wheat Is Planted in the Stubble in the Foreground.

the same period has been 10.6 bushels an acre. On the experiment station from which these records are taken no straw is burned, it is either fed or scattered back on the ground where it grew. Of course, not all of this difference in yield is due to the scattering of straw, as deep and early plowing is the rule, but the straw returned makes the ground handle better, helps it to hold more water, aids in preventing blowing, and thus makes larger crops possible.

K. S. A. C.

G. E. Thompson.

The farmers of the United States grew 981 million bushels of wheat, this year, breaking all records.

Kansas, but never have sold an acre. In the last two years many of us have grown larger crops than our fellow farmers in the central and eastern parts of the state. They value their land at \$100 or more an acre, while land in Morton or Stevens counties can be bought for \$12 to \$20 an acre.

I believe that western Kansas affords greater opportunities today for an energetic, ambitious man than any other place in the world. If a man is a knocker he should stay away, for we have no time to listen to him.

W. D. Thompson,  
Representative 125th Dist.  
Rolla, Kan.



### Guarding the Meat Supply

More than 58 million meat animals were slaughtered in establishments under federal inspection during the fiscal year ending June 30, 1915. Since approximately 60 per cent of the animals killed in the country are slaughtered in establishments where federal inspection is maintained, it appears that about 100 million meat animals are now being killed every year in the United States.

Of the animals subjected to federal inspection, 299,958 were condemned as unfit for human use, and 644,688 were condemned in part. Thus a little more than 1½ per cent of all the animals inspected were condemned either in whole or in part. These figures include only cattle, calves, sheep, goats, and swine.

Tuberculosis was the chief cause of the condemnations. More than 32,644 carcasses of cattle and 66,000 carcasses of swine were entirely rejected on account of this disease, and in addition parts of 48,000 cattle and 440,000 swine also were rejected. Hog cholera was responsible for the next largest loss, nearly 102,000 swine being condemned entirely on this account.

The annual appropriation for the federal meat inspection service is now about \$3,375,000, so the cost to the people would be between 5 and 6 cents an animal if the service were confined entirely to the inspection of the animals and carcasses. In addition, however, great quantities of the meat and products are reinspected. In this item there was a very considerable increase during the last fiscal year, the reinspection resulting in the condemnation of a total of nearly 19 million pounds of products of one kind or another. Furthermore, 245 million pounds of imported meat or meat products were inspected, and more than 2 million pounds were condemned or refused entry.

In the course of its work, the Bureau of Animal Industry, which is in charge of the meat inspection service, has discovered a new method of destroying trichinae in pork, which is an additional safeguard to human health. Refrigeration at a temperature of 5 degrees Fahrenheit, or lower, for a period of 20 days will destroy these parasites which occasionally give rise in human beings to the serious disease known as trichinosis. Hitherto the only known safeguard against this disease has been thorough cooking of all pork and pork products, and those persons who neglect this precaution have always been more or less exposed to the danger. Unless pork is known to have been subjected to refrigeration it should be thoroughly cooked. The microscopic examination of pork for the detection of trichinae has been abandoned as the usual methods have proved inefficient.

In this connection it is interesting to note that more swine were slaughtered in the past year in establishments under federal inspection than ever before. A total of 36,247,958 were inspected at the time of slaughter, and approximately 35,900,000 were passed for food.

### Why She Laughed

Little Madge had been listening to her mother reading from the paper. All was silent for some little time, and then Madge burst out laughing very suddenly.

"Why, dearie," said the mother, "what is it?"

"I was thinking of what you just read about the wild people in Africa, mother," replied the child.

"But there was nothing amusing about that, dear."

"Why, yes, there was, mother," said Madge, "about their beating on their tum-tums till they could be heard for miles."

### He Started Something

"Now," said the farmer to the new hand from the city, "I want you to clean up the pigsty, the stable, the hen-house and all other houses of the stock."

The new hand worked vigorously for a couple of days. Then he appeared before his employer with both eyes nearly closed, his mouth swollen and red lumps all over his face, neck and hands.

"Gimme my money," he said; "I'm a-goin' to quit."

"What's the matter?" said the farmer. "I don't know what's the matter," said the victim, "but it happened when I started to clean the beehive."—Grit.



# Victrola

*The instrument for the world's best music*

The best music in the world is the music which is rendered by the *greatest* artists. And there's just one way to enjoy all the world's best music in your own home—on the Victrola.

The world's greatest artists make records exclusively for the Victor—and only on the Victrola can you hear their superb renditions with all the distinctive personality and charm of interpretation which make them famous the world over.

Hearing is believing. Any Victor dealer in any city in the world will gladly play any music you wish to hear and demonstrate the various styles of the Victor and Victrola—\$10 to \$300.

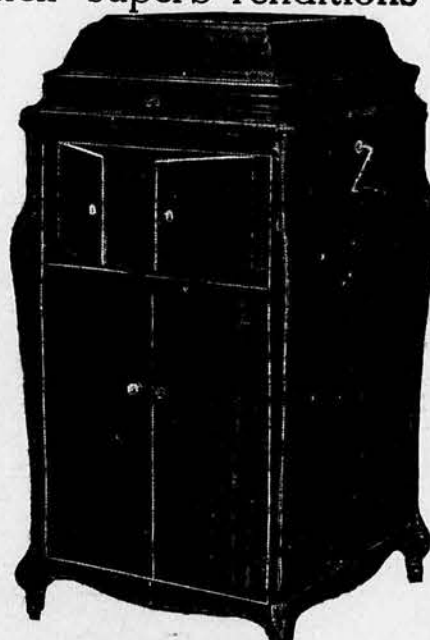
Write to us for the illustrated Victor catalogs and names and addresses of Victor dealers nearest you.

**Victor Talking Machine Co.**  
Camden, N. J., U. S. A.

Berliner Gramophone Co., Montreal, Canadian Distributors

Always use Victor Machines with Victor Records and Victor Needles—the combination. There is no other way to get the unequalled Victor tone.

New Victor Records demonstrated at all dealers on the 28th of each month



Victrola XVI, \$200  
Victrola XVI, electric, \$250  
Mahogany or oak

## \$50.00 For Two Pony Names



Here are pictures of two beautiful Shetland Ponies I am going to give away, but first I want names for them. I will pay \$25.00 cash to the boy or girl who sends the best name for pony No. 1 and \$25.00 cash to the boy or girl who sends the best name for pony No. 2. Put on your thinking cap and send the 2 best pony names you think of right now, for, not only can you win a cash prize for naming a pony, but



### You Can Win a Beautiful Pony Too

I have already given away 24 fine ponies and paid several hundred dollars to boys and girls for sending pony names and *this is your chance*. Be sure and state which name is for pony No. 1 and which name is for pony No. 2 and tell me which Pony you would rather have for your own. In case of a tie both parties tying will receive a prize just like the one for which they are tied.

### Be Sure and Send Your Name Promptly

Don't delay but send the two best pony names you can think of at once. Be sure and send your own name today so I can tell you how you can win one of the ponies for which you send a name. Only one name for each pony accepted from each family. Address

**THE PONY MAN, 59 Popular Bldg, Des Moines, Ia.**

## Silver Deposit Creamer and Sugar Bowl

**This Offer Good For 20 Days Only**



We believe this is one of the prettiest and daintiest sets of Silver Deposit Ware it has been our fortune to offer our readers. It has been difficult to get an acceptable quality for a reasonable price. We went to headquarters—the

importers who supply this ware from their own factories. This is an elegant as well as useful set and will be prized by women who like pretty dishes. It is neither too large nor too small, but of just the right size. The Creamer is 3½ inches high and the Sugar Bowl 2½ inches. The silver is inlaid in the very best quality of iridescent glass without a flaw, in a beautiful design as shown in the illustration. The set is an ideal one in every respect, being thoroughly practical for regular use or making an ornament of exceptional attractiveness and one worthy of a place in even the most richly furnished room. For gift purposes it is particularly pleasing and appropriate.

**Our Special Offer** We will send one of these beautiful Sugar and Creamer sets by parcel post set is guaranteed to please you in every way or your money will be promptly refunded. **MAIL AND BREEZE, Dept. S.C.10, Topeka, Kan.**



## When Women Get Together

Best Things For Home and Family Come From Going Outside and Mixing With Others



WE ARE about 10 miles from town, and until a few months ago had no place except the school house in which to vote, hold literary societies, or have lectures. Considering these things, the women decided to see what they could do, and organized the Richland Township Hall club, with the primary purpose of getting a township hall. Officers were elected, president, vice president, secretary, and treasurer. We carried petitions, got signers, called an extra election, and won; and in 18 months our hall was completed.

While waiting for our hall we met and sewed for any member who wanted us, charging according to the number present. Each member took something for dinner, the hostess being allowed to furnish only bread, butter, potatoes, and coffee. We also furnished lunch at sales, pieced comforts and sold them, and held ice cream and pie socials. In this way we made money enough to make the first payment on a piano to be put in the hall. Just before the 1914 election we invited the county candidates and the district representative to a pie social, which netted us \$58.50. This more than finished paying for the piano. We also asked for and got a much needed addition to our depot. When aid was asked for the Belgians we gave \$5.

We have made arrangements for a circulating library, the books to be kept at the hall, which will be open certain days to exchange books. We held "literary" all last winter in the hall, and have organized again for the coming winter. Our purpose is to do anything we can to benefit the community as well as one another. *Lula Smith.*  
R. 1, Basil, Kan.

### Is Any One Too Busy?

[Prize Letter.]

I wish every woman could belong to a club. Perhaps your neighborhood is too sparsely settled for a large club, but large or small, have one. You may think you are too busy to go; but there will be work to do when you work no more. It is well enough to keep a house nicely, but do not let the house keep you. Husbands, sons and daughters are prouder of the woman who can do more than bake and scrub and sew. An afternoon away from work occasionally breaks the monotony, and rests the tired nerves; and the work can easily be caught up the next day. Join a club, and you will be surprised to find how well you like your neighbors when you get acquainted with them.

The Merry-Go-Round club to which I belong was organized 10 years ago. The membership is limited to 30; dues are \$1 a year. This buys flowers for the sick, furnishes refreshments for our open meetings, and provides a picnic in August. Each hostess chooses the subject for her roll-call two weeks in advance. Questions, quotations, helps in reducing the cost of living, best books read, recipes, and other things furnish excellent discussions. One pleasing roll call was our "first school recitations." This was a school program, and was carried out even to the little individual lunch baskets. If a member is absent she is required to pay a forfeit in the form of a reading, story, music, anything to help with the afternoon's program. If she has time she writes a paper; or sometimes an extract is read from a book.

Special days receive special attention. The hostess is limited to two articles for refreshment besides the drink. Every sixth meeting the members entertain the husbands and families in the evening; between 75 and 100 attend. A

good program and games make the evening a merry one. The annual picnic is held in a grove, with contests, ball games, and a picnic dinner for entertainment. This is home-coming day, and former members who have moved away come and enjoy the day with us.

This is not a study club, although we have studied the "Kansas Voters' Manual," which is more than men voters take time to do. The object of our club is "friendliness, sociability, and mutual help," and the motto is, "Keep on keeping on." The value of little kindnesses to one another, the friendships formed, the companionship of 30 women meeting every few weeks never can be expressed.

Ottawa, Kan.

### These Women Do Things

[Prize Letter.]

The Mothers' club of the Prowers school was organized a little more than a year ago with 10 members. The leading purpose of the organization was to improve our school house and grounds, and provide good times for the children whose opportunities for social pleasures are limited.

Our school house was in a sorry state. The walls had not been cleaned for more than five years; the woodwork was painted an ugly drab; the whole appearance of the building was anything but inviting. We persuaded the school board to have the walls tinted and the wood work painted to harmonize. Then we set about raising funds to buy a piano for the school. A pie supper was first given, and from the sale of pies and a cake sold in a voting contest we realized \$105. A first payment of \$100 was made on our piano. We got a good second hand piano for \$160. Then we gave dances, one each month, until we had enough to pay the remainder due on our piano, also bought a good hanging lamp and some curtains to stretch across the platform. We had enough left to pay for a year's subscription to the Child Welfare Magazine. The magazine is passed from one member to the other, and articles contained therein are

### Who Has Tried Farm Ice?

"We are trying to find an easy and inexpensive way to provide a summer ice supply for the farmer's wife. We are hunting for information as to whether ice is a real saving, and whether it is cheaper on the average farm to buy ice in quantity or build and use an ice house." So writes a woman, telling of the work an organization of women in her neighborhood is doing. The Farmers Mail and Breeze will be glad to receive letters on this subject, for the help of these and other farm people who are considering the same thing.

Will those who have had experience with farm ice write? Be as definite as you can. If you can include in your letter plans for an ice house such as you would recommend, with a description of the best way of filling it, all the better. First prize will be \$1 in cash. Second and third prizes will be a year's subscription or renewal to the Farmers Mail and Breeze. For other letters used there will be a year's subscription to Capper's Weekly. Send your letter before December 1, addressed to the House Conveniences Editor, Farmers Mail and Breeze.

read and discussed at the meetings.

The club meets the first and third Fridays of each month. The first meeting is held at the school house, where the needs of the school are discussed by the teacher and the various members. The second meeting is held at the homes of the members in turn, and light refreshments are served. Always some article in regard to child training is read and discussed at these meetings. One of our members is an accomplished musician, and once a month gives a talk to the children on music and musical composers. This is followed by a short piano concert. These talks and concerts are enjoyed by the club members as well as by the children.

This year we are planning to buy a few good pictures for the school room walls, and some books for a library, also to beautify and improve the school grounds. This is a small rural community, and because of our lack of numbers the work for each member is more than it would be in a place where there could be more. But the results have well repaid the efforts made.

Elizabeth Carney.

Prowers, Colo.

### Just One Meeting a Year

Our club holds only one meeting a year, yet it has been a great comfort to its 20 members. We are somewhat shut in during the winter; and a fertile brain conceived the idea which developed into the following plan: Each member decides on a new book she wants to buy—fiction, travel, or any other subject—and gives the name to the leader. One order brings the 20 volumes to the home of the leader early in September. Then with the aid of her typewriter she prepares 20 neat slips which she pastes lightly on the first fly leaf. These slips give the names of the members in the order in which the books are to pass from one to another. Convenience in exchange is the law in the order of names. The list when finished runs something like this:

No. 1—Mrs. Brown.....Eltham House  
No. 2—Mrs. Evans.....The Golden Scarecrow  
No. 3—Mrs. Smith.....Peggen  
No. 4—Mrs. Jones.....Making Good

Every second Thursday No. 1 passes a book on to No. 2; No. 2 passes the book she has on to No. 3; No. 3's goes to No. 4; and so on. After each member's name on the typewritten list is the name of the book she has bought. We like that, because it gives us a chance to know what is before us, and to treasure any book reviews or magazine comments to compare with our own opinions when that book reaches us. Often an envelope book mark will collect several interesting clippings by the time it returns to its owner.

When the books are ready we all meet at the home of the leader, and pay for and carry away the particular book we had said we wanted to buy. In two weeks each book passes on to the next, and so on until each one has read the 20 books and her own reaches her again for her own property. We have learned to pass them on promptly, and we find our book club a great pleasure as well as a benefit, without being a burden.

Maud S. Dawson.

Hamilton, Mo.

### Soap Good As You Buy

Some soap is coming in for the big soap contest. A package came the other day with the following verse:

Just a little bar of soap,  
I come to you today.  
To join the other little bars  
Who, too, have joined the fray.  
I may not be as white as some,  
And yet I am not black,  
But of good "lather" qualities  
I think I will not lack.  
And whether best, or second best,  
Or even "not a cent,"  
My maker thinks I'm very fine,  
So I will be content.

It isn't necessary to send in the soap now; there is nearly a month yet for making it. But all soap must be in by December 15. Only a small cake of soap need be sent. A cake 2 inches square and half an inch thick will be large enough. The soap should be dry, and carefully wrapped to prevent smashing. Empty a can of lye into a jug containing 2½ pints of cold water and stir thoroughly. It will soon get hot; let stand until cold. In a basin melt 5½ pounds of any kind of fat or melted grease; this grease must not contain any salt. Let it stand until it is just warm, then pour the liquid lye into the melted fat, in a continuous stream. When the consistency of sirup is ob-

tained pour the mixture into a square, wooden box lined with a damp piece of muslin to prevent sticking to the sides and bottom. Cover with a blanket and set in a corner of the kitchen until the next day. Then cut out and put away.

### Four States Lost To Suffrage

Now that Kansas women have the right to vote they are watching with interest the growth of the suffrage movement in other states. Four states have voted on equal suffrage this fall, and despite the fact that President Wilson and several members of his cabinet voted for it, in four states, New Jersey, Massachusetts, New York, and Pennsylvania, suffrage lost. The women are not discouraged, however. The East is proverbially conservative. The fact that the subject was even permitted to come to a vote is a sign of advance. Women in favor of suffrage feel that the smallness of the majorities cast against the women promises well for their success in a not far distant future.

George—You will make me a good wife, I know.

Jane—I know I will make you a good husband.—Sydney Bulletin.



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

The pattern for shirtwaist-7476 is cut in seven sizes, 34 to 46 inches bust measure.

Rag doll 7450 is cut in sizes 16, 20, and 24 inches in length. The pattern consists of doll, one-piece dress, and bloomers.



Skirt 7459 is in six sizes, 22 to 32 inches waist measure.

Dress 7474 is in five sizes, for girls 6 to 14 years.

Dress 7445, five sizes, 34 to 42 inches bust measure.

### USE THIS COUPON FOR PATTERN ORDERS.

The 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.



## Cakes For Cool Mornings

BY MABEL GRAVES.

Cool weather brings thoughts of hot graham muffins, toast and griddle cakes. In summer we can get along on plain white bread, but for winter we want something hot every morning; and more than that, we want a change. There are dozens of recipes for different kinds of breads, hot and cold. And it seems a great pity that any family should settle down to one or two kinds for life. This is one of the duties of women—to see that the family not only has good food, but a variety. It means more pleasure for the family, and better digestions, with no extra expense except in thought.

Thinking over the question of griddle cakes, the other day I went to the store to see about a new griddle. In stock I found the old time cast iron griddle, with which I had years of acquaintance; soapstone griddles, which also have stood the test of years; and a griddle newer and more attractive than the others; made of aluminum. Aluminum is popular for cooking utensils, because it is light in weight and easily cleaned. Cakes may be fried on it without fat, thus making it possible to have hot cakes in the morning without a house filled with smoke. An aluminum grid-



dle costs more than the others, but adding to its other advantages the fact that it never rusts it seems to be worth it.

Plain wheat cakes are the starting point in all griddle cakes; but they are more digestible with some of the coarser flours added, such as corn meal, or rye or graham flour. The patented pancake flours have been successful just because people liked the mixture of flours, and women didn't want to go to the trouble of mixing. Here are some combination griddle cakes that are highly recommended:

## Rice Pancakes.

One-half pint boiled rice well beaten in gradually to 1 quart hot milk. Pour this slowly onto 2½ cups flour and ½ cup corn starch, into which 3 teaspoons baking powder have been sifted, beating all the while. Add ½ teaspoon salt, 2 teaspoons corn sirup, 2 ounces melted butter, and yolks of 2 eggs. Lastly add the whites of eggs beaten to a stiff froth. Bake on a hot griddle.

## Potato Pancakes.

The potatoes should be peeled over night and allowed to soak in cold water. In the morning drain well, grate, and again drain. To each pint of pulp add 2 eggs well beaten, 1½ teaspoons sirup, ½ teaspoon salt, a dust of pepper, and enough flour to permit of easy baking, usually about 1 tablespoon. Fry thin.

## Corn Griddle Cakes.

Two cups flour, ½ cup corn meal, 1½ level tablespoons baking powder, 1½ teaspoons salt, ½ cup sugar, 1½ cups boiling water, 1½ cups milk, 1 egg, 2 tablespoons melted butter. Add the meal to the boiling water and boil 5 minutes. Turn into bowl, add milk, and remaining dry ingredients mixed and sifted, then the egg well beaten, and butter. Cook the same as other griddle cakes.

## Quick Buckwheat Cakes.

Sift together 2 cups best buckwheat flour, 1 cup wheat or graham flour, and 4 teaspoons baking powder. Add enough water to make a thin batter, and stir in well 2 tablespoons sirup. Butter as taken from the griddle, and serve hot with sirup or honey.

## Graham Cakes.

One pint graham flour, ½ pint corn meal, ½ pint flour, 1 heaping teaspoon brown sugar, ½ teaspoon salt, 2 tea-

spoons baking powder, 1 egg, ½ pint each of milk and water. Sift the dry ingredients all together, add the beaten egg, milk and water, and fry.

## Good For Ironing Day

A discarded milk pan makes an excellent iron heater, whether you heat your irons on the gas or coal oil stove. As the inverted pan is hard to remove from the stove when hot a handle may be riveted on. An old wooden tub handle is excellent for this purpose, as it does not get hot.

Mrs. Ethel L. Comstock.

Orleans, Neb.

## When Shoes Are Too Large

Boys and girls who are growing rapidly usually have to buy their shoes a half size or size too large in order to provide for future growth. If a shoe fits when purchased it pinches before it is half worn out, and must either be endured or thrown away. If too large when bought it wrinkles, and you never have a pretty shoe. Too large a shoe is also uncomfortable right from the start, as it is apt to chafe the heel and cause painful callouses on toes and sole.

The best thing to do in order to insure a comfortable and good looking shoe from start to finish is this: Go to the store and have a perfect fit; then in the very same style of shoe buy a size or half size larger. This matter will depend on how fast you grow and how long you wear a shoe. Do not have the buttons changed at once. Take the shoes home and proceed as follows: Cut a piece of heavy paper the size and shape of the sole, slip this inside the shoe, and put the shoe on. After you have walked about the room take it off and trim the paper according to the impression the inside of the sole has made. With this as a pattern cut a sole of thin leather; chamois is good, or the wrists of old long gloves. Paste one in each shoe, and it will reduce the size of your shoe from a half size to a size, depending on the thickness of the leather. If it is not enough put a layer of cloth under the leather. After you have worn the shoe a little get the buttons put on to fit. In a few months you can remove the leather. A few weeks later have the buttons set back, and your shoe will fit to the end.

Jennie E. Stewart.

Boulder, Colo.

## The Wind

Have you ever heard the wind go "Yooooooooo?"  
'Tis a pitiful sound to hear!  
It seems to chill you through and through  
With a strange and speechless fear.  
It's the voice of the night that broods outside  
When folks should be asleep,  
And many and many's the time I've cried  
To the darkness that brooded far and wide  
Over the land and deep:  
"Whom do you want, O lonely night,  
That you wall the long hours through?"  
And the night would say in its ghostly way:

"Yooooooooo!"  
"Yooooooooo!"  
"Yooooooooo!"

My mother told me long ago  
(When I was a little lad)  
That when the night went wailing so,  
Somebody had been bad;  
And then, when I was snug in bed,  
Whither I had been sent  
With the blankets drawn up round my head,  
I'd think of what my mother said  
And wonder what boy she meant!  
And "Who's been bad today?" I'd ask  
Of the wind that hoarsely blew,  
And the voice would say in its awful way:

"Yooooooooo!"  
"Yooooooooo!"  
"Yooooooooo!"

That this was true I must allow—  
You'll not believe it, though!  
Yes, though I'm quite a model now,  
I was not always so.  
And if you doubt what things I say,  
Suppose you make the test:  
Suppose when you've been bad some day  
And up to bed are sent away  
From mother and the rest—  
Suppose you ask: "Who has been bad?"  
And then you'll hear what's true  
For the wind will moan in its ruefullest tone:

"Yooooooooo!"  
"Yooooooooo!"  
"Yooooooooo!"

—Eugene Field.

## Fooling the Kid

Ethel—"Mamma told me I could stay in the parlor last night while Mr. Huggard was calling on sister Bess."

Elsie—"And did you?"

Ethel—"Yes, and it was great fun. We played blind man's buff, and they let me be the blind man nearly all the time."

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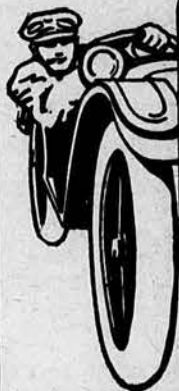
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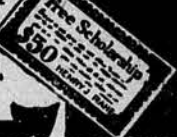
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## Now Comes the Corn Husking

### Cooler Weather is Welcome in the Kansas Fields

By Our County Correspondents

**F**ROSTY mornings are just the thing to put the corn in condition for cribbing, and they make it more pleasant for the men who are doing the husking. A great deal of the corn still is wet and sappy, and hardly fit to crib. Many sales are reported, and prices at most of them were good. Lots of fall plowing is being done this year. Rain would be welcomed in some counties.

#### KANSAS.

**Rooks County**—Husking corn soon will keep the farmers busy. Threshing is progressing nicely. Wheat making from 10 to 30 bushels to the acre. The growing wheat needs rain as it is turning yellow.—C. O. Thomas, Nov. 5.

**Keary County**—Very warm weather the last two weeks with no rain. Most of the wheat is sown and soil is in good condition for it. Blackleg among young cattle in different parts of the county. Farm work is about a month behind former years.—A. M. Long, Nov. 6.

**Nemaha County**—Corn gathering has begun and the yield is fair and quality good. Wheat seeding is finished and the acreage is decreased 50 per cent from last year. Livestock bringing good prices at public sales. Not as much hog cholera as last year.—C. W. Ridgway, Nov. 6.

**Barber County**—Fine week for all kinds of work, especially threshing. A large amount of wheat threshed, although it is damp and tests low. Stock doing well on grass yet. Not enough frost to kill second growth vegetation yet. New corn 50c to 55c; cream 25c.—G. H. Reynolds, Nov. 5.

**Cherokee County**—Wheat sowing about finished. Some fly in the early sown wheat. Most of the corn is good and husking has begun. Fine weather the last six weeks and the farmers are taking advantage of it. We need some rain now. Wheat \$1.05; corn 55c; hogs \$6.80.—A. E. Moreland, Nov. 6.

**Thomas County**—Fine weather continues. A large number of stock sales. Wheat sowing nearly finished. Considerable building being done. Wheat making good pasture. No corn on the market yet. Threshing not nearly done. Machines cannot get men at \$3 a day. Wheat 92c; barley 33c.—C. C. Cole, Nov. 6.

**Mitchell County**—Warm dry weather and a good rain is needed for the wheat. Not as large an acreage of wheat sown as usual. Corn crop good and farmers have begun gathering it. A large amount of roughness. Stock generally doing well. Wheat 90c; hogs \$6; eggs 25c; butterfat 26c.—S. C. DePoy, Nov. 6.

**Miami County**—Ideal fall weather and no rain for the last three weeks. Roads getting dusty. Farmers plowing, and repairing buildings. Corn too green to crib yet. Some corn being marketed. Considerable hog cholera reported. A good shower would do the wheat good. Stock still on pasture and doing nicely.—L. T. Spellman, Nov. 6.

**Scott County**—Warm weather. Wheat not all sown yet. Early sown wheat looking very good. Corn dry enough to crib. Hogs not very plentiful. Feed crop is mostly in the windrow or shock. Some cane standing yet. A big crop of hay has been saved. A large number of farmers holding their wheat for higher prices.—J. M. Helfrick, Nov. 5.

**Comanche County**—Wheat sowing and feed cutting finished. Late feed especially good and very heavy. Wheat acreage about 90 per cent of last year. Fly reported to be in some of the early sown wheat. Some of the wheat is being pastured. Pastures still fairly good, as there has been no general killing frost. Some cattle to be shipped.—S. A. DeLair, Nov. 6.

**Lincoln County**—Weather getting drier. Wheat sowing about all done. Late sowing needs rain to bring it up well. First sowing of wheat growing rapidly and some of it is covering the ground. Farmers beginning to husk corn and it is yielding from 50 to 70 bushels to the acre. Threshing not finished yet. Pastures dry but good. Wheat 90c; corn 50c.—E. J. G. Wacker, Nov. 5.

**Cloud County**—Two weeks of dry warm weather has enabled the farmers to finish wheat seeding but there is considerable threshing to be done yet. Late sown wheat would be benefited by a good rain as it is coming along rather slowly. Corn good but too green to crib yet. A good many public sales and cattle and hogs selling high but horses rather dull sale. All livestock doing well. Potatoes and fruit plentiful. Wheat 95c; potatoes 65c; corn 50c.—W. H. Plumly, Nov. 5.

**Anderson County**—Three weeks without rain and ground is getting dry and hard. A good deal of plowing done. Early sown wheat up and looking very good. Acreage of wheat smaller than was expected. White clover and bluegrass pastures still good. Corn husking has begun and some corn is

making 40 and 50 bushels to the acre. Some late corn damaged by frost. Stock selling good except hogs. More road work being done this fall than ever before.—G. W. Kiblinger, Nov. 4.

**Coffey County**—Three weeks of fine weather. Feed all cut and farmers busy plowing, hauling manure and shucking corn. A few silos standing idle. Some stock on pasture yet and doing well.—A. T. Stewart, Nov. 4.

#### OKLAHOMA.

**McLain County**—Weather dry the last two weeks. Farmers busy gathering corn and cotton. Some peanuts have been gathered and they made a big yield. Some hogs dying with cholera. Corn 40c; cotton 11 1/2c; eggs 25c.—L. G. Butler, Nov. 6.

**McIntosh County**—Fine fall weather. Corn being gathered rapidly and is making from 15 to 20 bushels. Cotton has been kept picked up to now. Wheat seeding is finished, and the acreage is light. Corn 40c; wheat 80c; eggs 25c; hogs 6c; cattle 5c.—H. S. Waters, Nov. 6.

**Payne County**—Fine weather the last three weeks. Wheat all sown and up. Acreage is not as large as was intended owing to the wet weather preventing plowing. Plenty of feed of all kinds and it is not very high. Fat cattle about all sold. Wheat 90c; oats 28c; corn 40c; kafir 40c.—F. F. Leith, Nov. 6.

**Texas County**—Ideal fall weather for farmers to do their work. No killing frosts yet. Farmers have been very busy the last two weeks gathering row crops, sowing wheat and threshing. With so much work at once help is a little scarce at \$2 a day and board. Volunteer wheat badly damaged by fly. A few public sales and everything sells for reasonable prices, except hogs. Eggs 30c; wheat \$1; apples 35c; potatoes \$1.—Frank Free, Nov. 6.

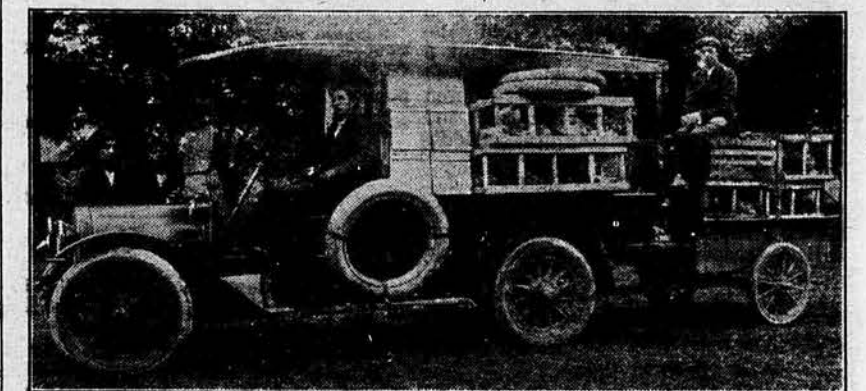
### A Truck and a Real Profit

E. D. Hartzell of Rossville has built up a good business in the buying of eggs from the farmers of that section and selling them in Topeka, 17 miles away. He has a 1-ton Buick truck, and a trailer which he can use if necessary, and the poultry is bought on the farms, and delivered in Topeka two or three hours later, with a very small shrink. The truck cost \$1,225, and the excellent roads allow it to be run about 15 miles, loaded and pulling the trailer, on a gallon of gasoline.

Mr. Hartzell has been in the poultry business five years. His plan is to buy on a basis of 1 cent a pound under Topeka prices on the farms, which makes a much better deal than taking the chickens to the smaller grocery stores in that section, which would have to pay express or freight on the birds to Topeka and stand a heavy shrink. Until last year he used teams, which made the work rather slow—he says that he can do as much work with his truck now as with four teams. Last year he purchased an old motor car, but the repair bills were too high. This year he bought the new Buick truck, which he has run an average of 80 miles a day for 60 days, and the total repair bill has been 70 cents, and this was caused by tire trouble. He has hauled as much as 3,800 pounds, and the average load has been about 3,000 pounds. The cost is much less than with teams.

A business such as that which has been established by Mr. Hartzell will become very common in the future, with the development of better roads in Kansas. The produce is gathered quickly and cheaply, and it is delivered at a lower cost than under any other plan. The chickens are at the poultry plants in Topeka soon after they leave the farms. Mr. Hartzell is developing an important feature of the better system of distribution which is coming.

An acre of corn can be placed in a silo for no more than the cost of shocking, husking, grinding and shredding.



This Truck Is Owned by E. D. Hartzell of Rossville, and It Is Used to Deliver Poultry to Topeka, Over the Good Roads



# Requirements of the Udder

## Seventh Article in Series on Judging Dairy Cattle

BY GILBERT GUSLER  
Ohio State University

TO understand the requirements placed on the udder it is necessary to understand something of the process of milk manufacture. All the work of making or secreting milk is performed in the udder. The materials are brought to the udder in the blood, through a system of arteries. The branch which enters the udder is called the mammary artery and it sends a branch to each of the four divisions of the udder. The blood, after passing through the udder, collects at the top of that organ and returns to the lungs and heart through two sets of veins. One set leads through the abdominal cavity. The other set consists of two veins known as the mammary, or milk, veins which run forward one under each side of the abdo-

difficulty and results in close thighs which cramp the udder.

To make the rump wide and level laterally as well as from front to rear, the thurls and pin bones must be high and wide apart. Freedom from fat is also a necessary condition in these parts.

The thighs should be long, thin, flat with an incurving back edge. They should be wide and well cut out between. Such are fashioned to give the udder ample room for attachment and also to indicate no tendency to accumulate flesh.

The tail should be long enough for the tip of the bone to reach the hock and should be equipped with a full brush, or switch. If the tail tapers finely to the switch, quality is indicated.



Large Elastic Milk Veins Indicate a Copious Flow of Blood Through the Udder. The Large Ones Usually Are Long and Crooked.

men to points where they enter the abdominal wall through the milk wells.

Externally, the udder is divided into four quarters, each supplied with a teat. Internally, these divisions are almost completely separated from each other by membranous walls similar to those forming the outer walls of the udder. The teat canal extends through the teat to its orifice, which is closed by a circular, or sphincter, muscle on the strength of which depends the ease of milking. This canal connects at its upper end with an irregular cavity known as the milk cistern which is capable of holding a small quantity of milk. Leading from the milk cistern in all directions through the quarter are milk ducts which divide and sub-divide and intercommunicate until they finally lead to groups of minute sacs, or follicles, called alveoli, three or four of which are arranged on the ends of the minute milk ducts like bunches of small grapes. These small sac-like bodies are lined with epithelial cells and are surrounded by blood capillaries and by lymph vessels. The process of secreting milk is performed by these epithelial cells.

Plainly, these alveoli compose the real glandular tissue, the essential part of the udder. The udder also has within it some fatty tissue and the interior structure is given shape and the milk cistern and milk ducts are formed by connective tissue. However, the value of an udder depends primarily on the amount of healthy secreting tissue within it and is indicated by the size, mellowness, and soundness of the organ. These requirements coupled with certain requirements as to shape, intended to maintain the health, cleanness, and attractiveness of the udder are the things to look for.

Rather wide, well spread, and fairly prominent hips, or hocks, are characteristic of the dairy cow. They should not project above the spine, however. Width of hips will affect the width, or spread, of barrel.

The conformation of the rump will influence the room for the udder attachment, as well as the ease of calving. Proper construction requires that the rump be long, wide, and level from the hips to pin bones and nearly level laterally. The tail head should not rise but should carry out a straight horizontal top line to the dropping of the tail. The drooping rump makes calving difficult. The narrow rump causes similar

The legs, both front and hind, should be comparatively short, set rather wide apart but squarely and firmly under the body, be nearly straight when viewed from front or rear, and should have fine smooth shank bones. Often the front legs stand close together and are rather crooked at the knees. Such legs accompany narrowness of chest and weakness of constitution. The hind feet may be shoved under in a weak position which cramps the udder.

### \$6,000 Profit From a Cow

Fifteen years ago an assistant in the dairy department of the University of Missouri began to keep record of the milk and butter production of a small Jersey cow. This assistant has gone and others have come and gone, but the Jersey cow is still on the job. In the 15 years she has produced 108,968 pounds of milk and 5,000 pounds of butterfat, or 5,833 pounds of butter.

Her best year's record was 13,322 pounds of milk and 730 pounds of butter. During the 15 years this cow, Grace Briggs, has given birth to 12 calves. The last calf sold for \$300, and the average for the 12 is about \$200. About \$2,400 was obtained from the sale of all the calves. Figuring the entire milk production for 15 years at 8 cents a quart, the total would be \$4,358.72. The approximate cost of keeping her was \$50 a year, or a total of \$750.

The average daily production of milk for the 15 years was a little more than 9 quarts a day. During her best year she produced a little more than 18 quarts a day.

If the butter was sold instead of the milk, at the price of 35 cents a pound, the total for the butter production from Grace Briggs would be \$2,041.55.

### Raise Calves at Half Cost

Raise Calves at half cost by using Brooks Best Calf Meal as hundreds of others are doing. 100 lbs. \$3.25. 500 lbs. \$15.00. Free booklet and directions. Brooks Wholesale Co., Ft. Scott, Kan.—Advertisement.

"Johnny, how did you hurt your hand? I hope you haven't been fighting again." "Willie Jones called me a liar, mother, an' then he hit me on the fist with his teeth."—Life.

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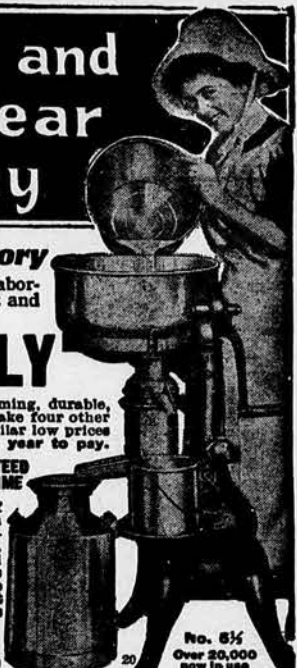
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You can have 30 days FREE trial and see for yourself how easily one of these splendid machines will earn its own cost and more before you pay. Try it alongside of any separator you wish. Keep it if pleased. If not you can return it at our expense and we will refund your \$2 deposit and pay the freight charges both ways. You won't be out one penny. You take no risk. Postal brings Free Catalog Folder and direct from factory offer. Buy from the manufacturers and save half. Write TODAY.

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## The Forester's Daughter

A Romance of the Forest Service in Colorado

BY HAMLIN GARLAND

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Wayland Norcross, son of a wealthy lumberman in an eastern state, goes to Colorado in search of health. At Bear Tooth he meets Berrie, the pretty daughter of Joseph McFarlane, forest supervisor, who becomes his fellow passenger in the stage coach for a day. Berrie is greeted by her lover, Cliff Belden, a cowboy, supposed to be interested in a saloon at Meeker's Mill, where Norcross is bound. Berrie guides Norcross to his destination. They ride away together toward the mountains. A shower intercepts them and the girl gives the youth her raincoat. There is a rough element at Meeker's, and Norcross chooses Landon, the ranger, as his companion. Landon loves Berrie. Cliff notices Berrie's interest in the tenderfoot and warns him away. He also takes his betrothed to task. She resents this and breaks their engagement. Nash, the ranger at Bear Tooth, gives Wayland points on forestry. Berrie's father offers him a place in the service.

(Chapter 5 Continued.)

At last Mrs. McFarlane rose and Berre, reluctantly, like a child loath to miss a fairy story, held out her hand to say good night, and the young man saw on her face that look of adoration which marks the birth of sudden love, but his voice was frank and his glance kindly as he said:

"Here I've done all the talking when I wanted you to tell me all sorts of things."

"I can't tell you anything."  
"Oh, yes, you can; and, besides, I want you to intercede for me with your father and get me into the service. But we'll talk about that tomorrow. Good night."

After the women left the room Norcross said:

"I really am in earnest about entering the forest service. Landon filled me with enthusiasm about it. Never mind the pay. I'm not in immediate need of money, but I do need an interest in life."

McFarlane stared at him with kindly perplexity. "I don't know exactly what you can do, but I'll work you in somehow. You ought to work under a man like Settle, one that could put you through a training in the rudiments of the game. I'll see what can be done."

"Thank you for that half promise," said Wayland, and he went to his bed happier than at any moment since leaving home.

Young Norcross soon became vitally engaged with the problems which confronted McFarlane, and his possible enrollment as a guard filled him with a sense of proprietorship in the forest, which made him quite content with Bear Tooth. He set to work at once to acquire a better knowledge of the extent and boundaries of the reservation. It was, indeed, a noble possession, containing nearly 800,000 acres of woodland and reaching to the summits of the snow lined peaks to the east, south and west, it appealed to him with silent majesty. It drew upon his patriotism. Remembering how the timber of his own state had been slashed and burned, he began to feel a sense of personal responsibility.

He bought a horse of his own, although Berrie insisted upon his retaining Pete, and sent for a saddle of the army type, and from sheer desire to keep entirely clear of the cowboy equipment procured puttees like those worn by cavalry officers, and when he presented himself completely uniformed, he looked not unlike a slender young lieutenant of the cavalry on field duty, and in Berrie's eyes was wondrous alluring.

He took quarters at the hotel, but spent a larger part of each day in Berrie's company, a fact which was duly reported to Clifford Belden. Hardly a day passed without his taking at least one meal at the supervisor's home.

As he met the rangers one by one he perceived by their outfits, as well as by their speech, that they were sharply divided upon old lines and new. The experts, the men of college training, were quite ready to be known as Uncle Sam's men. They held a pride in their duties, a respect for their superiors, and an understanding of the governmental policy which gave them dignity and a quiet authority. They were less policemen than trusted agents of a federal department. Nevertheless, there was much to admire in the older men, who possessed a self reliance, a knowledge of nature and a certain rough grace which made them interesting companions and rendered them effective teachers of camping and trailing, and while they were secretly a little contemptuous of the "school-

boys," they were all quite ready to ask for expert aid when knotty problems arose. It was no longer a question of grazing. It was a question of lumbering and reforestation.

Nash, who took an almost brotherly interest in his apprentice, warningly said: "You want to go well clothed and well shod. You'll have to meet all kinds of weather. Every man in the service—I don't care what his technical job is—should be schooled in taking care of himself in the forest and on the trail. I often meet surveyors and civil engineers, experts, who are helpless as children in camp, and when I want them to go into the hills and do field work they are almost useless. The old style ranger has his virtues. Settle is just the kind of instructor you young fellows need."

Berrie also had keen eyes for his outfit and his training, and under her



"Don't you wish it would last forever?"

direction he learned to pack a horse, set a tent, build a fire in the rain and other duties.

"You want to remember that you carry your bed and board with you," she said, "and you must be prepared to camp anywhere and at any time."

The girl's skill in these particulars was marvelous to him and added to the admiration he already felt for her. Her hand was as deft, as sure, as the best of them, and her knowledge of cause psychology more profound than any of the men excepting her father.

One day toward the end of his second week in the village the supervisor said: "Well, now, if you're ready to experiment I'll send you over to Settle the ranger, on the Horseshoe. He's a little lame on his pen hand side, and you may be able to help him out. Maybe I'll ride over there with you. I want to line out some timber sales on the west side of Ptarmigan."

This commission delighted Norcross greatly. "I'm ready, sir, this moment," he answered, saluting soldier-wise.

The next morning as he rode down to the office to meet the supervisor he was surprised and delighted to find Berre there. "I'm riding too," she announced delightedly. "I've never been over that new trail, and father has agreed to let me go along." Then she added earnestly: "I think it's fine you're going in for the service, but it's hard work, and you must be careful till you're hardened to it. It's a long way to a doctor from Settle's station."

He was annoyed as well as touched by her warning, for it proclaimed that he was still far from looking the brave forester he felt himself to be. He replied, "I'm not going to try anything wild, but I do intend to master the trailer's craft."

"I'll teach you how to camp if you'll let me," she continued. "I've been on lots of surveys with father, and I al-

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ways take my share of the work. I threw that hitch alone." She nodded toward the pack horse, whose neat load gave evidence of her skill. "I told father this was to be a real camping expedition, and as the grouse season is on we'll live on the country. Can you fish?"

"Just about that," he laughed. "Good thing you didn't ask me if I could catch fish." He was recovering his spirits. "It will be great fun to have you as instructor in camp science. I seem to be in for all kinds of good luck."

They both grew uneasy as time passed for fear something or someone would intervene to prevent this trip, which grew in interest each moment, but at last the supervisor came out and mounted his horse, the pack ponies fell in behind, Berrie followed, and the student of woodcraft brought up the rear.

#### IN CAMP.

FOR several miles they rode upward through golden forests of aspens. On either hand rose thick walls of snow white boles, and in the mystic glow of their gilded leaves the face of the girl shone with unearthly beauty.

Twice she stopped to gaze into Wayland's face to say, with hushed intensity: "Isn't it wonderful? Don't you wish it would last forever?"

Her words were poor, ineffectual, but her look, her breathless voice, made up for their lack of originality. Once she said: "I never saw it so lovely before. It is an enchanted land!" with no suspicion that the larger part of her ecstasy arose from the presence of her young and sympathetic companion. He, too, responded to the beauty of the day, of the golden forest as one who had taken new hold on life after long illness.

Meanwhile the supervisor was calmly leading the way upward, vaguely conscious of the magical air and mystic landscape in which his young folk floated as if on wings, thinking busily of the improvements which were still necessary in the trail and weighing with care the clouds which still lingered upon the tallest summits, as if debating whether to go or to stay. He had never been an imaginative soul, and now that age had somewhat dimmed his eyes and blunted his senses he was placidly content with his path. The rapture of the lover, the song of the poet, had long since abandoned his heart. And yet he was not completely oblivious. To him it was a nice day, but a "weather breeder."

"I wonder if I shall ever ride through this mountain world as unmoved as he seems to be?" Norcross asked himself after some jarring prosaic remark from his chief. "I am glad Berrie responds to it."

At last they left these lower, wondrous forest aisles and entered the unbroken cloak of firs whose dark and silent deeps had a stern beauty all their own.

The horses began to labor with roaring breath. A dozen times he thought, "We must be nearly at the top," and then other and far higher ridges suddenly developed. Occasionally the supervisor was forced to unsling an ax and chop his way through a fallen tree, and each time the student hurried to the spot, ready to aid, but was quite useless.

"One of the first essentials of a ranger's training is to learn to swing an ax," remarked McFarlane, "and you never want to be without a real tool. I won't stand for a hatchet ranger."

The sky was overshadowed now and a thin drizzle of rain filled the air. The novice hastened to throw his raincoat over his shoulders, but McFarlane rode steadily on, clad only in his shirt sleeves, unmindful of the wet. Berrie, however, approved Wayland's caution. "That's right; keep dry," she called back. "Don't pay any attention to father, he'd rather get soaked any day than unroll his slicker. You mustn't take him for a model yet awhile."

He no longer resented her sweet solicitude, although he considered himself unentitled to it, and he rejoiced under the shelter of his fine new coat. He began to perceive that one could be defended against a storm.

After passing two depressing marshes, they came to a hillside so steep, so slippery, so dark, so forbidding, that one of the pack horses balked, shook his head and reared furiously, as if to say, "I can't do it, and won't try." And Wayland sympathized with him. The forest was gloomy and cold and apparently endless.

After coaxing him for a time with admirable gentleness, the supervisor, at Berrie's suggestion, shifted part of the load to her own saddle horse, and they went on.

Wayland, though incapable of comment, so great was the demand upon his lungs, was not too tired to admire the power and resolution of the girl, who seemed not to suffer any special inconvenience from the rarefied air. The dryness of his open mouth, the throbbing of his troubled pulse, the roaring of his breath, brought to him

with increasing dismay the fact that he had overlooked another phase of the ranger's job. "I couldn't chop a hole through one of these windfalls in a week," he admitted, as McFarlane's blade again liberated them from a fallen tree.

He was beginning to be hungry also—he had eaten a very early breakfast—and he fell to wondering just where and when they were to camp, but he endured in silence. "So long as Berrie makes no complaint my mouth is shut," he told himself. "Surely I can stand it if she can." And so struggled on.

Up and up the pathway looped, crossing minute little boggy meadows on whose bottomless ooze the grass shook like a blanket, descending ravines and climbing back to dark and muddy slopes. The forest was dripping, green and silent now—a mysterious menacing jungle.

"I'm glad I'm not riding this pass alone," Wayland said as they paused again for breath.

"So am I," she answered, but her thought was not his. She was happy at the prospect of teaching him how to camp.

At last they reached the ragged edge of timber line, and there rolling away under the mist, lay the bare, grassy, upward climbing naked neck of the great peak. The wind had grown keener moment by moment, and when they left the storm twisted pines below its breath had a wintry nip. The rain had ceased to fall, but the clouds still hung densely to the loftiest summits. It was a sinister yet beautiful world—a world as silent as a dream, and through the short, thick grass the slender train ran like a timid serpent.

"Now we're on the divide," called Berrie, and as she spoke they seemed to enter upon a boundless Alpine plain of velvet russet grass. "This is the Bear Tooth plateau." Low monuments of loose rock stood on small ledges, as though to mark the course, and in the hollows dark ponds of icy water lay, half surrounded by masses of compact snow.

"This is a stormy place in winter," McFarlane explained. "These piles of stone are mighty valuable in a blizzard. I've crossed this divide in August in snow so thick I could not see a rod."

Half an hour later they began to descend. Wind twisted, storm bleached dwarf pines were first to show, then the firs, then the blue green spruces, and then the sheltering deeps of the underspoiled forest opened, and the roar of a splendid stream was heard. But still the supervisor kept his resolute way, making no promises as to dinner, though his daughter called: "We'd better go into camp at Beaver lake. I hope you're not starved," she called to Wayland.

"But I am," he replied so frankly that she never knew how faint he really was. His knees were trembling with weakness, and he stumbled dangerously as he trod the loose rocks in the path.

They were all afoot now descending swiftly, and the horses romped down the trail with expectant haste, so that in less than an hour from timber line they were back into the sunshine of the lower valley, and at 3 o'clock or thereabouts they came out upon the bank of an exquisite lake, and with a cheery shout McFarlane called out, "Here we are, out of the wilderness!" Then to Wayland, "Well, boy, how did you stand it?"

"Just middling," replied Wayland, reticent from weariness and with joy of their camping place.

With businesslike certitude Berrie unsaddled her horse, turned him loose and lent a skillful hand at removing the panniers from the pack animals, while Wayland, willing, but a little uncertain, stood awkwardly about. Under her instruction he collected dead branches of a standing fir, and from these a few cones kindled a blaze, while the supervisor hobbled the horses and set the tent.

One by one the principles of camping were taught by the kindly old rancher, but the hints which the girl gave were quite as valuable, for Wayland was eager to show her that he could be and intended to be a forester of the first class or perish in the attempt.

McFarlane went further and talked freely of the forest and what it meant to the government. "We're all green at the work," he said, "and we old chaps are only holding the fort against the thieves till you youngsters learn how to make the best use of the domain."

Berrie was glowing with happiness. "Let's stay here till the end of the week," she suggested. "I've always wanted to camp on this lake, and now I'm here I want time to enjoy it."

"We'll stay a day or two," said her father, "but I must get over to that ditch survey which is being made at the head of Poplar and then Moore

(Continued on Page 30.)



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DUFF'S BIG TYPE BARRED ROCKS. Guaranteed winners both for the farm and the show room. Half price now. A. H. Duff, Larned, Kan.

BARRED AND WHITE PLYMOUTH ROCK and White Orpington cockerels. Runner ducks. Fawn and White. and White. Half price. T. L. Byler, R. 3, Newton, Kan.

### LEGHORNS.

WANTED PRICES ON S. C. BUFF LEGHORN pullets. O. A. Lynn, Vernon, Kan.

S. C. W. LEGHORN COCKERELS: PEN stock: \$1.00. Chas. McFadden, Morland, Kan.

FINE WHITE LEGHORN COCKERELS reasonable. Mrs. Marvin Downen, Fontana, Kan.

BUFF LEGHORN COCKERELS, SINGLE Comb, \$1.00 each. Alf. Johnson, Leonardville, Kan.

PRIZE ROSE COMB WHITE LEGHORNS. Cockerels six for \$5.00. A. G. Dorr, Osage City, Kansas.

PURE BRED R. AND S. C. BROWN LEGHORNS: cockerels 60 cts. each. Josephine Reed, Oak Hill, Kansas.

PURE BARRON STRAIN ENGLISH S. C. White Leghorn cockerels \$1.50 and \$2.00. C. C. Shenkel, Geneseo, Kan.

150 PRIZE WINNING SINGLE COMB Brown Leghorn cockerels 75 cts. each. Chas. Dorr, Osage City, Kan.

PURE BRED S. C. BROWN LEGHORN cockerels \$1.00 each or 3 for \$2.25. Mrs. F. A. Bingham, Blue Mound, Kansas.

PURE BRED ROSE COMB WHITE LEGHORN cockerels, early hatched, \$1.00 and \$2.00. Henry Dieckhoff, Kensington, Kan., R. R. No. 3.

### RHODE ISLAND REDS.

LARGE, DARK ROSE COMB REDS, COCKERELS, pullets, Bargains. Sunnyside Farm, Havensville, Kan.

SPECIAL SALE OF 300 SINGLE COMB Reds. Write for price list. C. E. Florence, El Dorado, Kan.

PURE BRED ROSE COMB R. I. RED COCKERELS \$1.00. 6 for \$5. Mrs. W. A. Thompson, Logan, Kan., R. 2.

FULL BLOOD ROSE COMB RHODE ISLAND Red cockerels \$1.00. Mrs. O. T. Livenood, Natoma, Kan., R. F. D. 1.

SINGLE COMB RHODE ISLAND RED cockerels for sale. Extra good. One dollar to five dollars. A. R. Hacker, St. John, Kan.

THOROUGHbred RED COCKERELS: both combs. Big dark reds, \$1 to \$5. Good show record. Plainview Poultry Yards, La Cygne, Kan.

THOROUGHbred ROSE COMB RED cockerels \$1.50 each. Cocks \$1.00. From excellent laying stock. Mrs. C. B. Johnson, Garrison, Kansas.

### BANTAMS.

BANTAM BARGAINS. GOLDEN SEABRIGHTS. Glen Bidleman, Kinsley, Kan.

### BUTTERCUPS.

BUTTERCUP POULTRY YARDS. I WILL mate you a trio of beautiful Buttercups (200 egg strain) for \$10 and ship November 1. Book your orders now and avoid disappointment. No better Buttercups in United States. Prosperity and happiness with this breed. W. C. West, R. No. 5, Topeka, Kan.

## WYANDOTTES.

35 CHOICE COLUMBIAN WYANDOTTE chicks. J. J. Pauls, Hillsboro, Kan.

BUFF WYANDOTTE HENS, COCKERELS, pullets. Geo. Kittell, Newton, Kan.

SILVER WYANDOTTES—NICE COCKERELS \$1 each. Mrs. J. W. Gause, Emporia, Kan.

REV. QUILLIAM'S WHITE WYANDOTTES. 100 cockerels, \$1.00 to \$10.00. Wamego, Kansas.

GOLDEN LACED WYANDOTTES. PRICES reasonable. D. Lawver, Weir, Kan., Route 3.

WHITE WYANDOTTE COCKERELS, hens cheap. H. O. Collins, Fontana, Kan., R. F. D. No. 2.

PURE BRED WYANDOTTES FOR SALE. Prize winning stock. Mrs. Alvin Tennyson, Lamar, Kan.

WHITE WYANDOTTES—FANCY COCKERELS from the best blood in the state. \$1.50. L. B. Pixley, Wamego, Kan.

## ORPINGTONS.

CHOICE BUFF ORPINGTON COCKERELS. C. A. Bassett, Burlingame, Kansas.

WHITE ORPINGTON COCKERELS FOR sale. \$1.50 and \$2.00. L. S. Duck, Andover, Kan.

FOR SALE—WHITE ORPINGTON BREEDERS and young stock. Mrs. J. C. Vincent, Jamestown, Kan.

FINE WHITE ORPINGTON COCKERELS \$5. Imported Carey stock. Mrs. Helen Lill, Mt. Hope, Kan.

FOR SALE. FINE BUFF ORPINGTON cockerels, farm raised, \$1.00 and \$1.50. Mrs. Walter Clark, Oskaloosa, Kansas.

OVERLOOK POULTRY FARM HAS 50 BIG boned Buff Orpington cockerels for quick sale. \$2-\$3-\$5 each. Chas. Luengene, Box M 149, Topeka, Kansas.

## DUCKS.

PURE WHITE INDIAN RUNNER DRAKES \$1.00. Chas. McFadden, Morland, Kan.

FAWN AND WHITE RUNNER DUCKS—Good stock. \$1.25 each. Mrs. Jake Ayers, Sabetha, Kan.

FAWN AND WHITE AND ENGLISH PENCILLED drakes \$1.25 each. Mrs. J. G. Olson, Dwight, Kan., Route 2.

RUNNERS—BEAUTIFUL FAWN-WHITE from prize winning stock. \$1.00. Mrs. L. H. Taylor, Kincaid, Kan.

CHOICE ENGLISH PENCILLED INDIAN Runner ducks. Special price on trios. Mrs. H. O. Mott, White City, Kan.

## LANGSHANS.

UNTIL NOV. 15TH, GOOD BLACK LANGSHAN cocks and chicks, \$1 and up. Mrs. Geo. W. King, Solomon, Kan.

BLACK LANGSHANS \$1.50 and \$2.00 EACH and Buff and Partridge Cochins Bantams \$2.00 and \$2.50 per pair. R. C. Krum, Stafford, Kan.

## TURKEYS.

NARRAGANSETT TURKEYS. MRS. RIPLEY Smith, Cleveland, Mo.

THOROUGHbred BRONZE TURKEYS; must sell. E. Bidleman, Kinsley, Kan.

## ANCONAS.

ANCONA COCKERELS FOR SALE CHEAP. G. W. Skinner, Baxter Springs, Kan.

## SEVERAL VARIETIES.

BREEDERS CHEAP IN ALL VARIETIES Leghorns, Wyandottes, Rhode Island Reds, Orpingtons, Langshans, Cochins, Brahmas, Rocks, Bantams, ducks, geese, turkey and Pearl and White guineas. Bare Poultry Co., Box 819, Hampton, Iowa.

MAMMOTH BRONZE TURKEYS. PERKINS strain yearling tom \$8.00; yearling hens \$3.50; young toms \$4.50; young hens \$2.50. Fawn and White Runners .50-.75-\$1.00. 6 dozen white hens \$6.50 per dozen. Guineas .50 each. Chida Chapman, Selma, Kan.

## MISCELLANEOUS POULTRY.

FOR SALE—PIGEON FARM PLANT WILL clear \$1,000.00 annually. Little labor. Address The Squab Ranch, Hastings, Neb.

## POULTRY WANTED.

TURKEYS, CHICKENS, GUINEAS WANTED. Coops loaned free. The Copes, Topeka, Kansas.

IF WE CANNOT MAKE MONEY FOR YOU we do not expect your poultry. Coops loaned free. The Copes, Topeka, Kansas.

## LIVE STOCK

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

PURE BRED JERSEY CATTLE FOR SALE. Ideal Stock Farm, Concordia, Kan.

REGISTERED HOLSTEIN CALVES, ONE bred heifer 3 year. W. G. Wright, Overbrook, Kan.

REGISTERED HOLSTEIN BULL CALVES for sale; one ready for service. G. H. Ross, Independence, Kan., R. 1.

HIGH GRADE HOLSTEIN CALVES, either sex, 3-4 weeks old. \$17 each, crated. Burr Oak Farm, Whitewater, Wis.

FOR SALE, OR WOULD TRADE FOR other livestock—2 young Jacks, 4 Jennets, 1 Percheron stallion. A. Atkins, Valley Falls, Kan.

FOR SALE—GRADE GUERNSEY HEIFERS. 2 will be 2 next spring. Served Oct. twentieth by registered animal. R. C. Krueger, Burlington, Kan.

HORSES FOR SALE—100 HEAD OF range horses, consisting of mares and geldings. Will sell in carload lots; price \$25.50 per head. Can deliver horses to points in Colorado, Kansas, Oklahoma or Texas. Write me. Harry Lammon, Harrington, New Mex.

FOR SALE—UP-TO-DATE POLAND CHINA pigs, either sex, and a few outstanding spring boars, and another fine litter of White English bull terrier pups, the best stable and watch dog on earth. Prices and quality will please you. C. D. Close, Gorham, Kan.

## SEEDS AND NURSERIES

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20 APPLE OR 20 PEACH \$1. CHERRY, plum and berries. Waverly Nurseries, Waverly, Kan.

NEW CROP SUDAN GRASS SEED AT 10 cts. per lb. in 100 lots. W. J. Duncan, Lubbock, Texas.

DWARF HEGARI BEATS KAFFIR, MAIZE or feterita. 10 pounds \$1. Charlie Clemmons, Verdon, Okla.

APPLE TREES 4 CTS. PEACH TREES 5 cts. Salesmen wanted in Mo., Ark. and Kansas. Home Nursery Co., Elkins, Ark.

MILLIONS STRAWBERRY PLANTS, thousands rhubarb roots cheap. Southwestern Seed Co., Dept. C, Fayetteville, Ark.

PLANTERS TREES—NEW WAY SAVES you dollars. Pay after you see trees. Sold straight to you. Booklet mailed free. Planters Nursery, Box 28, Winfield, Kansas.

## FARM MACHINERY

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WANTED FOUR BOTTOM ENGINE PLOW. John Hopkins, Burns, Kan.

## FOR SALE

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FOR SALE—HEDGE POSTS; CARLOTS. H. W. Porth, Winfield, Kan.

FOR SALE—GREY-HOUND PUPS. \$2.50 each. Claude Bachus, Leroy, Kan.

\$160 BUYS A SMALL GASOLINE TRACTOR. S. B. Vaughan, Newton, Kansas.

COLLE PUPPIES. HANDSOME, INTELLIGENT. \$5. Frank Barrington, Sedan, Kan.

LONG GREEN LEAF TOBACCO TO CHEW or smoke, 20 and 25 cents per pound. 100 pounds delivered. True Cutler, Holt, Mo.

8 H. P. PORTABLE INTERNATIONAL engine; has magneto and friction clutch pulley. First class condition. Alfred Woodward, Burrton, Kan., R. F. D. 3.

PRAIRIE HAY. WE HANDLE HAY in large quantities and can make shipment any day. Ask for delivered prices. The Osage City Grain & Elevator Co., 416 Main street, Osage City, Kansas.

FOR SALE: A THREE TON AVERY AUTO truck rigged for all kind fieldwork, also with pulley for all kinds beltwork, with dray rack and box with 3 large seats, all overhauled, only run around 150 days full day's work; reason too big for my use. Address Box 133, Hope, Kan.

FOR SALE—FINE PIECE OF PROPERTY in Winfield, Kan. two story, 7 room modern house, all complete, gas, electric lights. Oak floors down stairs. 1/4 block ground, garage, 1 block from car line. Price \$3,800 for quick sale, part cash, balance 6 per cent. Will sell all or part of ground with the house. Jenny Turner, owner, Maxwell, N. Mexico.

FINE TOPEKA HOME FOR SALE—I WILL sell my place in Topeka, located on the most beautiful street in the city, near limits of city, two blocks from street car, two blocks from fine school, fine old shade, park like surroundings, lot 61 1/2 by 205 feet, eight room house, modern in every detail, hardwood finish, four fine mantels and grates, of oak, brick and tile, big sleeping and dining porch, both screened, barn, poultry houses, etc., etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or terms. Interest only 6 per cent instead of the usual 7 per cent. No trade. Address R. W. E., care Mail and Breeze.

## LANDS

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GOOD 160 ACRE FARM \$25 PER ACRE. Write Neal Finney, Amo, Colo.

FARM NEAR LARNED SUITED FOR dairying. Frank Dodge, Larned, Kan., Route 2.

FINE QUARTER SECTION NEAR TOWN. Write for particulars. W. F. McBride, Hobart, Okla.

WANT A HOME? FINE 320 ACRE HOME—stead relinquishment for sale. Box 5, Goodland, Kansas.

FOR SALE—CHIEYENNE COUNTY QUARTER \$1800; have had offer \$3200. Write Lock Box 17, Potter, Kansas.

35 ACRES, WELL IMPROVED, 1/4 MILE of city limits, \$3,200 if sold soon. L. B. Adams, Wiley, Kan., R. F. D. 2.

480 A. CHOICE ALFALFA AND WHEAT land, Saline Co. \$32 a. Good improvements. Fred A. Reed, Salina, Kansas.

320 ACRE FARM, FOUR MILES TO STATION. Improvements cost six thousand. Price \$12,800. Fred A. Reed, Salina, Kan.

160 A. 2 MILES FROM ESKRIDGE, KAN. Well improved, in good shape, fine location, \$60 per acre. H. Reynolds, Eskridge, Kan.

FOR SALE—GOOD WHEAT, ALFALFA and stock farms in Elk county. For description write owner, W. R. Glasscock, Moline, Kan.

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

SELL OR TRADE. RAW, FENCED, UNINCUMBERED upland quarter, 4 miles east of Garden City, cheap. F. L. Mathews, Sterling, Kan.

640 A. 4 1/2 MI. OF CO. SEAT. 12,000 BU. of grain this year. 270 a. in wheat. For sale reasonable. No trade. Geo. Shriwise, Jetmore, Kan.

FOR SALE OR TRADE—110 A., ALFALFA, silo, good barn and house, well watered, school on farm, close to trading point. Wm. Davis, R. 4, Carbondale, Kan.

FREE 320 ACRE COLORADO HOME—steads almost gone. Last chance for free farms. Fine water. Rich loam soil. Write Smoke & Ray, Box 595, Pueblo, Colorado.

FOR SALE OR EXCHANGE—CLEAR 80 A. in Laramie Valley, 1/4 mi. of R. R. station, 8 mi. of Laramie City, Wyo. Level, subirrigated. Progressive Realty Co., Greeley, Colo.

FOR SALE OR TRADE 80 A. OF TIMBER land in Madison Co., Mo. Price \$2,000. Want Kansas land. Would consider cattle for one-half value, balance cash. Geo. J. Schoor, Mound City, Kan.

JEWELL CO. QUARTER—85 A. PLOWED, 20 a. alfalfa, balance pasture and timber. 8 room house, barn, corn crib and granary. Plenty of water. A good farm. Price \$80 per acre. W. Guy Gillett, Otego, Kan.

YOUR FARM OR CITY PROPERTY CAN be sold. Our plan will sell it. Particulars will convince you. Write at once. Henry Satis Company, 693 Second avenue, Detroit, Michigan.

MUST BE SOLD IN NEXT 3 WEEKS, 160 acres unimproved, 5 miles from R. R. town. Cuts 100 tons of hay. Will include 50 tons of hay for \$11.00 per acre. Will give terms. Chas. L. Wolf, Dickens, Neb.

FARMS AND RANCHES \$4.50 UP. STOCK, dairying and farming. Corn, maize, kafir, sorghum, wheat, etc., raised. Good climate. Schools and churches. Write for particulars. Amistad Realty Co., Amistad, Union Co., N. Mexico.

160 A. McPHERSON CO. 90 CULT., BAL. pasture, fair improvements, \$8,000; mortgage \$2,000. Want suburban city property of 40 or 80 acres or within 2 miles of town in eastern Kansas. W. E. Lundquist, McPherson, Kan.

PRODUCTIVE LANDS; CROP PAYMENT or easy terms along the Northern Pac. Ry. in Minn., N. D., Mont., Idaho, Wash. and Ore. Free literature. Say what state interests you. L. J. Bricker, 46 Northern Pac. Ry., St. Paul, Minn.

FOR SALE—80 ACRES 1 MILE FROM State Agricultural college, 1/4 mile from town. Excellent home for old couple retiring, for small dairy or to send children to college. Part alfalfa land. Improved. \$4,500.00. Terms. C. H. Thompson, Stillwater, Oklahoma.

NORTHERN MINNESOTA—CHEAP, FERTILE land; easy terms. Excellent climate, sweet water, good markets. Grasses grow luxuriantly. The ideal cattle country. Write for information. Northern Minnesota Development Association, Mail & Breeze Department, Duluth, Minn.

## FURS AND HIDES

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SELL US YOUR FURS AND HIDES. Highest prices. Honest and liberal grading. Prompt returns. An old reliable house for all shippers. Satisfaction guaranteed. Send for special price list at once. Ohsman & Sons Co., Box 748, Cedar Rapids, Iowa.



## FOR SALE OR TRADE

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ONE GOOD SIX ROOM HOUSE, ONE TWO room house, the only produce and creamery business in town, for trade for land in Stevens, Grant or Morton Co., Kan. Inquire Box 105, Englewood, Clark Co., Kan.

FIRST CLASS GROCERY AND MEAT market for sale \$3500. Would consider small farm in exchange. Have poor health. Must sell. J. A. Powell, 10th and Quindaro, Kansas City, Kansas.

## BEES AND HONEY

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FOR SALE. NEW HONEY. SAMPLE AND prices on application. Glen C. Voorhees, Tranquillity, Calif.

LIGHT AMBER EXTRACTED HONEY. 2-60 pound cans \$8.40. Broken combs 2-56 pound cans \$10.64. V. N. Hopper, Las Cruces, N. Mex.

HONEY—FANCY WHITE EXTRACTED, 2 60-lb. cans \$11.00. Light amber \$10.00. Amber \$8.50. Single cans 25 cents extra. Bert W. Hopper, Rocky Ford, Colo.

HONEY—CO-OPERATE TO BUY, YOU can save. A car of choice California extract light amber alfalfa honey, 5 gal. cans. My own crop direct to consumer. How much can you use? Tell your agent and neighbors. Sample free. Will divide. Honey doesn't spoil. Harry Cross, 1107 Broadway, Kansas City, Mo.

## BUSINESS CHANCES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

FREE FOR SIX MONTHS—MY SPECIAL offer to introduce my magazine "Investing For Profit." It is worth \$10 a copy to anyone who has been getting poorer while the rich, richer. It demonstrates the real earning power of money, and shows how anyone, no matter how poor, can acquire riches. Investing For Profit is the only progressive financial journal published. It shows how \$100 grows to \$2,200. Write now and I'll send it six months free. H. L. Barber, 425-28 W. Jackson Blvd., Chicago.

## HOMES WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

THE CHILDREN'S AID SOCIETY OF NEW York wishes to provide homes in the country for the many poor and homeless children who come under its care. These children have been diligently trained to fit the new family life into which they are to enter. If a mistake has been made in the choice or for any reason the child be not satisfactory, the Society bears the expense of its return. If you apply for a child you should be prepared to satisfy the Society that you will furnish the comforts of a home; that you will treat the little one as a real member of your family by taking the place of father and mother to him as far as possible. If you have never had a boy about you, you can hardly imagine how interesting he can be and how he can renew your interest in life by relieving you of many of the small cares of the farm. Or possibly send you a sweet little girl to cheer your household in return for the comfort and protection of an approved home. We are anxious to find a home for twin boys, Edward and Edwin, eight years old, very bright, interesting boys, light hair, blue eyes, and always wide awake. Another boy William, eleven years old, a very attractive boy of Swedish descent. Two girls of fifteen, May and Victoria, want a home where they can attend school. Kindly send your name and address telling about your home and I will be pleased to correspond with you. Make application to Anna Laura Hill, P. O. Box 26, Topeka, Kan.

## CREAM WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

CREAM WANTED—THE INDEPENDENT Creamery Company of Council Grove, Kansas, buys direct from the farmer. Write for particulars.

## MISCELLANEOUS

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I NEED A GOOD AUTO; WILL TRADE you good land. G. N. Kysar, Goodland, Kan.

FOR SALE—SORGHUM THAT IS SORghum. Sample ten cents. W. P. Waters, Pyatt, Ark.

FOR SALE—GUARANTEED HOUNDS. Send 2 cent stamp for prices. Rash Bros., Centerville, Kan.

WANTED—WHITE ESQUIMO-SPITZ PUPples about six weeks old. Brockway's Kennels, Baldwin, Kan.

WANTED TO BUY—A NO. 1 COON, skunk and opossum hound. Must be a good one. What have you? Address P. C. X., care Mail and Breeze.

LUMBER—WE SHIP TO CONSUMERS AT wholesale. Send us your itemized bills for estimate. Lowest prices on Bole D' Arc cedar and oak posts. Telephone poles and piling. McKee Lumber Co. of Kansas, Emporia, Kansas.

BIG BARGAIN FOR SHORT TIME ONLY. Send only 10 cents and receive the greatest farm and home magazine in the Middle West for six months. Special departments for dairy, poultry and home. Address Valley Farmer, Arthur Capper, publisher, Dept. W. A. 10, Topeka, Kansas.

## PATENTS

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PATENTS THAT PAY. \$600,812 CLIENTS made. Searches. Advice and two books free. E. E. Vrooman & Co., 885 F, Washington, D. C.

PATENTS SECURED THROUGH CREDIT system. Free search. Send sketch. Book and advice free. Waters & Co., 4215 Warder Bldg., Washington, D. C.

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

PATENT WHAT YOU INVENT. IT MAY be valuable. Write me. No attorney's fee until patent is allowed. Estab. 1882. "Inventor's Guide" free. Franklin H. Hough, 532 Loan & Trust Bldg., Washington, D. C.

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

WRITE FOR LIST OF PATENT BUYERS who wish to purchase patents and what to invent with list of inventions wanted. \$1,000,000 in prizes offered for inventions. Send sketch for free opinion as to patentability. Write for our Four Guide Books sent free upon request. Patents advertised free. We assist inventors to sell their inventions. Victor J. Evans & Co., 825 Ninth, Washington, D. C.

## HELP WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

CHRISTIAN HELPERS AND FARMER tonants wanted. No capital required. Jno. Marriage, Mullinville, Kan.

BE A DETECTIVE. EARN \$150 TO \$300 per month; travel over the world. Write Supt. Ludwig, 401 Westover Bldg., Kansas City, Mo.

U. S. GOVERNMENT WANTS CLERKS. Men—women 18 or over. \$70.00 month. Vacations. List of positions now obtainable free. Write immediately. Franklin Institute, Dept. D 51, Rochester, N. Y.

WANTED FARMERS—MEN AND WOMEN everywhere. U. S. government jobs \$75 month. Short hours. Vacations. Rapid advancement. Steady work. Many appointments coming. Common education sufficient. No pull required. Write immediately for list of positions now obtainable. Franklin Institute, Dept. D 51, Rochester, N. Y.

## MALE HELP WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

GOVERNMENT FARMERS WANTED. \$60 to \$125 monthly. Free living quarters. Write Ozment, 38F, St. Louis.

MOLER BARBER COLLEGE. MEN WANTED. Special fall rates. Write for free catalogue. 514 Main St., Kansas City, Mo.

WANTED. A MARRIED FARM HAND, FOR winter or year. Send references first letter, to B. C. McClelland, Milo, Lincoln Co., Kan.

SALESMEN WANTED FOR FRUIT AND ornamental trees. Experience unnecessary. Outfit free. Pay weekly. The Lawrence Nurseries, Lawrence, Kan.

I CONDUCTED GOVERNMENT EXAMINATIONS. Can help you secure railway mail or other government positions. Trial examination free. Ozment, 38F, St. Louis.

WE GUARANTEE YOU A GOOD POSITION paying from \$15 to \$25 per week by taking a course in Stuhl's Institute of Watchmaking and Engraving. 207 Altman Bldg., Kansas City, Mo.

MOTORMEN—CONDUCTORS; \$80 MONTHLY. Interurbans everywhere. Experience unnecessary; qualify now; state age. Booklet free. Electric Dept., 812 Syndicate Trust, St. Louis, Mo.

FIREMEN AND BRAKEMEN; \$100 MONTHLY. Experience unnecessary. Hundreds needed by the best railroad everywhere. Particulars free. 796 Railway Bureau, East St. Louis, Ill.

WANTED—IMMEDIATELY. MEN, 20-40 years old, for electric railway motormen and conductors. All parts U. S.; \$60 to \$100 monthly. Experience unnecessary. Write for application blank. National Railway Training Association, Dept. 49, Kansas City, Mo.

## AGENTS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

MAKE BIG MONEY SELLING FEED cookers and tank heaters. Write quick. Fulton Mfg. Co., Toledo, Ohio.

AGENTS SELL OUR 7-PIECE DANDY kitchen sets, worth \$2.50, for \$1.25. Easy sellers. Big money. Write for particulars. Oklahoma Agency Co., Alva, Okla.

WANTED—AGENTS TO SELL WINFIELD Reliable Trees. Pure bred—True to name. Growers of a general stock. Will pay a liberal commission. Cooper and Rogers, Winfield, Kan.

YOUNG MAN, WOULD YOU ACCEPT A tailor-made suit just for showing it to your friends? Then write Banner Tailoring Co., Dept. 177, Chicago, and get beautiful samples, styles and a wonderful offer.

IDEAS WANTED—MANUFACTURERS ARE writing for patents procured through me. Three books with list hundreds of inventions wanted sent free. I help you market your invention. Advice free. R. B. Owen, 34 Owen Bldg., Washington, D. C.

AGENTS—MEN OR WOMEN. A REAL—honest to goodness—sells itself line—over 250 light weight, popular priced necessities. We pay 100% commission. \$6 a day can be made at the start. No capital—no experience required. Enormous demand—sells fast—big repeaters. Valuable territory open—all or spare time. Elegant agent's outfit furnished free. Write today. Postal will do. American Products Co., 3484 American Bldg., Cincinnati, O.

## Beef Prices Take a Drop

Packers Are Succeeding in Their Effort to Force the Hog Market Down to a \$6 Basis

LAST week was a disappointment to cattle sellers. Beef steers were 25 to 50 cents lower, stockers and feeders 10 to 25 cents lower. A few owners would not accept bids in Kansas, and sent their cattle forward to St. Louis and Chicago, but sales at those markets were mostly lower than bids here, losing freight and shrink, shippers thus encountering a second disappointment more keen than the first. One shipment to Chicago brought \$7.55 Thursday, on which the bid here Monday was \$8.15. The usual complaint about poor beef outlet is given as cause for weakness in beef cattle, and stocker and feeder decline is largely sympathetic. Iowa and Illinois have some soft corn, and buyers from such localities have taken quite a number of feeding steers, at \$7 to \$8.15. Best fed steers sold at \$10 and some very good ones sold at \$9.25 and \$9.35, including yearlings.

Kansas grass and short fed steers sold at \$6.75 to \$8.00. Twenty-four cars Montana range beef steers sold at \$7.60 and \$7.50. Quarantine steers brought \$5.75 to \$6.50, nothing very good included. Stocker and feeder offerings embraced every variety, choice Panhandle yearlings at \$8.50 and 2-year-olds at \$8.10 topping the market, medium Panhandle stockers \$6.75 to \$7.50, good Colorado yearlings and 2-year-olds \$6.90 to \$7.75. Oregon and Nevada feeders at \$7.00 to \$7.25, some common Nevadas at \$6.25.

Hogs declined from \$7.50 for tops Monday to \$7.10, bulk of sales showing not quite as much loss. Receipts at all points are increasing, and doubtless will show further increase from now on, lending some consistency to packers' efforts to work toward a \$6 market. Feeding for weight at present prices of hogs and corn is profitable and may cause hogs to come forward more slowly, but the belief prevails that winter prices will be considerably lower than the present range.

FAT STEERS—  
Prime, heavy, corn fat.....\$5.50@10.00  
Prime medium weight.....9.25@9.85  
Good to choice.....8.00@9.20  
Fair to good.....7.15@8.00  
Western steers, choice.....7.50@8.50  
Fair to good.....6.50@7.45  
Common to fair killers.....5.75@6.45  
Prime yearlings.....8.50@9.75

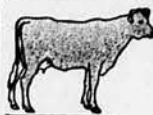
COWS AND HEIFERS—  
Prime.....\$6.00@6.75  
Good to choice.....5.50@6.00  
Fair to good.....4.75@5.45  
Cutter cows.....4.00@4.70  
Canners.....3.00@4.00  
Prime heifers.....8.25@9.25  
Fair to choice.....7.25@8.20  
Common to fair.....6.00@7.20

QUARANTINE CATTLE—  
Steers, grain fed.....\$8.25@8.50  
Steers, meal and cake fed.....7.00@8.20  
Steers, grass fat.....5.25@7.00  
Cows and heifers.....4.00@7.00

FEEDERS AND STOCKERS—  
Selected feeders.....\$7.40@8.15  
Good to choice feeders.....7.00@7.35  
Medium to good feeders.....6.25@7.00  
Common to fair feeders.....5.75@6.20  
Selected stockers.....7.35@8.25  
Medium to good stockers.....6.00@7.30  
Common to fair stockers.....5.50@6.00  
Stock cows.....5.00@6.25  
Stock heifers.....5.25@7.25  
Stock calves.....6.00@8.50  
Veal calves.....6.50@10.25  
Killing bulls.....4.75@6.50

MOGS—  
Choice hogs, over 200 pounds.....\$6.50@7.15  
Choice hogs, over 200 pounds.....6.70@7.10  
Light hogs, 150 to 200 pounds.....6.50@7.15  
Pigs.....5.00@6.00  
Rough to common.....5.75@6.50  
Bulk of sales.....6.70@7.10

SHEEP—  
Lambs.....\$8.25@8.65  
Yearlings.....6.25@7.00  
Wethers.....5.65@6.40  
Ewes.....5.40@6.15  
Feeding lambs.....7.00@8.25  
Goats.....4.25@5.00



Ship Us Your Stock That You Want to Market

Our twenty years' experience on this market will save you money. Each department is looked after by competent men. Our weekly market letter will be sent free upon request. See that your stock is billed to us.

Ryan-Robinson Commission Co.  
421-5 Live Stock Ex., Kansas City, Mo.

## FARMS WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

WANTED—TO HEAR FROM OWNER OF good farm or unimproved land for sale. H. L. Downing, 111 Palace Bldg., Minneapolis, Minn.

I HAVE SOME CASH BUYERS FOR SALEABLE farms. Will deal with owners only. Give full description, location, and cash price. James P. White, New Franklin, Mo.

FARMS WANTED. WE HAVE DIRECT buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

## Receipts of Livestock.

	Last week.	Preceding week.	Year ago.
Cattle—			
Kansas City.....	67,350	75,550	68,000
Chicago.....	55,000	39,500	52,500
Five markets.....	122,350	114,900	120,500
Hogs—			
Kansas City.....	50,650	36,550	70,600
Chicago.....	126,000	95,000	121,000
Five markets.....	276,650	196,550	236,500
Sheep—			
Kansas City.....	52,100	31,250	96,800
Chicago.....	30,000	63,000	111,000
Five markets.....	217,000	221,250	220,400

## Large Exports of Wheat.

Wheat exports continued on a large scale last week, far in excess of the average of published reports of foreign purchases during the last few weeks, affording evidence that the business is not going through the usual channels and is negotiated with more or less secrecy by agents of foreign governments. The reported export sales in all positions were only about 5 million bushels, and that is somewhat above the average for some weeks past, but the actual clearances last week, as reported by Bradstreet's were 10,134,000 bushels from United States and Canada, and the Broomhall reports show 51½ million bushels shipped from North America in the last four weeks an average of nearly 13 million bushels weekly.

The persistence of the large export movement kept the market strong last week, and the close, though somewhat below the top, was about 2 cents higher than the week before.

## More Canadian Wheat Going Out.

A large proportion of last week's exports was Canadian wheat, and this is likely to continue true of the movement for the next few weeks. More than 2 million bushels of Canadian wheat went out "in bond" from United States ports and there were large shipments from Canadian ports. The immense Canadian wheat movement has not yet shown up so much as was to be expected in the exports, but large quantities are now available at ports and the movement abroad will increase.

## Wheat Is Accumulating.

Primary wheat receipts last week were a little larger than in the preceding week and 15 per cent larger than the big movement a year ago. There is more indication now than at any previous time this season of an accumulation of wheat at market centers. Kansas City stocks increased about 450,000 bushels last week, Minneapolis increased 500,000, Duluth should show about 2 million bushels increase or more. Chicago's shipments were ¾ million bushels less than receipts. Seaboard exports just about equaled the arrivals.

Diminished prospects of opening the Dardanelles in the near future tend to strengthen the markets of Western Europe somewhat, but the world's crop statistics indicate that ample wheat is available for importing countries without counting the big Russian surplus. English markets are pursuing an even tenor, with indications that the British millers are disposed to depend on a normal supply coming to them as needed without putting forth any extra effort to get it.

## Corn Prices Up a Few Cents.

News affecting corn futures was mostly favorable to the buying side last week and rather strong sentiment developed.

Foreign purchases of new corn were claimed almost every day, though the amount sold generally was kept secret. It was claimed that contracts for new corn made in the past two months exceed 10 million bushels. Exports last week were only 239,000 bushels, a moderate quantity but the largest in some weeks past.

Complaints were numerous that much of the new corn in the Northern districts was soft and of no marketable value. Private estimates of the crop, made without regard to quality, forecasted a yield the largest on record.

Hard Wheat—No. 2, nominally \$1.02@1.09; No. 3, nominally 98¢@1.03½; No. 4, 90¢@98¢. Soft Wheat—No. 2, nominally \$1.12@1.14; No. 3, \$1.03@1.10; No. 4, 85¢@90¢. Corn—No. 2 white, nominally 61¢@61½¢; No. 3, nominally 59½¢@60¢; No. 2 yellow, nominally 61¢@62¢; No. 3, nominally 60¢@62¢; No. 2 mixed, nominally 60¢@60½¢; No. 3, nominally 58½¢@60¢; No. 4, 60¢. Oats—No. 2 white, nominally 37¢@37½¢; No. 3, 36½¢; No. 4, 35½¢; No. 2 mixed, nominally 34¢@35½¢; No. 3, nominally 32½¢@34¢. Bran—Nominally 84¢@85¢. Shorts—Nominally 81¢@81½¢. Rye—No. 2, nominally 92¢@93¢. Seed—A cwt., alfalfa, \$14.00@16.50; clover, \$13.50@17.00; timothy, \$5.50@6.50; cane seed, 90¢@1.00; millet, German, \$1.50@1.75; common, \$1.25@1.50.

## Butter, Eggs and Poultry.

Eggs—Extras, new white wood cases included, 31c a dozen; firsts, 28c; seconds, 22c.

Butter—Creamery, extra, 28c a pound; firsts, 26c; seconds, 25c; pound prints, 10 higher; packing stock, 19c.

Live Poultry—Broilers, under 2 pounds, 16c; springs, 2 to 3 pounds, 14½¢; 3 pounds and over, 11½¢; hens, No. 1, 11c; roosters, young, 11c, old 8½¢; turkey hens and young toms 15c, old toms 13c; ducks, 11½¢; geese, 9c.



# BIG BARGAINS IN REAL ESTATE

Dealers whose advertisements appear in this paper are thoroughly reliable and the many bargains are worthy of your consideration

**Special Notice** All advertising copy must be in the hands of the publisher at least 10 days before publication. Copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

**WRITE PAPES**, Mulvane, Kan., for list of dairy farms near big milk condensary.

**IMP.** 40, all cult.; lays good, \$3200; 3 1/2 mi. out. Becker & Booth, Valley Falls, Kan.

**160 A.** Hamilton Co. raw grass land, \$4.50 a. No trade. Walter & Patton, Syracuse, Kan.

**1920 A.** 10 mi. Meade, 700 a. farm land, bal. pasture, \$12.50 a. G. W. Day, Meade, Kan.

**IMP. FARMS**, alfalfa, corn and wheat lands \$50 up. Mott & Kohler, Herington, Kan.

**FREE!** Illustrated booklet describing richest soil in Kan. Hoxey Land Co., Columbus, Ks.

**480 A. ALL GRASS.** Every acre can be cult. \$12.50 per acre. Box 215, German Colonization Co., Plains, Kansas.

**FOR BUSINESS**, homes or farms at Baldwin, Kan., seat of Baker University, write D. E. Houston & Co. Some trades.

**WHEAT, OATS, CORN, ALFALFA** lands. Famous Summer County, Kansas. 1/2 wheat with farms. H. H. Stewart, Wellington, Kan.

**1/2 SEC.** 200 cult., 20 alfalfa, bal. pasture, well improved, spring and well. \$18,000. Terms. Hill & Murphy, Herington, Kan.

**IMPROVED** choice 240 a. 4 mi. Preston, Pratt Co., Kan. 210 a. wheat, all goes to purchaser. Price \$14,500. \$7,500 cash, no trades. Chas. E. Dye, Preston, Kan.

**160 A.** improved, good upland farm, 4 miles out; \$55.00 a. Easy terms. J. M. Conlan, St. Marys, Kansas.

**1,440 ACRE RANCH**, improved, \$10 per acre, terms. 890 acre ranch near city, \$15. Cliff Tomson, Syracuse, Kan.

**NORTHEAST KAN.** Good improved farms in bluegrass section, \$60 to \$100. Send for list. N. Compton, Valley Falls, Kan.

**NICELY IMPROVED** 160 a. farm close to Catholic town; new railroad building. J. H. King, Cawker City, Mitchell Co., Kan.

**320 ACRES FOR SALE.** 260 acres wheat, balance pasture; near town and school. For the price and terms write H. M. Snare, Coldwater, Kansas.

**160 A.** 2 mi. from R. R. town; 80 a. corn, 10 a. alfalfa, 15 a. hog pasture, bal. pasture and meadow; 6 room house, good barn; well and cistern. Very cheap, if sold soon. \$45.00 per acre. Rosenquist & Renstrom, Oange City, Kan.

**TREGO CO.** 160 acres 8 miles from Ransom, 80 acres in cultivation, 80 acres fine grass; 40 acres more tillable, on main road and telephone line. Don't wait to write, come and see this. Price \$15,000.00. V. E. West, Ransom, Kansas.

**BUYERS** for 1, 1/2 and 1/4 sections of cheap farm land in western counties of Kansas. On new line of railroad preferred. Write me what you have; price and terms. Tyler Mullins, Elkhart, Kan.

**MUST SELL ACCOUNT OTHER BUSINESS.** Can't look after alfalfa and crops. 160 acres, good land, good location, good roads, close to town, R. F. D., and telephone. How much can you pay down and what time do you want on the remainder? Price \$8,000. Arthur Rich, Fredonia, Kansas.

**FOUR CHANCE.** 160 acres, 4 mi. from Peabody. All extra good land under plow; good 7 room house. Good barn 40x60; scales, granary, etc. Nice shade. School 1 mi. Bargain for short time at \$70 per a.; time on \$7000. Mollohan Land Co., Peabody, Kan.

**160 ACRES**, 5 miles of Ottawa, every acre nice, smooth, tillable land; 60 acres in fine blue grass, timothy and clover pasture; 14 acres alfalfa; 25 acres timothy and clover meadow, good 1 1/2 story, 9 room house, good barn, chicken house, hog house, corn crib for 5000 bushels of corn, fenced hog tight. Price \$75 per acre. \$3,000 cash, remainder long time at 6%. Casida & Clark, Ottawa, Kansas.

**800 ACRE TRACT NICE WHEAT LAND.** \$4000. Terms. J. A. Jackson, Syracuse, Kan.

**FIVE FARM BARGAINS.** Write just what you want. Frank H. Burnett, Benedict, Wilson County, Kansas.

**BEST FARMING AND PASTURE LAND** in southern Kansas, prices from \$20 to \$50 per acre. Write for list. Greene, Longton, Kansas.

**160 A.** 3 1/2 MI. OUT. IMP. FAIR. 130 cult., 30 grass, good water, fenced. Second bottom. \$10,500. Mfg. \$4,000, 6%. Ed A. Davis, Minneapolis, Kan.

**WE OWN 13,600 ACRES IN FERTILE** Pawnee valley, smooth as a floor; best alfalfa and wheat land on earth; five sets of improvements; shallow water; will sell 80 acres or more. Frizell & Ely, Larned, Kansas.

**Improved 480 Acre Bargain** 190 a. in cult., 110 a. fine meadow, 175 a. blue stem pasture; rich soil. A big snap. Price \$30 per a. Worth \$50. M. T. Spang, Fredonia, Kansas.

## 2—Rare Bargains—2

Choice level 160 a. farm, \$4 a. cash. Also well imp. alfalfa farm 168 a. Perfect title. Immediate possession. \$50 a. Terms. Western Real Estate Exchange Co., Syracuse, Ks.

## STOCK FARM—240 ACRES

18 mi. Topeka, 3 mi. R. R. town, 40 a. bottom, 80 a. pasture, 25 a. wheat, some alfalfa, orchard, 7 r. house, barn, 40 head stock, sheds, corrals, feed cooker, windmill, wells, spring, pond, \$60 a. Terms. No trade. J. E. Torrington, 106 W. 6th, Topeka, Kan.

## Biggest Ranch Bargain in Kansas

5,274 acres, Butler Co. Over 3,000 acres beautiful, level, rich, tillable and all finest blue stem, limestone pasture, one body. Timber and everlasting water. \$21. V. A. Osburn, El Dorado, Kansas.

## 80 Acres Only \$750

South of Wichita near Wellington; all good upland soil; good bldgs.; fruit; alfalfa; only \$3,000; \$750 cash, \$750 March 1st. R. M. Mills, Schweitzer Bldg., Wichita, Kan.

## CHASE COUNTY STOCK RANCH

640 acres 2 miles from shipping point. 100 acres best creek bottom, 75 acres alfalfa, timber, creek, 540 acres best bluestem pasture, running water, splendid improvements. No overflow, no gumbo, best combination in the county. Price \$25,000.00. Liberal terms. J. E. Beacock & Son, Cottonwood Falls, Kansas.

## Make Big Money With Cows

64 a., joining city, well improved, fitted up for dairying, all tillable, all in fine clover and blue grass. Cheap alfalfa hay on neighboring farms. A big money maker. Fine markets, in gas, oil, coal and zinc towns. Owner quitting because of age offers this for \$5000, on easy terms. Write D. H. Wallingford, Mound Valley, Kan.

# LANE CO.

If you want to buy a farm or ranch, in the coming wheat, corn and stock country of the West, write me as we have bargains from \$8.00 to \$25 per acre. Both improved and unimproved. Let me know what size farm you want and how much you want to pay on the same. W. V. Young, Dighton, Kansas.

# FOR SALE OR EXCHANGE

**LANDS TO TRADE** for general merchandise. J. M. Denning, Park, Kansas.

**TRADES EVERYWHERE.** Exchange book free. Bersie Agency, El Dorado, Kan.

**LANDS** for sale and exchange for western lands. John Goff, Willow Springs, Mo.

**260 ACRES** timber, agriculture land; close to god town. \$2600. Weaver, Seligman, Mo.

**FARMS** and land to exch. for mdse. or income property. C. L. Kraft, Little Rock, Ark.

**240 ACRES** all bottom land, well imp., to trade. Youngs Realty Co., Howard, Kan.

**E. KANSAS** farms in Catholic settlements. Exc. Frank Kratzberg, Jr., Greeley, Kan.

**IMP. FARMS**, some in Catholic settlement. Exc. Severn & Hattick, Williamsburg, Kan.

**BEST** exchange book in U. S. 1,000 nonest trades. Graham Bros., Eldorado, Kan.

**BIGHAM & OCHILTREE** sell and trade best corn, alfalfa, wheat land in U. S. Write for list. 116 N. 6th, St. Joseph, Mo.

**HEADQUARTERS** for best wheat and alfalfa lands in Kansas; will exchange and assume. Jones Land Co., Sylvia, Kansas.

**FINE ALFALFA**, wheat, corn and pasture land for sale or trade, cheap. Write L. S. Hoover, Eureka, Kan.

**LAND** and mdse for sale or exchange. Co-operative Realty Co., Humansville, Mo.

**IMPROVED** and unimproved farms and ranches for sale or trade. Send for list. Bader & Webster, Junction City, Kan.

**THREE** highly improved alfalfa and grain farms, eastern Kansas; encumbered one-third value. Want cash or clear property. Nathan Tate, Howard, Kansas.

**FARMS.** 160 a. 3 1/2 mi. of Lawrence, Kan. 120 acres 2 1/2 miles of Ottawa, Kan. 160 acres 1 1/2 miles of Hallowell, Kan., to exchange for clear western Kansas land. Write owner, J. C. McCanles, Lawrence, Kan.

**TO EXCHANGE** QUICK for mdse. General stock preferred. 720 a. of all smooth, unimproved land located in Lane Co., Kan. No better soil in the state. Approximate value \$21 per a. I have all kinds of wheat and alfalfa land for sale. Address C. F. Edwards, Ness City, Kansas.

**RETAIL STORE MAKING GOOD MONEY.** Want land west of Hutchinson. Hugh Conner, Hutchinson, Kan.

**LAND** \$15 to \$35 an acre; with corn making 80 bu. to acre; wheat 20 to 40; all other crops good. Send for literature. Buxton & Rutherford, Utica, Ness Co., Kan.

## A Few Bargains

4000 acre ranch for sale, Western Kansas, \$6 per acre. 180 acres, unimproved bottom land Trego Co., \$10 per acre. 180 acres Ellis Co., small improvements, \$1800; good terms. 160 acres Gove Co., \$1700 cash. 160 acres bottom land, improved, 1 mile Ellis, \$60 acre, small payment, long time on balance. 320 acres, improved, near Oakley, 220 acres wheat, 1/2 goes to purchaser, price \$8000. 80 acres, well improved, near Salina, \$8000. Owner will take 1/2 in trade for the above two tracts and give good terms on balance. Want clear residence, suburban home or grocery stock. Write us what you want. Lands bought, sold and exchanged. Western Real Estate Co., Ellis, Kan.

## Two Great Bargains

640 acres, 5 miles from Garden City, in Arkansas Valley; all irrigated from Garden City ditch, Great Eastern Reservoir and large pumping plant, insuring plenty of water at all times. 400 acres good stand of alfalfa. Will raise finest crops of anything adapted to this section. Two sets of improvements. Will sell all or half. Price, \$115 per acre.

Also the best 1500 acre ranch in Western Kansas; 8 miles west of Syracuse, along Arkansas River. 400 acres wild hay, 40 acres alfalfa, 60 acres Sweet clover; fine shelter. Abundant summer and winter pasture. Price \$20.00 per acre or will trade for Illinois land. Liberal terms will be made on either of these places. Address

Geo. A. Caldwell, Decatur, Illinois

## Ness County Lands

Good wheat and alfalfa lands at \$15 to \$25 per acre. Fine crops of all kinds in 1914 and better crops in 1915. No better soil in Kansas. Land in adjoining counties on the east \$40 to \$75 per acre. Buy here while land is cheap. Write for price list, county map and literature. No trades. Floyd & Floyd, Ness City, Kansas.

## CALIFORNIA

**FOR SALE**—40 acre fruit farm, \$20,000.00, half cash, balance, terms. Income \$75.00 per acre. Box 31, Reedley, Fresno Co., Calif.

**80 ACRE FARM**, Howell county, Missouri, for sale cheap. Farms, city property and merchandise everywhere for sale and exchange. Write us your wants. J. W. Brown, State Savings Trust Co., Springfield, Mo.

**160 A.** 1/2 mi. Soldier, Kan. All in cultivation; 4 r. house, small barn, good well; land lays good. Price \$12,000, mtg. \$5000 at 9%. Owner will trade equity for stock of mdse. 160 a. in Sheridan Co., 50 in cult., bal. grass. 3 1/2 mi. from Guy, \$8200, mtg. \$750; will trade equity for rental property. N. Rasmus, Wetmore, Kan.

**240 ACRES**, Riley Co., well improved, 120 in cultivation; 4 1/2 from town. Price \$15,600. Mtg. \$3000; for grass or dairy farm near good town. 7 room, modern dwelling in Mineral Wells, Tex. \$5,500 clear for 80 or equity in quarter. J. C. Weaver, Wakefield, Kan.

## FOR SALE OR EXCHANGE

A splendid shallow water relinquishment. A bearing vineyard, good bearing orchard. A 320 acre irrigated alfalfa farm must be disposed of on account of mortgage. Olney Realty Co., Olney Springs, Colo.

**TRADE YOUR SHORTHORNS FOR LAND.** We have several good farms both improved and unimproved, priced to sell and will accept registered Shorthorn cattle as part or whole pay. If interested write today for description of land. Jacob C. Good, Owner, Chickasha, Okla.

**360 A.** fine valley land well located, splendid stock and grain farm, about 30 a. fine timber, no rock or gravel. Price for quick sale \$61 per acre.

120 a. 3 1/2 mi. Ottawa, good buildings, good soil, splendid water, fine shade, yard, beautiful home proposition. Priced right for immediate sale. Write for free booklet describing farm bargains. Mansfield Land Company, Ottawa, Kansas.

## Homes in the Ozarks

160, well improved, \$2400. 120, well impr., \$1200. 40 a. well improved, \$600. 4400 acres best unimproved land in state for sale cheap or exchange. Write us for lists and particulars. Ozark Realty Co., Ava, Mo.

## GOOD FARM NEAR LIBERAL

160 acres, mixed land, 7 miles from town. 120 acres in cultivation. Small house, well and windmill. About 100 acres in spring crop, one-fourth goes with the land. Price \$4500; will carry \$1000 on land three years and take in good livestock or rental property for part. Must have not less than \$1500 cash. Write for list of other lands. Land-Thayer Co., Liberal, Kansas.

## ARKANSAS

**FOR CHEAP CORN**, alfalfa and truck farms write W. L. Perkins, Ashdown, Ark.

**WHITE DOWELL** Land Company for bargains in Arkansas lands. Walnut Ridge, Ark.

**ALFALFA**, cotton and corn farms. Easy terms. S. P. Thompson, Marked Tree, Ark.

**DO YOU WANT** to buy, sell or trade land, houses, mdse., anywhere? Owners only, no commission. C. B. Maney, Bentonville, Ark.

**ARKANSAS LAND.** Write us for prices and information about our products. H. H. Houghton & Son, Jonesboro, Arkansas

**200 A.** Impr. Part valley; 60 a. cult., 2 1/2 mi. railroad, \$20.00 acre. Terms. C. L. Kraft, Little Rock, Ark.

**260 ACRES**, well located, well improved farm. Price \$6000; \$1000 cash, terms on balance. P. M. Thompson, Ft. Smith, Ark.

**NEW RAILROAD**, new town, cheap lands in the Ozarks. For information write C. C. Feemster, Immigrant Agent for the Ozarks Railway Co., Mountain Home, Ark.

**160 ACRES**; 25 cultivated; 45 can be; well improved; orchard; good timber; well watered; 1/2 mi. school; 1 1/2 mi. railroad. Price \$750. Free list. W. J. Copp, Calico Rock, Ark.

**160 A.** black sandy loam, 1/2 in cultivation. Grow corn, wheat, oats, alfalfa, cotton, 40 acres. Pike and railroad. Polk Real Estate Co., Little Rock, Ark.

**478 A.** STOCK and grain farm, 100 bottom cultivated, houses, barns; water power. \$10.00, terms. Farm list free. Ward, The Land Man, Mtn. Home, Ark.

**WRITE FOR FREE "WARRANTY DEED"** of farm bargains, improved, \$4.00 per acre and up. New Home Land Co., Opposite Union Station, Little Rock, Ark.

**OZARK COUNTRY HOMES.** The Yellville News & Mining Reporter tells about them. Also of Ark. Zinc Field. Correct information weekly, \$1 a year. Get posted before you come. Address, Yellville, Ark.

**ARKANSAS**—5,000 acres, fine level valley land; any size tract \$6 to \$12 per acre; third cash, bal. 9 yearly payments. Write for literature. Shaeffer Land Company, 641 Reserve Bank Bldg., Kansas City, Mo.

**1,000 ACRES** in high fertile valley; 300 acres in cultivation. Unlimited stock range. Spring water and railroad through farm. \$15.00 per acre. Will divide. L. P. Coleman, Little Rock, Ark.

**180 ACRES**; 160 cult. 5 room res. 4 room tenant house; very rich loam. 6 miles of Jonesboro; rock road, R.F.D., phone. One of the best farms in Arkansas for the money. Price \$40.00 per acre. Terms. Southern Land & Loan Co., Jonesboro, Ark.

**FARMS** as low as \$5 and \$10 per acre, located at the foot hills of the Ozark Mountains, in Independence Co., Ark. Description sent for the asking. Wright Half-acre Real Estate Co., Batesville, Ark.

**320 ACRES WELL IMPROVED.** 6 miles of Clarksville, the county seat of Johnson Co., Ark. All under fence, about all in cultivation, 3 sets houses, barns; 3 fine ever-flowing springs; ideal grass and farming land. Good for stock farm. Price for quick sale, \$4,000. M. S. Park, Clarksville, Ark.

**WE PAY RAILROAD FARE** To Arkansas special land sale. Sell 40 a. or more, 14,000 a. in tract. Good level land, near large city. Good market, railroad, automobile pike. No rock, no swamps; very healthy. \$10 per a., easy terms. Refund money paid any time during purchase period if dissatisfied, or will loan purchase money 3 years 8% int. for improving land. Bank guarantees fulfillment of contract. Alexander & Son, Little Rock, Ark.

**Arkansas** 180 acre farm, 40 a. in cultivation; bal. in grass. One 4 room house, 1 1/2 mi. from town. Every acre can be cultivated. \$7.00 acre. Clouds Land Co., Ashdown, Ark.

## COLORADO

**POOR MAN'S CHANCE.** Fine imp. 320 a. Kit Carson Co., Colo. \$5000, terms. O. W. Gale, 166 N. Nevada, Colorado Springs, Colo.

**FOR SALE:** Fruit tracts and irrigated farms in Northern Colorado. Write me what you want. A. H. Goddard, Loveland, Colorado.

**BIG** rush for homestead relinquishments \$5 acre. Deeded rainbelt lands \$15 up. Irrigated land \$60 up. Town lots \$100 up. Easy terms. Colorado Colony Co., Sterling, Colo.

**25 BU. WHEAT LAND** from \$5 to \$15 per acre in tracts to suit. Particulars. Pinkham & Davis, Holly, Colorado.

**320 A.** 10 mi. Yoder; 1/2 mi. school, store and P. O. Adjoining land held at \$25; on line proposed interurban Ry. Price \$12.50. Horace Meloy, Calhan, Colorado.

**175 HEAD** well bred two-year-old feeding steers \$6.50 per 100 pounds, weighed at Deer Trail, Colo. 160 acres fine wheat land \$25.00 an acre; 1/2 cash, bal. 3 years 6%. Harry Maher, Deer Trail, Colo.

**SOME GOOD COLORADO FARMS.** 280 a. improved, some timber, snap, \$4200. 75 a., 8-room house, barn, living water, joins town, 2 R. R., creamery, sacrifice, \$2600. 5 a. choice alfalfa, suburban home \$750. Write Keen Bros., Pueblo, Colo.



## MISSOURI

**WRITE J. H. Wright, Marshfield, Missouri,** for farm lists of good farms.

**STOP; LISTEN!** 80 a. impr. farm \$885. Views; other farms. McGrath, Mtn. View, Mo.

**BARGAINS** in high class farm near Kansas City. Some Exc. L. W. Kircher, Cleveland, Mo.

**KEBAN & WEGNER**, real estate, Lockwood, Mo. Write for information, English or German.

**160 A.** well imp. Well and spring. 60 a. cult. bal. timber. R. F. D. and phone. \$17.50 a. Terms. J. A. Hunt, Marshfield, Mo.

**120 ACRES**, 3 miles out. Lays fine. Eight room house; large barn; fruit; tame grass for stock and dairy purposes. \$45.00 a. Terms. Baker Inv. Co., Mountain Grove, Mo.

**POOR MAN'S CHANCE**—\$5 down, \$5 monthly buys 40 acres good land; near town; some timber, healthy location. Bargain price \$200. Box 425-O, Carthage, Mo.

**160 ACRES**, 1 ml. of good R. R. town near Cape Girardeau; well improved. Produces 75 bu. corn, 5 cuttings alfalfa. Best land in U. S. Climate excellent; health good. \$50 per a. Warren L. Mabrey, Jackson, Mo.

**5 AND 10 ACRE TRACTS** on county road, close to Branson, on Lake Taneycomo, all in cultivation or part timber. Terms to suit. York Development Co., Branson, Mo.

**PLEASANT HOMES IN MISSOURI OZARKS** 80 acres, house, barn, spring; only \$700. I own and control 10,000 acres, any size tract. Easy terms, good water, climate unexcelled. Frank Hays, Ava, Mo.

## Methodist Farms

We have a large list of bargains for Methodist families wanting homes in the Ozarks. Write for lists, etc. Methodist Land & Colonization Co., Box 234, Steelville, Mo.

**SOUTHEAST MISSOURI LANDS**—If you want to become independent, buy lands in Southeast Missouri, in the rich drained lands that raise anything and raise it certain. All I ask is a chance to "SHOW YOU." Prices are very reasonable. No trades considered. Write for literature and information. F. S. Bice, Oran, Missouri.

## OKLAHOMA

**FOR SALE:** 80 acres. \$20.00 acre. Bargain. R. H. Waters, Anadarko, Oklahoma.

**OKLA. LANDS.** 40 to 500 a. tracts. Write for list. Roberts Realty Co., Nowata, Okla.

**CHOICE Oklahoma lands** at attractive prices. Address C. W. Smith, Kingfisher, Okla.

**FOR INFORMATION** about lands and loans write Jordan Land & Loan Co., Pauls Valley, Oklahoma.

**F. M. TARTON & CO.**, will mail you list of farms in northeast Oklahoma. Write them. Vinita, Oklahoma.

**FINE GRAZING AND FARM LANDS** for sale in Eastern Oklahoma. Write J. L. Shinnaber, McAlester, Oklahoma.

**550 ACRES**, 200 cult., 150 rough timber pasture, imp. Joins station. Good water. \$27.50 a. C. M. Smith, Crowder, Okla.

**40 A.** 7 ml. McAlester, 25 a. cult., fenced hog tight. 5 room house, barn, 2 wells, orchard. Corn made 50 bu. per a. \$21 per a. Terms. Southern Realty Co., McAlester, Okla.

**WE HAVE 40 FARMS TO SELL;** 10 a. to 1000 a. Three ranches, cheap land, 1000 to 20,000 acres. Correspondence solicited. Ref. any bank in Pittsburg County. Crowder R. E. Co., Crowder, Okla.

**CHOICE CORN and alfalfa bottom lands,** fine upland farms, also grazing land. Write today for list of Oklahoma Bargains. Major Bros., Chickasha, Okla.

**BUY NOW** from owner, best 650 a. farm (will divide) in Oklahoma, 3 ml. from Vinita. Well improved; strong, level land; 3 sets of buildings. W. M. Mercer, Aurora, Ill.

**BEST LOCATED** improved alfalfa, grain, dairy, hog and poultry quarter. 70 acres alfalfa, fifty spring crop; orchard; running water; mile to Jefferson. Price \$16,000. John Rogers, Jefferson, Okla.

**640 A.** wheat and alfalfa farm in Canadian Co., Okla. 4 miles east of El Reno; 500 acres in cultivation, bal. in alfalfa and pasture. Improvements are good. \$65 a.; terms. H. H. Medlen, Box 1064, Muskogee, Okla.

## Oklahoma Land For Sale

Good land in Northeastern Oklahoma; price from \$20.00 to \$35.00 per acre. Write for price list and literature. W. C. Wood, Nowata, Okla.

## SEE THIS

160 acres 1 1/2 miles out—good soil and water—fair improvements—120 sowed to wheat, price only \$3500—good terms. Free list and map. Perry DeFord, Oakwood, Okla.

## QUICK PROFITS

The big crop, the big war and everything points to another of the booms in land such as have made thousands of men rich. Good land is yet to be had at ten dollars per acre and up in Oklahoma, youngest of the agricultural states. Come and see. Frank Meadows, Hobart, Okla.

## SOUTH DAKOTA

## South Dakota Lands

On corn, alfalfa and grain land, South Dakota gets as large an acre yield as states farther east where land is priced two to three times as high. The price raised every year and now is the time to buy. For State bulletins address Department of Immigration, Capital ES, Pierre, S. D.

## NEBRASKA

**I HAVE FINE ALFALFA FARMS** in tracts from 160 acres to 1000 acres, and best corn and wheat land at prices from \$8 to \$30 per acre. These prices will not last long. Write me today. A. T. Cowings, Benkelman, Neb.

## WISCONSIN

**30,000 ACRES** cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhinelander, Wis.

## IDAHO

**CROPS ARE SURE IN IDAHO** 600 acres all cultivated. Best wheat section in Northwest. \$40.00, terms. Other bargains on hand. Tell us your wants. H. W. Arnold & Co., Boise, Idaho.

## MONTANA

**GET A HOME** in the Famous Yellowstone Valley, Montana. Bumper world's prize winning crops every year. Investigate; write for booklet just issued. The Cartersville Irrigated Land Company, Fremont, Neb.

## SOUTH AMERICA.

**YOU CAN GET** free ranch in South America by assisting in paying expenses to secure million acre concession. Rich soil, fine climate. Highest references. Map 25c. Box 498, Sawtelle, Calif.

## NEW YORK

**WE SELL WELL IMPROVED FARMS** growing big crops, in Central New York, for less money than you pay for raw, inferior land out West. Come now and see for yourself. McBurney & Co., 309 Bastable Block, Syracuse, New York. Or ask McBurney & Co., 703 Fisher Bldg., Chicago, Ill., to mail you free list of New York farms for sale.

## Old Age Forces Sales

165 acres, 12 acres wood and timber, 6 room house, water at house and barns; 2 barns, basement with 40 cow stalls; house papered, painted and plastered. Carriage house; granary, hog house, hen house, smoke house, school, church, creamery 1/2 mile. Hay, grain, stock, tools included. 8 cows, two horses, young stock. Wagons, plows, harrows, mower, rake, grain drill, harness, sleighs, everything. \$5000; part cash. Hall's Farm Agency, Owego, Tioga Co., N. Y.

## MINNESOTA

**MINNESOTA STOCK FARM.** 640 acres good level land, black loam, deep clay subsoil. Every foot plow land. 400 acres under cultivation, 80 a. red clover, 30 a. timber, balance upland hay and pasture. Good 7 room house, 2 large stock barns, 2 wells with windmill, 10,000 bu. granary, blacksmith shop, hog barns, machinery shed. Near school, church and creamery. Only \$35 per acre on terms. W. J. Westfall Land Co., 740 Plymouth Bldg., Minneapolis, Minn.

## FARM LOANS

**FARM AND CITY MORTGAGES** a specialty. Write us if you wish to borrow. Perkins & Co., Lawrence, Kan.

**FARM LOANS**, Missouri, Kansas, Oklahoma and Arkansas, low rates, liberal privileges, most favorable terms. No delay. You get all you borrow. The Deming Investment Co., Oswego, Kan. Branch offices: Wichita, Kan.; Oklahoma City, Muskogee, Durant, Okla.; Little Rock, Ark.

## TEXAS

**POSITIVE PROFITS** on the Panhandle plains. The best cheap land proposition on earth. Our bumper crops will prove it. Write at once for descriptive folder. J. N. Johnson Land Co., Dalhart, Tex.

**TEXAS FARM FOR SALE BY OWNER.** Well imp. 300 a. farm in rainbelt zone ml. from good town on R. R. \$25.00 per third cash, bal. suit purchaser. Excellent crops now on farm. Oil well being drilled in town. J. O. Ehlinger, Owner, Box 1307, Houston, Texas.



## Horse Book

**FREE**

Here is a book that should be in the hands of every horse owner! Admittedly the greatest book on the subject ever written and practically worth its weight in gold to horse owners and livestock breeders. 620 large pages profusely illustrated. Part 1 deals in plain language with the theory and practice of Veterinary Science—Diseases of Horses, Cattle, Sheep, Poultry, Swine and Dogs—with tested and proved remedies. Part 2 contains Prof. Gleason's famous System of Horse Breaking, Training and Handling. Gleason's skill in training and treating horses is known throughout the entire world and he is considered the world's greatest authority in this field.

**Our Great Offer!** By a special arrangement we are able for a limited time to offer "Gleason's Horse Book" absolutely free—postage prepaid—to all who send \$1.00 to pay for a one-year—new or renewal—subscription to our big farm weekly. Send your name and \$1.00 at once. Mail and Breeze, Dept. H-10, Topeka, Kansas

When writing to advertisers please mention the Farmers Mail and Breeze.

## WHAT BREEDERS ARE DOING

**FRANK HOWARD,** Manager Livestock Department.

## FIELDMEN.

A. B. Hunter, S. W. Kansas and West Okla., 614 So. Water St., Wichita, Kan.  
John W. Johnson, N. Kansas and S. Nebraska, 820 Lincoln St., Topeka, Kan.  
Ed R. Dorsey, North Missouri, Iowa and Illinois, Cameron, Mo.  
Jesse R. Johnson, Nebraska, 1937 South 16th St., Lincoln, Neb.  
C. H. Hay, S. E. Kan., So. Mo. and E. Okla., 4204 Windsor Ave., Kansas City, Mo.

## 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.

## Jacks and Jennets.

Nov. 15—W. H. Romjue, Atlanta, Mo.  
Dec. 14—Hineman & Hutchins, Sterling, Kan.  
Dec. 14—H. T. Klineham, Dighton, Kan., and D. J. Hutchins, Sterling, Kan. (Sale at Sterling, Kan.)  
March 7 and 8—L. M. Monsees & Sons, Smithton, Mo.

## Percheron Horses.

Dec. 16—J. C. Robison, Towanda, Kan.  
**Percherons and Other Draft Breeds.**  
Jan. 25, 26, 27, 28—Breeders' Sale Co., Bloomington, Ill.; C. W. Hurt, Mgr., Arrowsmith, Ill.

## Shorthorn Cattle.

Nov. 30—Levi Eckhardt, Winfield, Kan.  
Jan. 20—Richard Roenigk, Morganville, Kan., at Clay Center, Kan.  
Feb. 5—Frank Uhlig, Falls City, Neb.  
March 23—Ben Lyne, Oak Hill, Kan. Sale at Abilene, Kan.

## Holstein Cattle.

Nov. 17—J. U. Howe, Wichita, Kan.  
Nov. 13—Mott & Seaborn, Herington, Kan.  
Dec. 16—John Weinert, Falls City, Neb.

## Hereford Cattle.

March 4—Carl Behrent, Oronoque, Kan. Sale at Norton, Kan.

## Poland China Hogs.

Nov. 15—W. Z. Baker, Rich Hill, Mo.  
Jan. 14—J. G. Burt, Solomon, Kan.  
Jan. 18—D. C. Lonergan, Florence, Neb.  
Jan. 21—A. F. Blinde and Geo. Brown; sale at Auburn, Neb.  
Jan. 25—A. J. Swingle, Leonardville, Kan.  
Jan. 25—W. J. Crow, Webb, Ia.  
Jan. 26—J. L. Griffiths, Riley, Kan.  
Jan. 28—S. E. Wait, Blue Mound, Kan.  
Jan. 31—S. A. Nelson & Sons, Malcolm, Neb.  
Feb. 1—W. Z. Baker, Rich Hill, Mo.  
Feb. 2—Frazer Bros., Waco, Neb.  
Feb. 3—H. J. Beall and Wisel Bros., Roca, Neb.  
Feb. 4—J. A. Godman, Devon, Kan.  
Feb. 5—Fred B. Caldwell, Howard, Kan.  
Feb. 9—C. A. Lewis, Beatrice, Neb.  
Feb. 10—Wm. McCurdy, Tobias, Neb.  
Feb. 15—K. S. A. C., Manhattan, Kan.  
Feb. 16—Ed Sheehy, Hume, Mo.  
Feb. 16—Herman Groninger & Sons, Ben-Gena, Kan.  
Feb. 17—H. C. Graner, Lancaster, Kan.  
Feb. 18—H. B. Walter, Effingham, Kan.  
Feb. 18—J. H. Harter, Westmoreland, Kan.  
Feb. 23—F. E. Moore & Sons, Gardner, Kan.  
Feb. 25—A. J. Erhart & Sons, Ness City, Kan. Sale at Hutchinson, Kan.  
Feb. 27—Ben Anderson, Lawrence, Kan.  
Feb. 29—E. M. Wade, Burlington, Kan.  
March 4—Carl Behrent, Oronoque, Kan. Sale at Norton, Kan.  
March 1—W. V. Hoppe & Son, Stella, Neb.  
March 23—Ben Lyne, Oak Hill, Kan., Abilene, Kan.

## Duroc-Jersey Hogs.

Nov. 17—Lant Brothers, Dennis, Kan.  
Nov. 17—J. U. Howe, Wichita, Kan.  
Nov. 17—Mott & Seaborn, Herington, Kan.  
Nov. 23—R. W. Baldwin, Conway, Kan.  
Dec. 15—John O. Hunt, Marysville, Kan.  
Jan. 24—Geo. Briggs & Sons, Clay Center, Neb.  
Jan. 25—J. C. Boyd, Virginia, Neb.  
Feb. 2—Martin Kelly, Verdun, Neb.  
Feb. 4—W. M. Putman, Tecumseh, Neb.  
Feb. 5—J. H. Proett & Son, Alexandria, Neb.  
Feb. 15—K. S. A. C., Manhattan, Kan.  
Feb. 23—R. W. Baldwin, Conway, Kan.  
Feb. 24—J. M. Layton, Irving, Kan.

## Chester White Hogs.

Feb. 24—J. M. Layton, Irving, Kan.

## S. W. Kansas and W. Oklahoma

BY A. B. HUNTER.

J. U. Howe, Wichita, Kan., will sell Wednesday, November 17, 82 head of registered Duroc-Jersey hogs and five head of Holstein cattle. These hogs are bred right and fed right to do good for whoever buys them. They are all immunized by double treatment. The real fieldnote regarding this offering you will find by turning to his display advertising. If you want good bred sows or gilts or a good young boar or a herd boar of unusual merit, you will very likely find what you want in this sale. Do not fail to read his display advertising in this issue.—Advertisement.

## Hull's Duroc-Jersey Offering.

D. W. Hull of Americus, Kan., has a card announcement in this issue of Farmers Mail and Breeze in which he is offering choice Duroc-Jersey spring pigs. These pigs are sired by High Cherry Col., by Cherry Col., by Tippy Col., and out of High Lottie, by High Col. The dams of the pigs are by Billie the Twister, Taylor's Model Chief and Crimson Wonder. Again, Mr. Hull's herd boar and bred sows carry the very best and most popular blood lines. The pigs are nicely grown and will suit any of our readers who will place an order with Mr. Hull. Write him about prices

and further particulars and kindly mention Farmers Mail and Breeze.—Advertisement.

## Coming Shorthorn Dispersion.

Levi Eckhardt, Winfield, Kan., will sell at auction, Tuesday, November 30, his entire herd of Shorthorns, consisting of 180 head. Mr. Eckhardt has sold his ranch and these cattle must sell. Included in the offering will be 80 mature cows, 15 2-year-old heifers, 20 yearling heifers and 40 young bulls, 8 to 23 months old, also 25 heifer calves 8 to 14 months old. Mr. Eckhardt has been a breeder of Shorthorns for 30 years. He founded a working dairy herd of Shorthorns in the state of Wisconsin from which a number of the older females of his present herd were drawn. On this Wisconsin herd were used sires such as Forest Pride, a sire that produced such beef and milking qualities combined that he was retained for eight successive years, Sylvan Champion, a J. H. Miller bred bull, the show bull Debonair, Pride of Crawford, Silver Crown, and others of like note helped to lay the foundation of this great milk and beef producing herd. On these females Mr. Eckhardt has been using for the last few years such sires as Rosewood Dale, by the great Avondale and Satin Royal, by Choice Archer. Rosewood Dale's dam was the imported Rosewood 92d. Over 75 head of the younger animals are by this son of the great Avondale, and a very large part of the breeding females offered are now safe in calf to him. His calves show that thick fleshed true Avondale type, so much admired. These cattle have been raised under modern ranch methods and will be ready to respond to feed and care and be money-makers for whoever buys them. If you want Shorthorns you cannot afford to miss this great sale. Send your name today for catalog and arrange to attend. Please mention the Farmers Mail and Breeze.—Advertisement.

## A Bouquet of Shorthorns.

H. C. Lookabaugh, Watonga, Okla., has for several years been selecting breeding Shorthorn females from the best families and regardless of price. The best that the herd books show and the very best produced by the leading American breeders have been selected and retained on the Pleasant Valley Stock Farm which is today the home of such noted Shorthorn females as Lady Fragrant, the mother of Radium, Village Flower 2d, by imported Villager, Lord's Violet by Lavender Lord and Isabella, the grand champion Shorthorn female that won sweepstakes over the four beef breeds at Nebraska State Fair, 1914, and one of the wonderful features of this great herd is the large number of these outstanding producing females found in the herd. The writer recently saw right at a hundred head of these breeding cows cut into one pen and a Shorthorn enthusiast present aptly described them when he said, "Never before have I seen such a bouquet of Shorthorns." The great sire Fair Acres Sultan could not have found a better home; he is by White Hall Sultan and out of Snow Bird, junior champion at the American Royal, a full sister of Snowflake, the sire of Ringmaster, three times International grand champion. He is also the sire of the undefeated young herd of 1914 and is the sire of more Iowa State Fair prize winners, 1915, than any other bull. This great sire is also ably assisted by such sires as Avondale's Choice, by the great Avondale and out of a dam from the family that produced imported Choice Goods, world's champion, 1904, Watonga's Searchlight, Double Dale, by Avondale, Augustine, by Villager and Belle's Searchlight, by Searchlight, all having proved their worth as sires. If you want Shorthorns Pleasant Valley Stock Farm can supply you. When you call or write, please mention Farmers Mail and Breeze.—Advertisement.

## N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

J. G. Burt, Solomon, Kan., breeds Poland Chinas and has advertised his herd in the Farmers Mail and Breeze. He will hold a bred sow sale in Solomon, Kan., Monday, February 14, which is the day before the Agricultural college sells at Manhattan. Mr. Burt will sell about 40 head and they will be good ones. He is bringing them in from the farm to better accommodate his visitors on that date. The sale will be advertised in the Farmers Mail and Breeze. Those who intend going to the sale at the college can attend both sales very conveniently.—Advertisement.

## Choice Shorthorn Bulls.

C. W. Taylor, Abilene, Kan., is one of the well known breeders of Shorthorns in central Kansas. His herd of Scotch and Scotch topped Shorthorn cattle which is maintained on his big ranch near Pearl, Kan., is one of the really good herds in the West. Mr. Taylor lives in Abilene but goes to his farm every day. At present he has for sale eight bulls that will be 2 years old in the spring and about 15 spring bull calves. They are roans and reds and good rugged youngsters that are sure to suit you. Look up Mr. Taylor's advertisement in the Shorthorn section of the Farmers Mail and Breeze and write him for descriptions and prices.—Advertisement.

## Griffiths Gets Good Average.

Last Wednesday was King of Kansas and Long Jumbo Jr. boar and gilt sale day at J. L. Griffiths's farm near Riley, Kan. Of course they did not bring as much as they should but every pig intended for the sale sold and the average on the boars was \$28 while the average on the gilts fell below that figure somewhat. It was a grand, good offering, sired by the two great boars mentioned above and while the average was as good as the average boar sale has been this fall it was not near enough, considering the quality of the offering. John Griffiths's farmer friends did just what everybody said they would do, came out and made his sale a pretty good sale. Mr.



Griffiths is justly proud of his local support. The top was \$45, paid by S. B. Amcoats of Clay Center. Among other breeders from a distance were F. M. Gifford, Wakefield, Kan.; Hubert J. Griffith, Clay Center, Kan.; M. B. Caldwell, Broughton, Kan.; J. H. Spence, Green, Kan., and others. Mr. Griffiths will sell on January 26 50 bred sows, sired by and bred to the two great boars we have just mentioned. This will be without question one of the really great offerings of Poland China bred sows to be made this winter.—Advertisement.

#### Secret's Sultan for Sale.

Lively interest has been taken among Shorthorn breeders in S. B. Amcoats's offer to sell his well known herd bull Secret's Sultan 363833, got by Missie's Sultan. This bull is now 4 years old and was bred by Bellow Brothers, who used him quite extensively in their herd before they sold him to Mr. Amcoats. Mr. Amcoats is rearing 15 of his heifers for his own herd and thinks it best to sell him. He is a great sire and would prove of great value to any breeder needing such a bull. Mr. Amcoats also has for sale a lot of younger bulls ranging in ages from 10 to 14 months old. Write him and mention his advertisement in the Farmers Mail and Breeze when you do so.—Advertisement.

#### Fancy Duroc-Jersey Swine.

D. O. Bancroft of Osborne, Kan., is enjoying a nice line of business as a result of his advertising in Farmers Mail and Breeze. Since October 29 he has sold 11 head of Duroc-Jerseys, as follows: Six spring gilts to H. L. Garber, Portis, Kan.; one boar and one gilt to J. W. Gledhill, Portis, Kan.; one boar to H. J. Woodburg, Cawker City, Kan.; one boar to G. E. Thamer, Sylvan Grove, Kan.; and one weanling boar to William Graesch, Sylvan Grove, Kan. Mr. Bancroft raises a large number of Duroc-Jerseys each year. He tops each year's crop for breeding purposes, the others go to the feed lot. He keeps his herd up to the minute in the matter of breeding, using the best individuals of the most popular blood lines for his herd headers. His customers come back for more of the same kind. Write him if interested and he will gladly quote you prices on anything in the line of Duroc-Jerseys.—Advertisement.

#### Comp's Duroc-Jersey Sale.

J. A. Comp of White City, Kan., has been breeding purebred Duroc-Jersey hogs for 10 years. He has used great care and good judgment in selecting his brood sows and herd boars. The present herd boar is Major 130875, bred by J. R. Blackshire and sired by the Blackshire show boar, Valley Chief, out of a granddaughter of Lincoln Model, the sow that produced so much of the sensational show stuff exhibited by Mr. Blackshire. On Tuesday, November 16, Mr. Comp will make a draft sale including 11 boars, 14 gilts and two tried sows. This is the first sale and he feels that the offering will please any of our readers who will attend the sale. White City is located on the Rock Island and M. K. & T. railroads and only a little way from Herington where Mott & Seaborn sell Duroc-Jerseys November 17. Both these sales can be attended at practically the same expense. Arrange to attend this sale.—Advertisement.

#### Carlson's Polands Sell High.

Alfred Carlson's public sale of Spotted Poland Chinas at Cleburne, Kan., last Tuesday was attended by a representative lot of admirers of that popular breed. The sale was held in town and Mr. Carlson took very good care of his visitors, entertaining them at the hotel and providing them with nice comfortable quarters where the sale was held. Among the visitors from a distance who were buyers were R. J. Bazant, Narka, Kan.; James F. Dawkins, Irving, Kan.; Walter Reed, Salina, Kan.; J. W. Holm, White City, Kan.; Jack Shehl, Westmoreland, Kan.; F. J. Wolman, Haddam, Kan.; Davis & Edwards, Chapman, Kan.; Thomas Weddle, Wichita, Kan.; and A. J. Prockish, Wamego, Kan. A Mr. Lund of Cleburne was a good buyer but with this exception everything went to the breeders.

#### DUROC-JERSEYS.

**Hull's Duroc Jerseys**  
A few good spring boars and gilts, also extra good fall pigs, both sex. D. W. HULL, Americus, Kan.

**DUROCS BY THE POUND**  
If you want Durocs at fancy prices, buy elsewhere. But if you want good ones at 4 cents above market price write to me. Hogs of all ages for sale. Pigs at weaning time \$8. Everything immune.  
MIKE SEIWARD, EUDORA, KANSAS

**Immune Duroc Boars on Approval**  
30 big, strong, well finished, richly bred fellows for a short time now at from \$25 to \$35. Will ship on approval and send the best while they last. Also Red Poll bulls. J. C. Boyd, Virginia (Gage Co.), Nebraska.

**Royal Scion Farm Durocs**  
Choice fall and spring boars out of our best tried sows. One yearling boar, 17 in litter. Priced 6 C. Norman, Route 10, Winfield, Kan. to move.

**The Schwab Pure Bred Stock**  
50 Duroc-Jersey boars ready to send out on orders. 35 Duroc sows bred for fall litters. Plenty of open gilts, etc. 6 Red Poll bulls ready for service. Percheron stallions and mares. Geo. W. Schwab, Clay Center, Neb.

#### 16 Young Herd Boars

I have 16 very choice March Duroc-Jersey boars at reasonable prices. They are big and smooth. JOHN O. HUNT, Marysville, Kan.

**DUROC JERSEYS!**  
Johnson Workman, Russell, Kan.

**Jones Sells On Approval**  
12 picked Duroc-Jersey March boars. Shipped on approval. Weight 250 pounds, or better. Priced right.  
W. W. JONES, CLAY CENTER, KAN.

mentioned. The entire offering, 56 head, was sold and for a while it looked as if a good average was in store for Mr. Carlson's "Big Spotted Polands," but some young stuff and the fact that the farmers were busy and not present brought the average down to something below \$25. James T. McCulloch and Col. J. Zack Wells made the sale.—Advertisement.

#### Choice Stock for Sale.

Davis & Edwards, Chapman, Kan., are breeders of Spotted Poland Chinas and Angus cattle. Starting in this issue of the Farmers Mail and Breeze they are advertising for sale 10 top spring boars and a nice lot of gilts of the same age for sale at prices that are consistent. They have three 5 months old Angus bull calves that are for sale. This firm is in the Angus and Spotted Poland China business to stay and have bought nothing in starting their herds that was not first class in every particular. The foundation stock for their Spotted Poland China herd came from prominent eastern herds and represents the leading families of this popular breed. The boars they are offering are of the best of breeding and individual merit and will be sold worth the money as they have kept only a very few of the best ones for sale for breeding purposes. Write them at once for prices and descriptions.—Advertisement.

#### Hartman's Poland China Sale.

J. J. Hartman, Elmo, Kan., sold Poland China boars and gilts at his farm near Elmo last Thursday. Everything sold with the exception of a few of the younger boars. It was an offering of big, smooth Poland Chinas that had been well grown and presented in most excellent condition. Among the breeders present were W. A. Prewett, of Asherville, Kan.; A. R. Enos of Ramona, Kan.; Clem Bell of Abilene; William Singer of Abilene, and W. F. Walker of Newkirk, Okla., who was a good buyer. Every breeder or present had a good word for the most excellent offering that "Johnny" Hartman was presenting. The general average on almost 50 head was right at \$25. It was one of the very best offerings the writer has seen this season and deserved far better prices. The sale was conducted by W. C. Curphey and James Burton. Mr. Hartman is in the business to stay and with the kind of Poland Chinas he has raised this season he will soon be commanding the attention of breeders all over the country. He attracted attention this fall at the Dickinson county fair by loading his best Polands into wagons and hooking them onto his big tractor and bringing them to the show. He was the only exhibitor of hogs at the fair.—Advertisement.

#### Maplewood Stock Farm Sale.

Mott & Seaborn, owners of the Maplewood Stock Farm, will hold a big two days' sale at their farm near Herington, Kan., Wednesday and Thursday, November 17 and 18. On the first day they will sell 100 head of registered Duroc-Jersey hogs including 20 sows, 20 fall boars, 40 fall and spring gilts and 20 well grown, well bred fall and spring boars. The Holstein offering will consist of 56 head including 40 strictly high grade cows and heifers and four purebred bull calves from the Mott & Seaborn herd, with a consignment of 12 head of purebred cows and heifers from Dr. Schuyler Nichols's herd. Mott & Seaborn established this herd some years ago with an idea of maintaining a strictly high class dairy herd. Any of the cows which have failed to live up to the requirements of such a herd have been disposed of from time to time. Only the choicest individuals and best producers being retained. Just recently they have decided to keep only purebred cattle in the herd. This is the reason they are offering their grades in this sale. We urge all our readers who are interested in strictly high class Holsteins to attend this sale believing that they will find exactly what they want and cattle that will prove profitable to them. The large numbers of both hogs and cattle insure bargains. Remember the dates, Wednesday and Thursday, November 17 and 18.—Advertisement.

#### Clark's Galloway Cattle Sale.

On Thursday, November 18, G. E. Clark, the well known Galloway cattle breeder of Topeka, Kan., will make a draft sale of registered Galloways at his ranch, 3 miles north of Silver Lake, Kan., and about 15 miles northwest of Topeka. The offering will include 120 head as follows: 100 cows and heifers, 15 bulls and five yearling steers. All the offering, with the exception of the steers, is purebred and registered. The cows and heifers of breeding age will either have calves at foot or be bred to one of Mr. Clark's good herd bulls. These sires include Imported Novelty, Imported Emperor of Drumlanrig, Meadow Lawn Medallist and Onward of C. V. From a buyer's standpoint there has not been a better bred or more useful lot of cattle offered in this section in many years. None of these cattle are pampered but just in good thrifty breeding condition. They belong to the most popular families of the breed. Included in the pedigrees of these cattle are the names of such noted sires as Imported Campfollower 3d of Stepford, Imported Starlight of Tarbreoch, Imported Orion, Imported The Baile of Lockside, Imported Galloway King, Imported King Hensol, Meadow Lawn Medallist by Imported Worthy 3d and many other noted sires. For a number of years the Clark Galloways have been heavy winners at all the big western shows including the American Royal and the International. Most of the show cattle of recent years were sired by Meadow Lawn Medallist. The present offering are of the same breeding and the same high quality cattle as Mr. Clark has been showing. Any of our readers interested in the big, black beef cattle will find in the Clark offering the most profitable type of the breed. Arrange to attend this sale as the number to be sold will insure many rare bargains. The sale will commence at 10 o'clock.—Advertisement.

#### Nebraska

BY JESSE R. JOHNSON.

J. C. Boyd of Virginia, Neb., was never so well supplied with big, fine, richly bred spring boars as now. His Durocs are second to none in both breeding and individuality. The herd is among the strongest in the whole country and for uniformity, heavy bone and strong backs hard to equal anywhere. Just now Mr. Boyd offers 30 extra choice spring boars, all immune, at prices that are indeed low for such size and quality. Twenty-five dollars to \$35 is

**Registered Percheron Stallions** big frame, lots of bone. Fire 2200 pound coming 5 year olds, 13 coming 4's, 32 coming 3's, 17 coming 2's. Well fed and offered at growers' prices. Sound and from sound stock. Grandsons twice International Champion PINK and from BESIGUE mares. 20 young registered mares for sale. Just above Kansas City.  
FRED CHANDLER PERCHERON RANCH, R. 7, CHARITON, IOWA.



#### DUROC-JERSEYS.

**DUROC HOGS FOR SALE**  
The blood of champions. Entire herd; 2 herd boars, 10 herd sows, young boars, bred gilts, yearling gilts, 50 fall pigs, not related. BUCKEYE STOCK FARM, OLEAN, MO.

#### Crocker's Immune Duroc Boars

100 Duroc spring boars for sale. Guaranteed immune and shipped on approval. No money down before you get the hog. Prices \$35 to \$35 each.  
F. C. Crocker, Filley, Nebraska

#### Rice County Herd Durocs

FORTY fine fall, winter and spring boars. Sired by Good Shuff's Chief Col., G. M.'s Crimson Wonder, Col. Chief, Otey's Dream, Illustration II. From excellent dams. 30 days special price. Write today; describe your wants. G. M. SHEPHERD, Lyons, Ks.

#### Trumbo's Durocs

25 Duroc boars, big, stretchy fellows; fashionable blood lines, all immune, \$35 each. Sold on approval. Write today. Wesley W. Trumbo, Peabody, Kansas.

#### Wooddell's Durocs!

The best lot of spring boars and gilts we ever offered—Good Nuff Again King, Graduate Col., and other good blood lines. G. S. Wooddell, Winfield, Kan.

#### BONNIE VIEW STOCK FARM

Spring pigs for sale, sired by Tat-A-Walla, Kant's Model enough and A Critic; also two registered Holstein bulls, six months old.  
SEARLE & COTTE, BERRYTON, KANSAS

#### Immuned Durocs!

Plenty of spring boars and gilts. Best of breeding. Stock guaranteed.  
F. J. MOSER, GOFF, KANSAS

#### Maplewood Duroc-Jerseys

Everything immune. For sale: 15 tried sows to farrow in October. 25 fall gilts bred or open. Big boar and gilt sale Nov. 17. Holstein cattle sale day following. Write for further information.  
MOTT & SEABORN, HERINGTON, KAN.

## BALDWIN DUROCS

Young service boars \$15 each, sired by Bell the Boy, the first prize winner at Kansas State, Tennessee State, and Interstate Fairs in 1914. Gilts \$25, bred to Model Top Again, winner at Hutchinson and Topeka State Fairs this fall. Baby boars of fall farrow \$8, and baby gilts \$12, sired by Bell the Boy. A few gilts for sale to farrow late this fall. All stock immune. Call and see our hog and poultry farm. Rose Comb Reds, Cookerels \$2. Also some registered Shorthorn Baby Bulls.

R. W. BALDWIN, Conway, Kansas

#### POLAND CHINAS.

**Wiebe's Immune Polands**  
25 Boars, 30 Gilts. Ship on approval. Have sold in ten states. G. A. WIEBE, BEATRICE, NEB.

**Enos Mammoth Polands**  
3 fall boars; herd headers. 6 of my very best herd sows, bred for early farrow by Mastodon King. 70 spring pigs; best I ever raised, by Orphan Chief and Mastodon King. Size, quality and prices just right. Write today. A. R. ENOS, RAMONA, KANSAS

#### Sale of Prize Winners

NOV. 15, W. Z. BAKER, RICH HILL, MO.

#### Big Type Poland Chinas!!

Herd boar for sale, also some good spring pigs either sex. Prices very reasonable. Address: OTTO SCHEIDT, R. F. D. 1, Racine, Mo.

#### Spotted Polands

10 top Spring boars for sale. Choice gilts same age sold open. Angus Cattle. 3 bull calves five months old for sale.  
DAVIS & EDWARDS, CHAPMAN, KANSAS

#### Fairview Poland Chinas

For sale: Choice fall boars; fit to head herds. Also select early spring pigs, both sexes. All priced to sell. F. L. WARE & SON, Paola, Kansas

#### Big Type Poland China Boars

I am offering big, stretchy spring boar pigs at reasonable prices. Some of the best blood in Mo. Come and see them or write R. F. HOCKADAY, PECULIAR, MISSOURI

#### Original Big Spotted Polands

BIG BOAR AND GILT SALE NOV. 2. Top March and April boars and gilts reserved for this sale. Fall pigs, both sexes at private sale.  
ALFRED CARLSON, CLEBURNE, KAN.

#### Why Buy a Boar From Me?

Because I sell just the tops and my Polands combine size and quality. No Roly Polys. Neither the rough coated, hard fleshed, slow maturing sort. 25 to select from. Accurate description guaranteed.  
C. A. LEWIS, BEATRICE, NEBRASKA

#### BIG TYPE POLAND CHINAS

Big March and April boars priced to move; also a choice fall herd boar. Gilts bred to your order, to a great son of King of Wonders. Fall pigs. Write me.  
ANDREW KOSAR, DELPHOS, KANSAS

#### IMMUNE POLAND CHINAS

Some extra fine stretchy boars and gilts, just right for early breeding. Some bred sows and gilts. The best of big type breeding, cholera proof and at farmers prices. We guarantee in every way. ED. SHEEHY, HUME, MISSOURI

#### Faulkner's Original Spotted Polands

300 original spotted Poland China pigs ready for immediate delivery. Highview Stock Farm is the headquarters for the original spotted Poland Chinas and we sell more of this breed than any other firm in the world. We are not the originator but the preserver of the original spotted Polands. Write for particulars.  
H. L. FAULKNER, Box E, Jamesport, Mo.

#### HORSES.

**HOME-BRED PERCHERON, BELGIAN, SHIRE**  
Stallions and mares for sale at \$250 to \$600 each except two. Also Imported Stallions. Frank L. Stream, Creston, Iowa

**For Sale or Trade** for livestock, one young standard and registered stallion; sound and speedy. S. W. BLOOM, Florence, Kan.

#### DUROC-JERSEYS.

**Durocs, Tried Sows** Gilts, bred or open. 10 extra fine boars. A. C. HILL, HOPE, KANSAS.

**Duroc-Jersey Bargain Prices** 100 spring Wonder and Mo. Chinas breeding 30 gilts bred for fall farrow R. T. & W. J. GARRETT, Steele City, Nebraska

#### Hillcrest Farm Durocs

Tried sows and gilts to farrow in Oct. Choice gilts \$25. Boars ready for service, \$20. Sows with litters at side at bargain prices. Write for full particulars.  
DR. E. N. FAENHAM, HOPE, KAN. (Dickinson Co.)

#### BOARS OF SIZE AND QUALITY

70 big, stretchy spring boars and gilts of February and March farrow. Sired by the grand champion of three states, Long Wonder; Overland Defender, B. & C.'s Masterpiece, Superba's Climax. From big type dams of Superba, Defender, Tattarax, Col., and Golden Model blood lines. Also 6 head of fall pigs at \$10 each, pairs \$18, trios \$25. Send at once and get first choice. JOHN A. REED, LYONS, KANSAS.

#### BANCROFT'S DUROCS

Everything on the farm properly immunized. No public sales. For private sale: spring boars; also gilts open or bred to order for spring litters and September pigs, either sex, when weaned. Reasonable prices on first class stock.  
D. O. BANCROFT, Osborne, Kans. (Shipping Point Downs, Kans.)

#### POLAND CHINAS.

**Immune Boarson Approval**  
10 extra choice Poland China boars at \$25 each on approval. Write W. A. McIntosh, Courtland, Kan.

**Spring Boars by King Hadley** Large, big-boned, growthy, smooth kind. Must sell quickly. Write J. B. MYERS, GALVA, KANSAS

#### BLOUGH'S BIG POLANDS

I am offering a choice lot of big, growthy, heavy boned boars out of 700 and 800 pound sows of the best big type breeding. At most reasonable prices. Everything guaranteed cholera immune for life.  
JOHN M. BLOUGH, BUSHONG, KANSAS

#### BIG BONED POLAND CHINAS

100 early spring pigs by Jumbo Boy, Leon King, Orange Surprise, Ringold King, etc. Also a few bred sows and 2 good herd boars. Guarantee and pedigree accompanies each order. Manchester Bros., Leon, Iowa.

#### Original Big Spotted Polands

20 March boars—20 March gilts. Tops of 100 head. 15 fall gilts bred or open. The big litter kind. Address  
R. H. McCUNE, Longford, (Clay Co.) Kan.

#### Private Sale

75 big type Poland China boars and gilts of March farrow. Nothing but good ones offered. No public sales. Prices right. Address  
John Coleman, Denison, Ks. (Jackson County.)

#### Big Type Polands

Herd headed by the 1,020-pound Big Hadley Jr., grand champion at Hutchinson State Fair, 1915, was also first in class at Topeka and Oklahoma State Fairs. Our herd won more first prizes in the open classes at Oklahoma State Fair than any other Poland China herd. Young stock for sale.  
A. J. Erhart & Sons, Ness City, Kan.

#### Immune

#### POLAND CHINA BOARS

30 good big fellows by Long King's Best and A Wonder's Equal at \$30. You can't beat them at this money. Satisfaction guaranteed.  
H. C. Graner, Lancaster, Kans.



## LIVESTOCK AUCTIONEERS.

**FLOYD CONDRAY, Stockdale, Kansas**  
Livestock auctioneer. Write for open dates.

**R. L. Harriman, Bunceton, Mo.**  
Selling all kinds of pure bred livestock. Address as above.

**Spencer Young, Osborne, Kan.**  
Livestock Auctioneer. Write for dates.

**John D. Snyder** AUCTIONEER, successfully  
stock, real estate and general sales. HUTCHINSON, KAN.

**Rule Bros., H. T. & R. D., Ottawa, Kan.**  
Livestock sales a specialty. Write for dates.

**Jas. T. McCulloch, Clay Center, Kan.** References  
I am selling for every year. Write for open dates.

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At World's Original and Greatest School  
and become independent with no capital invested. Every branch  
of the business taught in five weeks. Write today for free catalog.  
JONES NATIONAL SCHOOL OF AUCTIONEERING,  
Carey M. Jones, Pres., 50 N. Sacramento Blvd., Chicago, Ill.

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Travel over the country and make big money. No other profession can be learned so quickly, that will pay as big wages.

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Largest in the World. W. B. Carpenter, Pres.  
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Kansas City, Mo.  
Sell your farms and city property at auction,  
as well as your pedigreed livestock. Write  
either for dates. Also instructors in  
**Missouri Auction School**

## HAMPSHIRE.

**Hampshire Hogs** The large prolific  
type; best of breeding. Special prices on young hogs. Breeding stock for sale.  
ROY N. RUNYON, DECATUR, INDIANA

**REGISTERED HAMPSHIRE HOGS** Bred gilts  
and sows, priced reasonable. C. I. Suck, Canton, Okla.

**REGISTERED HAMPSHIRE** 150 gilts and sows, all  
ages. Cholera immunized. Description guaranteed. C. E. LOWRY, Oxford, Kan.

**Shaw's Hampshires**  
120 registered Hampshires, all ages,  
nicely bred, best of breeding, all im-  
munized double treatment. Satisfaction  
guaranteed. Priced to sell.  
WALTER SHAW, R. 6, Wichita, Kan.

## O. I. C. HOGS.

**IMMUNED O. I. C's** April and July pigs. Special  
bargains in fall pigs at wean-  
ing time. A. G. COOK, LURAY, KANSAS

**Western Herd O. I. C. Hogs**  
A splendid herd for sale. Also spring hogs and gilts in  
pairs and trios not related. F. O. GOODIN, Russell, Kan.

**75 Chester White Spring Boars**  
Chief Select and White Rock breeding. No culls.  
\$25 each. Also few choice gilts. Inspection invited.  
AMOS TURNER, WILBER, NEBRASKA, (SALINE CO.)

**Smooth Heavy Boned O. I. C's**  
Pigs not akin from two months up. Boars  
not related to gilts and sows. Best of breed-  
ing at farmer's prices. Write today for cir-  
cular. F. J. GREINER, BILLINGS, MO.

**Alma Herd "Oh I See" Hogs**  
of Quality  
A trial will convince you; anything sold  
from eight weeks on up. All stock shipped  
C. O. D. on receipt of \$10. Write for price  
list. HENRY FEHNER, ALMA, MISSOURI

The Scullion O. I. C's  
**WHITE HOGS OF QUALITY**  
The largest pure bred herd of O. I. C's  
in the U.S. and with the greatest show  
record behind them. Carefully selected  
breeding stock, either sex, of the  
highest class, priced right and shipped to  
you on approval.  
L. W. & R. H. SCOTT, Nelson, Missouri

## BERKSHIRES.

**Hazlewood's Berkshires!**  
Yearling gilts, bred. Spring pigs priced for quick sale.  
W. O. HAZLEWOOD, WICHITA, KANSAS

**High - Class Berkshires**  
Winter and spring pigs of either sex and  
outstanding boars a specialty. Write  
J. T. BAYER, YATES CENTER, KANSAS

**25 March Gilts** Bred or open. 10  
year old sows, bred to order or open.  
R. J. LINSKOTT, HOLTON, KANSAS

**Berkshire Boars**  
Ready For Service  
Prices from \$25 to \$35. A few real fancy fellows at  
higher prices. Also fall pigs, both sexes.  
Sutton Farms, Lawrence, Kan.

## HOLSTEINS.

**BRAEBURN HOLSTEINS**  
20 years breeding, with better sires at every change.  
Write me for bull calves  
with this backing. H. B. Cowles, Topeka, Kan.

**Segrist & Stephenson, Holton, Kansas**  
Prize winning registered Holsteins. Bulls from three  
months to yearlings for sale. Address as above.

the price for a limited time and every pig  
will be shipped subject to approval. The  
best blood lines obtain in the herd and it is  
worth something to be sure the pig suits or  
can be returned.—Advertisement.

J. F. Foley, the Poland China breeder of  
Oronoke, Kan., has about a dozen nice  
summer boars that he will sell cheap.  
They were rather young for his October 30  
sale but are all right for service now.  
They are mostly by Panama Giant. All  
immune and will be priced low.—Adver-  
tisement.

## Hoppe's Big Poland Chinas.

W. V. Hoppe & Sons of Stella, Neb., an-  
nounce their annual bred sow sale for  
March 1. The Hoppe herd was established  
20 years ago and 25 public sales have been  
held. Few Nebraska breeders have gone  
out and bought more high priced breeding  
stock and few herds have so much noted  
big breeding. Many of the best Iowa herds  
have been drawn upon for breeding stock  
and the present herd boar, one of the  
longest and biggest boars in the entire  
West, came from Iowa. He weighs 1,000  
pounds in flesh and is a son of the great  
boar Mammoth King, by Long King. On  
dam's side he carries the blood of the noted  
Chantoss, Big Prospect, and Price families.  
His name is 1 Am King and he is one of  
the outstanding good boars of the breed.  
The sows in this herd have great scale,  
many of them weighing 700 pounds and a  
few as high as 800 pounds. Among them  
are daughters of A Wonder, Pawnee Nel-  
son, Chief Price Again 2d, Long Wonder  
and Blue Valley. Everything on the farm  
is immune. Application for catalog may  
be filed any time. Please mention this  
paper when writing.—Advertisement.

## Successful Breeder Claims Date.

Some time ago the writer spent a half  
day very pleasantly at the home of Carl  
Behrent of Oronoke, Norton county, Kan-  
sas. Mr. Behrent is one of the wide awake  
progressive young men of this section of  
Kansas and the success he is making in  
the purebred stock business should be an  
example for any young man in the West.  
Some years ago the foundation stock for  
a herd of registered Herefords was laid  
with stock from a good Missouri herd.  
This purchase of Lord Wilton breeding  
was followed by a Shadland bull, then a  
strongly bred Anxiety bull was placed at  
head of herd followed by the present bull,  
Principal 11th, one of the great bulls of  
the state. The herd now numbers about  
50 head. Mr. Behrent established a herd  
of registered Poland Chinas about the same  
time and now has one of the good herds  
of Kansas. His principal herd boar, Blue  
Valley Look, is a grandson of Tom Walker's  
noted boar, Blue Valley. He is a splendid  
breeder and his get are noted for lots of  
size and nice smooth coats. A new boar,  
a son of Long Wonder, has been bought  
to assist Blue Valley Look. Among the big  
sows in herd are many daughters of  
Blain's Last Hadley, the greatest son of  
old Big Hadley. Mr. Behrent has about  
a dozen nice spring boars for sale, sired by  
Blue Valley Look and Panama Giant. March  
4 is the date of his spring sale of bred  
sows, Hereford bulls and heifers. Ask any  
time for catalog.—Advertisement.

## S. E. Kan., S. Mo. and E. Okla.

BY C. H. HAY.

Those in the market for a Shorthorn bull  
calf will be interested in the ad of C. E.  
Hill, Toronto, Kan., who is offering a red  
and a roan. These calves are good indi-  
viduals and are extra well bred. See Mr.  
Hill's ad and write for prices.—Advertisement.

The L. W. Peters dispersion sale of French  
Draft horses was very well attended and  
good prices prevailed throughout. The top  
was \$500 on a black stallion. Colonel J. K.  
Harriman assisted by Colonel J. K. Har-  
mon conducted the sale in a very creditable man-  
ner. J. M. Nolan of Paola was a consistent  
bidder on the better class of stallions.—  
advertisement.

## Latham's Duroc Sale.

This is the final notice of the sale of good  
Durocs to be held at Ottawa, Kan., Novem-  
ber 20. This offering will consist of 15  
dandy spring boars, about 20 good spring  
gilts and a few tried sows. Those inter-  
ested in good Durocs should be at this sale.  
—Advertisement.

## Shorthorn Bulls and Heifers.

A. M. Markley & Son of Mount City,  
Kan., are offering a very select lot of  
Shorthorn bulls and heifers. They have  
at the head of their herd Dutchess Search-  
light 34829, a 2,500 pound son of the cham-  
pion Searchlight. Mr. Markley has shown  
this bull and a number of his get at some  
of the leading county fairs and they have  
been practically undefeated. Much credit  
in the development of the herd is due the  
junior member of the firm, who is one of  
the state's most enthusiastic young breeders.  
—Advertisement.

## Godman's February Sale.

J. M. Godman is back in line again this  
fall, attending the leading Poland China  
sales and buying up the top sows and gilts.  
Mr. Godman has topped or nearly topped  
practically all of the best sow sales of this  
section the past two years and today he is  
credited with owning about the best herd  
of sows in this section. February 4, he will  
make his first big sale and to say that the  
offering will be outstanding is a very mild  
way of putting it. A special train will con-  
vey the crowd from Fort Scott to Devoni-  
—Advertisement.

## Jones's Jerseys Win More Honors.

At the American Royal a very liberal  
share of the prizes in the dairy show fell  
to the good herd of Jerseys owned by J. E.  
Jones of Liberty, Mo. These awards were  
printed in a recent issue of Farmers Mail  
and Breeze. Since the class awards were  
made Mr. Jones has been awarded first  
prize in the seven day butter contest. This  
prize was won by a 2-year-old daughter of  
Financial Countess Lad. She was also sec-  
ond in her class in the show ring. Mr. Jones  
won third in the seven days butter contest  
with a 3-year-old cow. He also won first  
and fourth in class of cow with largest  
yearly butter record scoring highest number  
of points by the judge. Mr. Jones considers  
these later awards of really more impor-  
tance to the dairy than the awards of the

## HOLSTEIN CATTLE.

**Holsteins For Sale** high bred regis-  
tered bulls ready  
for service. N. S. AMSPACKER, JAMESTOWN, KANS.

**Sunflower Herd Registered Holsteins**  
50 in herd. Attractive prices on springers, bred cows and  
heifers. Bull calves. F. J. Searle, Oskaloosa, Kan.

**HOLSTEINS** A few choice registered young  
bulls for sale at prices that are  
right. Higginbotham Bros., Rossville, Kansas.

**BONNIE BRAE HOLSTEINS**  
I am offering this week two splendid granddaughters  
of DeKol 2nd Paul DeKol, two years old this fall;  
one just fresh; the other soon will be. One 3-year-old  
Ormsby heifer due Nov. 19, a fine one; one 3-year-old  
DeKol heifer due in Jan. One 5-year-old DeKol cow  
due in Jan. These cattle are all perfect; if you want  
registered females come and see them.  
IRA ROMIG, Station B, TOPEKA, KANSAS

**MAPLEWOOD HOLSTEINS**  
Herd headed by Canary Butter Boy King. You are  
invited to visit our herd of Holsteins. Write for gen-  
eral information, as to what we have for sale.  
Mott & Seaborn, Herington, Kansas



## 200—Holsteins—200

I am offering two hundred head of bred and unbred  
Holstein heifers for sale. They are bred up until practi-  
cally full bloods. They are from the very best milking  
strains of these famous dairy cattle. If you want HOL-  
STEINS see my herd before buying. I can supply you at  
the right price. Write for prices and descriptions. J. C. Robison, Towanda, Kansas

## Girod's Holstein Cattle

REGISTERED OR HIGH GRADE. 250 head to select from. One  
hundred cows and heifers safe in calf to bulls strong in the  
blood of the best milking strains. Registered bulls from calves to 24  
months old. Bring your dairy cattle expert. The better judge you  
are of Holsteins, the easier we can deal. They are priced to sell.

**Clyde Girod, Towanda, Kansas**



## HOLSTEIN HEIFERS

Springers, coming 2 and 3 years, single lot or  
car loads. Also a few registered and high grade  
bulls, ready for service. Wire, phone or write.

**O. E. TORREY, TOWANDA, KANSAS**

## Marshall Co. Pure Bred Stock Breeders

Nothing but first class animals offered for sale for breeding pur-  
poses. It is economy to visit herds located in one locality. For the  
best in purebred livestock write these breeders or visit their herds.

## HEREFORD CATTLE.

**Willowbrook Farm Herefords** Yearling and two-  
year-old heifers for sale. Also a choice lot of young  
bulls. B. M. WINTER, IRVING, KANSAS

**HEREFORDS—POLANDS** Herds established  
34th 397007 and Real Majestic 373625. Write your wants.  
J. F. SEDLACEK, BLUE RAPIDS, KANSAS

**Choice Young Bulls For Sale** Sired by  
Maple Lad 34th 397007 and Real Majestic 373625. Write your wants.  
J. F. SEDLACEK, BLUE RAPIDS, KANSAS

**PRESTON HEREFORDS**  
Herd established in 1881. Come to Marshall county for  
Herefords. Address F. W. PRESTON, Blue Rapids, Kansas

**Choice Two-Year-Old Bred Heifers**  
and a few bulls for sale. Also 10 spring bulls. Address,  
GEO. E. MILLER, Blue Rapids, Kansas

**Hereford Bulls** One 2-  
year-old herd bull; one 14-month-old bull, some spring  
bulls. B. E. and C. M. GIBSON, BLUE RAPIDS, KAN.

**Home of Parsifal 24th** 120 head.  
about a good herd bull. 25 spring bulls for this fall's  
trade. C. G. STEELE, BARNES, KANSAS

**Wallace Herefords** Inspection in-  
vited. Write for  
prices and de-  
scriptions. THOS. WALLACE, BARNES, KAN.

**Wm. Acker's Herefords!**  
About 25 spring bulls for this fall and winter  
trade. Address WM. ACKER, Vermillion, Kas.

**Clear Creek Herefords—**  
Choice last March bulls for fall and winter trade. 30  
breeding cows in herd. J. A. SHAUGHNESSY, Axtell, Kansas

**HEREFORDS** Big and rug-  
ged. Farm 2  
miles out. W. B. Hunt & Son, Blue Rapids, Kan.

## DAIRY CATTLE.

**Mills' Jerseys** One 16 month bull.  
Bull calves from Aquo-  
sa's Lost Time 194818. R. C. R. I. Red cockerels. The each.  
C. H. MILLS, WATERVILLE, KANSAS

**WILLOW SPRINGS JERSEY FARM**  
Golden Fern's Lad's Lost Time 25562 at head of herd. Off-  
ers a few young bull calves. Joseph Krasny, Waterville, Kan.

**JERSEY BULL** By a grandson of  
Golden Fern's Lad.  
out of a 500 pound cow. Price \$50. Duroc-Jersey spring  
pigs for sale. B. N. WELCH, Waterville, Kansas.

**HOLSTEINS** Cows and heifers for sale.  
Registered and grade. Address  
LACKLAND BROS., AXTELL, KANSAS

## HOLSTEIN CATTLE.

Some of the best Holstein breeding  
stock can be purchased at the

**TREDICO FARM, KINGMAN, KAN.**  
PRODUCTION, BREEDING, Tuberculin Tested Herd

**Holstein Cattle**  
Herd headed by a grandson of Pontiac Korndyke.  
Average record of dam and sire's dam, butter 7 days,  
29.4 pounds, 30 days 117.3 pounds. Bull calves for  
sale from extra good producing dams.  
T. M. EWING, INDEPENDENCE, KANSAS

**Albechar Holstein Farm**  
offers some richly bred young bulls sired by a 32-  
pound bull and whose dams' sire is a 30.26-pound  
bull, a 3/4 brother to the sire of the world's cham-  
pion cow, Flanderine Helling Fayne.  
Shulthis, Robinson & Shultz INDEPENDENCE  
KANSAS

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bull, a 3/4 brother to the sire



## Jacks and Jennets



14 large, good boned black Jacks coming 3 to 7 years old. If you want a good Jack at the right price or a few good Jennets we can deal. Write or call on

**Philip Walker**  
Moline, Elk County, Kansas

### ABERDEEN-ANGUS.

**Aberdeen Angus Cattle**  
Herdheaded by Louis of Viewpoint 4th. 150624, half brother to the Champion cow of America.  
**Johnson Workman, Russell, Kan.**

## ANGUS BULLS

Five from eight months to one year old. Females for sale, bred or open. Farm joins town. Correspondence and inspection invited.  
**W. C. Denton, Denton, Kans.**

## ABERDEEN-ANGUS CATTLE

Young stock sired by reliable herd bulls for sale, singly or in car lots. See our herd of cows and show herd at Lawrence or write us. Phone, Bell 8454.  
**Sutton & Porteous, Route 6, Lawrence, Kan.**

### RED POLLED CATTLE.

**FOSTER'S RED POLLED CATTLE** Write for prices on breeding cattle.  
**C. E. FOSTER, R. R. 4, Eldorado, Kansas.**

**Pleasant View Stock Farm**  
Red Polled cattle. Choice young bulls and heifers. Prices reasonable. **HALLORIN & GAMBRILL, Ottawa, Kansas**

### RED POLLED CATTLE

**BEST OF BLOOD LINES** and cattle that will please you. Cows heifers and young bulls, at attractive prices.  
**I. W. FOULTON, MEDORA, KAN.**

## Riley County Breeding Farm

### 75 Red Polls, 45 Percherons

A choice lot of young bulls for sale. 12 of them by a son of Cremona, the 18 times champion. Visitors welcome. Farm near town. Address  
**Ed Nickelson, Owner, Leonardville, Kansas**

### HEREFORDS.

Registered horned and double standard polled  
**Hereford Bulls For Sale**  
Also a few horned heifers. **JOHN M. LEWIS, LARNED, KAN.**

## Blue Valley Breeding Farm

**HEREFORDS POLAND CHINAS BARRED ROCKS**  
25 bulls, 6 to 20 months, at \$75 to \$100, laid down at your station in Kansas. 50 cows and heifers for sale. Address  
**Fred R. Cottrell, Irving, Kansas**  
(Marshall County.)

### JERSEY CATTLE.

**Jersey Cattle** Bulls and boars for sale.  
**Chester White Hogs** **Dornwood Farm**  
Topeka, Kansas

**QUIVERA JERSEYS** Males and females for sale at all times. One bull ready for immediate service. Our cows are paying at the pail. **E. G. Munsell, Herington, Kansas**

## LINSCOTT JERSEYS

First Register of Merit herd in Kansas. Est. 1878. Oaklands Sultan, 1st. Register of Merit sire in Kansas, is dead. Last chance to get one of his daughters, \$100. **R. J. LINSCOTT, HOLTON, KAN.**



## The Book of Dairy Books

It's the book, because it's the authority on the breed—the beautiful, ever-paying Jersey.

This book, "About Jersey Cattle," goes way back to the beginning of the breed, shows how it was line bred and protected from mixture by law, and shows why it has developed into the most economic and most persistent milking of all breeds. It gives tests, yields, etc., proving that the Jersey is the money cow—the "Giant of the Dairy."

The book is free out worth a lot. Send a postal for your copy today.

**The American Jersey Cattle Club**  
355 West 23rd Street, New York City

show ring since production is of more importance to the dairy farmer than show yard ability. When a dairy herd combines both ability in the show ring and at the pail the ideal of the dairy breeder is being realized.—Advertisement.

### Durocs by the Pound.

Mike Seiwald of Eudora, Kan., believes in giving his customers their money's worth and is therefore selling his Durocs by the pound. This is an excellent opportunity for our readers to buy a good boar or a few gilts. These pigs are sired by Graduate Col. Jr. 153595 or Seiwald's Col. 136513. Their dams are by such boars as Gold Colonel 138517, Seiwald's Colonel 136515, Gold Colonel 2d and others. These pigs have all been double treated and are without doubt immune. See Mr. Seiwald's ad in the Duroc columns of this paper and write him for any other information desired.—Advertisement.

### Publisher's News Notes

#### Rats and Mice Cause Millions in Farm Loss.

According to government statistics the damage done by rats and mice to agricultural products throughout the United States, amounts to millions of dollars yearly. This terrific loss is so vital that it demands the liveliest interest on the part of every American farmer. A new exterminator of the rat and mouse pest has just appeared on the market, called "Rid-of-Rats," which is claimed to be absolutely non-poisonous. A good feature of this preparation is the fact that it is perfectly harmless to man, bird or beast, but it destroys rats and mice unfailingly. Information that would be interesting to every farmer, together with full particulars regarding "Rid-of-Rats" and other Berg specialties will be gladly sent by writing to Berg & Bear Mfg. Co., Inc., 61 Fleet Pl., Brooklyn, N. Y.

### The Forester's Daughter

(Continued from Page 23.)

is coming over to look at some timber on Porcupine."

The young people cut willow rods and went angling at the outlet of the lake with prodigious success. The water rippled with trout, and in half an hour they had all they could use for supper and breakfast, and, behold, even as they were returning with their spoil they met a covey of grouse strolling leisurely down to the lake's edge. "Isn't it a wonderful place?" exclaimed the happy girl. "I wish we could stay a month."

"It's like being on the Swiss Family Robinson's island. I never was more content," he said fervently. "I wouldn't mind staying here all winter." "I would!" she laughed. "The snow falls four feet deep up here. It's likely there's snow on the divide this minute, and camping in the snow isn't so funny. Some people got snowed in over at Deep lake last year, and nearly all their horses starved before they could get them out. This is a fierce old place in winter time." As the sunset came on the young people again loitered down to the water's edge, and there, seated side by side on a rocky knoll, watched the phantom gold light from the willows and climb slowly to the cliffs above, while the water deepened in shadow and busy muskrats marked its glossy surface with long silvery lines. Mischievous camp birds peered at the couple from the branches of the pines, uttering satirical comment, while squirrels, frankly insolent, dropped cones upon their heads and barked in saucy glee.

Wayland forgot all the outside world, forgot that he was studying to be a forest ranger, and was alive only to the fact that in this most bewitching place, in this most entrancing hour, he had the companionship of a girl whose eyes sought his with every new phase of the silent and wonderful scene which shifted before their eyes like a noiseless yet prodigious drama.

TO BE CONTINUED.

### Why Feed Pigs by Hand

(Continued from Page 6.)

pigs were born and fed corn alone as a grain ration supplemented by butter-milk not only thrive but the pigs weighed 44 pounds each at 60 days old. And the sows had gained 40 pounds each during the suckling period. Can you beat that? Enter the contest now so you can secure a sow that will farrow early enough to enable you to dispose of the pigs on the fall market. Remember, boys, there are no strings tied to this proposition. Clip the entry coupon, sign your name, and mail it today. If you haven't the money to buy a purebred sow, Arthur Capper will lend it to you and it isn't even necessary to ask dad to sign the note. Line up for the contest and do it now. If you don't some other fellow will represent your county for it isn't going to be a difficult matter to secure entries. The age limit is 12 to 18. Every boy in Kansas is invited to send in his name for enrollment in this club. The cash prizes are \$25, \$20, \$15, \$10 and \$5. In addition Mr. Capper will duplicate every cash award won at your home county fair.

### POLED DURHAMS.

## Double Standard Polled DURHAMS

Six yearling bulls. A number of under yearling bulls. 2 good French draft stallions and some jacks. **C. M. HOWARD, Hammond, Ks.**

### GALLOWAY CATTLE.

## Bulls, Cows, Heifers

### CAPITAL VIEW GALLOWAYS

I want to sell 200 head and will make special prices for next twenty days. Breeding same as my show herd. **G. E. CLARK, 205 W. 21st St., TOPEKA, KANSAS.**

### SHORTHORN CATTLE.

## Shorthorns

20 bulls and heifers sired by Duchess Searchlight 348529, a 2500 pound bull, and from cows weighing 1400 to 1600 pounds. Good milkers. Come or write. **A. M. Markley, Mound City, Kansas**

## Scotch and Scotch Topped Bulls

from 10 to 14 months. Also

**Secret's Sultan 363838**

for sale. Correspondence and inspection invited.  
**S. B. Amcoats, Clay Center, Ks.**

### SHORTHORN CATTLE

## Shorthorn Bulls For Sale!

Six heifers, two-year-olds. Reds and roans. **L. M. NOFFSINGER, OSBORNE, KANSAS**

## Pure Bred Dairy Shorthorns

Double Marys (Flatcreek Strain) and Rose of Sharon families. Registered Poland Chinas. Breeding stock for sale. Address **R. M. ANDERSON, Beloit, Kansas**

## SHORTHORNS

Two bulls, one red and one white. Priced to sell. **C. E. HILL, TORONTO, KAN.**

## Pearl Herd

### Shorthorns

Valiant 346162 and Marengo's Pearl 391962 in service on herd. Choice early spring bulls by Valiant for sale. Thrifty and good prospects. Scotch and Scotch topped. Correspondence and inspection invited.

**C. W. TAYLOR**

**ABILENE, KANSAS**

## LOOKABAUGH'S SHORTHORNS

**300 Head** Six or nine months time if desired **300 Head**

HERD HEADED by Fair Acres Sultan, by White Hall Sultan, dam Snow bird, junior and grand champion at the American Royal and full sister of Snowflake, the sire of Ringmaster, three times International grand champion. He is also the sire of the undefeated young herd of 1914, and sired more Iowa State fair, 1915 prize winners than any other sire. Assisted by Avondale's Choice, by Avondale, dam from the noted family that produced the champion Choice Goods; also assisted by Watonga Searchlight and other splendid breeding sires.

Buy a Young Herd Bull. Sired by one of our herd headers and out of one of our herd cows such as Lavender Bloom 2nd, Maxwellton's Jealousy, Lomon Bud, Love-ly, Vol. 68, Miss Lancaster, Butter Miss or Duchess of Gloster 14th.

## H. C. LOOKABAUGH, WATONGA, OKLAHOMA

Watonga is on the Rock Island 60 miles south of Enid and 60 miles northwest of Oklahoma City.

## Public Sale Registered Galloway Cattle



**Thursday, Nov. 18**

AT CLARK RANCH three miles north of SILVER LAKE, KAN., one and three-fourths miles southwest from Grove and about fifteen miles northwest from Topeka, Kan. Sale at 10 o'clock.

**120 100 Cows and Heifers 120**  
**15 Bulls**  
**5 Yearling Steers**

All but the steers are registered and a richly bred lot all through. COWS and HEIFERS. Some with calves at foot. One of the best bred and one of the most useful offerings from the buyer's standpoint sold in years. They are the smooth, well-conditioned kind, not pampered and belonging to the most popular families of the breed, tracing to such sires as Imported Campfollower 3d of Stepford, Imported Starlight of Tarbreoch, Imported Black Prince of Durhamhill, Imported Captain 4th of Tarbreoch, Imported Orion, Imported The Ballie of Lockside, Imported Galloway King, Imported King Hensol, Meadow Lawn Medallist by Imported Worthy 3d, and many other noted sires. All cows of serviceable age are bred to some one of my herd bulls, Imported Novellist, Imported Emperor of Drumlanrig, Meadow Lawn Medallist or Onward of C. V. The cattle will please and should be profitable as they have been to the owner.

## G. E. CLARK, Owner, Topeka, Ks.

AUCTIONEERS—CREWS & ANSEL.

## South Slope Stock Farm

### Registered Duroc-Jersey Hog Sale

### White City, Kan., Tuesday, Nov. 16

I am offering in this sale: 11 head of boars, 14 head of gilts, 2 tried sows, bred by sale date.

These boars and gilts are sired by Major 130875. I purchased this boar of J. R. Blackshire of Elmdale, Kan. His breeding is hard to beat, his grandsire being Valley Chief 51095, and granddam on sire side being Lincoln Model 225004, with equally good breeding on dam's side. They are good boned, growthy individuals. This is my first registered hog sale. I have been raising registered hogs for 10 years. Come and look this offering over. I know you will not be disappointed. Free transportation to and from farm, 1 1/2 miles south of town. My sale date is the day before Mott & Seaborn's sale at Herington, Kansas.

## J. A. Comp, White City, Kansas

White City is located on the Rock Island and M. K. & T. R. R. Auctioneer—Col. W. A. Fisher.



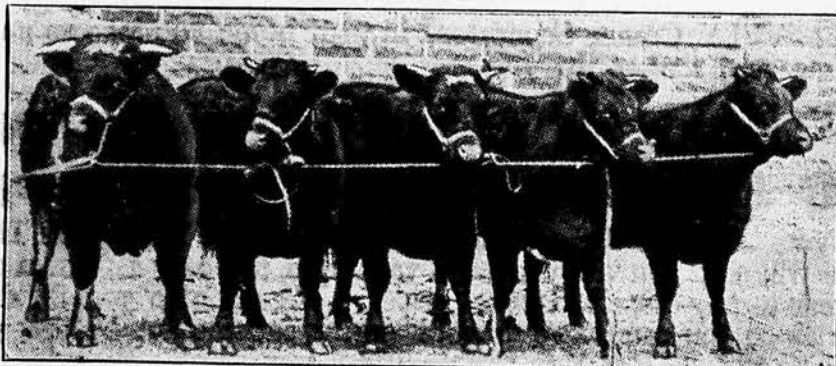
# Coming Shorthorn Dispersion Sale

180—Useful Reds, Whites and Roans—180

Winfield, Kansas, Tuesday, November 30, 1915

Under cover right in town commencing at 10 o'clock a. m., rain or shine.

80 Mature Cows  
15 Two-year-old Heifers  
20 Yearling Heifers  
25 Heifer Calves 8 to 14 Months Old  
40 Bulls 8 to 23 Mos. Old.



**75 Head**  
of these younger Shorthorns are Grandsons and Granddaughters of the Great Avondale with true Avondale type. Thick fleshed, easy feeding kind.

## Greatest Opportunity of the Season to Buy Shorthorns

We have sold our ranch and the cattle must go. You set the price. The 115 head of cows and heifers are safe in calf to Rosewood Dale, by Avondale and out of Imported Rosewood 92. Some are bred to Satin Royal, by Choice Archer, out of the splendid cow Minnie 37th. The older females of this herd are from our Wisconsin herd and by Forest Pride, a bull used for eight successive years on the get of such milking strain sires as Sylvian Champion, Debonair, Silver Crown and Pride of Crawford, all prize winning bulls wherever shown. Hence the females of this offering can be relied upon to produce milk as well as beef. A number are by nature hornless and eligible to register in both Polled Durham and Shorthorn Associations. These cattle not only have the most desirable blood lines but have been raised under modern ranch methods, are ready to respond to feed and care and make money for the buyer. If you want good Shorthorns you cannot afford to miss this great opportunity. Send your name today for catalog. Address

**LEVI ECKHARDT, Winfield, Kansas**

Auctioneers, Fred Reppert, John D. Snyder, Lafe Burger, O. F. Hurt, Fieldman, A. B. Hunter.

Note. 300 three and four year old heavy Panhandle feeding steers for sale privately.

## Duroc-Jersey Hog Sale

Wichita, Kan., Wed., Nov. 17

The Greatest Duroc Sale Ever Held At Wichita

**82—Head—82**

All Immune by Double Treatment

20 Tried Sows. Big, stretchy, high class herd sows.

30 handsome, growthy spring gilts.

20 choice summer gilts.

10 fancy spring boars ready for service.

2 herd boars, show prospects. The kind good breeders are looking for.

Mr. Howe is an old reliable, constructive breeder. In the days of the Wichita and southwestern fair, his Durocs always won the champion prizes and a majority of the other ribbons. He has always stood out for stretch and size, even in the days when everything was sacrificed for quality. His other hobby is color.

It is not necessary in this ad to go into detail further than to say if you want good Duroc breeding stock get in your automobile or on the cars and come to this sale; you will not be disappointed. For the last eight years I have attended every auction of registered hogs sold in Wichita and these Durocs are the best ever offered at a Wichita sale. Catalogs are now ready. Write Mr. Howe for yours today.

Yours truly,  
A. B. HUNTER,  
Fieldman for Capper Publications.

## Holstein Cows

Two registered cows now fresh. One registered heifer to calve in early spring. One purebred but non-registered two-year-old heifer fresh in spring. Also 6 head of horses. Parties from a distance stop at Pennsylvania Hotel; free conveyance to and from farm, near city. Address

**J. U. HOWE, ROUTE 8, WICHITA, KANSAS**

J. D. Snyder, Auctioneer.

A. B. Hunter, Fieldman.

## Big Two Days Sale

Maplewood Stock Farm four miles south of

Herington, Kans., Nov. 17-18

Wednesday, November 17

**100 Registered Duroc-Jerseys**

20 sows with splendid litters by their side by Geimon's Good Enuff by Good Enuff Again King, the 1913 grand champion.

20 fall gilts to farrow the last of November.

40 fall and spring gilts, sold open.

20 well grown and well bred fall and spring boars.

Thursday, November 18

**56 Holstein Cows and Heifers**

These cattle will be sold with a positive guarantee that they are just as represented. All were carefully selected for this herd



but our recent decision to breed registered cattle only in the future decided us to make this sale. For more than a year the herd has been headed by our herd bull, Canary Butter Boy King whose first six daughters made from 14 to 23 pounds and all entered the advanced registry class. Four purebred bull calves by this bull are included in the sale.

Dr. Schuyler Nichols consigns 12 purebred registered cows and heifers, all fresh or springers.

Free conveyance to and from the farm. Best of R. R. connections. Ask your agent to route you. Catalogs ready to mail upon application. For catalogs address,

**MOTT & SEABORN, Herington, Kan.**

Auctioneer—Jas. T. McCulloch. Fieldman—J. W. Johnson.  
(Mention the Farmers Mail and Breeze when you write for catalog.)



# Get Your Cream Separator **NOW**

## Get the Big Extra Winter Profits

Right now is harvest time for the dairyman. The late Fall and Winter months are the best time of all the year for making high-grade, high-priced dairy butter at a good profit. If you don't own a cream separator, or if you have an out-of-date machine that is hard to clean, hard to run, or a poor skimmer—you can't afford to overlook the remarkable offer we make you here. Think of it! For **ONLY \$2** we will place any of our big, light running, easy cleaning, perfect skimming **NEW BUTTERFLY** Cream Separators in your home and let you pay for it out of the extra cream profits it saves and makes for you.

### Our Easy Payment Plan Has Helped Over 50,000 Farmers Make More Money



It will do as much for you. We are the sole manufacturers of the **NEW BUTTERFLY** Separators. We will ship you any machine we make, for only \$2 down and give you a whole year to pay our low factory prices. We will give you 30 days free trial at our risk so you can prove to your entire satisfaction **before you pay** that the **NEW BUTTERFLY** is the separator you want. We will stand back of your machine with a Life-Time Guarantee against all defects in material and workmanship. Over 50,000 **NEW BUTTERFLY** Cream Separators have been sold on this liberal plan. Our factory is running night and day the year 'round to keep up with the demand from thousands of cow owners who are glad of an opportunity to obtain this high-grade, lifetime guaranteed separator direct from the factory on these easy terms. You can have one, too. Just fill out the coupon and we will send you the most liberal offer ever made by any factory to cream separator buyers. Send today.

**Only \$2 DOWN ONE YEAR TO PAY**

### For Any Size—Direct From Factory

Think of getting one of these splendid money-making, money-saving machines on a plan whereby it will earn its own cost and more **BEFORE YOU PAY**. You won't feel the cost at all. You can't afford to be without a separator any longer—especially when you can secure the **NEW BUTTERFLY** at such low factory prices.

**\$24 Buys the NEW BUTTERFLY**

No. 2 Junior—a light running, easy cleaning, close skimming, durable, life-time guaranteed separator. Skims 95 quarts per hour. We also make five other sizes up to our big 800 lb. capacity machine shown here—all sold at similar low prices and on our liberal terms of **only \$2 down and a year to pay**.

### 30 Days' Free Trial—Guaranteed a Life-time

#### Fill Out This Coupon—Mail Today

**ALBAUGH-DOVER CO.**

2260 Factory: Marshall Blvd., Chicago

Gentlemen:—

Without obligation on my part, please mail me **FREE** Catalog Folder of New Butterfly Cream Separators and your special "Easy Payment" offer.

I keep.....cows.

Name.....

Town.....

R. F. D. No.....State.....

You can have 30 days **FREE** trial and see for yourself how easily one of these splendid machines will earn its own cost and more before you pay. Try it alongside of any separator you wish. Keep it if pleased. If not you can return it at our expense and we will refund your \$2 deposit and pay the freight charges both ways. You won't be out one penny. You take no risk whatever. Postal brings Free Catalog Folder and direct from factory offer. Buy from the manufacturers and save money. Write today.

**ALBAUGH-DOVER CO.**

2260 Marshall Boulevard, Chicago



Patented One-Piece Aluminum Skimming Device, Rust-Proof and Easily Cleaned Low Down Tank, Oil Bathed Ball Bearings, Easy Turning, Sanitary Frame, Open Milk and Cream Spouts.

#### Read What These New Butterfly Owners Say

##### The New Butterfly Soon Pays for Itself

Albaugh-Dover Co., Chicago  
Sirs: The New Butterfly pays for itself in a little while. I hope any person seeing the advertisement and needing a machine will get one. I made \$2.16 on my cream this week where I only made \$1.20 before. I never could believe that a separator made that much difference, but I certainly do now. You couldn't get it back for twice the price. It is certainly a daisy.  
MENNO RUSH, Lewiston, Ohio

##### Eight Pounds More Butter Per Week from Five Cows

Albaugh-Dover Co., Chicago  
Gentlemen: I like your new Butterfly Cream Separator. We make 8 pounds more of butter per week from 5 cows than we did the old way. Am well pleased with its easy turning and close skimming. Yours truly,  
CORT ENGLEMAN, Corydon, Ind.

##### Much Easier to Clean Than Others on the Market

Albaugh-Dover Co., Chicago  
Gentlemen: We like the New Butterfly Separator very much, for it runs so nice and easy. My wife says the Butterfly Separator is so much easier to wash and keep clean than others on the market.  
ABRAHAM F. KURTZ, E. Akron, Ohio.

##### Would Not Trade It for Any Other

Albaugh-Dover Co., Chicago  
Dear Sirs: Your separator is the marvel of separators and should be given first place on every farm. We have never had any trouble with it and it does its work to perfection. We would not trade it for the highest priced machine on the market.  
R. E. CRAWFORD, Herrington, Kan.